ANNEX D: ENVIRONMENTAL DATA

CFB Comox FFTA Source Control Project

PSPC

CFB Comox, Lazo, BC

Requisition No.: R.111173.004

BOREHOLE / MONITORING WELL LOGS

CFB Comox FFTA Source Control Project

PSPC

CFB Comox, Lazo, BC

Requisition No.: R.111173.004

KGS GROUP

SUMMARY LOG

HOLE NO. **TH15-01**

CLIENT DEPARTMENT OF NATIONAL DEFENCE

PROJECT Defence Construction Canada

SITE Firefighting Training Area, 19 Wing, CFB Comox, BC

LOCATION

DRILLING METHOD B-47 Rig with 200 mm ø Hollow Stem Auger

JOB NO. 14-1393-007
GROUND ELEV. 17.959 m
TOP OF CASING ELEV. 17.923 m
WATER ELEV. 17.094 m
DATE DRILLED 1/20/2015
UTMs (NAD83) N 5,509,637 E 362,430

ELEV. (m)	DEPTH (m)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	PIEZ. LOG/ BACKFILL	DEPTH (m)	SAMPLE TYPE NUMBER	FIELD HEADSPACE TEST Photoionizable Vapours (ppm) ●
17.88	0		**ORGANIC TOPSOIL**- Dark brown, damp, soft, low plasticity, organics.				
	0.5		**SILT** - Brown, damp, firm, non-plastic to low plasticity, some coarse grained sand to fine grained gravel, oxidation. - Becomes wet, soft below 0.15 m.			S1	
17.20 ▼			**SILT** - Brown, dry, hard, trace fine grained gravel, trace oxidation.	▼			
	1.0					S2	
	1.5		- Becomes grey, hydrocarbon odour below 1.52 m.		1.68	S3	7310
15.83	2.0		**SILT** - Grey, damp, firm, non-plastic to low plastictiy, hydrocarbon odour.		1.98		
	2.5					S4	3710
	3.0		- No hydrocarbon odour below 3.05 m.				
	3.5					S5	8.0
	4.0					S6	13.6
	4.5		- Becomes dry, trace clay below 4.57 m.				
	5.0				5.03	S7	5.3
	5.5					S8	2.8
11.86	6.0		**END OF HOLE AT 6.10 m**				
	6.5						
	7.0						
	7.5						
	8.0						
	8.5						
	9.0						
	9.5						

Notes:
1. Hollow stem auger refusal at 2.13 m, switched to solid stem auger.
2. Slough at 5.03 m to bottom, appears to be from top 1.52 m.
3. Installed flush mount monitoring well MW15-01.
4. Water elevation measured on January 22, 2015.

SAMPLE TYPE ☒ Split Spoon ⊠ Auger Grab

CONTRACTOR	INSPECTOR	APPROVED	DATE
Bluemax Drilling	A. OLEKSYN	RDS	3/23/15

ENVIRO (VAPOUR) U:\FMS\14-1393-007\19 WING COMOX.GPJ

Prepared by: K.E.M

KGS GROUP

SUMMARY LOG

HOLE NO. **TH15-02**

CLIENT	DEPARTMENT OF NATIONAL DEFENCE
PROJECT	Defence Construction Canada
SITE	Firefighting Training Area, 19 Wing, CFB Comox, BC
LOCATION	
DRILLING METHOD	B-47 Rig with 150 mm ø Solid Stem Auger

JOB NO.	14-1393-007
GROUND ELEV.	19.615 m
TOP OF CASING ELEV.	19.519 m
WATER ELEV.	18.784 m
DATE DRILLED	1/20/2015
UTMs (NAD83)	N 5,509,583 E 362,468

ELEV. (m)	DEPTH (m)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	PIEZ. LOG/ BACKFILL	DEPTH (m)	SAMPLE TYPE NUMBER	FIELD HEADSPACE TEST Photoionizable Vapours (ppm) ● 50 100 150 200
19.54	0		**TOPSOIL** - Brown, damp, soft, non-plastic to low plasticity, organics.			S1	0.3
	0.5		**SILT FILL** - Brown, damp, firm, non-plastic to low plasticity, some medium grained sand to coarse grained gravel, organics, trace oxidation.		0.76		
▼	1.0		- Organic staining at 0.76 m.	▼	0.91		
18.40			**SILT** - Grey, damp, firm, non-plastic to low plasticity, trace clay, hydrocarbon odour.			S2	99.5
	1.5					S3	20.3
17.79			**SILTY CLAY** - Tan, damp, stiff, intermediate plasticity, trace silt inclusions, trace oxidation, no odour.				
	2.0					S4	2.7
	2.5						
	3.0		- Trace medium grained sand below 3.05 m.				
15.96	3.5		**SILT** - Brown, damp, firm, non-plastic to low plasticity, trace clay, trace medium grained sand.		3.96	S5	2.6
	4.0						
	4.5		- Becomes grey below 4.27 m.			S6	1.0
14.74						S7	
	5.0		**END OF HOLE AT 4.88 m**				
	5.5		Notes: 1. No recovery due to water from 4.88 m to 6.10 m. 2. Installed flush mount monitoring well MW15-02. 3. Water elevation measured on January 22, 2015.				
	6.0						
	6.5						
	7.0						
	7.5						
	8.0						
	8.5						
	9.0						
	9.5						

SAMPLE TYPE Auger Grab

CONTRACTOR	INSPECTOR	APPROVED	DATE
Bluemax Drilling	A. OLEKSYN	RDS	3/23/15

ENVIRO (VAPOUR) U:\FMS\14-1393-007\19 WING COMOX.GPJ

Prepared By: KEM

KGS GROUP

SUMMARY LOG

HOLE NO.
TH15-03

SHEET 1 of 1

CLIENT	DEPARTMENT OF NATIONAL DEFENCE
PROJECT	Defence Construction Canada
SITE	Firefighting Training Area, 19 Wing, CFB Comox, BC
LOCATION	
DRILLING METHOD	B-47 Rig with 150 mm ø Solid Stem Auger

JOB NO.	14-1393-007
GROUND ELEV.	17.073 m
TOP OF CASING ELEV.	17.003 m
WATER ELEV.	17.003 m
DATE DRILLED	1/20/2015
UTMs (NAD83)	N 5,509,677 E 362,384

ELEV. (m)	DEPTH (m)	GRAPHICS	DESCRIPTION AND CLASSIFICATION
	0		**SILT** - Brown, saturated, soft, some medium grained sand, trace cobbles, trace oxidation.
	0.5		- Becomes dry, stiff, non-plastic to low plasticity, trace coarse grained gravel, trace cobbles below 0.30 m.
	1.0		
	1.5		- Becomes very stiff below 1.52 m.
	2.0		
	2.5		
14.33			
	3.0		**SILT** - Grey, dry, stiff, non-plastic to low plasticity, trace coarse grained gravel.
	3.5		- Becomes damp, firm, trace clay below 3.35 m.
	4.0		
	4.5		
	5.0		
	5.5		
10.98	6.0		**END OF HOLE AT 6.10 m**
	6.5		Notes: 1. Installed flush mount monitoring well MW15-03. 2. Water elevation measured on January 22, 2015.
	7.0		
	7.5		
	8.0		
	8.5		
	9.0		
	9.5		

PIEZ. LOG/ BACKFILL	DEPTH (m)	SAMPLE TYPE NUMBER	FIELD HEADSPACE TEST Photoionizable Vapours (ppm) ● (50 100 150 200)
		S1	0.5
	1.37	S2	0.7
	1.52	S3	0.4
		S4	0.1
		S5	0.3
		S6	0.1
	4.57	S7	0.4
		S8	0.3

SAMPLE TYPE ▣ Auger Grab

CONTRACTOR	INSPECTOR	APPROVED	DATE
Bluemax Drilling	A. OLEKSYN	RDS	3/23/15

ENVIRO (VAPOUR) U:\FMS\14-1393-007\19 WING COMOX.GPJ

Prepared By: K.E.M

KGS GROUP

SUMMARY LOG

HOLE NO.
TH15-04

CLIENT	DEPARTMENT OF NATIONAL DEFENCE
PROJECT	Defence Construction Canada
SITE	Firefighting Training Area, 19 Wing, CFB Comox, BC
LOCATION	
DRILLING METHOD	B-47 Rig with 200 mm ø Hollow Stem Auger

JOB NO.	14-1393-007
GROUND ELEV.	17.610 m
TOP OF CASING ELEV.	17.598 m
WATER ELEV.	12.577 m
DATE DRILLED	1/21/2015
UTMs (NAD83)	N 5,509,610 E 362,318

ELEV. (m)	DEPTH (m)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	PIEZ. LOG/ BACKFILL	DEPTH (m)	SAMPLE TYPE NUMBER	FIELD HEADSPACE TEST Photoionizable Vapours (ppm) ●
	0.5		**SILT** - Dark brown, damp, firm, non-plastic to low plasticity, organics. - Becomes brown, trace oxidation, trace clay below 0.30 m. - Becomes dry, stiff, trace clay below 2.29 m.			S1	7.0
	1.0					S2	0.8
	1.5						
	2.0					S3	16.8
15.02	2.5		**CLAY WITH SILT**- Brown, dry, stiff, low plasticity, trace cobbles.		2.74	S4	0.7
	3.0				3.05	S5	1.1
	3.5					S6	2.1
13.65	4.0		**SILT** - Grey, moist, hard, non-plastic to low plasticity, trace clay, trace fine grained sand.			S7	0.8
	4.5					S8	1.5
▼	5.0			▼			
	5.5					S9	0.9
11.51	6.0		**END OF HOLE AT 6.10 m**		6.10		
	6.5		Notes: 1. Installed flush mount monitoring well MW15-04. 2. Water elevation measured on January 22, 2015.				
	7.0						
	7.5						
	8.0						
	8.5						
	9.0						
	9.5						

SAMPLE TYPE ▯ Auger Grab

CONTRACTOR	INSPECTOR	APPROVED	DATE
Bluemax Drilling	A. OLEKSYN	RDS	3/23/15

ENVIRO (VAPOUR) U:\FMS\14-1393-007\19 WING COMOX.GPJ

Prepared By: K.EM

KGS GROUP

SUMMARY LOG

HOLE NO. **TH15-05**

CLIENT	DEPARTMENT OF NATIONAL DEFENCE	JOB NO.	14-1393-007
PROJECT	Defence Construction Canada	GROUND ELEV.	18.302 m
		TOP OF CASING ELEV.	18.240 m
SITE	Firefighting Training Area, 19 Wing, CFB Comox, BC	WATER ELEV.	17.804 m
LOCATION		DATE DRILLED	1/21/2015
DRILLING METHOD	B-47 Rig with 150 mm ø Solid Stem Auger	UTMs (NAD83)	N 5,509,510 E 362,313

ELEV. (m)	DEPTH (m)	DESCRIPTION AND CLASSIFICATION	PIEZ. LOG/ BACKFILL DEPTH (m)	SAMPLE TYPE	NUMBER	FIELD HEADSPACE TEST Photoionizable Vapours (ppm) ●
	0.0	SILT - Dark brown, damp, firm, non-plastic to low plasticity, trace fine grained gravel, trace organics.	0.46 0.61	Auger Grab	S1	0.5
17.54	0.76	SILT - Grey, damp, soft, non-plastic to low plasticity. - Becomes firm at 1.07 m.		Auger Grab	S2	0.4
16.78	1.52	SILT - Brown, dry, stiff, non-plastic to low plasticity, trace cobbles, trace oxidation.		Auger Grab	S3	0.6
				Auger Grab	S4	0.3
				Auger Grab	S5	0.8
14.95	3.35	SILT - Grey, dry, stiff, non-plastic to low plasticity, trace cobbles.		Auger Grab	S6	0.5
			5.18	Auger Grab	S7	0.5
				Auger Grab	S8	0.4
12.21	6.10	**END OF HOLE AT 6.10 m**				

Notes:
1. Installed flush mount monitoring well MW15-05.
2. Water elevation measured on January 22, 2015.
3. Slough from 5.18 m to 6.10 m.

SAMPLE TYPE: Auger Grab

CONTRACTOR	INSPECTOR	APPROVED	DATE
Bluemax Drilling	A. OLEKSYN	RDS	3/23/15

KGS GROUP

SUMMARY LOG

HOLE NO.
TH15-06

SHEET 1 of 1

CLIENT	DEPARTMENT OF NATIONAL DEFENCE
PROJECT	Defence Construction Canada
SITE	Firefighting Training Area, 19 Wing, CFB Comox, BC
LOCATION	
DRILLING METHOD	B-47 Rig with 150 mm ø Solid Stem Auger

JOB NO.	14-1393-007
GROUND ELEV.	18.915 m
TOP OF CASING ELEV.	18.798 m
WATER ELEV.	18.798 m
DATE DRILLED	1/21/2015
UTMs (NAD83)	N 5,509,490 E 362,400

ELEV. (m)	DEPTH (m)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	PIEZ. LOG/ BACKFILL	DEPTH (m)	SAMPLE TYPE NUMBER	FIELD HEADSPACE TEST Photoionizable Vapours (ppm) ● 50 100 150 200
	0		SILT - Dark brown, moist, soft, non-plastic to low plasticity, organics.		0.46	S1 0.5	
	0.5				0.61		
18.00			- Becomes brown, wet, some medium grained sand, trace organics at 0.61 m.			S2 0.5	
	1.0		SILT - Brown, damp, stiff, non-plastic to low plasticity, trace coarse grained gravel, trace cobbles.				
	1.5		- Becomes very stiff at 1.52 m.			S3 0.6	
						S4 0.7	
	2.0		- Becomes stiff at 1.83 m.				
	2.5					S5 0.5	
15.87	3.0		SILT - Grey, damp, stiff, non-plastic to low plasticity, trace cobbles.				
	3.5					S6 0.4	
	4.0					S7 0.3	
	4.5						
	5.0				5.18	S8 0.3	
	5.5						
12.82	6.0		END OF HOLE AT 6.10 m			S9 0.5	
	6.5		Notes: 1. Installed flush mount monitoring well MW15-06. 2. Water elevation measured on January 22, 2015. 3. Slough from 5.18 m to 6.10 m.				
	7.0						
	7.5						
	8.0						
	8.5						
	9.0						
	9.5						

SAMPLE TYPE Auger Grab

CONTRACTOR	INSPECTOR	APPROVED	DATE
Bluemax Drilling	A. OLEKSYN	RDS	3/23/15

ENVIRO (VAPOUR) U:\FMS\14-1393-007\19 WING COMOX.GPJ

Prepared By: KEM

KGS GROUP

SUMMARY LOG

HOLE NO.
TH15-07

SHEET 1 of 1

CLIENT	DEPARTMENT OF NATIONAL DEFENCE
PROJECT	Defence Construction Canada
SITE	Firefighting Training Area, 19 Wing, CFB Comox, BC
LOCATION	
DRILLING METHOD	B-47 Rig with 150 mm ø Solid Stem Auger

JOB NO.	14-1393-007
GROUND ELEV.	17.867 m
TOP OF CASING ELEV.	17.804 m
WATER ELEV.	16.736 m
DATE DRILLED	1/21/2015
UTMs (NAD83)	N 5,509,605 E 362,349

ELEV. (m)	DEPTH (m)	GRAPHICS	DESCRIPTION AND CLASSIFICATION
	0.0		**SILT** - Brown, saturated, soft, non-plastic to low plasticity, trace oxidation, trace medium grained sand, trace cobbles.
	0.5		- Becomes damp, firm below 0.46 m.
	1.0		
	1.5		
	2.0		
	2.5		
14.67	3.0		**SILT** - Grey, damp, firm, non-plastic to low plasticity, trace clay, trace coarse grained gravel.
	3.5		
	4.0		
	4.5		
	5.0		
	5.5		
11.77	6.0		**END OF HOLE AT 6.10 m**
	6.5		Notes: 1. Installed flush mount montoring well MW15-07. 2. Water elevation measured on January 22, 2015. 3. Slough from 4.57 m to 6.10 m.
	7.0		
	7.5		
	8.0		
	8.5		
	9.0		
	9.5		

PIEZ. LOG/ BACKFILL: 1.22 m, 1.52 m, 4.57 m

DEPTH (m)	SAMPLE TYPE NUMBER	FIELD HEADSPACE TEST Photoionizable Vapours (ppm) ●
	S1	0 2
1.22	S2	0 3
1.52	S3	0 3
	S4	0 4
	S5	0 6
4.57	S6	0 2
	S7	0 3
	S8	0 3

50 100 150 200

SAMPLE TYPE Auger Grab

CONTRACTOR	INSPECTOR	APPROVED	DATE
Bluemax Drilling	A. OLEKSYN	RDS	3/23/15

ENVIRO (VAPOUR) U:\FMS\14-1393-007\19 WING COMOX.GPJ

Prepared By: KEM

KGS GROUP

SUMMARY LOG

HOLE NO.
TH15-08

CLIENT	DEPARTMENT OF NATIONAL DEFENCE
PROJECT	Defence Construction Canada
SITE	Firefighting Training Area, 19 Wing, CFB Comox, BC
LOCATION	
DRILLING METHOD	B-47 Rig with 150 mm ø Solid Stem Auger

JOB NO.	14-1393-007
GROUND ELEV.	18.701 m
TOP OF CASING ELEV.	18.710 m
WATER ELEV.	18.710 m
DATE DRILLED	1/22/2015
UTMs (NAD83)	N 5,509,512 E 362,383

