Province of British Columbia, Ministry of Transportation, GEOTECHNICAL AND MATERIALS ENGINEERING

AGGREGATE TEST HOLE SUMMARY SHEET

PIT: OTHELLO **DISTRICT: FRASER VALLEY** **FILE No: 1722 / 0235**

Testpit Number	Overburden Depth	Soil Bound. (mm)	Soil Classification	Gradation of Materials								Soundness Indicator				Material at Bottom of Hole	Watertable (m)	Remarks
				75/150 (mm)	150/225 (mm)	+ 225 (mm)	Maximum Size (mm)	Gravel	Sand	Fines	Fracture (%)	Degrad.	Sand Equivalent	MgSO4				
														CA	FA			
90-1	1.6	0.0/1.6	SM2					10	65	25								FVI
	5.3	1.6/5.3	SM1						85	15								FVI
		5.3/5.5	GP					52	45	3						GP		FVI
90-2	1.5	0.0/1.5	O/B															pit overburden
		1.5/5.5	SPSM					4	90	6						SPSM		FVI
90-3		0.0/5.2	GP	8	4	3	500	62	36	2		56	86			GP		WSA
90-4		0.0/5.5	GP	8	4	3	625	67	30	3						GP		WSA
90-5		0.0/4.7	GM1	15	7	4	750	66	22	12						GM1		FVI
90-6		0.0/5.0	GPGM	13	6	3	750	70	22	8						GPGM		FVI
90-7		0.0/5.5	GPGM	10	50	3	500	57	28	15						GPGM		WSA
90-8		0.0/5.5	GPGM	10	5	3	375	58	33	9		26	67			GP?		WSA
90-9		0.0/5.5	GP	6	3	2	375	59	37	4		58	67			GP		WSA
90-10		0.0/5.5	GP	5	3	2	450	66	33	1				5.39	12.7	GP		WSA

FVI= Field Visual Identification *WSA= Washed Sieve Analysis*

Province of British Columbia, Ministry of Transportation, GEOTECHNICAL AND MATERIALS ENGINEERING

AGGREGATE TEST HOLE SUMMARY SHEET

PIT: OTHELLO **DISTRICT: FRASER VALLEY** **FILE No: 1722 / 0235**

Testpit Number	Overburden Depth	Soil Bound. (mm)	Soil Classification	Gradation of Materials								Soundness Indicator				Material at Bottom of Hole	Watertable (m)	Remarks
				75/150 (mm)	150/225 (mm)	+ 225 (mm)	Maximum Size (mm)	Gravel	Sand	Fines	Fracture (%)	Degrad.	Sand Equivalent	MgSO4				
														CA	FA			
90-11		0.0/1.0	GP					65	33	2								FVI
		1.0/5.5	SP	3	1	1	375	46	53	1		77	96			SP		WSA
90-12		0.0/5.5	SP	5	3	2	500	46	56	1						SP		WSA
90-13		0.0/5.5	GP	5	3	2	750	53	45	2						GP		WSA
90-14	0.5	0.0/0.5	SM2					10	70	20								FVI
		0.5/5.5	SP	6	3	2	500	44	54	2						SP		WSA
90-15		0.0/5.0	SP	1	1	1	450	35	63	2						SP		FVI
90-16		0.0/1.0	SP					12	85	3								FVI
		1.0/5.5	GP	5	3	1	375	57	39	4						GP		WSA
90-17		0.0/1.2	SPSM					5	90	5								FVI
		1.2/1.7	SM1						85	15								FVI
		1.7/5.5	SP					7	90	3						SP		FVI
90-18		0.0/5.5	SP					1	98	1						SP		WSA
90-19		0.0/5.5	GP	7	5	3	750	61	38	1		76	94			GP		WSA

FVI= Field Visual Identification *WSA= Washed Sieve Analysis*

Province of British Columbia, Ministry of Transportation, GEOTECHNICAL AND MATERIALS ENGINEERING

