TEST PIT SUMMARY

PROJECT	FORESTRY PIT	**TEST METHOD**	SONIC/EXCAVATOR/EXCAVATOR
DISTRICT	FRASER VALLEY	**DATE**	2012; 2012 Aug; 1997

TEST PIT NUMBER	SAMPLE NUMBER	DEPTH (m)		LAYER THICKNESS (m)	FIELD VISUAL IDENTIFICATION									LABORATORY RESULTS														
									OVERSIZE					PIT RUN				CRUSH			DURABILITY							
		From	To		SOIL CLASSIFICATION	FINES	SAND	GRAVEL	75-150mm (%)	150-300mm (%)	>300mm (%)	MAX SIZE (mm)	WATER TABLE (m)	SOIL CLASSIFICATION	FINES	SAND	GRAVEL	FINES	SAND	GRAVEL	SAND EQUIVALENT	MICRO DEVAL	DEGRADE	SULFATE CONTENT	CHLORIDE CONTENT	MgSO4 %coarse/ %fine	B.R.D. Coarse / fines	ABSORPTION %coarse /%fine
2012 Sonic Drilling																												
TH12-1		0	0.3	0.3	GP	2	48	50																				
		0.3	3.4	3.1	GPGM	10	42	48																				
		3.4	9.1	5.7	GM3	30	30	40																				
TH12-2	77	0.0	4.6	4.6										GPGM	9	30	61											
		4.6	5.5	0.9	GP	3	45	52																				
		5.5	10.1	4.6	GPGM	10	42	48													44							
	78	10.1	12.2	2.1										GPGM	7	25	68											
	79	12.2	14.0	1.8										SPSM	8	51	41											
		14.0	15.2	1.2	GP	1	43	56																				
	443	15.2	21.9	6.7										SPSM	7	59	34					13					2.71/2.75	0.7/2.9
	444	21.9	33.5	11.6										SM1	18	48	34											
2012 Test Pitting																												
TP12-1		0.0	1.5	1.5	GPGM	6	40	54																				
	342	1.5	5.5	4.0					7	3	2	380		GP	5	29	66											
TP12-2		0.0	0.2	0.2	TS																							
		0.2	1.0	0.8	ML	50	25	25																				
	343	1.0	2.5	1.5					2	1	1	760		GPGM	10	33	57											
		2.5	7.0	4.5	GM3	30	30	40																				

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TP12-3		0.0	1.0	1.0	OB																							
	344	1.0	6.0	5.0	GM2	21	26	53	3	2	1	300		GM2	21	26	53											
	345	6.0	7.0	1.0	GPGM	10	39	51						GPGM	10	39	51				29	27						
TP12-4		0.0	1.6	1.6	GPGM	10	40	50																				
	346	1.6	7.0	5.4					3	2	1	380		GPGM	9	37	54										2.75/2.74	2.6/2.1
TP12-5		0.0	1.4	1.4	GPGM	6	42	52	2	1	1	300																
		1.4	2.4	1.0	GM2	24	36	40	2	1	1	250																
	347	2.4	7.0	4.6					3	2	1	600		GPGM	5	30	65											
TP12-6		0.0	0.4	0.4	GP	1	43	56	1			75																
	349	0.4	7.0	6.6					5	3	1	300		GP	1	32	67				84							
TP12-7	360	0.0	4.0	4.0					1			75		GP	2	45	53									3.0/6.0		
		4.0	7.0	3.0	SP	2	60	38	1			75																
TP12-8		0.0	0.5	0.5	GP	4	42	54	3	2	1	300																
	348	0.5	7.0	6.5					40	4	1	200		GP	2	33	65				46	14						
TP12-9		0.0	1.8	1.8	GP	1	29	70	40	3	1	300																
TP12-10		0.0	1.0	1.0	GP	4	42	54	3	1	1	400																
		1.0	5.5	4.5	ML	50	30	20	1			75									88							
	393	5.5	7.0	1.5					1	1		125		GP	10	51	39										2.68/2.74	1.8/3.1