ELEV. (m)	DEPTH (m)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	PIEZ. LOG/ BACKFILL	DEPTH (m)	SAMPLE TYPE NUMBER	FIELD HEADSPACE TEST Photoionizable Vapours (ppm) ●
							50 100 150 200
	0.5		**SILT** - Dark brown, saturated, soft, non-plastic to low plasticity, some organics, trace medium grained sand, trace cobbles.		0.61	S1	0.7
18.09			**SAND** - Brown, saturated, compact, fine to medium grained, trace silt, oxidation.			S2	0.5
17.63	1.0		**SILT** - Grey, damp, firm, non-plastic to low plasticity, trace fine grained sand, oxidation.			S3	0.5
17.18	1.5		**END OF HOLE AT 1.52 m**		1.52		
	2.0		Notes: 1. Installed flush mount monitoring well MW15-08. 2. Testhole terminated at 1.52 m due to visual indicators of potential PFOS contamination, and concern over potential spreading of impacts to underlying materials.				
	2.5						
	3.0						
	3.5						
	4.0						
	4.5						
	5.0						
	5.5						
	6.0						
	6.5						
	7.0						
	7.5						
	8.0						
	8.5						
	9.0						
	9.5						

SAMPLE TYPE ☒ Split Spoon

CONTRACTOR	INSPECTOR	APPROVED	DATE
Bluemax Drilling	A. OLEKSYN	RDS	3/23/15

ENVIRO (VAPOUR) U:\FMS\14-1393-007\19 WING COMOX.GPJ

Prepared by: KLM

KGS GROUP

SUMMARY LOG

HOLE NO.
TH15-09

CLIENT DEPARTMENT OF NATIONAL DEFENCE
PROJECT Defence Construction Canada
SITE Firefighting Training Area, 19 Wing, CFB Comox, BC
LOCATION
DRILLING METHOD B-47 Rig with 150 mm ø Solid Stem Auger

JOB NO. 14-1393-007
GROUND ELEV. 18.410 m
TOP OF CASING ELEV. 18.345 m
WATER ELEV. 18.345 m
DATE DRILLED 1/22/2015
UTMs (NAD83) N 5,509,530 E 362,350

ELEV. (m)	DEPTH (m)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	PIEZ. LOG/ BACKFILL	DEPTH (m)	SAMPLE TYPE NUMBER
	0.0		SILT Dark brown, wet, soft, non-plastic to low plasticity, trace medium grained sand, organics.			S1 0 1
	0.5		- Becomes grey, moist, some clay below 0.46 m. - Becomes damp, firm, trace oxidation below 0.61 m.			S2 0 4
	1.0				1.22	
	1.5		- Becomes brown, hard, trace corase grained gravel, trace cobbles below 1.67 m.		1.52	S3 0 1
	2.0					S4 0 3
	2.5					S5 0 2
15.36	3.0		SILT - Grey, damp, firm, non-plastic to low plasticity.			S6 0 2
	3.5					
	4.0					
	4.5					S7 0 2
	5.0					S8 0 2
	5.5					S9 0 3
12.31	6.0		END OF HOLE AT 6.10 m.		6.10	
	6.5		Notes: 1. Installed flush mount monitoring well MW15-09. 2. Water elevation measured on January 22, 2015.			
	7.0					
	7.5					
	8.0					
	8.5					
	9.0					
	9.5					

FIELD HEADSPACE TEST
Photoionizable Vapours (ppm) ●
50 100 150 200

SAMPLE TYPE Auger Grab

CONTRACTOR	INSPECTOR	APPROVED	DATE
Bluemax Drilling	A. OLEKSYN	RDS	3/23/15

ENVIRO (VAPOUR) U:\FMS\14-1393-007\19 WING COMOX.GPJ

Prepared by: KLM

KGS GROUP

SUMMARY LOG

HOLE NO. **TH15-10**

CLIENT DEPARTMENT OF NATIONAL DEFENCE

PROJECT Defence Construction Canada

SITE Firefighting Training Area, 19 Wing, CFB Comox, BC

LOCATION

DRILLING METHOD B-47 Rig with 150 mm ø Solid Stem Auger

JOB NO. 14-1393-007
GROUND ELEV. 18.104 m
TOP OF CASING ELEV. 18.054 m
WATER ELEV. 18.054 m
DATE DRILLED 1/22/2015
UTMs (NAD83) N 5,509,562 E 362,331

ELEV. (m)	DEPTH (m)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	PIEZ. LOG/ BACKFILL	DEPTH (m)	SAMPLE TYPE NUMBER	FIELD HEADSPACE TEST Photoionizable Vapours (ppm) ● 50 100 150 200
	0.5		SILT - Dark brown, moist, soft, non-plastic to low plasticity, organics. - Becomes brown, damp, firm, trace oxidation below 0.20 m. - Becomes stiff below 0.61 m.		1.22	S1 0.6	
	1.0					S2 0.5	
	1.5				1.52	S3 0.3	
	2.0						
	2.5					S4 0.4	
15.06	3.0		SILT - Grey, damp, stiff, non-plastic to low plasticity, trace coarse grained gravel.				
	3.5					S5 0.4	
	4.0					S6 0.2	
	4.5				4.57		
	5.0					S7 0.7	
	5.5					S8 0.3	
12.01	6.0		END OF HOLE AT 6.10 m				
	6.5		Notes: 1. Installed flush mount monitoring well MW15-10. 2. Water elevation measured on January 22, 2015. 3. Slough from 4.57 m to 6.10 m.				
	7.0						
	7.5						
	8.0						
	8.5						
	9.0						
	9.5						

SAMPLE TYPE Auger Grab

CONTRACTOR	INSPECTOR	APPROVED	DATE
Bluemax Drilling	A. OLEKSYN	RDS	3/23/15

ENVIRO (VAPOUR) U:\FMS\14-1393-007\19 WING COMOX.GPJ

Prepared by: KEM

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

BOREHOLE LOG

BOREHOLE NO: BH16-11
SURFACE ELEVATION: 18.38 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
0		S1/DupA			**silty SAND** some gravel, loose, brown, dry				roadbox, jplug, cement	18
		S2			occasional cobble, fractured, dense				bentonite seal	
1		S3							50 mm 010 slot PVC pipe	17
2		S4			- coarse fraction increasing, heavily fractured between 2.1 and 3.0 m					16
3		S5								15
4					- wet at 3.7 m - increased silt between 4.0 and 4.6 m				bentonite seal	14
5		S6			- increasing gravel and decreasing sand, occasional cobble, dry from 4.6 to 6.1 m					13
6					End of borehole at 6.1 m Well Completion Details: Screened interval from 0.8 m to 2.3 m below surface Elevation at top of casing (TOC) = 18.278 m					

DRILLING METHOD: Sonic

DRILL DATE: September 12, 2016 LOGGED BY: M. Coady
DRILLED BY:

Notes: ■ SONIC CORE SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

BOREHOLE LOG

BOREHOLE NO: BH16-12
SURFACE ELEVATION: 20.08 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
0		S1			**SAND AND SILT** trace gravel, compact, dark brown				roadbox, jplug, cement	20
		S2/DupB			**silty GRAVEL** some silt, some clay, heavy orange mottling, dark brown, moist				bentonite seal	
1		S3			**SILT AND CLAY** sandy, trace clay, trace gravel, very dense, mottling to 1.2 m, dark brown - larger cobble encountered at 1.2 m - dry				50 mm 010 slot PVC pipe	19
2										18
		S4								
3									bentonite seal	17
4										16
					End of borehole at 4.6 m Well Completion Details: Screened interval from 0.8 m to 2.0 m below surface Elevation at top of casing (TOC) = 19.969 m					

DRILLING METHOD: Sonic

DRILL DATE: September 12, 2016 LOGGED BY: M. Coady
DRILLED BY:

Notes: ■ SONIC CORE SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

BOREHOLE LOG

BOREHOLE NO: BH16-13
SURFACE ELEVATION: 19.43 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
0		S1			**SAND AND GRAVEL (fill)** coarse, loose				roadbox, jplug, cement	
		S2			**silty SAND** some coarse sand, trace gravel, trace organics, dark brown, moist				bentonite seal	19
1		S3/DupC			-some clay, trace gravel				50 mm 010 slot PVC pipe	18
2		S4			- trace iron oxidization, compact from 1.83 m					17
3		S5							bentonite seal	
					End of borehole at 3.1 m					

Well Completion Details:
Screened interval from 0.8 m to 2.3 m below surface
Elevation at top of casing (TOC) = 19.314 m

DRILLING METHOD: Sonic

DRILL DATE: September 13, 2016 LOGGED BY: M. Coady
DRILLED BY:

Notes: ■ SONIC CORE SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

BOREHOLE LOG

BOREHOLE NO: **BH16-14**
SURFACE ELEVATION: 17.72 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
0		S1			**SILT AND SAND** roots/rootlets, soft, brown, dry				roadbox, jplug, cement	
					- large cobble intercepted ~0.6 to1.4 m - no sample				bentonite seal	17
1										
					silty SAND soft, (potentially pushed down from above), dark brown, wet				50 mm 010 slot PVC pipe	16
2		S2			**sandy SILT AND CLAY** trace gravel, occasional cobble, hard					
		S3							bentonite seal	15
3					End of borehole at 3.1 m					

Well Completion Details:
Screened interval from 0.8 m to 2.3 m below surface
Elevation at top of casing (TOC) = 17.602 m

DRILLING METHOD: Sonic

DRILL DATE: September 14, 2016 LOGGED BY: M. Coady
DRILLED BY:

Notes: ■ SONIC CORE SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

BOREHOLE LOG

BOREHOLE NO: BH16-15
SURFACE ELEVATION: 17.50 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
					Not Sampled. Refer to BH16-16 log for stratigraphy.				roadbox, jplug, cement	
									bentonite seal	17
1										
									50 mm 010 slot PVC pipe	16
2										
										15
3									bentonite seal	
					End of borehole at 3.1 m Well Completion Details: Screened interval from 0.8 m to 2.3 m below surface Elevation at top of casing (TOC) = 17.421 m					

DRILLING METHOD: Sonic

DRILL DATE: September 13, 2016 LOGGED BY: M. Coady
DRILLED BY:

Notes:

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

BOREHOLE LOG

BOREHOLE NO: BH16-16
SURFACE ELEVATION: 17.54 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv)	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
0		S1			**SAND** some silt, some gravel, some rootlets, soft, dark brown, moist	75			roadbox, jplug, cement	17
		S2/DupD			some silt, some clay, some gravel, trace wood fragments, soft, dark brown, moist	35				
		S3				35				
1		S4			**SILT AND CLAY** trace gravel, grey, moist	15				16
					trace gravel, some oxidation/motttling, consolidated, hard, light brown, moist					
2					- less consolidated from 1.2 to 2.1 m					
					- consolidated, trace clay seams, trace gravel, occasional cobble from 2.1 to 4.3 m					
		S5				25			bentonite seal	15
3										
		S6				0				14
4										
					silty SAND trace sub-rounded gravel, trace clay, occasional cobble, grey, moist					13
5		S7				0			50 mm 010 slot PVC pipe	
										12
6					- some sections of SILT with some sand, dense between 6.1 and 10.7 m	0				
		S8			- intercepted boulder/cobble layer at 6.7 m					11
7										
										10
8										
		S9				0				9
9									bentonite seal	
										8
10										
		S10			- decreasing gravel from 10.7 to 12.2 m	0				7
11					- some clay from 11.3 to 12.2 m					
		S11				0				6
12										
					End of borehole at 12.2 m Well Completion Details: Screened interval from 4.6 m to 6.1 m below surface Elevation at top of casing (TOC) = 17.470 m					

DRILLING METHOD: Sonic

DRILL DATE: September 13, 2016 LOGGED BY: M. Coady
DRILLED BY:

Notes: ■ SONIC CORE SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

BOREHOLE LOG

BOREHOLE NO: BH16-17
SURFACE ELEVATION: 15.20 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
		S1			**SILT AND SAND** trace gravel, trace rootlets, soft, brown	0			roadbox, jplug, cement	15
		S2/DupG			**sandy SILT AND CLAY** weathered, orange mottling to 0.8 m - trace gravel, occasional cobble, heavy mottling from 0.8 to 2.1 m	0			bentonite seal	
1		S3				0			50 mm 010 slot PVC pipe	14
2					- thin clay lenses at 1.8 m - some clay, hard from 2.1 to 3					13
3		S4				0			bentonite seal	
					End of borehole at 3.1 m Well Completion Details: Screened interval from 0.8 m to 2.3 m below surface Elevation at top of casing (TOC) = 15.104 m					

DRILLING METHOD: Sonic

DRILL DATE: September 14, 2016 LOGGED BY: M. Coady
DRILLED BY:

Notes: ■ SONIC CORE SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

BOREHOLE LOG

BOREHOLE NO: BH16-18
SURFACE ELEVATION: 17.15 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
					Not Sampled. Refer to BH16-19 log for stratigraphy.				roadbox, jplug, cement	17
1									bentonite seal	
										16
2									50 mm 010 slot PVC pipe	
										15
3									bentonite seal	
					End of borehole at 3.1 m Well Completion Details: Screened interval from 0.8 m to 2.3 m below surface Elevation at top of casing (TOC) = 14.086 m					

DRILLING METHOD: Sonic

DRILL DATE: September 14, 2016 LOGGED BY: M. Coady
DRILLED BY:

Notes:

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

BOREHOLE LOG

BOREHOLE NO: BH16-19
SURFACE ELEVATION: 14.14 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
0		S1/DupE			**SAND** silty, trace to some gravel gravel, trace clay, very soft, orange/brown, dry - till-like from 0.6 m - occasional cobble, hard, orange/grey mottling, moist from 0.6 m	0			roadbox, jplug, cement	14
1		S2				0				13
2									bentonite seal	12
3		S3				0				11
4		S4				15				10
5		S5/DupF			**silty SAND** trace gravel, occasional cobble, compact, moist	5			50 mm 010 slot PVC pipe	9
6		S6				0				8
7										7
8		S7			**sandy SILT, trace clay** trace subrounded gravel, grey	0				6
9					**silty SAND** trace gravel, occasional cobble, compact, grey					5
10		S8				60			bentonite seal	4
11										3
12		S9				60				2
					End of borehole at 12.2 m Well Completion Details: Screened interval from 4.7 m to 6.3 m below surface Elevation at top of casing (TOC) = 14.054 m					

DRILLING METHOD: Sonic

DRILL DATE: September 14, 2016 LOGGED BY: M. Coady
DRILLED BY:

Notes: ■ SONIC CORE SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

BOREHOLE LOG

BOREHOLE NO: BH16-20
SURFACE ELEVATION: 16.46 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
0		S1			**silty SAND** soft, light brown, dry				roadbox, jplug, cement	16
		S2			- increasing silt and clay, decreasing sand, compact, orange motting, compact at 0.6 m				bentonite seal	
1		S3			**SILT** some sand, some gravel, dense, grey				50 mm 010 slot PVC pipe	15
2		S4								14
3										13
4					**SILT AND CLAY** sandy, trace to some gravel, occasional cobble, dense					12
5		S5							bentonite seal	
		S6			**SAND** compact, grey, moist					11
6					**SILT and CLAY** sandy, trace to some gravel, occasional cobble, dense, moist					10
7		S7								9
					End of borehole at 7.6 m Well Completion Details: Screened interval from 0.8 m to 2.3 m below surface Elevation at top of casing (TOC) = 16.352 m					

DRILLING METHOD: Sonic

DRILL DATE: September 12, 2016 LOGGED BY: M. Coady
DRILLED BY:

Notes: ■ SONIC CORE SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

TESTPIT LOG

TESTPIT NO: TP 1
SURFACE ELEVATION: 18.70 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
		TP1-1			**silty SAND AND GRAVEL** some roots/rootlets, loose, brown				roadbox, jplug, cement	
									bentonite seal	18
1		TP1-2			**SILT AND CLAY,** sandy, trace gravel, very hard, grey/brown with orange mottling				silica sand probe silica sand	
		TP1-3							bentonite seal	
					End of testpit at 1.5 m					

DRILLING METHOD: Sonic

DRILL DATE: September 15, 2016 LOGGED BY: M.Coady
DRILLED BY:

Notes: ■ SONIC CORE SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

TESTPIT LOG

TESTPIT NO: TP 2
SURFACE ELEVATION: 18.76 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
		TP2-1			**silty SAND AND GRAVEL** roots/rootlets, loose, light brown, dry	0			roadbox, jplug, cement	
		TP2-2			**silty SAND** some clay, some gravel, occasional cobble, loose, dark brown	5			bentonite seal	18
1		TP2-3			**SILT AND CLAY** sandy, trace gravel, hard, grey with orange mottling, moist	0	3		silica sand probe silica sand bentonite seal	
					End of testpit at 1.5 m					

DRILLING METHOD: Sonic

DRILL DATE: September 15, 2016 LOGGED BY: M.Coady
DRILLED BY:

Notes: ■ SONIC CORE SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

TESTPIT LOG

TESTPIT NO: TP 3
SURFACE ELEVATION: 18.19 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
		TP3-1			**silty SAND** some roots/rootlets, large cobble, dark brown - trace gravel, orange brown, dry to 0.4 m	30				18
		TP3-2				30				
		TP3-3			**silty SAND AND GRAVEL** loose, light brown, dry	0				
		TP3-4			**SAND AND GRAVEL** trace silt, occasional cobble, loose, brown, moist	0			backfilled to grade	
1										
		TP3-5			**SILT AND CLAY** sandy, trace gravel, fractured/weathered	0				17
					End of testpit at 1.5 m					

DRILLING METHOD: Sonic

DRILL DATE: September 15, 2016 LOGGED BY: M.Coady
DRILLED BY:

Notes: ■ SONIC CORE SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

TESTPIT LOG

TESTPIT NO: TP 4
SURFACE ELEVATION: 19.17 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
		TP4-1			**SAND AND GRAVEL (fill)** loose, light hydrocarbon odour, dry	45			roadbox, jplug, cement	19
					SAND some gravel, occasional cobble, loose, light hydrocarbon odour, moist				bentonite seal	
		TP4-2			**silty SAND** some gravel, compact, light - moderate hydrocarbon odour	65			silica sand probe	
1		TP4-3/DupA			**SAND AND GRAVEL** trace silt, trace clay, loose, light - moderate hydrocarbon odour, moist	80			silica sand bentonite seal	18
					End of testpit at 1.5 m					