AGGREGATE TEST HOLE SUMMARY SHEET

PIT: OTHELLO **DISTRICT: FRASER VALLEY** **FILE No: 1722 / 0235**

Testpit Number	Overburden Depth	Soil Bound. (mm)	Soil Classification	Gradation of Materials								Soundness Indicator				Material at Bottom of Hole	Watertable (m)	Remarks
				75/150 (mm)	150/225 (mm)	+ 225 (mm)	Maximum Size (mm)	Gravel	Sand	Fines	Fracture (%)	Degrad.	Sand Equivalent	MgSO4				
														CA	FA			
90-20		0.0/5.5	GPGM	8	5	1	375	72	22	6						GPGM		WSA
90-21		0.0/1.5	GP	6	3	1	300	63	35	2								FVI
		1.5/5.5	SP					13	85	2						SP		FVI
90-22		0.0/1.2	SP					13	85	2								FVI
		1.2/5.5	SP	6	3	1	300	45	53	2		69	96			SP		WSA
90-23		0.0/5.5	GPGM	5	3	1	375	48	42	10						GPGM		FVI
90-24		0.0/5.5	GPGM	5	3	2	375	48	42	10						GPGM		FVI
90-25		0.0/5.5	GP	5	3	1	300	60	39	1		69	95			GP		WSA
90-26		0.0/5.5	SP	4	2	1	375	49	50	1		61	97			SP		WSA
90-27		0.0/5.0	GP	10	8	4	625	71	28	1						GP		WSA
90-28	3.0	0.0/3.0	O/B															pit overburden

FVI= Field Visual Identification *WSA= Washed Sieve Analysis*

Province of British Columbia, Ministry of Transportation and Highways, GEOTECHNICAL AND MATERIALS ENGINEE

AGGREGATE TEST HOLE SUMMARY SHEET

PIT: OTHELLO **DISTRICT: FRASER VALLEY** **FILE No: 1722/0235**

Testpit Number	Overburden Depth	Soil Bound. (mm)	Soil Classification	Gradation of Materials								Soundness Indicator				Material at Bottom of Hole	Watertable (m)	Remarks
				75/150 (mm)	150/225 (mm)	+ 225 (mm)	Maximum Size (mm)	Gravel	Sand	Fines	Fracture (%)	Degrad.	Sand Equivalent	MgSO4				
														CA	FA			
97-1	1.0	0.0/1.0	GM2					50	25	25								FVI
		1.0/4.5	GM1	5	4	1	500	56	27	17	88	15	18			GM1		WSA
97-2	0.5	0.0/0.5	ML					10	40	50								FVI
		0.5/2.8	GPGM	5	4	1	600	68	27	5							2.8	WSA
		2.8/3.5	GM3					45	25	30						GM3		FVI
97-3	0.5	0.0/0.5	GM3					45	25	30								FVI
		0.5/?	BRX													BRX		Bedrock
97-4	0.5	0.0/0.5	GM3					45	25	30								FVI
		0.5/?	BRX													BRX		Bedrock
97-5		0.0/4.0	GP	10	4	1	500	70	26	4						GP		FVI
97-6	0.5	0.0/0.5	TS					10	30	60								FVI
		0.5/6.0	GP	5	4	1	600	64	33	3	81	22	69			GP		WSA
97-7	0.5	0.0/0.5	TS					10	30	60								FVI
		0.5/1.5	GP	5	4	1	375	64	33	3								FVI
		1.5/5.5	SP	3			150	42	56	2						SP		WSA

FVI= Field Visual Identification *WSA= Washed Sieve Analysis* *BRX = Bedrock*

Province of British Columbia, Ministry of Transportation and Highways, GEOTECHNICAL AND MATERIALS ENGINEE