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									OVERSIZE					PIT RUN				CRUSH			DURABILITY							
		From	To		SOIL CLASSIFICATION	FINES	SAND	GRAVEL	75-150mm (%)	150-300mm (%)	>300mm (%)	MAX SIZE (mm)	WATER TABLE (m)	SOIL CLASSIFICATION	FINES	SAND	GRAVEL	FINES	SAND	GRAVEL	SAND EQUIVALENT	MICRO DEVAL	DEGRADE	SULFATE CONTENT	CHLORIDE CONTENT	MgSO4 %coarse/ %fine	B.R.D. Coarse / fines	ABSORPTION %coarse /%fine
TP12-11		0.0	0.3	0.3	CR																							
	392	0.3	7.0	6.7					3	2	1	450		GPGM	10	23	67											
TP12-12		0.0	0.3	0.3	CR																							
		0.3	6.0	5.7	GP	2	22	76	30	5	1	450																
		6.0	7.0	1.0	SP	2	54	44	2			150																
TP12-13		0.0	1.0	1.0	GP	2	46	52	2			150																
	395	1.0	5.0	4.0					10			100		GP	1	34	65				75	16						
		5.0	7.0	2.0	SP		60	40	2			100																
TP12-14	359	0.0	0.5	0.5					2					GPGM	7	39	54				45	16						
	357	0.5	7.0	6.5										SP	3	82	15											
TP12-15		0.0	0.2	0.2	TS																							
		0.2	1.2	1.0	GPGM	6	40	54																				
	356	1.2	4.0	2.8					10	1	1	300		GP	3	14	83										2.75/2.72	2.6/2.8
TP12-16		0.0	0.3	0.3	TS																							
		0.3	0.8	0.5	GPGM	6	40	54	1	1		200																
	358	0.8	5.5	4.7					3	1	1	350		GP	2	38	60				80	21						
1997 Test Pitting																												
TP97-1		0.0	4.0	4.0	GPGM	10	35	55																				

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									OVERSIZE					PIT RUN				CRUSH			DURABILITY							
		From	To		SOIL CLASSIFICATION	FINES	SAND	GRAVEL	75-150mm (%)	150-300mm (%)	>300mm (%)	MAX SIZE (mm)	WATER TABLE (m)	SOIL CLASSIFICATION	FINES	SAND	GRAVEL	FINES	SAND	GRAVEL	SAND EQUIVALENT	MICRO DEVAL	DEGRADE	SULFATE CONTENT	CHLORIDE CONTENT	MgSO4 %coarse/ %fine	B.R.D. Coarse / fines	ABSORPTION %coarse /%fine
TP97-2		0.0	3.5	3.5	GPGM	6	40	54																				
TP97-3		0.0	3.0	3.0	N/A																							
TP97-4		NA																										
TP97-5		0.0	0.4	0.4	CR																							
		0.4	3.0	2.6	N/A																							
TP97-6		0.0	0.5	0.5	ML	50	30	20													29		8					
		0.5	1.3	0.8	O/S	10	10	80																				
		1.3	2.0	0.7	N/A																							
		2.0	5.5	3.5										GP	4	40	56											
TP97-7		0.0	5.0	5.0										GP	4	13	83											
TP97-8		0.0	0.7	0.7	CR																							
		0.7	5.5	4.8										GP	4	34	62									17.5/41.5		
TP97-9		0.0	2.0	2.0	SP	3	85	12																				
		2.0	5.5	3.5										GP	4	19	77				38		6					
TP97-10		0.0	1.2	1.2	SP	3	85	12																				
		1.2	5.5	4.3										GP	3	21	76				50		13					
TP97-11		0.0	0.5	0.5	GPGM	8	40	52																				
		0.5	1.0	0.5	N/A																							