DRILLING METHOD: Sonic
DRILL DATE: September 15, 2016
LOGGED BY: M.Coady
DRILLED BY:

Notes: ■ SONIC CORE SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

TESTPIT LOG

TESTPIT NO: TP 5
SURFACE ELEVATION: 18.94 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
		TP5-1			**silty SAND** some gravel, loose, light hydrocarbon odour, brown	0	3			
		TP5-2/DupB			**SAND AND GRAVEL** some silt, trace clay, light - moderate hydrocarbon odour, dark brown	0			backfilled to grade	
1		TP5-3			**SAND** some silt, loose, light hydrogen sulfide odour, grey with some mottling, wet	0				18
		TP5-4			**SILT** some clay, trace sand, firm, high plasticity, grey, wet	0				
					End of testpit at 1.5 m					

DRILLING METHOD: Sonic

DRILL DATE: September 15, 2016 LOGGED BY: M.Coady
DRILLED BY:

Notes: ■ SONIC CORE SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

TESTPIT LOG

TESTPIT NO: TP 6
SURFACE ELEVATION: 19.57 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
		TP6-1/DupE			**silty SAND** some gravel, occasional cobble, loose, light hydrocarbon odour, brown, dry	0			roadbox, jplug, cement	
		TP6-2			**sandy SILT** weathered, fractured, some woody debris, moderate - strong hydrocarbon odour - less weathered and fractured from 0.7 m	0			bentonite seal silica sand	19
1		TP6-3				5			probe silica sand	
		TP6-4/DupD			**sandy SILT AND CLAY** trace gravel, occasional cobble, strong hydrocarbon odour	0			bentonite seal	
					End of testpit at 1.5 m					

DRILLING METHOD: Sonic

DRILL DATE: September 15, 2016 LOGGED BY: M.Coady
DRILLED BY:

Notes: ■ SONIC CORE SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

TESTPIT LOG

TESTPIT NO: TP 7
SURFACE ELEVATION: 18.48 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
		TP7-1/DupF			**SAND AND GRAVEL** trace vegetation, trace roots/rootlets, loose, brown	0				
					sandy GRAVEL, some silt, some clay some silt, some clay, dry					18
		TP7-2			**silty SAND** trace gravel, very dense, dry	0			backfilled to grade	
1										
		TP7-3				0				
					End of testpit at 1.5 m					17

DRILLING METHOD: Sonic

DRILL DATE: September 15, 2016 LOGGED BY: M.Coady
DRILLED BY:

Notes: ■ SONIC CORE SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

TESTPIT LOG

TESTPIT NO: TP 8
SURFACE ELEVATION: 18.75 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
		TP 8-1			**SILT AND SAND** trace gravel, trace roots/rootlets, loose, dark brown to 0.2 m, dry	0				
					silty SAND occasional gravel, loose, light brown with orange mottling, dry					
		TP 8-2			**SILT AND CLAY** sandy, trace subrounded gravel, hard to very hard, grey, moist to dry	0			backfilled to grade	18
1										
		TP 8-3				0				
					End of testpit at 1.5 m					

DRILLING METHOD: Sonic

DRILL DATE: September 15, 2016 LOGGED BY: M.Coady
DRILLED BY:

Notes: ■ SONIC CORE SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

TESTPIT LOG

TESTPIT NO: TP 9
SURFACE ELEVATION: 19.59 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
		TP9-1			**SAND AND GRAVEL** loose, light hydrocarbon odour, grey brown, dry	40			roadbox, jplug, cement	
		TP9-2			- dark brown with some mottling, moist at 0.6 m	340			bentonite seal silica sand	19
1		TP9-3			**SILT AND SAND** some gravel, loose, light hydrocarbon odour, light brown, moist	30			probe silica sand	
		TP9-4			**SILT AND CLAY** sandy, trace gravel, very hard, grey	20			bentonite seal	
					End of testpit at 1.5 m					

DRILLING METHOD: Sonic

DRILL DATE: September 15, 2016 LOGGED BY: M.Coady
DRILLED BY:

Notes: ■ SONIC CORE SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence Construction Canada**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00000**

TESTPIT LOG

TESTPIT NO: TP10
SURFACE ELEVATION: 19.68 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
		TP10-1			**SAND AND GRAVEL** loose, light hydrocarbon odour, grey with brown and orange mottling	70			roadbox, jplug, cement	
		TP10-2/DupC			**SILT AND SAND** some gravel, loose, moderate hydrocarbon odour, dark brown, moist	15			bentonite seal	
		TP10-3			**silty SAND** trace clay, trace gravel, compact, moderate hydrocarbon odour, grey	150			silica sand probe silica sand	19
1										
		TP10-4			**SILT** some clay, firm, light - moderate hydrocarbon odour, grey, moist	460			bentonite seal	
					End of testpit at 1.5 m					

DRILLING METHOD: Sonic

DRILL DATE: September 15, 2016 LOGGED BY: M.Coady
DRILLED BY:

Notes: SONIC CORE SAMPLE

Sheet 1 of 1

SLR CANADA V5.2 219.05329.TP LOGS DRAFT MAR 2017.GPJ SLR_CAN V5.2.GDT 3/12/17

SLR CONSULTING (CANADA) LTD.

CLIENT: **Department of National Defence**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00001**

BOREHOLE LOG

BOREHOLE NO: PIEZO17-1
SURFACE ELEVATION: 14.13 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
									steel casing, stickup, jplug	
0					Ground Surface					
					SAND fine, some silt, trace gravel, loose, organics at surface, grass rootlets (0-0.08 m bgs.), grey-brown, dry				silica sand	14
									bentonite seal	
1										13
									50 mm 010 slot PVC pipe	
					End of borehole at 1.5 m Well Completion Details: Screened interval from 1.1 m to 1.5 m below surface Elevation at top of casing (TOC) = 15.002 m					

DRILLING METHOD: Solid Stem Auger Drilling

DRILL DATE: October 10, 2017

LOGGED BY: M. Coady , I. Mitchell
DRILLED BY:

Notes:

SLR CONSULTING (CANADA) LTD.

CLIENT: **Department of National Defence**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00001**

BOREHOLE LOG

BOREHOLE NO: PIEZO17-2
SURFACE ELEVATION: 13.65 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
									steel casing, stickup, jplug	14
0					Ground Surface					
					SAND fine, some silt, trace gravel, loose, trace organics at surface, density / compactness increasing at 0.6 mbg., light brown, dry				silica sand	
					gravelly SILT some sand, grey, moist					13
1									bentonite seal	
					silty SAND some gravel, occassional cobble, grey, moist					12
2									50 mm 010 slot PVC pipe	11
					End of borehole at 2.7 m Well Completion Details: Screened interval from 2.4 m to 2.7 m below surface Elevation at top of casing (TOC) = 14.515 m					

DRILLING METHOD: Solid Stem Auger Drilling

DRILL DATE: October 10, 2017

LOGGED BY: M. Coady , I. Mitchell
DRILLED BY:

Notes:

SLR CONSULTING (CANADA) LTD.

CLIENT: **Department of National Defence**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00001**

BOREHOLE LOG

BOREHOLE NO: PIEZO17-3D
SURFACE ELEVATION: 15.79 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
									steel casing, stickup, jplug	16
0					Ground Surface					
					silty SAND fine, some gravel (sub-angular), light brown, dry				bentonite seal	15
1									50 mm 010 slot PVC pipe	14
					End of borehole at 1.8 m Well Completion Details: Screened interval from 1.5 m to 1.8 m below surface Elevation at top of casing (TOC) = 16.713 m					

DRILLING METHOD: Solid Stem Auger Drilling

DRILL DATE: October 10, 2017

LOGGED BY: M. Coady , I. Mitchell
DRILLED BY:

Notes:

SLR CONSULTING (CANADA) LTD.

CLIENT: **Department of National Defence**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00001**

BOREHOLE LOG

BOREHOLE NO: PIEZO17-3S
SURFACE ELEVATION: 15.80 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
									steel casing, stickup, jplug	16
0					Ground Surface					
					silty SAND fine, some gravel (sub-angular), light brown, dry				bentonite seal 50 mm 010 slot PVC pipe	15
1									bentonite seal slough	
					End of borehole at 1.5 m Well Completion Details: Screened interval from 0.5 m to 0.9 m below surface Elevation at top of casing (TOC) = 16.706 m					

DRILLING METHOD: Solid Stem Auger Drilling

DRILL DATE: October 10, 2017

LOGGED BY: M. Coady , I. Mitchell
DRILLED BY:

Notes:

SLR CONSULTING (CANADA) LTD.

CLIENT: **Department of National Defence**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00001**

BOREHOLE LOG

BOREHOLE NO: PIEZO17-4
SURFACE ELEVATION: 17.57 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
					Ground Surface				steel casing, stickup, jplug	18
0					**SILT and SAND** trace gravel, trace roots/rootlets, loose, silt content increasing with depth, brown, dry				silica sand bentonite seal 50 mm 010 slot PVC pipe	17
					End of borehole at 0.9 m Well Completion Details: Screened interval from 0.5 m to 0.9 m below surface Elevation at top of casing (TOC) = 18.476 m					

DRILLING METHOD: Solid Stem Auger Drilling

DRILL DATE: October 10, 2017

LOGGED BY: M. Coady , I. Mitchell
DRILLED BY:

Notes:

SLR CONSULTING (CANADA) LTD.

CLIENT: **Department of National Defence**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00001**

BOREHOLE LOG

BOREHOLE NO: PIEZO17-5
SURFACE ELEVATION: 18.47 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
									steel casing, stickup, jplug	19
0					Ground Surface					
					SILT and SAND fine, trace gravel, moist and darker soils at 0.45 mbg, light brown, dry				silica sand bentonite seal	18
1					**silty SAND** some gravel, trace clay, soft, abundant orange mottling, grey, wet				50 mm 010 slot PVC pipe	
					End of borehole at 1.4 m Well Completion Details: Screened interval from 0.9 m to 1.4 m below surface Elevation at top of casing (TOC) = 19.330 m					

DRILLING METHOD: Solid Stem Auger Drilling

DRILL DATE: October 11, 2017

LOGGED BY: M. Coady , I. Mitchell
DRILLED BY:

Notes:

SLR CONSULTING (CANADA) LTD.

CLIENT: **Department of National Defence**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00001**

BOREHOLE LOG

BOREHOLE NO: PIEZO17-6D
SURFACE ELEVATION: 17.03 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
									steel casing, stickup, jplug	
0					Ground Surface					
					SAND and GRAVEL some silt, soft, dark brown, moist				cement	17
					SILT and SAND fine, trace gravel, trace clay, firm, orange mottling present, light grey					
					SILT some sand, soft, dark brown, moist					
					SILT and SAND trace to some clay, occassional rounded gravel, soft, moderate plasticity, density and clay content increasing with depth, grey				bentonite seal	
1										16
									50 mm 010 slot PVC pipe	
					End of borehole at 2.0 m Well Completion Details: Screened interval from 1.5 m to 2.0 m below surface Elevation at top of casing (TOC) = 17.951 m					

DRILLING METHOD: Solid Stem Auger Drilling

DRILL DATE: October 11, 2017

LOGGED BY: M. Coady , I. Mitchell
DRILLED BY:

Notes:

SLR CONSULTING (CANADA) LTD.

CLIENT: **Department of National Defence**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00001**

BOREHOLE LOG

BOREHOLE NO: PIEZO17-6S
SURFACE ELEVATION: 17.02 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
									steel casing, stickup, jplug	
0					Ground Surface					17
					SAND and GRAVEL some silt, soft, dark brown, moist				cement	
					SILT and SAND fine, trace gravel, trace clay, firm, orange mottling present, light grey				bentonite seal	
					SILT some sand, soft, dark brown, moist					
					SILT and SAND trace to some clay, occassional rounded gravel, soft, moderate plasticity, density and clay content increasing with depth, grey				50 mm 010 slot PVC pipe	
1										16
					End of borehole at 1.1 m Well Completion Details: Screened interval from 0.6 m to 1.1 m below surface Elevation at top of casing (TOC) = 18.048 m					

DRILLING METHOD: Solid Stem Auger Drilling

DRILL DATE: October 11, 2017

LOGGED BY: M. Coady , I. Mitchell
DRILLED BY:

Notes:

SLR CONSULTING (CANADA) LTD.

CLIENT: **Department of National Defence**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00001**

BOREHOLE LOG

BOREHOLE NO: PIEZO17-7D
SURFACE ELEVATION: 16.72 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
									steel casing, stickup, jplug	17
0					Ground Surface					
					silty SAND fine to trace medium to coarse sand, trace to some gravel, loose, localized orange mottling, brown, moist				cement	
										16
									bentonite seal	
1					Compact, becoming dense below 1.5 m, increased orange mottling, increasing silt content and becoming greyish-brown					
										15
									50 mm 010 slot PVC pipe	
					End of borehole at 2.0 m Well Completion Details: Screened interval from 1.7 m to 2.0 m below surface Elevation at top of casing (TOC) = 17.746 m					

DRILLING METHOD: Solid Stem Auger Drilling

DRILL DATE: October 11, 2017

LOGGED BY: M. Coady , I. Mitchell
DRILLED BY:

Notes:

SLR CONSULTING (CANADA) LTD.

CLIENT: **Department of National Defence**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00001**

BOREHOLE LOG

BOREHOLE NO: PIEZO17-7-INSTREAM
SURFACE ELEVATION: 14.75 m @ grade of creek bed

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
-1					**Surface Water Level (for display only)**				jplug stickup	16 15
0					Ground Surface Subsurface stratigraphy not logged				compact sediments	14
1									screen	
					End of borehole at 1.3 m Well Completion Details: Screened interval from 1.0 m to 1.3 m below surface Elevation at top of casing (TOC) = 16.613 m					

DRILLING METHOD: Drive-point, slidehammer

DRILL DATE: October 11, 2017

LOGGED BY: M. Coady , I. Mitchell
DRILLED BY:

Notes:

SLR CONSULTING (CANADA) LTD.

CLIENT: **Department of National Defence**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00001**

BOREHOLE LOG

BOREHOLE NO: PIEZO17-7S
SURFACE ELEVATION: 16.77 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
-1									steel casing, stickup, jplug	17
0					Ground Surface **silty SAND** fine, trace medium to coarse sand, trace to some gravel, loose, localized orange mottling, brown, moist				cement bentonite seal	
1									50 mm 010 slot PVC pipe	16
					End of borehole at 1.1 m Well Completion Details: Screened interval from 0.6 m to 1.1 m below surface Elevation at top of casing (TOC) = 17.865 m					

DRILLING METHOD: Solid Stem Auger Drilling

DRILL DATE: October 11, 2017

LOGGED BY: M. Coady , I. Mitchell
DRILLED BY:

Notes:

SLR CONSULTING (CANADA) LTD.

CLIENT: **Department of National Defence**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00001**

BOREHOLE LOG

BOREHOLE NO: PIEZO17-8D
SURFACE ELEVATION: 13.75 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
									jplug	
									stickup	14
0					Ground Surface					
					silty SAND trace to some gravel, trace clay, occassional rounded cobble, soft to firm, localized orange mottling, medium brown				cement	
									bentonite seal	13
1					sand and gravel fraction increasing below 1.2 mbg.					
									50 mm 010 slot PVC pipe	12
					End of borehole at 2.0 m Well Completion Details: Screened interval from 1.7 m to 2.0 m below surface Elevation at top of casing (TOC) = 14.584 m					

DRILLING METHOD: Solid Stem Auger Drilling

DRILL DATE: October 11, 2017

LOGGED BY: M. Coady , I. Mitchell
DRILLED BY:

Notes:

SLR CONSULTING (CANADA) LTD.

CLIENT: **Department of National Defence**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00001**

BOREHOLE LOG

BOREHOLE NO: PIEZO17-8-INSTREAM
SURFACE ELEVATION: 12.68 m @ grade of creek bed

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
-1					**Surface Water Level (for display only)**				jplug stickup	-1.0
0					Ground Surface Subsurface stratigraphy not logged				compact sediments	0.0
1									screen	1.0
					End of borehole at 1.3 m Well Completion Details: Screened interval from 1.0 m to 1.3 m below surface Elevation at top of casing (TOC) = 13.918 m					

DRILLING METHOD: Drive-point, slidehammer

DRILL DATE: October 11, 2017

LOGGED BY: M. Coady , I. Mitchell
DRILLED BY:

Notes:

SLR CONSULTING (CANADA) LTD.