AGGREGATE TEST HOLE SUMMARY SHEET

PIT: OTHELLO **DISTRICT: FRASER VALLEY** **FILE No: 1722/0235**

Testpit Number	Overburden Depth	Soil Bound. (mm)	Soil Classification	Gradation of Materials								Soundness Indicator				Material at Bottom of Hole	Watertable (m)	Remarks
				75/150 (mm)	150/225 (mm)	+ 225 (mm)	Maximum Size (mm)	Gravel	Sand	Fines	Fracture (%)	Degrad.	Sand Equivalent	MgSO4				
														CA	FA			
97-8	0.5	0.0/0.5	TS					10	30	60								FVI
		0.5/5.0	GP	10	5	2	500	71	28	1		53	78	3.7	13.0	GP		WSA
97-9	0.5	0.0/0.5	TS					10	30	60								FVI
		0.5/2.5	GP	5	4	1	375	63	35	2								FVI
		2.5/5.5	SP	3	2	1	250	34	64	2	82							WSA
97-10	0.5	0.0/0.5	TS					10	30	60								FVI
		0.5/4.0	GP	5	4	1	375	59	40	1		75	79				4.0	WSA
		4.0/?	BRX													BRX		Bedrock
97-11		0.0/0.3	CR															Crush
		0.3/5.5	OB															Overburden
		5.5/?	GP?													GP?		Suspect GP
97-12		0.0/0.5	GP					62	35	3								FVI
		0.5/3.7	OB															Overburden
		3.7/5.5	GP	6	3	1	375	48	48	4	70					GP		WSA
97-13		0.0/5.0	GP	5	3	1	450	63	35	2						GP		FVI

FVI= Field Visual Identification *WSA= Washed Sieve Analysis* *BRX = Bedrock*

Province of British Columbia, Ministry of Transportation and Highways, GEOTECHNICAL AND MATERIALS ENGINEE

AGGREGATE TEST HOLE SUMMARY SHEET

PIT: OTHELLO **DISTRICT: FRASER VALLEY** **FILE No: 1722/0235**

Testpit Number	Overburden Depth	Soil Bound. (mm)	Soil Classification	Gradation of Materials								Soundness Indicator				Material at Bottom of Hole	Watertable (m)	Remarks
				75/150 (mm)	150/225 (mm)	+ 225 (mm)	Maximum Size (mm)	Gravel	Sand	Fines	Fracture (%)	Degrad.	Sand Equivalent	MgSO4				
														CA	FA			
97-14		0.0/1.0	GPGM					60	35	5								FVI
		1.0/5.5	GP	5	3	1	375	56	43	1	77			3.9	11.3	GP		WSA
97-15	0.4	0.0/0.4	TS					10	30	60								FVI
	2.8	0.4/2.8	GC2					60	20	20								FVI
		2.8/5.5	GP	6	3	1	375	58	40	2						GP		WSA
97-16		0.0/5.5	GP	5	2	1	375	59	40	1	84	61	86			GP		WSA

FVI= Field Visual Identification *WSA= Washed Sieve Analysis* *BRX = Bedrock*

Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Othello **Contract Area:** 7 **Equipment Type:** Excavator

Testpit Number	Overburden	Soil Bound. (mm)	Soil Classification	Gradation of Materials									Soundness Indicator					Density	Absorption		Watertable (m)	Remarks
				75/150mm	150/225	+ 225mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4						
											A (%)	B (%)	C (%)	F (%)		C (%)	F (%)		C (%)	F (%)		
09-1		0.0/'1.0	CR					64	35	1												FVI, CRUSH
		1.0/5.7	GP	3	1	1	350	51	46	3												WSA
09-2		0.0/1.2	CR					64	35	1												FVI, CRUSH
		1.2/5.7	GP	5	2	1	375	68	30	2												WSA
09-3		0.0/0.3	CR					64	35	1												FVI, CRUSH
		0.3/5.7	GP	6	2	1	500	68	30	2												WSA
09-4		0.0/3.5	GP	2	1	1	300	54	45	1												FVI
		3.5/5.8	SP					1	98	1												WSA, M-C SP
09-5		0.0/3.0	GP	2	1	1	300	54	45	1												FVI
		3.0/3.3	SP					4	95	1												FVI
		3.3/5.8	SP	2	1		225	42	57	1												WSA