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		1.0	2.3	1.3	GC2	25	25	50																				
		2.3	5.0	2.7	SP	2	80	18																				
TP97-12		0.0	5.5	5.5										SP	4	57	39											
TP97-13		0.0	2.5	2.5	O/B																							
		2.5	5.5	3.0	SP	2	70	28																				
TP97-14		0.0	0.3	0.3	GPGM	6	40	54																				
		0.3	2.0	1.7	GP	4	6	90																				
		2.0	4.5	2.5	GP	4	25	71																				
TP97-15		0.0	3.0	3.0	GM1	15	30	55																				
		3.0	5.5	2.5										SP	3	50	47				79		25					
TP97-16		0.0	3.0	3.0	SP	2	80	18																				
		3.0	5.5	2.5										GP	2	46	52				79		31					
TP97-17		0.0	0.6	0.6	GPGM	7	40	53																				
		0.6	5.5	4.9										GP	2	45	53				75		15					
TP97-18		0.0	3.5	3.5	OB																							
TP97-19		0.0	4.0	4.0	OB																							
TP97-20		0.0	3.0	3.0	CL	90	10																					
		3.0	4.5	1.5	SC4	40	60																					

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TP97-21		0.0	4.0	4.0										GP	3	33	64				31		26					
TP97-22		0.0	5.0	5.0	GP	3	33	64																				
TP97-23		0.0	0.3	0.3	GM1	15	30	55																				
		0.3	5.5	5.2										GPGM	5	39	56											
TP97-24		0.0	5.5	5.5										SP	3	95	2											
TP97-25		0.0	3.5	3.5	O/B																							
		3.5	5.5	2.0	GPGM	6	40	54																				
TP97-26		0.0	4.0	4.0	GM1	15	30	55																				
		4.0	5.5	1.5	GP	4	40	56																				
TP97-27		0.0	4.0	4.0	O/B																							
TP97-28		0.0	3.0	3.0	GPGM	7	30	63																				
TP97-29		0.0	3.30	3.3	CL	100																						
		3.3	5.50	2.2										GPGM	5	31	64				25		29					
TP97-30		0.0	5.00	5.0	O/B																							
TP97-31		0.0	4.00	4.0	GM3	30	20	50					3.5															
		4.0	5.50	1.5	CL	70	10	20																				

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TP97-32		0.0	0.50	0.5	GM1	15	30	55																				
		0.5	1.80	1.3	SPSM	7	73	20																				
		1.8	5.50	3.7										GP	4	38	58											
TP97-33		0.0	4.50	4.5	GM2	25	25	50																				
		4.5	5.30	0.8	CL	45	15	25					4.5															
TP97-34		0.0	5.50	5.5										GP	4	47	49				26		22					
TP97-35		0.0	5.50	5.5	GM2	25	35	40																				
TP97-36		0.0	3.50	3.5	O/B																							
TP97-37		0.0	2.50	2.5	GM1	15	30	55																				
		2.5	5.50	3.0										GPGM	8	31	61				63		9					
TP97-38		0.0	4.00	4.0	GM1	15	30	55																				
		4.0	5.50	1.5										GPGM	6	23	71				44		10					
TP97-39		0.0	0.70	0.7	GM1	15	30	55																				
		0.7	5.50	4.8										GP	4	24	72				31		6					
TP97-40		0.0	1.5	1.5	SM2	25	60	15																				
		1.5	4.5	3.0										GP	3	29	68				48		6					
TP97-41		0.0	5.0	5.0	ML/CL	60	30	10					3.5															

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		5.0	5.5	0.5										GP	3	35	62											
TP97-42		0.0	4.0	4.0										GP	3	26	71									22.1/48.8		
TP97-43		0.0	1.3	1.3	GP	2	35	63																				
		1.3	2.0	0.7	SP	2	90	8																				
		2.0	5.5	3.5										GP	2	41	57				76		23					
TP97-44		0.0	5.0	5.0										GP	2	25	73				67		4					