CLIENT: **Department of National Defence**
PROJECT: **FFTA**
ADDRESS: **19 Wing Comox, Lazo, BC**
SLR JOB NO: **219.05329.00001**

BOREHOLE LOG

BOREHOLE NO: PIEZO17-8S
SURFACE ELEVATION: 13.80 m

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	WELL COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
									jplug	
									stickup	
										14
0					Ground Surface					
					silty SAND trace to some gravel, trace clay, occassional rounded cobble, soft to firm, localized orange mottling, brown				cement	
									bentonite seal	
										13
1									50 mm 010 slot PVC pipe	
					End of borehole at 1.2 m Well Completion Details: Screened interval from 1.1 m to 1.5 m below surface Elevation at top of casing (TOC) = 14.601 m					

DRILLING METHOD: Solid Stem Auger Drilling

DRILL DATE: October 11, 2017

LOGGED BY: M. Coady , I. Mitchell
DRILLED BY:

Notes:

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-21

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Solid Stem Auger	Ground Surface Elev. (m)	18.734	Borehole Logged By:	GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	18.657 18.662	Date Drilled:	2018 12 11
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509486.683	Easting: 362331.212	Log Typed By:	NDS

Drilling Legend: Sample Interval; Vac. Extraction; Auger Flight

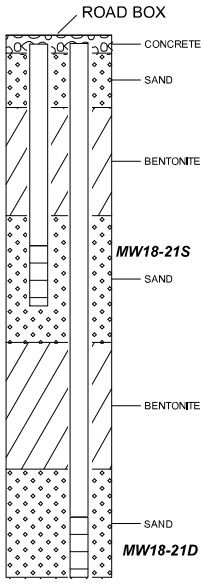
Water/ Levels: Water Level 1; Water Level 2

Reading within indicated scale; Reading outside indicated scale

Solid PVC; Slotted PVC

Well Name 1: MW18-21S
Well Name 2: MW18-21D

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND and GRAVEL (FILL), medium to coarse grained sand, fine and coarse gravel, subangular to subrounded, cobbles, subrounded, grey/brown, dense, damp.			21-04			0
				21-01			0
1	SAND, medium grained, trace to some silt, red/brown, loose, damp, rootlets.			21-02			0
	SILT and SAND, fine to coarse grained, some gravel, fine and coarse, subrounded, light brown, medium dense, wet.			21-03			0
2				21-05			0
3				21-06			0
	SAND, fine grained, trace silt, trace gravel, fine, subangular to subrounded, blue/grey, dense, wet.						
4				21-07			0
	Bottom of hole at 4.6 m.						
5							
6							
7							
8							
9							
10							



NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 02 26 Print Date:2019-03-26

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-22

PAGE 1 OF 1

Drilling Contractor	H2X Contracting Ltd.	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac	Ground Surface Elev. (m)	15.891	Borehole Logged By:	GG
Borehole Dia. (m)	0.25	Top of Casing Elev. (m)	n/a	Date Drilled:	2018 12 11
Pipe/Slotted Pipe Dia. (m)	none/none	Northing: 5509803.063	Easting: 362311.867	Log Typed By:	NDS

Drilling Legend
Sample Interval
Vac. Extraction

Water/ Levels
Water Level 1
Water Level 2

Reading within indicated scale
Reading outside indicated scale

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4	
0	SAND (TOPSOIL), fine to medium grained, some silt, some peat, brown, loose, moist, abundant rootlets.			22-01				
1	SAND, fine grained, some silt, trace gravel, fine and coarse, subrounded, cobbles, subrounded, light brown, mottled orange, medium dense, damp, rootlets. Below 0.6 m - grey/light brown.			22-02				
	Below 1.2 m - trace silt, very dense, no rootlets.			22-03				BENTONITE
	Bottom of hole at 1.5 m.							
2								
3								
4								
5								
6								
7								
8								
9								
10								

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 02 26 Print Date:2019-03-26

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Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-23

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Solid Stem Auger	Ground Surface Elev. (m)	16.745	Borehole Logged By:	GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	17.763 17.754	Date Drilled:	2018 12 12
Pipe/Slotted Pipe Dia. (m)	0.03/0.03	Northing: 5509709.203	Easting: 362311.050	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Auger Flight

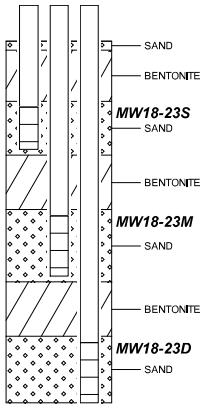
Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW18-23S
Well Name 2: MW18-23M
Well Name 3: MW18-23D

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND (TOPSOIL), fine to medium grained, silty, some peat/organics, brown, loose, moist, rootlets.			23-01		0	0
1	SAND, fine to medium grained, some silt, trace gravel, fine and coarse, subangular to subrounded, light brown, mottled orange, dense, wet.			23-02		0	0
2	Below 1.5 m - silty, some gravel, no mottling.			23-03		0	0
3	Bottom of hole at 3.1 m.			23-04		0	0
4							
5							
6							
7							
8							
9							
10							



NOTES
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QA TP 2019 02 26 Print Date:2019-03-26

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Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-24

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Solid Stem Auger	Ground Surface Elev. (m)	16.872	Borehole Logged By:	GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	17.812 17.796	Date Drilled:	2018 12 13
Pipe/Slotted Pipe Dia. (m)	0.03/0.03	Northing: 5509683.822	Easting: 362189.235	Log Typed By:	NDS

Drilling Legend: Sample Interval; Vac. Extraction; Auger Flight

Water/ Levels: Water Level 1; Water Level 2

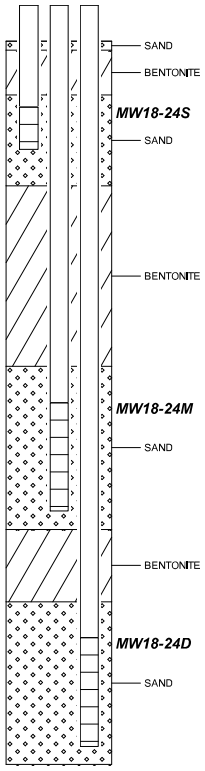
Reading within indicated scale; Reading outside indicated scale

Solid PVC; Slotted PVC

Well Name 1: MW18-24S
Well Name 2: MW18-24M
Well Name 3: MW18-24D

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND (TOPSOIL), fine to medium grained, silty, some peat/organics, brown, loose, moist, rootlets.			24-01			0
1	SAND, fine to medium grained, some gravel, fine and coarse, subrounded, light brown, medium dense, moist, trace rootlets.			24-02			0
	SAND, fine to medium grained, silty, some gravel, fine and coarse, subrounded, light brown, mottled orange, medium dense, moist.			24-03			0
2	SAND, fine grained, some gravel, fine and coarse, subrounded, some medium grained sand, trace silt, blue/grey, dense, wet.			24-04			0
3				24-05			0
4				24-06			0
5				24-07			0
6	Bottom of hole at 6.1 m.						
7							
8							
9							
10							

Soil Vapour (ppm) scale: 10^1 10^2 10^3 10^4



NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 02 26 Print Date:2019-03-26

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Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-25

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Solid Stem Auger	Ground Surface Elev. (m)	15.508	Borehole Logged By:	GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	16.396 16.420	Date Drilled:	2018 12 12
Pipe/Slotted Pipe Dia. (m)	0.03/0.03	Northing: 5509782.040	Easting: 362209.464	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Auger Flight

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW18-25S
Well Name 2: MW18-25D

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND (TOPSOIL), fine to medium grained, some silt, some peat/organics, brown, loose, moist, abundant rootlets.			25-01			0
1	SAND, fine to coarse grained, silty, some gravel, fine and coarse, subrounded, light brown, mottled orange, medium dense, moist, rootlets.			25-02			0
2				25-03			10
3				25-04			30
4	SAND, fine to medium grained, some gravel, fine, subrounded, trace silt, blue/grey, dense, wet.			25-05			10
5				25-06			
6	Bottom of hole at 4.6 m.						
7							
8							
9							
10							

Soil Vapour (ppm): 10^1 10^2 10^3 10^4

SAND
BENTONITE
MW18-25S
SAND
BENTONITE
MW18-25D
SAND

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 02 26 Print Date:2019-03-26

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-26

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Solid Stem Auger	Ground Surface Elev. (m)	18.156	Borehole Logged By:	GG
Borehole Dia. (m)	0.20	Top of Casing Elev. (m)	19.203 19.116	Date Drilled:	2018 12 13
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509451.696	Easting: 362286.869	Log Typed By:	NDS

Drilling Legend: Sample Interval; Vac. Extraction; Auger Flight

Water/ Levels: Water Level 1; Water Level 2

Reading within indicated scale; Reading outside indicated scale

Solid PVC; Slotted PVC

Well Name 1: MW18-26S
Well Name 2: MW18-26D

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND (FILL), fine to coarse grained, some silt, some gravel, fine and coarse, subrounded, brown, medium dense, moist, rootlets, metal and plastic debris. Below 0.5 m - wood debris, no metal/plastic debris.			26-01			10
1				26-02			0
	SAND, fine to medium grained, silty, some gravel, fine and coarse, subrounded, brown, medium dense, wet.			26-03			0
2				26-04			0
3	SILT, some sand, medium grained, some gravel, fine and coarse, subrounded, trace clay, cobbles, subrounded, blue/grey, soft, wet, sand lenses, medium grained, brown/orange, silt lenses, light brown, mottled.			26-05 *26-06			15
4							
	SAND, fine grained, some silt, some gravel, fine and coarse, subrounded, blue/grey, dense, wet.						
5				26-07			0
6	Bottom of hole at 6.1 m.						
7							
8							
9							
10							

Soil Vapour (ppm): 10^1 10^2 10^3 10^4

SAND
BENTONITE
MW18-26S
SAND
BENTONITE
MW18-26D
SAND

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate. Well installed with hollow stem auger.

QA TP 2019 02 26 Print Date:2019-03-26

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-27

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Solid Stem Auger	Ground Surface Elev. (m)	18.319	Borehole Logged By:	ZL/GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	18.245	Date Drilled:	2018 12 12
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509534.700	Easting: 362315.871	Log Typed By:	NDS

Drilling Legend: Sample Interval; Vac. Extraction; Auger Flight

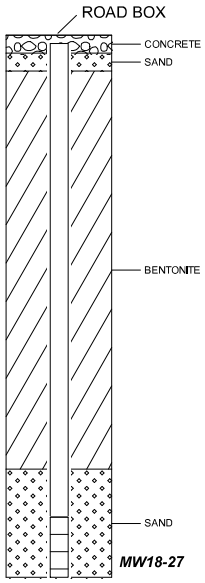
Water/ Levels: Water Level 1; Water Level 2

Reading within indicated scale; Reading outside indicated scale

Solid PVC; Slotted PVC

Well Name 1: MW18-27

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND and GRAVEL (FILL), medium to coarse grained sand, fine and coarse gravel, subangular to subrounded, grey, dense, damp.			27-01			0
1	SAND, medium grained, trace silt, brown, loose, moist, rootlets. Below 0.9 m - no rootlets. Below 1.2 m - sulphur odour.			27-02			0
				27-03			0
2	SILT, sandy, fine to coarse grained, some gravel, fine and coarse, subangular to subrounded, light brown, mottled orange, firm, wet. Increasing sand content with depth.			27-04			15
				27-05			20
3				27-06			40
4	SAND, fine to medium grained, some silt, trace gravel, fine, subrounded, blue/grey, dense, wet.			27-07			130
	Bottom of hole at 4.6 m.						
5							
6							
7							
8							
9							
10							



NOTES
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Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-28

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Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Solid Stem Auger	Ground Surface Elev. (m)	17.588	Borehole Logged By:	ZL/GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	n/a	Date Drilled:	2018 12 12
Pipe/Slotted Pipe Dia. (m)	none/none	Northing: 5509585.494	Easting: 362317.358	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Auger Flight

Water/ Levels
- Water Level 1
- Water Level 2

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND, fine to medium grained, some silt, brown, loose, moist, trace organics.			28-01			
1	SAND, fine grained, silty, trace gravel, fine and coarse, subrounded, light brown, mottled orange, loose, damp.			28-02 *28-03			
	Below 1.1 m - trace silt, no mottling, very dense.			28-04			35
2				28-05			
							5
3				28-06			
	Bottom of hole at 3.1 m.						
4							
5							
6							
7							
8							
9							
10							

Soil Vapour (ppm): 10^1 10^2 10^3 10^4

○ Reading within indicated scale
● Reading outside indicated scale

BENTONITE

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 02 26 Print Date:2019-03-26

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Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-29

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Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Solid Stem Auger	Ground Surface Elev. (m)	17.072	Borehole Logged By:	ZL/GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	n/a	Date Drilled:	2018 12 13
Pipe/Slotted Pipe Dia. (m)	none/none	Northing: 5509638.819	Easting: 362323.871	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Auger Flight

Water/ Levels
- Water Level 1
- Water Level 2

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND, medium grained, some silt, brown, loose, damp, trace organics.			29-01			
	SAND, fine grained, silty, light brown, mottled orange, loose, moist.			29-02			
1				29-03			
	Below 1.2 m - very dense, cementitious.			29-04			
2				29-05 *29-06			0
3	Bottom of hole at 3.1 m.			29-07			0
4							
5							
6							
7							
8							
9							
10							

Reading within indicated scale
Reading outside indicated scale

Soil Vapour (ppm)
10^1 10^2 10^3 10^4

BENTONITE

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

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Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-30

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Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	19.766	Borehole Logged By:	ZL/GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	n/a	Date Drilled:	2018 12 15
Pipe/Slotted Pipe Dia. (m)	none/none	Northing: 5509465.612	Easting: 362445.205	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND, silty, brown, loose, moist, some organics/rootlets.			30-01		0	
	Below 0.3 m - grey/brown, no organics.			30-02		0	
	SAND, fine grained, some silt, trace gravel, fine, subrounded, grey/brown, mottled, dense.			30-03		0	
1				30-04		75	
	Below 1.8 m - very dense.			30-05		55	
2				30-06		15	
3	Bottom of hole at 3.1 m.						

Reading within indicated scale
Reading outside indicated scale
Soil Vapour (ppm): 10^1 10^2 10^3 10^4

BENTONITE

NOTES
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Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-31

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Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Solid Stem Auger	Ground Surface Elev. (m)	17.673	Borehole Logged By:	ZL/GG
Borehole Dia. (m)	0.20	Top of Casing Elev. (m)	18.843 18.826	Date Drilled:	2018 12 13
Pipe/Slotted Pipe Dia. (m)	0.03/0.03	Northing: 5509377.092	Easting: 362328.988	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Auger Flight

Water/ Levels
- Water Level 1
- Water Level 2

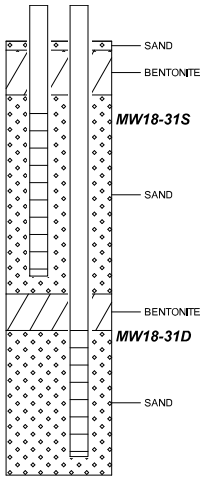
Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW18-31S
Well Name 2: MW18-31D

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND, medium grained, some silt, trace gravel, coarse, subrounded, brown, loose, moist, trace organics.			31-01			0
1	SAND, fine grained, silty, orange/brown, mottled, dense, damp.			31-02			0
				31-03			0
2				31-04			
	SAND, fine grained, silty, trace gravel, coarse, subrounded, grey, dense, damp.			31-05			
3				31-06			
	Bottom of hole at 3.7 m.						
4							
5							
6							
7							
8							
9							
10							

Soil Vapour (ppm): 10^1 10^2 10^3 10^4



NOTES
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QA TP 2019 02 26 Print Date:2019-03-26

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Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-32

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Solid Stem Auger	Ground Surface Elev. (m)	16.759	Borehole Logged By:	ZL
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	17.905 17.906	Date Drilled:	2018 12 15
Pipe/Slotted Pipe Dia. (m)	0.03/0.03	Northing: 5509697.763	Easting: 362346.943	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Auger Flight

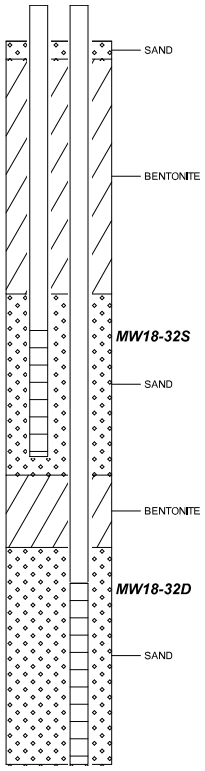
Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW18-32S
Well Name 2: MW18-32D

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND (FILL), some silt, trace gravel, coarse, subrounded, brown, loose, damp, some organics.			32-01		0	0
	SAND, fine to medium grained, silty, grey/brown, mottled orange, moist.			32-02		0	0
1				32-03		0	0
				32-04		70	
				32-05			
2				32-06		0	0
	Below 2.4 m - trace silt, damp.			32-07		0	0
3							
				32-08		0	0
4	SAND, fine grained, trace gravel, fine and coarse, subrounded, grey, dense, damp. Below 4.6 m - grey/brown.			32-09		0	0
				32-10		0	0
5							
				32-11		0	0
6	Bottom of hole at 6.1 m.						
7							
8							
9							
10							



NOTES
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QA TP 2019 02 26 Print Date:2019-03-26

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Client: **Public Services and Procurement Canada**	**Borehole No. : BH18-33D**
Location: **CFB Comox**	PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	18.542	Borehole Logged By:	ZL/GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	19.705	Date Drilled:	2018 12 14
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509606.791	Easting: 362401.014	Log Typed By:	NDS

Drilling Legend: Sample Interval; Vac. Extraction; Vibrasonic

Water/ Levels: Water Level 1; Water Level 2

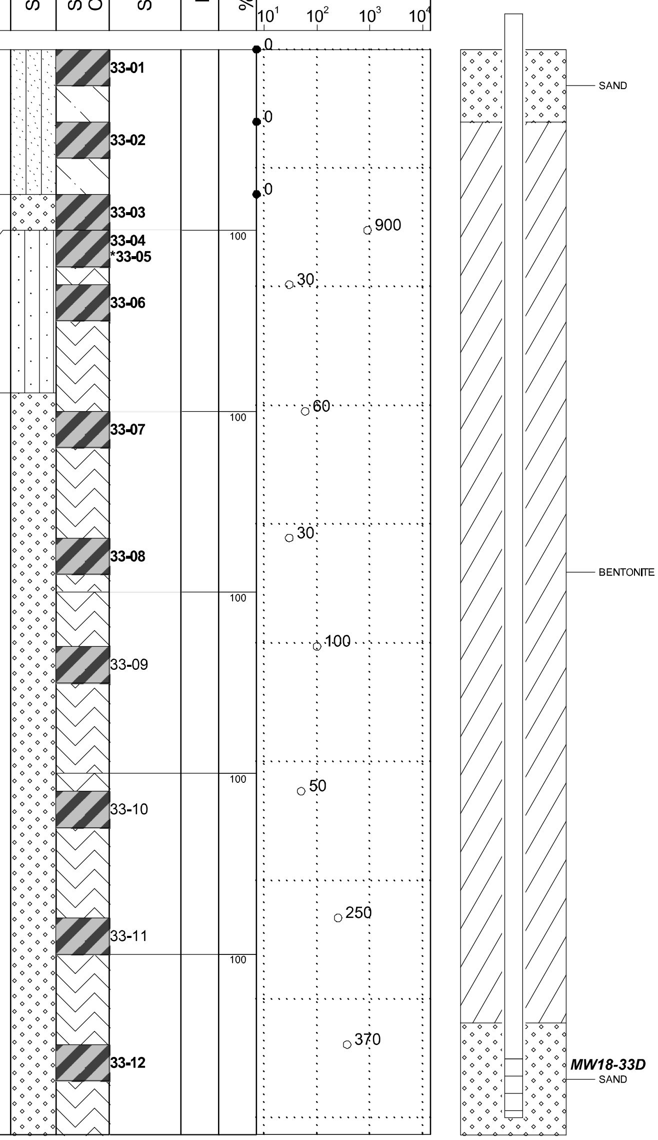
○ Reading within indicated scale
● Reading outside indicated scale

Solid PVC; Slotted PVC

Well Name 1: MW18-33D

Columns: Depth in Metres | Soil Description | Stratigraphy Plot | Sample Interval Core Run | Sample Number | Blow Count | % Recovery | Soil Vapour (ppm)

Depth (m)	Soil Description
0	SAND, some silt, brown, loose, damp, some organics/rootlets.
	Below 0.6 m - no organics.
	SAND, medium grained, trace gravel, subrounded, grey, dense, moist.
	SILT, some sand, fine grained, blue/grey, mottled orange, stiff, damp, hydrocarbon-like odour, staining (lenses). Below 1.8 m - no mottling, no staining.
3	SAND, fine grained, some gravel, fine and coarse, subrounded, trace silt, brown, very dense, moist, lenses with some silt.
	Below 3.7 m - blue/grey.
5	At 5.0 m - sand lense (0.05 m), fine to medium grained.
9.1	Bottom of hole at 9.1 m.