FVI= Field Visual Identification
BRX= Bedrock
WSA= Washed Sieve Analysis
LVI= Lab Visual Identification

Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Othello **Contract Area:** 7 **Equipment Type:** Excavator

Testpit Number	Overburden	Soil Bound. (mm)	Soil Classification	Gradation of Materials									Soundness Indicator					Density	Absorption		Watertable (m)	Remarks
				75/150mm	150/225	+ 225mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4						
											A (%)	B (%)	C (%)	F (%)		C (%)	F (%)		C (%)	F (%)		
09-6		0.0/1.8	GPGM	15	10	5	300	73	20	7												FVI
		1.8/5.7	SP	5	1	1	375	48	52	1												WSA
09-7		0.0/4.0	GP	2	1	1	300	59	40	1												FVI
		4.0/5.7	SP		1	1	350	26	70	4												WSA
09-8		0.0/1.5	GPGM	5	2	1	350	63	30	5												FVI
		1.5/5.7	GP	5	2	1	275	64	34	2												WSA
09-9		0.0/0.7	GP					64	35	1												FVI
		0.7/5.5	SP					18	81	2												WSA
		5.5/?	GP?							CONSIDERED TO BE GP												FVI
09-10		0.0/1.3	SPSM					5	85	10												FVI
		1.3/5.0	GP	7	3	2	500	66	33	1	61	52										WSA, F-M SP
09-11		0.0/5.0	SP	1	1	1	375	18	81	2												WSA
09-12		0.0/5.0	SP	1	1		225	32	67	2												WSA, M-C SP

FVI= Field Visual Identification
BRX= Bedrock
WSA= Washed Sieve Analysis
LVI= Lab Visual Identification

Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Othello **Contract Area:** 7 **Equipment Type:** Excavator

Testpit Number	Overburden	Soil Bound. (mm)	Soil Classification	Gradation of Materials									Soundness Indicator					Density	Absorption		Watertable (m)	Remarks
				75/150mm	150/225	+ 225mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4						
											A (%)	B (%)	C (%)	F (%)		C (%)	F (%)		C (%)	F (%)		
09-13	0.2	0.0/0.2	TS																			FVI, ORGANICS
	1.5	0.2/1.5	ML					5	20	75												FVI
		1.5/5.0	SM3					15	50	35												FVI
09-14	0.3	0.0/0.3	TS																			FVI, ORGANICS
	0.8	0.3/0.8	ML						25	75												FVI
		0.8/2.0	SP					24	75	1												FVI
		2.0/5.7	GP	4	1		225	59	39	2	56	44			77							WSA
09-15	0.3	0.0/0.3	TS																			FVI, ORGANICS
		0.3/5.7	GP	6	2	1	375	66	32	2			8.5	15.0								WSA
09-16	0.2	0.0/0.2	TS																			FVI, ORGANICS
	0.5	0.2/0.5	ML						25	75												FVI
		0.5/2.0	GP	4	1	1	300	64	35	1												FVI
		2.0/5.7	SP	1	1		125	31	67	2	52	31										WSA
09-17		0.0/0.5	GP																			FVI, ROAD
		0.5/1.0	ML						25	75												FVI
		1.0/5.7	GP	1	1		200	49	49	2	67	50				3.6	8.0		1.1	1.4		WSA, SG: C-2.583,F-2.577

FVI= Field Visual Identification
BRX= Bedrock
WSA= Washed Sieve Analysis
LVI= Lab Visual Identification

Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Othello **Contract Area:** 7 **Equipment Type:** Excavator