NOTES
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QA TP 2019 02 26 Print Date:2019-03-26

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-33S

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	18.542	Borehole Logged By:	ZL/GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	n/a	Date Drilled:	2018 12 14
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509606.791	Easting: 362401.014	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW18-33S

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	SAND, some silt, brown, loose, damp, some organics/rootlets.						
	Below 0.6 m - no organics.						
1	SAND, medium grained, trace gravel, subrounded, grey, dense, moist.						
	SILT, some sand, fine grained, blue/grey, mottled orange, stiff, damp, hydrocarbon-like odour, staining (lenses).						
2	Below 1.8 m - no mottling, no staining.						
3	SAND, fine grained, some gravel, fine and coarse, subrounded, trace silt, brown, very dense, moist, lenses with some silt.						
	Below 3.7 m - blue/grey.						
4							
5	At 5.0 m - sand lense (0.05 m), fine to medium grained.						
6	Bottom of hole at 6.3 m.						
7							
8							
9							
10							

SAND
BENTONITE
MW18-33S
SAND

NOTES
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QA TP 2019 02 26 Print Date:2019-03-26

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-34

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	18.859	Borehole Logged By:	ZL/GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	19.905 19.939	Date Drilled:	2018 12 15
Pipe/Slotted Pipe Dia. (m)	0.03/0.03	Northing: 5509553.307	Easting: 362373.986	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW18-34S
Well Name 2: MW18-34D

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND, fine to medium grained, some silt, trace gravel, coarse, subrounded, brown, loose, damp, some organics/rootlets.			34-01		0	
	Below 0.6 m - mottled, trace organics.			**34-02**		0	
1	SAND, fine grained, trace gravel, coarse, subrounded, trace silt, grey/brown, mottled orange, very dense.			**34-03**		0	
				34-04		0	
2				**34-05**		0	
3							
4				34-06		0	
5	SAND, fine grained, trace gravel, coarse, subrounded, trace silt, trace cobbles, subrounded, grey, very dense.						290
				34-07			
6	Below 6.1 m - some gravel, some cobbles.						1650
				34-08			
7							950
				34-09			
8							940
				34-10			
9				*34-11			
	Bottom of hole at 9.1 m.						
10							

Soil Vapour (ppm): 10^1 10^2 10^3 10^4

SAND
BENTONITE
MW18-34S
SAND
BENTONITE
MW18-34D
SAND

NOTES
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QA TP 2019 02 26 Print Date:2019-03-26

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-35

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Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	19.006	Borehole Logged By:	ZL/GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	n/a	Date Drilled:	2018 12 15
Pipe/Slotted Pipe Dia. (m)	none/none	Northing: 5509516.816	Easting: 362403.312	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND and GRAVEL (FILL), coarse grained sand, coarse gravel, subrounded, dense, damp.			35-01			0
0.6	SAND, some silt, brown, loose, moist, some organics.			35-02			0
1.4	SAND, fine grained, some silt, trace gravel, fine and coarse, subrounded, brown, mottled grey, dense, damp, sulphur odour.			35-03			20
				35-04			
2.3	Below 2.3 m - grey.			35-05			420
3.1	Bottom of hole at 3.1 m.						

Reading within indicated scale
Reading outside indicated scale

Soil Vapour (ppm): 10^1 10^2 10^3 10^4

BENTONITE

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 02 26 Print Date:2019-03-26

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-36

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Drilling Contractor	Blue Max Drilling Inc.	Date Monitored	n/a	Project Number:	658394
Drilling Method	Solid Stem Auger	Ground Surface Elev. (m)	20.845	Borehole Logged By:	GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	n/a	Date Drilled:	2018 12 17
Pipe/Slotted Pipe Dia. (m)	none/none	Northing: 5509574.623	Easting: 362496.194	Log Typed By:	NDS

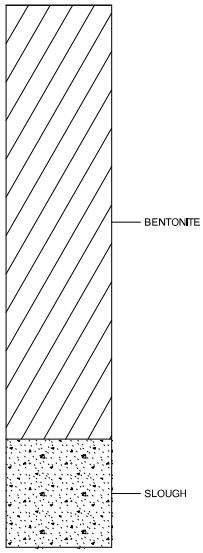
Drilling Legend
- Sample Interval
- Auger Flight

Water/ Levels
- Water Level 1
- Water Level 2

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND (FILL), fine grained, some silt, brown, loose, damp, rootlets.			36-01		0	
	SILT (FILL), sandy, fine grained, some gravel, fine, subrounded, light brown/dark brown, soft, damp.						
1	Below 0.9 m - moist.			36-02		0	
	Below 1.5 m - fine to medium grained sand, wet.						1320
2				36-03 *36-04			
							1050
3	SAND, fine grained, some gravel, fine and coarse, subrounded, trace silt, brown, very dense, damp.			36-05			
	Below 3.2 m - blue/grey, moist.						100
				36-06			
4				36-07		0	
	Bottom of hole at 4.6 m.						
5							
6							
7							
8							
9							
10							

Reading within indicated scale
Reading outside indicated scale

Soil Vapour (ppm)
10^1 10^2 10^3 10^4



NOTES
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QA TP 2019 02 26 Print Date:2019-03-26

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-37

PAGE 1 OF 1

Drilling Contractor	Blue Max Drilling Inc.	Date Monitored	n/a	Project Number:	658394
Drilling Method	Solid Stem Auger	Ground Surface Elev. (m)	20.971	Borehole Logged By:	GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	n/a	Date Drilled:	2018 12 17
Pipe/Slotted Pipe Dia. (m)	none/none	Northing: 5509595.721	Easting: 362501.574	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Auger Flight

Water/ Levels
- Water Level 1
- Water Level 2

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND (FILL), fine to coarse grained, some silt to silty, trace gravel, fine, subrounded, brown, loose, damp.			37-01		0	
1				**37-02**		15	
2	SILT, some sand, fine grained, light grey, mottled brown, stiff, damp. Below 2.4 m - light brown.			37-03		0	
3	Bottom of hole at 3.1 m.			**37-04**		0	
4							
5							
6							
7							
8							
9							
10							

Reading within indicated scale
Reading outside indicated scale

Soil Vapour (ppm): 10^1 10^2 10^3 10^4

BENTONITE

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 02 26 Print Date:2019-03-26

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Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-38D

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Solid Stem Auger	Ground Surface Elev. (m)	17.852	Borehole Logged By:	ZL
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	18.920	Date Drilled:	2018 12 18
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509605.031	Easting: 362614.218	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Auger Flight

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Soil Vapour (ppm)

Solid PVC
Slotted PVC

Well Name 1: MW18-38D

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND, fine to medium grained, silty, brown, dense, some organics.			38-01			0
				38-02			0
1	SILT and SAND, fine grained, brown, loose, wet.			38-03			0
	Below 1.5 m - SAND, some silt, medium dense.						
2				38-04			2750
							1650
3	Bottom of hole at 3.1 m.			38-05			
4							
5							
6							
7							
8							
9							
10							

SAND
BENTONITE
MW18-38D
SAND

NOTES
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QA TP 2019 02 26 Print Date:2019-03-26

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Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-38S

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Drilling Contractor	H2X Contracting Ltd.	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac	Ground Surface Elev. (m)	17.852	Borehole Logged By:	ZL
Borehole Dia. (m)	0.25	Top of Casing Elev. (m)	18.872	Date Drilled:	2018 12 18
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509605.309	Easting: 362616.332	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction

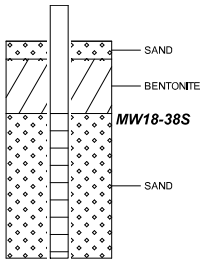
Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW18-38S

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	SAND, fine to medium grained, silty, brown, dense, some organics.						
1	SILT and SAND, fine grained, brown, loose, wet.						
	Below 1.5 m - SAND, some silt, medium dense.						
2	Bottom of hole at 1.8 m.						
3							
4							
5							
6							
7							
8							
9							
10							



NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

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Location
CFB Comox

Borehole No. : BH18-39

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Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Solid Stem Auger	Ground Surface Elev. (m)	19.267	Borehole Logged By:	ZL
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	n/a	Date Drilled:	2018 12 18
Pipe/Slotted Pipe Dia. (m)	none/none	Northing: 5509547.619	Easting: 362529.820	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Auger Flight

Water/ Levels
- Water Level 1
- Water Level 2

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)	
0	SILT, some sand, medium grained, trace clay, grey, stiff, damp, trace rootlets. Below 0.3 m - no rootlets.			39-01			0	
				39-02			0	
1				39-03			0	
				39-04			0	
	SAND, fine grained, silty, light brown, medium dense, wet.			39-05			400	
2	Below 2.0 m - some silt, dense, moist.			39-06			360	
				39-07			220	
3	Bottom of hole at 3.1 m.							BENTONITE
4								
5								
6								
7								
8								
9								
10								

Reading within indicated scale
Reading outside indicated scale
Soil Vapour (ppm)
10^1 10^2 10^3 10^4

NOTES
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Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-40

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Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Solid Stem Auger	Ground Surface Elev. (m)	16.605	Borehole Logged By:	ZL/GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	n/a	Date Drilled:	2018 12 19
Pipe/Slotted Pipe Dia. (m)	none/none	Northing: 5509683.674	Easting: 362441.987	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Auger Flight

Water/ Levels
- Water Level 1
- Water Level 2

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SILT, some sand, fine grained, brown, firm, moist, some organics/rootlets. Below 0.3 m - trace organics/rootlets.			40-01		0	
				40-02		0	
	SILT, sandy, fine grained, trace gravel, coarse, subrounded, grey, stiff, damp.			40-03		0	
1	Below 1.2 m - trace cobbles, rounded to subrounded.						
	SAND, fine grained, some silt, trace gravel, fine and coarse, subrounded, light brown, medium dense, damp.			40-04			450
2				*40-05			
				40-06		0	
3	Below 3.4 m - some gravel, trace silt, dense, wet.						
	Below 3.8 m - blue/grey.			40-07		0	
4				40-08		0	
				40-09		0	
5							
				40-10		0	
6	Bottom of hole at 6.1 m.						
7							
8							
9							
10							

Reading within indicated scale
Reading outside indicated scale

Soil Vapour (ppm): 10^1 10^2 10^3 10^4

BENTONITE

NOTES
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Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-41D

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Drilling Contractor	Blue Max Drilling Inc.	Date Monitored	n/a	Project Number:	658394
Drilling Method	Solid Stem Auger	Ground Surface Elev. (m)	13.590	Borehole Logged By:	GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	14.697	Date Drilled:	2018 12 17
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509964.316	Easting: 362273.962	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Auger Flight

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Soil Vapour (ppm)

Solid PVC
Slotted PVC

Well Name 1: MW18-41D

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND, fine grained, silty, brown, loose, moist, rootlets.			41-01			0
1	Below 0.6 m - some silt, light brown, medium dense, damp.			41-02			
2	Below 1.5 m - trace silt, dense, wet.			41-03			
3				41-04			
	Bottom of hole at 3.1 m.						

SAND
BENTONITE
MW18-41D
SAND

NOTES
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Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-41S

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Drilling Contractor	Blue Max Drilling Inc.	Date Monitored	n/a	Project Number:	658394
Drilling Method	Solid Stem Auger	Ground Surface Elev. (m)	13.590	Borehole Logged By:	GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	14.781	Date Drilled:	2018 12 17
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509964.316	Easting: 362273.962	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Auger Flight

Water/ Levels
- Water Level 1
- Water Level 2

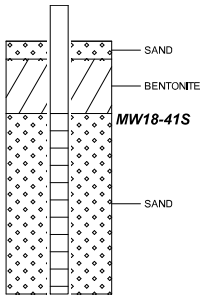
Reading within indicated scale
Reading outside indicated scale

Soil Vapour (ppm)

Solid PVC
Slotted PVC

Well Name 1: MW18-41S

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery
0	SAND, fine grained, silty, brown, loose, moist, rootlets.					
1	Below 0.6 m - some silt, light brown, medium dense, damp.					
2	Below 1.5 m - trace silt, dense, wet.					
	Bottom of hole at 2.1 m.					



NOTES
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Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-42D

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Drilling Contractor	Blue Max Drilling Inc.	Date Monitored	n/a	Project Number:	658394
Drilling Method	Solid Stem Auger	Ground Surface Elev. (m)	13.857	Borehole Logged By:	GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	15.043	Date Drilled:	2018 12 17
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509960.927	Easting: 362365.589	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Auger Flight

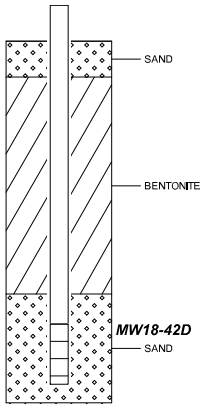
Water/ Levels
- Water Level 1
- Water Level 2

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND, fine to medium grained, trace silt, brown, loose, wet, rootlets.			42-01			
1	SILT, some sand, fine grained, light brown, mottled orange, firm, moist to wet.			42-02			
2				42-03			
3	SAND, fine to medium grained, some gravel, fine and coarse, subrounded, trace silt, blue/grey, very dense, moist to wet.			42-04			150
	Bottom of hole at 3.1 m.						

Soil Vapour (ppm): ○ Reading within indicated scale; ● Reading outside indicated scale; 10^1 10^2 10^3 10^4

Solid PVC
Slotted PVC

Well Name 1: MW18-42D



NOTES
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Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-42S

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Drilling Contractor	Blue Max Drilling Inc.	Date Monitored	n/a	Project Number:	658394
Drilling Method	Solid Stem Auger	Ground Surface Elev. (m)	13.857	Borehole Logged By:	GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	14.950	Date Drilled:	2018 12 17
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509960.927	Easting: 362365.589	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Auger Flight

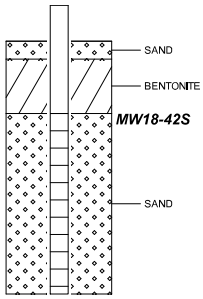
Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW18-42S

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	SAND, fine to medium grained, trace silt, brown, loose, wet, rootlets.						
1	SILT, some sand, fine grained, light brown, mottled orange, firm, moist to wet.						
2	Bottom of hole at 2.1 m.						
3							
4							
5							
6							
7							
8							
9							
10							



NOTES
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Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-43D

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Drilling Contractor	Blue Max Drilling Inc.	Date Monitored	n/a	Project Number:	658394
Drilling Method	Solid Stem Auger	Ground Surface Elev. (m)	13.298	Borehole Logged By:	GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	14.409	Date Drilled:	2018 12 17
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509954.847	Easting: 362502.698	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Auger Flight

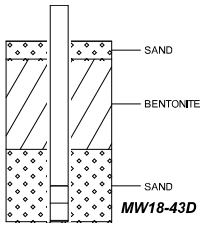
Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW18-43D

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND, medium grained, some peat/organics, dark brown, loose, wet.			43-01			0
1	SILT, some sand, fine grained.			43-02			0
	Bottom of hole at 1.5 m.						