Testpit Number	Overburden	Soil Bound. (mm)	Soil Classification	Gradation of Materials									Soundness Indicator					Density	Absorption		Watertable (m)	Remarks
				75/150mm	150/225	+ 225mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4						
											A (%)	B (%)	C (%)	F (%)		C (%)	F (%)		C (%)	F (%)		
09-18	0.2	0.0/0.2	TS																			FVI, ORGANICS
	0.4	0.2/0.4	ML						25	75												FVI
		0.4/1.4	SP					9	90	1												FVI
		1.4/4.5	GP	3	2	1	375	57	42	1												WSA, KEPT CAVING IN
09-19		0.0/1.8	SP					31	65	4												FVI
		1.8/4.0	GP	3			150	59	40	1												FVI, NOT TP, SCRAPED BANK
09-20	0.1	0.0/0.1	TS																			FVI, ORGANICS
		0.1/5.8	SP	2	1		200	44	55	1	50	34										WSA
09-21	0.3	0.0/0.3	TS																			FVI, ORGANICS
		0.3/5.8	GP	3	2	1	375	53	46	1												WSA
09-22		0.0/1.4	GP	7	3	3	500	71	30	4												FVI
		1.4/5.8	GP	3	1	1	250	57	42	1	61	39				6.3	13	2.6	1	1.1		WSA
09-23		0.0/1.0	GP	10	5	2	500	71	30	4												FVI
		1.0/5.0	GP	3	2	1	250	57	42	1												WSA

FVI= Field Visual Identification
BRX= Bedrock
WSA= Washed Sieve Analysis
LVI= Lab Visual Identification

Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Othello **Contract Area:** 7 **Equipment Type:** Excavator

Testpit Number	Overburden	Soil Bound. (mm)	Soil Classification	Gradation of Materials									Soundness Indicator					Density	Absorption		Watertable (m)	Remarks
				75/150mm	150/225	+ 225mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4						
											A (%)	B (%)	C (%)	F (%)		C (%)	F (%)		C (%)	F (%)		
09-24	0.3	0.0/0.3	TS																			FVI, ORGANICS
	0.8	0.3/0.8	ML						25	75												FVI
		0.8/5.7	GP	5	3	2	450	58	39	3	83	63			79							WSA
09-25	0.3	0.0/0.3	TS																			FVI, ORGANICS
		0.3/0.9	ML						25	75												FVI
		0.9/5.5	GP	5	3	2	500	64	35	1												FVI
09-26	3.2	0.0/3.2	OB																			FVI, OLD PIT OVERBURDEN
		3.2/5.7	GPGM	3	2	1	250	51	39	10	70	61			36							WSA
09-27	0.3	0.0/0.3	TS																			FVI, ORGANICS
		0.3/5.3	GP	2	1		200	68	30	2												WSA
09-28		0.0/1.0	GPGM	5	5	5	750	60	30	10												FVI
		1.0/5.7	GP	4	2	1	300	48	48	4	85	62										WSA
09-29	1.3	0.0/1.3	ML					20	30	50												FVI, DITCH WASTE
		1.3/2.5	GPGM	3	2	1	375	60	35	5												FVI
		2.5/5.8	GP	4	2	1	375	49	47	4												WSA

FVI= Field Visual Identification
BRX= Bedrock
WSA= Washed Sieve Analysis
LVI= Lab Visual Identification

Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Othello **Contract Area:** 7 **Equipment Type:** Excavator

Testpit Number	Overburden	Soil Bound. (mm)	Soil Classification	Gradation of Materials									Soundness Indicator						Density	Absorption		Watertable (m)	Remarks
				75/150mm	150/225	+ 225mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4							
											A (%)	B (%)	C (%)	F (%)		C (%)	F (%)		C (%)	F (%)		
09-30		0.0/1.5	GPGM					53	40	7													FVI
		1.5/4.0	OVRS																				FVI, BURIED OVERS
		4.0/5.5	GP	3	2	1	300	64	35	1													FVI
09-31		0.0/1.0	SHRX																				FVI, 10" MINUS SHOT ROCK
		1.0/1.6	GPGM					60	35	5													FVI
		1.6/5.0	SP	2	1	1	250	49	50	1			9.7	8.8									WSA
		5.0/5.8	SP	1				34	65	1													FVI
09-32		0.0/0.9	CR																				FVI, 3/4 CRUSH
		0.9/1.1	ML					10	25	65													FVI
		1.1/1.4	CL					25	25	50													FVI
		1.4/5.7	GP	5	3	1	625	57	40	3													WSA
09-33	0.2	0.0/0.2	TS																				FVI, ORGANICS
	0.9	0.2/0.9	ML						25	75													FVI
		0.9/4.5	SPSM	5	3	1	375	43	45	12	88	66				13	14						WSA
		4.5/5.8	GP	5	3	1	375	64	35	1													FVI