NOTES
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Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-43S

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Drilling Contractor	Blue Max Drilling Inc.	Date Monitored	n/a	Project Number:	658394
Drilling Method	Solid Stem Auger	Ground Surface Elev. (m)	13.298	Borehole Logged By:	GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	14.338	Date Drilled:	2018 12 17
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509954.847	Easting: 362502.698	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Auger Flight

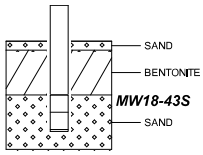
Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW18-43S

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	SAND, medium grained, some peat/organics, dark brown, loose, wet.						
	SILT, some sand, fine grained.						
1	Bottom of hole at 0.9 m.						
2							
3							
4							
5							
6							
7							
8							
9							
10							



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Location
CFB Comox

Borehole No. : BH18-44M_DD

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Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Solid Stem Auger	Ground Surface Elev. (m)	18.130	Borehole Logged By:	ZL/GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	19.079 19.087	Date Drilled:	2018 12 18
Pipe/Slotted Pipe Dia. (m)	0.03/0.03	Northing: 5509448.742	Easting: 362225.078	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Auger Flight

Water/ Levels
- Water Level 1
- Water Level 2

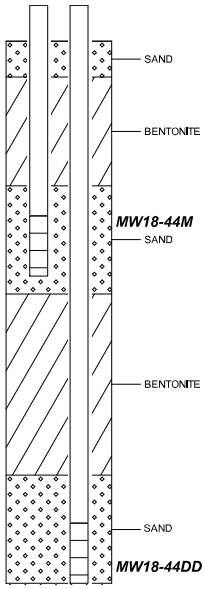
Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW18-44M
Well Name 2: MW18-44DD

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SILT, some sand, fine grained, brown, soft, moist, some organics/rootlets.			**44-01**		0	0
1	SILT, some sand, fine grained, trace gravel, fine, subrounded, grey, oxidized orange, stiff, damp.			**44-02**			
	SAND, fine grained, some silt, trace gravel, fine and coarse, subrounded, light brown, dense, moist.			44-03		0	0
2				44-04		0	0
3				**44-05**		0	0
4				44-06		0	0
	Bottom of hole at 4.6 m.						
5							
6							
7							
8							
9							
10							

10^1 10^2 10^3 10^4



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Client
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Location
CFB Comox

Borehole No. : BH18-44S_D

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Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Solid Stem Auger	Ground Surface Elev. (m)	18.130	Borehole Logged By:	ZL/GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	19.216 19.236	Date Drilled:	2018 12 18
Pipe/Slotted Pipe Dia. (m)	0.03/0.03	Northing: 5509450.123	Easting: 362224.526	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Auger Flight

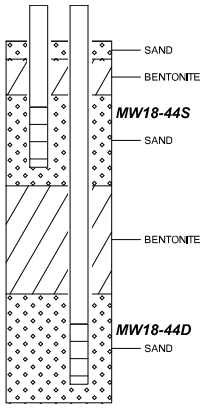
Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW18-44S
Well Name 2: MW18-44D

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	SILT, some sand, fine grained, brown, soft, moist, some organics/rootlets.						
1	SILT, some sand, fine grained, trace gravel, fine, subrounded, grey, oxidized orange, stiff, damp.						
2	SAND, fine grained, some silt, trace gravel, fine and coarse, subrounded, light brown, dense, moist.						
3	Bottom of hole at 3.1 m.						
4							
5							
6							
7							
8							
9							
10							



NOTES
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Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-45

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Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Solid Stem Auger	Ground Surface Elev. (m)	19.326	Borehole Logged By:	ZL/GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	n/a	Date Drilled:	2018 12 18
Pipe/Slotted Pipe Dia. (m)	none/none	Northing: 5509569.548	Easting: 362460.968	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Auger Flight

Water/ Levels
- Water Level 1
- Water Level 2

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND, fine to medium grained, some silt, brown, loose, damp, some organics/rootlets.			**45-01**		0	
	SILT, trace sand, fine grained, grey, mottled orange, stiff, damp.			45-02		0	
1	PEAT, trace silt, brown, soft, wet.			45-03		0	
	SILT, some sand, fine grained, blue/grey, mottled orange, stiff, wet.			**45-04**		0	
2				**45-05**		0	
				45-06		0	
3	Bottom of hole at 3.1 m.						

Reading within indicated scale
Reading outside indicated scale

Soil Vapour (ppm): 10^1 10^2 10^3 10^4

BENTONITE

NOTES
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Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-46

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Drilling Contractor	Blue Max Drilling Inc.	Date Monitored	n/a	Project Number:	658394
Drilling Method	Solid Stem Auger	Ground Surface Elev. (m)	14.468	Borehole Logged By:	GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	15.432 15.437	Date Drilled:	2018 12 18
Pipe/Slotted Pipe Dia. (m)	0.03/0.03	Northing: 5509876.738	Easting: 362445.625	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Auger Flight

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW18-46S
Well Name 2: MW18-46D

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	SAND, fine to medium grained, trace silt, light brown, loose, wet.			46-01			0
	Below 0.6 m - silty.			46-02			0
1	SILT, some sand, fine grained, trace gravel, fine, subrounded, light brown, oxidized orange, firm, moist, sand lenses.			46-03			0
				46-04			0
2	SAND, fine to medium grained, trace silt, blue/grey, dense, damp.						
				46-05			0
3	Bottom of hole at 3.4 m.						
4							
5							
6							
7							
8							
9							
10							

SAND
BENTONITE
MW18-46S
SAND
BENTONITE
MW18-46D
SAND

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 02 26 Print Date:2019-03-26

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-47M

PAGE 1 OF 1

Drilling Contractor	Blue Max Drilling Inc.	Date Monitored	n/a	Project Number:	658394
Drilling Method	Solid Stem Auger	Ground Surface Elev. (m)	13.431	Borehole Logged By:	GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	14.412	Date Drilled:	2018 12 18
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509849.282	Easting: 362570.052	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Auger Flight

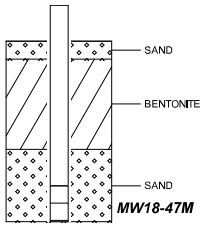
Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW18-47M

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	SAND, fine to medium grained, trace silt, light brown, mottled orange, loose, moist.						
1	Below 0.5 m - wet.						
2	Below 1.5 m - blue/grey. Bottom of hole at 1.5 m.						
3							
4							
5							
6							
7							
8							
9							
10							



NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 02 26 Print Date:2019-03-26

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH18-47S_D

PAGE 1 OF 1

Drilling Contractor	Blue Max Drilling Inc.	Date Monitored	n/a	Project Number:	658394
Drilling Method	Solid Stem Auger	Ground Surface Elev. (m)	13.431	Borehole Logged By:	GG
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	14.407 14.418	Date Drilled:	2018 12 18
Pipe/Slotted Pipe Dia. (m)	0.03/0.03	Northing: 5509849.922	Easting: 362569.663	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Auger Flight

Water/ Levels
- Water Level 1
- Water Level 2

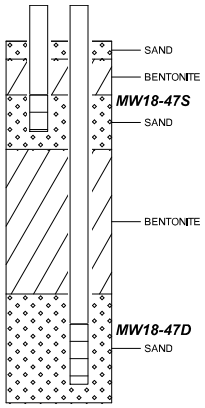
Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW18-47S
Well Name 2: MW18-47D

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND, fine to medium grained, trace silt, light brown, mottled orange, loose, moist.			47-01			15
	Below 0.5 m - wet.						40
1				47-02			
	Below 1.5 m - blue/grey.						30
2				47-03			
							60
3				47-04			
	Bottom of hole at 3.1 m.						
4							
5							
6							
7							
8							
9							
10							

Soil Vapour (ppm) scale: 10^1 10^2 10^3 10^4



NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 02 26 Print Date:2019-03-26

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-48

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Drilling Contractor	H2X Contracting Ltd.	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac	Ground Surface Elev. (m)	17.860	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.25	Top of Casing Elev. (m)	n/a	Date Drilled:	2019 03 04
Pipe/Slotted Pipe Dia. (m)	none/none	Northing: 5509676.052	Easting: 362510.307	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction

Water/ Levels
- Water Level 1
- Water Level 2

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	ORGANICS, sandy, fine grained, some gravel, fine, subangular, brown, loose, damp, rootlets.			48-01			
1	SAND, fine to medium grained, some silt, some clay, some gravel, fine, subrounded to subangular, grey/brown, very dense, damp. Below 0.9 m - trace gravel, dense. Below 1.5 m - trace cobbles. Below 1.8 m - refusal (boulder).			48-02 48-03 48-04 48-05			
2	Bottom of hole at 1.8 m.						
3							
4							
5							
6							
7							
8							
9							
10							

Soil Vapour (ppm): 10^1 10^2 10^3 10^4

- ○ Reading within indicated scale
- ● Reading outside indicated scale

BENTONITE

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-49

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	14.149	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	15.203	Date Drilled:	2019 03 05
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509961.316	Easting: 362346.943	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW19-49

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	ORGANICS, sandy, some silt, some gravel, fine, orange/brown, loose, damp, rootlets.			49-01			
0.5	SAND, fine to medium grained, some silt, trace clay, trace gravel, fine and coarse, subrounded to subangular, grey/brown, dense, damp.			49-02			
1				49-03			
2				49-04 *49-05			
2.5	SAND, fine to medium grained, trace silt, trace gravel, fine, grey, dense, damp.						
3	Below 3.0 m - some gravel, fine and coarse.			49-06			
4				49-07			
4.6	Bottom of hole at 4.6 m.			49-08			

CONCRETE
SAND
BENTONITE
MW19-49
SAND

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-50

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Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	20.205	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	21.218	Date Drilled:	2019 03 05
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509468.834	Easting: 362570.286	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

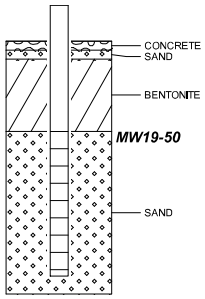
Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW19-50

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	SAND, fine to coarse grained, some gravel, fine and coarse, subrounded to subangular, brown, medium dense, damp, abundant organics, rootlets.			50-01			
1	SAND, fine to coarse grained, some silt, some gravel, fine and coarse, brown, dense, moist, trace organics.			50-02			
	SAND and COBBLES, fine to coarse grained sand, some silt, brown, very dense.			50-03			
2	Bottom of hole at 2.1 m.			50-04			



3 4 5 6 7 8 9 10

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

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SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-51

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	14.372	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	15.320	Date Drilled:	2019 03 05
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509879.788	Easting: 362451.253	Log Typed By:	NDS

Drilling Legend: Sample Interval; Vac. Extraction; Vibrasonic

Water/ Levels: Water Level 1; Water Level 2

Reading within indicated scale; Reading outside indicated scale

Soil Vapour (ppm): 10^1 10^2 10^3 10^4

Solid PVC; Slotted PVC

Well Name 1: MW19-51

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery
0	SAND, fine to coarse grained, some silt, dark brown/black, loose, wet, abundant organics.			51-01		
1	SILT and SAND, fine to coarse grained, grey/light brown, medium dense, wet.			51-02		
	Below 1.5 m - mottled.			51-03		100
2	SAND, fine to medium grained, some silt, some gravel, fine and coarse, subrounded to subangular, grey/brown, dense, damp.			51-04		
	Below 2.4 m - grey.			51-05		100
3				51-06		
4				51-07		
	Below 4.6 m - fine to coarse grained sand, trace cobbles, moist.			51-08 *51-09		
5	Bottom of hole at 5.5 m.					
6						
7						
8						
9						
10						

CONCRETE
SAND
BENTONITE
MW19-51
SAND

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-52

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	15.886	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	16.831	Date Drilled:	2019 03 05
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509803.452	Easting: 362309.527	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

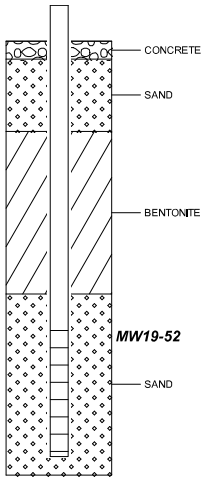
Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW19-52

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	SAND, fine to coarse grained, some gravel, fine and coarse, subrounded to subangular, trace cobbles, subrounded, brown, loose, moist, abundant organics, abundant rootlets.			52-01			
1	SAND, fine to coarse grained, some silt, some gravel, fine and coarse, subrounded to subangular, grey/brown, medium dense, wet.			52-02			
	SAND, fine to coarse grained, some silt, some gravel, fine and coarse, subrounded to subangular, brown, dense, damp.			52-03		100	
2				52-04			
3	Below 3.0 m - grey.			52-05 *52-06			
	Bottom of hole at 3.7 m.						
4							
5							
6							
7							
8							
9							
10							



NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-53

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	16.504	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	n/a	Date Drilled:	2019 03 05
Pipe/Slotted Pipe Dia. (m)	none/none	Northing: 5509731.142	Easting: 362390.225	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Soil Vapour (ppm)
10^1 10^2 10^3 10^4

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery
0	SAND, fine to coarse grained, some gravel, fine and coarse, subrounded to subangular, brown/dark brown, loose, moist, abundant organics, abundant rootlets.			53-01		
	Below 0.6 m - some silt, oxidized, trace organics.			53-02		
1	SILT and SAND, fine to coarse grained, some gravel, subrounded to rounded, light brown, firm/dense, wet.			53-03		
				53-04		
	Below 1.5 m - very dense, consolidated.			53-05		
2				53-06		
				53-07		
3	Bottom of hole at 3.1 m.			*53-08		
4						
5						
6						
7						
8						
9						
10						

BENTONITE

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate. Well installed with hollow stem auger.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-54

PAGE 1 OF 2

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	18.454	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	19.549	Date Drilled:	2019 03 06
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509608.094	Easting: 362398.472	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW19-54

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	SAND, fine to coarse grained, some silt, some gravel, fine and coarse, subrounded to rounded, brown, loose, moist, abundant organics, abundant rootlets.			54-01			
	Below 0.6 m - decreased silt, oxidized, trace organics.			54-02			
1	SAND, fine to medium grained, some silt, trace gravel, fine and coarse, grey/brown, mottled, dense, damp.			54-03			
2				54-04	100		
	Below 2.4 m - no mottling.						
3	Below 3.0 m - grey.			54-05			
4				54-06			
5				54-07			
6				54-08			
7				54-09	100		
				54-10			
8				54-11			
				54-12			
				*54-13			
9					100		
				54-14	100		
10				54-15			

CONCRETE
SAND
BENTONITE

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-54

PAGE 2 OF 2

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	18.454	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	19.549	Date Drilled:	2019 03 06
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509608.094	Easting: 362398.472	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW19-54

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
10	SAND, fine to medium grained, some silt, trace gravel, fine and coarse, grey/brown, mottled, dense, damp. *(continued)*			54-15			
11				54-16			
12	Below 12.2 m - medium dense, moist to wet.			54-17			
13				54-18			
				54-19 *54-20			
	Bottom of hole at 13.1 m.						
14							
15							
16							
17							
18							
19							
20							

BENTONITE
MW19-54
SAND

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-55

PAGE 1 OF 2

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	18.471	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	19.438	Date Drilled:	2019 03 06
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509605.464	Easting: 362398.714	Log Typed By:	NDS

Drilling Legend: Sample Interval; Vac. Extraction; Vibrasonic

Water/ Levels: Water Level 1; Water Level 2

Reading within indicated scale; Reading outside indicated scale

Solid PVC; Slotted PVC

Well Name 1: MW19-55

Depth (m)	Soil Description	Sample Number	Blow Count	% Recovery
0	ORGANICS, sandy, some silt, some gravel, fine and coarse, subrounded, brown, moist, rootlets.	55-01		
0.4	SILT and SAND, orange, medium dense, wet.	55-02		
1				
1.5	SILT, sandy, fine to medium grained, trace gravel, fine, brown, moist.	55-03		
2			100	
2.5	SAND, fine to medium grained, some silt, trace gravel, fine, grey, dense, moist. Below 2.7 m - mottled.	55-04 *55-05		
3			100	
		55-06		
	Below 3.7 m - some gravel, fine and coarse, orange.	55-07		
4				
	Below 4.9 m - decreased silt, grey.	55-08		
5		55-09		
6			100	
		55-10		
7		55-11		
8		55-12		
			100	
		55-13		
9				
		55-14		
10				

Soil Vapour (ppm): 10^1 10^2 10^3 10^4

CONCRETE
SAND
BENTONITE
SAND

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-55

PAGE 2 OF 2

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	18.471	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	19.438	Date Drilled:	2019 03 06
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509605.464	Easting: 362398.714	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

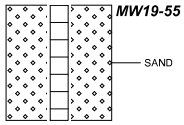
Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW19-55

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
10	SAND, fine to medium grained, some silt, trace gravel, fine, grey, dense, moist. *(continued)*		55-15				
11	Bottom of hole at 11.0 m.						
12							
13							
14							
15							
16							
17							
18							
19							
20							



NOTES
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SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-56

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	13.507	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	14.381	Date Drilled:	2019 03 06
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509955.506	Easting: 362494.416	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW19-56

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	SAND, fine to coarse grained, some silt, some gravel, fine and coarse, subrounded to rounded, brown, medium dense, moist, abundant organics, abundant rootlets.			56-01			
1	SAND, fine to medium grained, some silt, light brown, mottled, oxidized, medium dense, moist.			56-02			
				56-03			
	Below 1.5 m - SILT and SAND.					100	
2	Below 1.8 m - trace gravel, fine and coarse, subrounded, grey.			56-04			
				56-05			
3				56-06			
	Bottom of hole at 3.5 m.						
4							
5							
6							
7							
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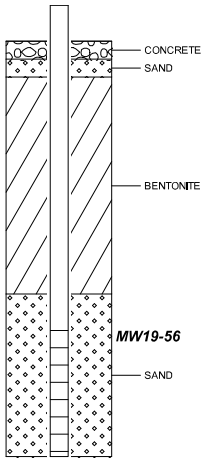
9							
10							



NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-57

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	13.546	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	14.282	Date Drilled:	2019 03 06
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509955.457	Easting: 362494.575	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW19-57

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	SAND, fine to coarse grained, some silt, dark brown, medium dense, moist, abundant organics, abundant rootlets.			57-01			
1	GRAVEL, subrounded to rounded, some cobbles, rounded to subrounded, trace silt, brown, medium dense, wet.			57-02			
2				57-03			
	Bottom of hole at 2.1 m.						