FVI= Field Visual Identification
BRX= Bedrock
WSA= Washed Sieve Analysis
LVI= Lab Visual Identification

Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Othello **Contract Area:** 7 **Equipment Type:** Excavator

Testpit Number	Overburden	Soil Bound. (mm)	Soil Classification	Gradation of Materials									Soundness Indicator					Density	Absorption		Watertable (m)	Remarks
				75/150mm	150/225	+ 225mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture A (%)	Fracture B (%)	Micro C (%)	Duval F (%)	Sand Eq.	MgSO4 C (%)	MgSO4 F (%)		C (%)	F (%)		
09-34						NO TP, LOCATION ONLY, OVERS STOCKPILE																FVI
09-35	0.9	0.0/0.9	ML/ASH					10	20	70												FVI, OLD BURN PIT
		0.9/2.0	GPGM	5	3	3	625	60	35	5												FVI
		2.0/5.8	GP	5	2	1	300	57	42	1			8.8	12								WSA

FVI= Field Visual Identification
BRX= Bedrock
WSA= Washed Sieve Analysis
LVI= Lab Visual Identification

BRITISH COLUMBIA
The Best Place on Earth

Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Othello #0235 **Contract Area:** Fraser Valley - 7 **Equipment Type:** Excavator

Test Pit/Hole Number	Layer Thickness (m)	Layer Top Elevation (m)	Layer Bottom Elevation (m)	Soil Classification	Gradation of Materials							Soundness Indicator						Density		Absorption		Water Table Elevation (m)	Remarks	Bag #
					75/150 mm	150/225 mm	> 225 mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4							
												A (%)	B (%)	C (%)	F (%)		C (%)	F (%)	C (%)	F (%)	C (%)	F (%)			
13-1	0.2	249.5	249.3	TS																				FVI; ORGANICS	
	4.3	249.3	245.0	SM2	1	1		250	15	65	20													FVI; BURIED O/B; LOGS	
	0.2	245.0	244.8	GP?																				FVI	
13-2	0.2	249.2	249.0	TS																				FVI; ORGANICS	
	1.0	249.0	248.0	SM2	1	1		250	15	65	20													FVI	
	1.5	248.0	246.5	SM1	4	2		250	41	43	16													WSA; VERY COMPACTED	750
	0.5	246.5	246.0	SP						97	3													FVI	
	2.8	246.0	243.2	GP	6	4	1	450	73	23	4	79	64	9.2	15									WSA	760
		243.2	-	SP?																				FVI	
13-3	0.2	244.6	244.4	SM2	1			75	15	65	20													FVI	
	3.8	244.4	240.6	GP	6	4	2	700	71	27	2													WSA; FINES DOWNWARD	765
	2.0	240.6	238.6	GP	4	2	1	350	67	32	1													WSA	762

BRX= Bedrock
Layer Elevation = Possible Error

FVI= Field Visual Identification
WSA= Washed Sieve Analysis
LVI= Lab Visual Identification

Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Othello #0235 **Contract Area:** Fraser Valley - 7 **Equipment Type:** Excavator