CONCRETE
SAND
BENTONITE
MW19-57
SAND

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-58

PAGE 1 OF 2

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	18.709	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	19.794	Date Drilled:	2019 03 07
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509559.038	Easting: 362408.325	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Soil Vapour (ppm)

Solid PVC
Slotted PVC

Well Name 1: MW19-58

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery
0	SAND, fine to coarse grained, some gravel, fine and coarse, subrounded to rounded, brown, loose, trace organics.			58-01		
	SAND, fine to coarse grained, some silt, grey/brown, very dense, consolidated, damp.					
1	Below 0.9 m - some gravel, subangular to subrounded.			58-02		
				58-03		
2	Between 1.8 m and 3.0 m - trace gravel, fine and coarse, orange/brown.			58-04 *58-05	100	
				58-06		
3	Below 3.0 m - dense.			58-07	100	
4				58-08		
5				58-09		
6				58-10		
	Below 6.1 m - grey, medium dense, moist.				100	
	Between 6.4 m and 7.3 m - coarse grained sand seams, loose, wet.			58-11		
7				58-12		
8				58-13		
9				58-14		
	Below 9.1 m - some gravel, fine and coarse, dense.				100	
10				58-15 *58-16		

CONCRETE
SAND
BENTONITE

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate. Well installed with hollow stem auger.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-58

PAGE 2 OF 2

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	18.709	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	19.794	Date Drilled:	2019 03 07
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509559.038	Easting: 362408.325	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW19-58

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
10	SAND, fine to coarse grained, some silt, grey/brown, very dense, consolidated, damp. *(continued)*			58-17			
11				58-18			
12				58-19			
	Below 12.2 m - medium dense, moist to wet.						
13				58-20			
14				58-21			
				58-22			
15				58-23			
	Bottom of hole at 15.2 m.						
16							
17							
18							
19							
20							

BENTONITE
MW19-58
SAND

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate. Well installed with hollow stem auger.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-59

PAGE 1 OF 1

Drilling Contractor	Blue Max Drilling Inc.	Date Monitored	n/a	Project Number:	658394
Drilling Method	Vibratory Sonic	Ground Surface Elev. (m)	20.857	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	n/a	Date Drilled:	2019 03 07
Pipe/Slotted Pipe Dia. (m)	none/none	Northing: 5509597.194	Easting: 362512.515	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Soil Vapour (ppm)
10^1 10^2 10^3 10^4

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery
0	SAND, silty, gravelly, fine and coarse, brown, medium dense, damp, rootlets.			59-01		50
1				59-02		
	Below 1.5 m - moist.			**59-03**		
2	SAND, silty, some gravel, fine and coarse, dark grey/brown, medium dense, damp.			**59-04** ***59-05**		
3	SILT and SAND, fine grained, trace gravel, fine and coarse, brown, hard, dry to damp.			59-06		100
				59-07		
4				59-08		
	Bottom of hole at 4.6 m.					
5						
6						
7						
8						
9						
10						

BENTONITE

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-60

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	20.040	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	20.925	Date Drilled:	2019 03 07
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509439.887	Easting: 362476.212	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW19-60

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND, fine to coarse grained, some silt, dark brown, loose, moist, abundant organics, abundant rootlets.			60-01			
1	SAND, fine to coarse grained, some silt, some gravel, fine and coarse, rounded to subangular, light brown, dense, wet.			60-02 60-03			
2	SILT and SAND, fine to medium grained, some gravel, fine and coarse, subrounded, brown, hard, damp. Below 2.4 m - grey/brown.			60-04		100	
3	Bottom of hole at 3.1 m.			60-05 *60-06			
4							
5							
6							
7							
8							
9							
10							

CONCRETE
SAND
BENTONITE
MW19-60

NOTES
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QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-61

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	18.132	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	19.043	Date Drilled:	2019 03 07
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509455.588	Easting: 362286.791	Log Typed By:	NDS

Drilling Legend: Sample Interval; Vac. Extraction; Vibrasonic

Water/ Levels: Water Level 1; Water Level 2

Reading within indicated scale; Reading outside indicated scale

Soil Vapour (ppm): 10^1 10^2 10^3 10^4

Solid PVC; Slotted PVC

Well Name 1: MW19-61

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery
0	SAND, fine to coarse grained, some gravel, fine and coarse, subrounded to subangular, trace cobbles, dark brown, medium dense, moist, some organics.			61-01		
1	SAND and GRAVEL, fine to coarse grained sand, fine and coarse gravel, subrounded to subangular, trace cobbles, dark brown, medium dense, moist.			61-02		
	SAND, fine to coarse grained, some silt, light brown, oxidized, medium dense, moist.			61-03		
2	SILT and SAND, some gravel, fine and coarse, brown, hard.			61-04	100	
3				61-05	100	
4				61-06		
					100	
5				61-07		
				61-08 *61-09		
6				61-10		
7				61-11		
				61-12		
8	Bottom of hole at 8.1 m.					
9						
10						

CONCRETE
SAND
BENTONITE
MW19-61
SAND

NOTES
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QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-62

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	17.391	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	18.535	Date Drilled:	2019 03 07
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509354.015	Easting: 362326.564	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

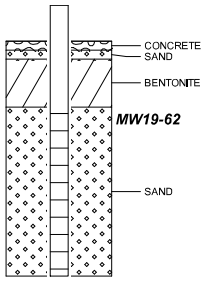
Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW19-62

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	SAND, fine to coarse grained, some gravel, fine and coarse, subrounded to rounded, trace silt, dark brown, loose, moist, some organics.			62-01			
1	SAND, fine to medium grained, some silt, some clay, grey, wet.			62-02			
2	Bottom of hole at 2.0 m.			62-03			
3							
4							
5							
6							
7							
8							
9							
10							



NOTES
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QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-63

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	17.391	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	18.444	Date Drilled:	2019 03 07
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509352.193	Easting: 362327.359	Log Typed By:	NDS

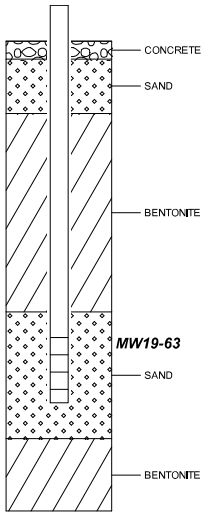
Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Soil Vapour (ppm)
- ○ Reading within indicated scale
- ● Reading outside indicated scale

Well Name 1: MW19-63
- Solid PVC
- Slotted PVC

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery
0	SAND, fine to coarse grained, some gravel, fine and coarse, subrounded to subangular, some silt, dark brown, loose, wet.			63-01		
1	SAND, fine to medium grained, grey, moist.			63-02		
				63-03		
2	SAND, fine to medium grained, silty, grey/brown, mottled, dense, damp.					100
				63-04		
3	Below 3.0 m - no mottling.			*63-05		
				63-06		
4	Bottom of hole at 4.0 m.					
5						
6						
7						
8						
9						
10						



NOTES
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QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-64

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	18.015	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	18.008	Date Drilled:	2019 03 08
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509545.103	Easting: 362263.925	Log Typed By:	NDS

Drilling Legend: Sample Interval; Vac. Extraction; Vibrasonic

Water/ Levels: Water Level 1; Water Level 2

Reading within indicated scale; Reading outside indicated scale

Soil Vapour (ppm): 10^1 10^2 10^3 10^4

Solid PVC; Slotted PVC

Well Name 1: MW19-64

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery
0	ASPHALT, buried.			64-01		
1	SAND, fine to coarse grained, some gravel, fine, dark brown, dense, moist, trace rootlets, wood debris.			64-02		
	SAND, fine to medium grained, trace silt, grey, dense, moist.			64-03		
2	SAND, fine to medium grained, silty, some gravel, fine and coarse, brown, dense, damp.			64-04		
3	At 3.4 m - orange sand inclusions.			64-05		
4				64-06		
5				64-07		
	CLAY, some silt, some sand, fine grained, grey/brown, firm, moist.			64-08		
6	SAND, medium grained, dark grey, dense, damp.			64-09 *64-10		
	Bottom of hole at 6.6 m.					
7						
8						
9						
10						

ROAD BOX
CONCRETE
SAND
BENTONITE
MW19-64
SAND

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-65

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	18.018	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	17.923	Date Drilled:	2019 03 08
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509546.846	Easting: 362263.336	Log Typed By:	NDS

Drilling Legend: Sample Interval; Vac. Extraction; Vibrasonic

Water/ Levels: Water Level 1; Water Level 2

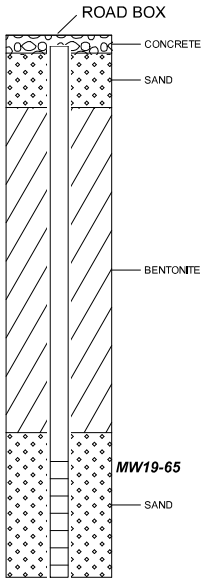
Reading within indicated scale; Reading outside indicated scale

Soil Vapour (ppm) 10^1 10^2 10^3 10^4

Solid PVC; Slotted PVC

Well Name 1: MW19-65

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery
0	ASPHALT, buried.			65-01		
1	SAND, fine to coarse grained, some gravel, fine, dark brown, dense, moist, trace rootlets, wood debris.			65-02		
	SAND, fine to medium grained, trace silt, grey, dense, moist.			65-03		
2	SAND, some silt, trace to some gravel, fine and coarse, subrounded to subangular, brown, dense, damp.			65-04		100
3				65-05		100
4				65-06 *65-07		
	Bottom of hole at 4.6 m.					
5						
6						
7						
8						
9						
10						



NOTES
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QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-66

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	15.074	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	16.090	Date Drilled:	2019 03 07
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509805.206	Easting: 362198.611	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Solid PVC
Slotted PVC

Well Name 1: MW19-66

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	SAND, fine to coarse grained, some gravel, fine and coarse, subrounded to subangular, some silt, brown, medium dense, moist, trace organics.			66-01			
1	SAND, fine to medium grained, some silt, some gravel, fine and coarse, brown, dense, damp.			66-02			
2	Bottom of hole at 2.1 m.			66-03		100	
3							
4							
5							
6							
7							
8							
9							
10							

CONCRETE
BENTONITE
MW19-66
SAND

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-67

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	20.931	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	n/a	Date Drilled:	2019 03 08
Pipe/Slotted Pipe Dia. (m)	none/none	Northing: 5509582.316	Easting: 362513.369	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	SAND, fine to coarse grained, gravelly, fine and coarse, some silt, brown, medium dense, moist.			67-01			
1				**67-02**			
2	SAND, fine to coarse grained, silty, some gravel, fine, dark grey, loose, moist.			67-03			
				67-04			
3	SAND, fine to medium grained, some silt, some gravel, fine, brown, dense, damp.			67-05		100	
4	Below 4.0 m - dry.			**67-06**			
				67-07			
	Bottom of hole at 4.6 m.						
5							
6							
7							
8							
9							
10							

BENTONITE

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-68

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	16.698	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	17.567	Date Drilled:	2019 03 08
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509708.556	Easting: 362312.140	Log Typed By:	NDS

Drilling Legend: Sample Interval; Vac. Extraction; Vibrasonic

Water/ Levels: Water Level 1; Water Level 2

Reading within indicated scale; Reading outside indicated scale

Solid PVC; Slotted PVC

Well Name 1: MW19-68

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0	SAND, fine to coarse grained, trace gravel, fine, dark brown, loose, moist, abundant organics, abundant rootlets.			68-01			
1	SAND, fine to coarse grained, trace gravel, fine, brown, very dense, consolidated, damp.			68-02			
				68-03			
2	SAND, medium grained, trace silt, trace gravel, fine, grey/brown, dense, moist.			68-04 *68-05			
3	Below 3.0 m - decreased silt, grey.			68-06			
	Below 3.7 m - medium dense.			68-07			
4				68-08			
5	Bottom of hole at 5.0 m.						
6							
7							
8							
9							
10							

Soil Vapour (ppm): 10^1 10^2 10^3 10^4

CONCRETE
SAND
BENTONITE
MW19-68
SAND

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-69

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	17.476	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	n/a	Date Drilled:	2019 03 08
Pipe/Slotted Pipe Dia. (m)	none/none	Northing: 5509610.325	Easting: 362317.621	Log Typed By:	NDS

Drilling Legend
- Sample Interval
- Vac. Extraction
- Vibrasonic

Water/ Levels
- Water Level 1
- Water Level 2

Reading within indicated scale
Reading outside indicated scale

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	SAND, fine to coarse grained, some silt, some gravel, fine and coarse, subangular to subrounded, dark brown, loose, moist.			69-01			
	Between 0.5 m and 0.7 m - light brown, oxidized.			69-02			
1	SAND, fine to coarse grained, trace gravel, fine, trace cobble, grey/brown, very dense, consolidated, moist.			69-03			
				69-04			
				69-05		100	
2				69-06 *69-07			
	Bottom of hole at 2.6 m.						
3							
4							
5							
6							
7							
8							
9							
10							

BENTONITE

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 04 09 Print Date:2019-10-23

SNC·LAVALIN

Client
Public Services and Procurement Canada

Location
CFB Comox

Borehole No. : BH19-70

PAGE 1 OF 1

Drilling Contractor	H2X Contracting/Blue Max	Date Monitored	n/a	Project Number:	658394
Drilling Method	Hydrovac/Vibratory Sonic	Ground Surface Elev. (m)	18.961	Borehole Logged By:	CP/TP
Borehole Dia. (m)	0.15	Top of Casing Elev. (m)	19.964	Date Drilled:	2019 03 08
Pipe/Slotted Pipe Dia. (m)	0.05/0.05	Northing: 5509493.980	Easting: 362413.840	Log Typed By:	NDS

Drilling Legend: Sample Interval; Vac. Extraction; Vibrasonic

Water/ Levels: Water Level 1; Water Level 2

Reading within indicated scale; Reading outside indicated scale

Solid PVC; Slotted PVC

Well Name 1: MW19-70

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm) 10^1 10^2 10^3 10^4
0	SAND, fine to coarse grained, some gravel, fine and coarse, dark brown, loose, moist.			70-01			
1	SAND, fine to coarse grained, trace gravel, fine, very dense, consolidated, moist to wet.			70-02			
	Below 1.5 m - hardpan.			70-03			
2	SAND, fine to medium grained, some silt, trace gravel, fine and coarse, brown, dense, damp.			70-04			
3				70-05			
4				70-06			
5				70-07			
				70-08			
6	SAND, medium grained, grey, medium dense, moist.			70-09 *70-10			
	Bottom of hole at 6.6 m.						
7							
8							
9							
10							

CONCRETE
SAND
BENTONITE
MW19-70
SAND

NOTES
Bolded sample denotes sample analyzed. *denotes blind field duplicate.

QA TP 2019 04 09 Print Date:2019-10-23

BOREHOLE LOG

SLR CONSULTING (CANADA) LTD.

CLIENT: **PSPC - CFB Comox**
PROJECT: **FFTA - Waste Oil Assessment**
ADDRESS: **Canadian Forces Base Comox Lazo, BC**
SLR JOB NO: **219.05329.00011**

BOREHOLE NO: BH20-01
SURFACE ELEVATION:

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv)	BOREHOLE COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
0					**CONCRETE**				concrete	0
		BH20-01_0.1			**SAND** well graded, some silt, trace gravel, loose, brown, moist	45			silica sand	
0.4										0.4
1		BH20-01_0.9			**silty SAND** poorly graded, fine grained, trace gravel, trace clay, dense, HC odour 0.75-1.4m, grey, moist	1250				1.0
1.2										1.2
		BH20-01_1.5			well graded, no clay, brown below 1.4m, brown	40				
1.7										1.7
2		BH20-01_2.0				30				2.0
2.2										2.2
3		BH20-01_3.0				20				3.0
3.2										3.2
					SAND poorly graded, fine grained, some silt, occasional gravel, dense, grey, moist				bentonite seal	
4		BH20-01_3.8				0				4.0
4.1										4.1
					-wet below 4.5m					
5		BH20-01_5.0				0				5.0
5.3										5.3
6		BH20-01_6.0				0				6.0
6.3										6.3
					End of borehole at 6.3 m					

DRILLING METHOD: Solid Stem Auger Drilling

DRILL DATE: June 30, 2020

LOGGED BY: JH
DRILLED BY:

Notes: AUGER SAMPLE

BOREHOLE LOG

SLR CONSULTING (CANADA) LTD.