Test Pit/Hole Number	Layer Thickness (m)	Layer Top Elevation (m)	Layer Bottom Elevation (m)	Soil Classification	Gradation of Materials							Soundness Indicator							Density		Absorption		Water Table Elevation (m)	Remarks	Bag #
					75/150 mm	150/225 mm	> 225 mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4								
												A (%)	B (%)	C (%)	F (%)		C (%)	F (%)	C (%)	F (%)	C (%)	F (%)			
13-4	0.2	243.3	243.1	TS																				FVI; ORGANICS	
	2.8	243.1	240.3	SM2	2	4	2	500	20	60	20													FVI; OVERBURDEN	
	2.5	240.3	237.8	GP	3	1		200	64	34	2													WSA	764
13-5	4.5	243.4	238.9	SPSM	1	1		200	10	80	10													FVI	
13-6	0.2	244.4	244.2	CR																				FVI	
	3.3	244.2	240.9	GP	3	2	1	400	59	40	1													WSA	766
	2.5	240.9	238.4	SP	1			150	10	89	1													FVI	
13-7	5.0	233.2	228.2	GP	5	3	1	400	61	38	1													WSA	767
	1.0	228.2	227.2	SP	1			150	14	84	2													FVI	
13-8	0.2	229.5	229.3	TS																				FVI; ORGANICS	
	5.3	229.3	224.0	GPGM	6	4	1	800	56	35	9													WSA	768
13-9	0.2	226.0	225.8	TS																				FVI; ORGANICS	
	0.5	225.8	225.3	SM1					14	70	16													FVI; OVERBURDEN	
	4.8	225.3	220.5	GP	6	4	1	400	65	34	1	77	75	7.4	11									WSA; LOOSE MATERIAL	720

BRX= Bedrock
Layer Elevation = Possible Error

FVI= Field Visual Identification
WSA= Washed Sieve Analysis
LVI= Lab Visual Identification

Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Othello #0235 **Contract Area:** Fraser Valley - 7 **Equipment Type:** Excavator

Test Pit/Hole Number	Layer Thickness (m)	Layer Top Elevation (m)	Layer Bottom Elevation (m)	Soil Classification	Gradation of Materials							Soundness Indicator						Density		Absorption		Water Table Elevation (m)	Remarks	Bag #
					75/150 mm	150/225 mm	> 225 mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4							
												A (%)	B (%)	C (%)	F (%)		C (%)	F (%)	C (%)	F (%)	C (%)	F (%)			
13-10	0.3	227.9	227.6	TS																				FVI; ORGANICS	
	5.7	227.6	221.9	GP	10	5	3	800	72	25	3	74	66	10	15									WSA	721
13-11	0.3	216.9	216.6	TS																				FVI; ORGANICS	
	1.2	216.6	215.4	SM1	1			150	20	66	14													FVI; BURIED O/B; DISTURBED	
	4.5	215.4	210.9	GP	8	4	3	800	67	30	3													WSA	722
13-12	1.5	240.8	239.3	GM1	5	3	1	400	50	38	12														
	4.5	239.3	234.8	GP	8	4	3	800	71	27	2	73	60	8.6	12	68									

BRX= Bedrock
Layer Elevation = Possible Error

FVI= Field Visual Identification
WSA= Washed Sieve Analysis
LVI= Lab Visual Identification

Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Othello #0235 **Contract Area:** Fraser Valley - 7 **Equipment Type:** Sonic

Test Pit/Hole Number	Layer Thickness (m)	Layer Top Elevation (m)	Layer Bottom Elevation (m)	Soil Classification	Gradation of Materials							Soundness Indicator							Density		Absorption		Water Table Elevation (m)	Remarks	Bag #
					75/150 mm	150/225 mm	> 225 mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4								
												A (%)	B (%)	C (%)	F (%)		C (%)	F (%)	C (%)	F (%)	C (%)	F (%)			
14-1	0.2	253.7	253.5	TS																				UTM: 618109E 5471091N FVI; ORGANICS	
	2.9	253.5	250.6	GPGM					54	40	6													WSA	728
	0.6	250.6	250.0	SP					15	83	2													FVI	
	2.4	250.5	248.1	GP					52	46	2													FVI	
	0.9	248.1	247.1	SM3					15	50	35													FVI	
	2.1	247.1	245.0	GPGM					48	43	9													WSA	719
	0.9	251.5	250.6	SM3					15	50	35													FVI	
	10.1	250.6	240.5	GP					58	39	3	77	75	6.4	8	65	2.5	5.7	2.7	2.6	0.8	2.0		WSA	769, 205
	3.0	240.5	237.5	GP					51	45	4													WSA	206
	1.5	252.5	251.0	SM1					30	58	12													FVI	
	0.6	251.0	250.4	SP					35	64	1													FVI	
	0.9	250.4	249.5	SM2					20	60	20													FVI	

BRX= Bedrock
Layer Elevation = Possible Error

FVI= Field Visual Identification
WSA= Washed Sieve Analysis
LVI= Lab Visual Identification

Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Othello #0235 **Contract Area:** Fraser Valley - 7 **Equipment Type:** Sonic

Test Pit/Hole Number	Layer Thickness (m)	Layer Top Elevation (m)	Layer Bottom Elevation (m)	Soil Classification	Gradation of Materials							Soundness Indicator						Density		Absorption		Water Table Elevation (m)	Remarks	Bag #
					75/150 mm	150/225 mm	> 225 mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4								
												A (%)	B (%)	C (%)	F (%)		C (%)	F (%)	C (%)	F (%)	C (%)	F (%)			
14-2	4.0	242.1	238.1	GPGM					50	42	8													UTM: 618078E 5470908N FVI	
	0.6	238.1	237.5	SM3					10	60	30													FVI	
	6.4	254.5	248.1	GPGM					57	39	4													WSA	207
	2.7	248.1	245.4	GP?																				FVI; LOST SAMPLE	
	0.6	245.4	244.7	GP					50	48	2													FVI	
	11.9	244.7	232.9	SP					45	52	3													WSA	208
	8.8	232.9	224.0	SP					41	55	4													WSA	209
	0.3	224.0	223.7	SP					0	98	2													FVI	
14-3	1.8	223.1	221.3	SPSM					36	53	11													UTM: 617732E 5470993N WSA	210
	0.3	221.3	221.0	SM3					15	50	35													FVI	
	5.8	221.0	215.2	SPSM					30	60	10													WSA	680
	9.1	215.2	206.1	GP					54	40	6	77	71	6.6	7.2									WSA	682
	3.0	206.1	203.0	GM1					62	26	12													WSA	683

BRX= Bedrock
Layer Elevation = Possible Error

FVI= Field Visual Identification
WSA= Washed Sieve Analysis
LVI= Lab Visual Identification

Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Othello #0235 **Contract Area:** Fraser Valley - 7 **Equipment Type:** Sonic

Test Pit/Hole Number	Layer Thickness (m)	Layer Top Elevation (m)	Layer Bottom Elevation (m)	Soil Classification	Gradation of Materials							Soundness Indicator						Density		Absorption		Water Table Elevation (m)	Remarks	Bag #
					75/150 mm	150/225 mm	> 225 mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4							
												A (%)	B (%)	C (%)	F (%)		C (%)	F (%)	C (%)	F (%)	C (%)	F (%)			
14-4	3.7	240.4	236.8	GPGM					61	29	10													UTM: 617842E 5470873N WSA	684
	1.2	236.8	235.5	SP					15	84	1													FVI	
	3.0	235.5	232.5	GPGM					59	35	6													WSA	685
	11.6	232.5	220.9	GPGM					58	36	6	71	63	6.6	8.3									WSA	689
	0.6	220.9	220.3	GPGM					54	38	8													FVI	

Note: 40 feet of steel casing broke off and could not be retrieved. The casing is lodged roughly between depths of 20' and 60' (roughly elevations of 222 m and 234 m).

BRX= Bedrock
Layer Elevation = Possible Error

FVI= Field Visual Identification
WSA= Washed Sieve Analysis
LVI= Lab Visual Identification