CLIENT: **PSPC - CFB Comox**
PROJECT: **FFTA - Waste Oil Assessment**
ADDRESS: **Canadian Forces Base Comox Lazo, BC**
SLR JOB NO: **219.05329.00011**

BOREHOLE NO: BH20-02
SURFACE ELEVATION:

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv)	BOREHOLE COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
0					**CONCRETE**				concrete	0
		BH20-02_0.2-0.4_DUP A			**SAND** coarse grained, some gravel, trace silt, loose, brown, moist	5			silica sand	
		BH20-02_0.7-1.0			-some silt below 0.6m, brown-grey	60				
1										1.0
		BH20-02_1.7-1.9			**silty SAND** trace gravel, dense, brown, moist	30				
2										2.0
		BH20-02_2.2-2.4				5				
3					-wet below 3m					3.0
		BH20-02_3.1-3.3_DUP B				20			bentonite seal	
4										4.0
		BH20-02_4.1-4.3				5				
					SILT trace fine grained gravel, some clay, firm, medium plasticity, grey, wet					
5		BH20-02_5.0-5.2				0				5.0
					silty SAND occasional gravel, dense, grey, wet					
6										6.0
		BH20-02_6.1-6.3				0				
					End of borehole at 6.3 m					

DRILLING METHOD: Solid Stem Auger Drilling

DRILL DATE: June 30, 2020

LOGGED BY: JH
DRILLED BY:

Notes: AUGER SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **PSPC - CFB Comox**
PROJECT: **FFTA - Waste Oil Assessment**
ADDRESS: **Canadian Forces Base Comox Lazo, BC**
SLR JOB NO: **219.05329.00011**

TESTPIT LOG

TESTPIT NO: BH20-03
SURFACE ELEVATION:

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	TESTPIT COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
					TOPSOIL sand, some silt, occasional gravel, soft, brown, moist					
					SAND fine grained, some silt, trace clay, grey w/ orange mottling -hard, dense below 0.4m, increased gravel					
1		BH20-03_1.1-1.25				0			backfilled with original soils	1.0
		BH20-03_1.5-1.65				0				
2		BH20-03_2.0-2.15				0				2.0
		BH20-03_2.35-2.5				0				
					End of testpit at 2.5 m					

DRILLING METHOD: Excavation

DRILL DATE: June 30, 2020

LOGGED BY: MC
DRILLED BY:

Notes: GRAB SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **PSPC - CFB Comox**
PROJECT: **FFTA - Waste Oil Assessment**
ADDRESS: **Canadian Forces Base Comox Lazo, BC**
SLR JOB NO: **219.05329.00011**

TESTPIT LOG

TESTPIT NO: BH20-04
SURFACE ELEVATION:

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	TESTPIT COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
0					**TOPSOIL** sand, some silt, occasional gravel, grass, organics, soft, brown, moist	0				0
		BH20-04_0.25-0.4			**SAND** some gravel and silt, firm, brown w/ orange mottling					
1					**SILT & SAND (till)** occasional gravel and cobbles, very hard, dense, light grey				backfilled with original soils	1.0
		BH20-04_1.1-1.25				0				
		BH20-04_1.5-1.65				0				
2		BH20-04_2.0-2.15				0				2.0
					End of testpit at 2.3 m					

DRILLING METHOD: Excavation

DRILL DATE: June 30, 2020

LOGGED BY: MC
DRILLED BY:

Notes: ■ GRAB SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **PSPC - CFB Comox**
PROJECT: **FFTA - Waste Oil Assessment**
ADDRESS: **Canadian Forces Base Comox Lazo, BC**
SLR JOB NO: **219.05329.00011**

TESTPIT LOG

TESTPIT NO: BH20-05
SURFACE ELEVATION:

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	TESTPIT COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
					TOPSOIL sand, silt, occasional gravel, roots/organics, soft, brown, moist					
		BH20-05_0.25-0.4			**SAND** some silt, occasional gravel and cobbles, brown w/ orange mottling, dry	0				
					SILT & SAND (till) occasional gravel and cobbles, firm, brown w/ orange mottling, dry					
1		BH20-05_1.1-1.25				0			backfilled with original soils	1.0
		BH20-05_1.5-1.65				0				
2		BH20-05_2.0-2.15				0				2.0
					End of testpit at 2.3 m					

DRILLING METHOD: Excavation
DRILL DATE: June 30, 2020
LOGGED BY: MC
DRILLED BY:

Notes: GRAB SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence and Construction Canada**
PROJECT: **FFTA Remediation Specifications**
ADDRESS: **CFB Comox**
SLR JOB NO: **219.05444**

BOREHOLE LOG

BOREHOLE NO: TP20-05
SURFACE ELEVATION: *not surveyed*
UTM COORDINATES 5509702 N 362330 E

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	TESTPIT COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
0					**SAND** fine grained, trace silt, loose, brown, dry					0
0.2										0.2
0.4										0.4
0.6					**sandy SILT** dense, grey, moist					0.6
0.8										0.8
1.0					End of borehole at 1.0 m					1.0

DRILLING METHOD: Excavator

DRILL DATE: July 21, 2020

LOGGED BY: JHupman
DRILLER NAME: Edgett Excavating

Notes: ■ GRAB SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence and Construction Canada**
PROJECT: **FFTA Remediation Specifications**
ADDRESS: **CFB Comox**
SLR JOB NO: **219.05444**

BOREHOLE LOG

BOREHOLE NO: TP20-06
SURFACE ELEVATION: *not surveyed*
UTM COORDINATES 5509685 N 362368 E

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	TESTPIT COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
0					**silty SAND** rich in organics, dark brown, moist					0
0.2										0.2
0.4										0.4
0.6					**SAND** poorly graded, grey-brown, moist					0.6
0.8					End of borehole at 0.8 m					0.8

DRILLING METHOD: Excavator
DRILL DATE: July 21, 2020
LOGGED BY: JHupman
DRILLER NAME: Edgett Excavating

Notes: ■ GRAB SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence and Construction Canada**
PROJECT: **FFTA Remediation Specifications**
ADDRESS: **CFB Comox**
SLR JOB NO: **219.05444**

BOREHOLE LOG

BOREHOLE NO: TP20-07
SURFACE ELEVATION: *not surveyed*
UTM COORDINATES 5509628 N 362330 E

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	TESTPIT COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
0					**SAND** well graded, trace silt, loose, brown, dry					0
0.2										0.2
0.4										0.4
0.6					**silty SAND** trace gravel, mottled, dense, grey-brown, moist					0.6
0.8										0.8
1.0					End of borehole at 1.0 m					1.0

DRILLING METHOD: Excavator

DRILL DATE: July 21, 2020

LOGGED BY: JHupman
DRILLER NAME: Edgett Excavating

Notes: ■ GRAB SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence and Construction Canada**
PROJECT: **FFTA Remediation Specifications**
ADDRESS: **CFB Comox**
SLR JOB NO: **219.05444**

BOREHOLE LOG

BOREHOLE NO: TP20-08
SURFACE ELEVATION: *not surveyed*

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	TESTPIT COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
0					**SAND** fine grained, some silt, brown, moist					0
0.2										0.2
0.4					**silty SAND** grey, moist					0.4
0.6					End of borehole at 0.6 m					0.6

DRILLING METHOD: Excavator

DRILL DATE: July 21, 2020

LOGGED BY: JHupman
DRILLER NAME: Edgett Excavating

Notes: ■ GRAB SAMPLE

SLR CANADA V5.2 TP LOGS JULY 21 2020.GPJ SLR_CAN V5.2.GDT 8/18/20

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence and Construction Canada**
PROJECT: **FFTA Remediation Specifications**
ADDRESS: **CFB Comox**
SLR JOB NO: **219.05444**

BOREHOLE LOG

BOREHOLE NO: TP20-09
SURFACE ELEVATION: *not surveyed*
UTM COORDINATES 5509619 N 362403 E

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	TESTPIT COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
0					**silty SAND** well graded, trace gravel, loose, brown, dry					0
0.2										0.2
0.4										0.4
0.6										0.6
0.8										0.8
1.0					**SAND** well graded, trace silt, loose, red-brown, moist					1.0
1.2										1.2
1.4										1.4
1.6					**SAND** well graded, some silt, dense, grey, moist					1.6
1.8										1.8
2.0					- strong petroleum hydrocarbon odor noted at 2.2 m					2.0
2.2					End of borehole at 2.2 m					2.2

DRILLING METHOD: Excavator

DRILL DATE: July 21, 2020

LOGGED BY: JHupman
DRILLER NAME: Edgett Excavating

Notes: ■ GRAB SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence and Construction Canada**
PROJECT: **FFTA Remediation Specifications**
ADDRESS: **CFB Comox**
SLR JOB NO: **219.05444**

BOREHOLE LOG

BOREHOLE NO: TP20-10
SURFACE ELEVATION: *not surveyed*
UTM COORDINATES 5509572 N 362323 E

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	TESTPIT COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
0					**TOPSOIL** organics, rootlets throughout, brown, moist					0
0.2					**silty SAND** trace gravel, mottled, dense, grey-brown, moist					0.2
0.4										0.4
0.6					End of borehole at 0.7 m					0.6

DRILLING METHOD: Excavator
DRILL DATE: July 21, 2020
LOGGED BY: JHupman
DRILLER NAME: Edgett Excavating

Notes: ■ GRAB SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence and Construction Canada**
PROJECT: **FFTA Remediation Specifications**
ADDRESS: **CFB Comox**
SLR JOB NO: **219.05444**

BOREHOLE LOG

BOREHOLE NO: **TP20-11**
SURFACE ELEVATION: *not surveyed*
UTM COORDINATES 5509576 N 362373 E

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	TESTPIT COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
0.2					**SAND AND GRAVEL** trace silt, dense, grey, dry					0.2
0.4					**SAND** some silt, trace gravel, dense, brown, moist					0.4
0.6										0.6
0.8										0.8
1.0					**silty SAND** trace gravel, mottled, dense, grey-brown, moist					1.0
1.2										1.2
1.4										1.4
					End of borehole at 1.5 m					

DRILLING METHOD: Excavator

DRILL DATE: July 21, 2020

LOGGED BY: JHupman
DRILLER NAME: Edgett Excavating

Notes: ■ GRAB SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence and Construction Canada**
PROJECT: **FFTA Remediation Specifications**
ADDRESS: **CFB Comox**
SLR JOB NO: **219.05444**

BOREHOLE LOG

BOREHOLE NO: TP20-12
SURFACE ELEVATION: *not surveyed*
UTM COORDINATES 5509598 N 362418 E

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	TESTPIT COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
					topsoil					
0.2					**ASH** ash-like material mixed with sands and gravel, dense, grey, dry					0.2
0.4					**SAND** well graded sand, some silt, some gravel					0.4
0.6					End of borehole at 0.6 m					0.6

DRILLING METHOD: Excavator

DRILL DATE: July 21, 2020

LOGGED BY: JHupman
DRILLER NAME: Edgett Excavating

Notes:

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence and Construction Canada**
PROJECT: **FFTA Remediation Specifications**
ADDRESS: **CFB Comox**
SLR JOB NO: **219.05444**

BOREHOLE LOG

BOREHOLE NO: TP20-13
SURFACE ELEVATION: *not surveyed*
UTM COORDINATES 5509533 N 362353 E

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	TESTPIT COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
0					**TOPSOIL** organics, rootlets throughout, brown, moist					0
0.2					**silty SAND** trace gravel, mottled, dense, grey-brown, moist					0.2
0.4										0.4
0.6										0.6
0.8										0.8
1.0										1.0
1.2										1.2
1.4					End of borehole at 1.4 m					1.4

DRILLING METHOD: Excavator

DRILL DATE: July 21, 2020

LOGGED BY: JHupman
DRILLER NAME: Edgett Excavating

Notes: ■ GRAB SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence and Construction Canada**
PROJECT: **FFTA Remediation Specifications**
ADDRESS: **CFB Comox**
SLR JOB NO: **219.05444**

BOREHOLE LOG

BOREHOLE NO: TP20-14
SURFACE ELEVATION: *not surveyed*
UTM COORDINATES 5509546 N 362411 E

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	TESTPIT COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
0					**SAND AND GRAVEL** dense, brown, moist					0
0.2										0.2
0.4										0.4
0.6										0.6
0.8										0.8
1.0										1.0
1.2										1.2
1.4										1.4
1.6										1.6
1.8										1.8
					End of borehole at 1.9 m					

DRILLING METHOD: Excavator

DRILL DATE: July 21, 2020

LOGGED BY: JHupman
DRILLER NAME: Edgett Excavating

Notes: ■ GRAB SAMPLE

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence and Construction Canada**
PROJECT: **FFTA Remediation Specifications**
ADDRESS: **CFB Comox**
SLR JOB NO: **219.05444**

BOREHOLE LOG

BOREHOLE NO: TP20-15
SURFACE ELEVATION: *not surveyed*
UTM COORDINATES 5509540 N 362450 E

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	TESTPIT COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
0					**SAND AND GRAVEL** very dense, grey, moist					0
0.2					**SAND** well graded, some silt, dense. strong petroleum hydrocarbon odor, dark brown, moist					0.2
0.4										0.4
0.6										0.6
0.8										0.8
1.0					**silty SAND** poorly graded, dense, grey, moist					1.0
1.2					End of borehole at 1.2 m					1.2

DRILLING METHOD: Excavator

DRILL DATE: July 21, 2020

LOGGED BY: JHupman
DRILLER NAME: Edgett Excavating

Notes:

SLR CONSULTING (CANADA) LTD.

CLIENT: **Defence and Construction Canada**
PROJECT: **FFTA Remediation Specifications**
ADDRESS: **CFB Comox**
SLR JOB NO: **219.05444**

BOREHOLE LOG

BOREHOLE NO: TP20-16
SURFACE ELEVATION: *not surveyed*
UTM COORDINATES 5509514 N 362429 E

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA: ORGANIC VAPOUR LEVEL (ppmv) 1 10 100 1000 10000	TESTPIT COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	DEPTH (m)
0					**SAND AND GRAVEL** very dense, grey, moist					0
0.2										0.2
0.4										0.4
0.6					End of borehole at 0.6 m					0.6

DRILLING METHOD: Excavator

DRILL DATE: July 21, 2020

LOGGED BY: JHupman
DRILLER NAME: Edgett Excavating

Notes:

WSP Canada Inc.
1935 Bollinger Road
Nanaimo, B.C. V9S 5W9
Tel: +1 250-753-1077
Fax: +1 250-753-1203
www.wsp.com

CFB Comox FFTA Construction Site Access
SLR
CFB Comox

TP20-05 (A)

Project No: 201-05243-00

Depth (m)	Depth (ft)	Description	SOIL REUSE	C	N	Type/ Sample #	Recovery	Water Level
		black, ORGANIC SILT (TOPSOIL), moist, rootlets.						
		compact, light brown, SAND, some fines, trace gravel, moist.				G1		
	2							
		dense, light brown, SAND AND SILT (inferred weathered till), some gravel, moist, occasional cobbles.				GB1		
1								
		End of test pit at 1.0 m due to scheduled depth. No sloughing and no seepage noted. Test pit backfilled with bucket packed excavated material.						
	4							
	6							
2								
	8							
	10							
3								
	12							
4								
	14							
	16							

10 20 30 40 50 60 70 80 90

C: Condition of Sample
Good
Disturbed
No Recovery

Type: Type of Sampler
SPT : 2 in. standard
ST : Shelby
G : Grab
CORE

N: Number of Blows
WH : Weight of Hammer
WR : Weight of Rod
Standard Penetration Test : ASTM D1586
Hammer Type:
DCPT Blow/300 mm

Plastic Limit (%) — Liquid Limit (%)
Moisture Content (%)
Ground Water Level
Shear strength in kPa (Torvane)
PP Pocket Penetrometer (compressive strength in kPa)
Shear strength in kPa (Unconfined)
Shear strength in kPa (Field vane)
Remolded strength in kPa
Percent Passing # 200 sieve

SOIL REUSE
DESTROY
REUSE

Drill Method: Backhoe
Date Drilled: 7/21/2020
Logged by: LM
Checked by: CM

SOIL CLASSIFICATION IN ACCORDANCE WITH THE CANADIAN FOUNDATION ENGINEERING MANUAL 4TH EDITION 2006.

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1935 Bollinger Road
Nanaimo, B.C. V9S 5W9
Tel: +1 250-753-1077
Fax: +1 250-753-1203
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TP20-06 (B)

Project No: 201-05243-00

Depth (m)	Depth (ft)	Description	SOIL REUSE	C	N	Type/ Sample #	Recovery	Water Level
		black, ORGANIC SILT (TOPSOIL), some sand, moist, rootlets.						
	2	compact to dense, light brown, SAND, trace to some fines, moist.				G1		
		End of test pit at 0.6 m due to scheduled depth. No sloughing and no seepage noted. Test pit backfilled with bucket packed excavated material.						
1	4							
	6							
2								
	8							
3	10							
	12							
4								
	14							
	16							

10 20 30 40 50 60 70 80 90

C: Condition of Sample
Good
Disturbed
No Recovery

Type: Type of Sampler
SPT : 2 in. standard
ST : Shelby
G : Grab
CORE

N: Number of Blows
WH : Weight of Hammer
WR : Weight of Rod
Standard Penetration Test : ASTM D1586
Hammer Type:
DCPT Blow/300 mm

Plastic Limit (%) — Liquid Limit (%)
Moisture Content (%)
Ground Water Level
Shear strength in kPa (Torvane)
PP Pocket Penetrometer (compressive strength in kPa)
Shear strength in kPa (Unconfined)
Shear strength in kPa (Field vane)
Remolded strength in kPa
Percent Passing # 200 sieve

SOIL REUSE
DESTROY
REUSE

Drill Method: Backhoe
Date Drilled: 7/21/2020
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TP20-07 (C)

Project No: 201-05243-00

Depth (m)	Depth (ft)	Description	SOIL REUSE	C	N	Type/ Sample #	Recovery	Water Level
0	0	black, ORGANIC SILT (TOPSOIL), some sand, moist, rootlets.						
0	0	compact, light brown, SAND (inferred weathered till), some fines, trace gravel, moist, occasional cobbles.				GB1		
0.6	2	-below 0.8 m, dense, silty, some gravel				G1		
1.2	4	End of test pit at 1.2 m due to scheduled depth. No sloughing and no seepage noted. Test pit backfilled with bucket packed excavated material.						

10 20 30 40 50 60 70 80 90

C: Condition of Sample
Good
Disturbed
No Recovery

Type: Type of Sampler
SPT : 2 in. standard
ST : Shelby
G : Grab
CORE

N: Number of Blows
WH : Weight of Hammer
WR : Weight of Rod
Standard Penetration Test : ASTM D1586
Hammer Type:
DCPT Blow/300 mm

Plastic Limit (%) Liquid Limit (%)
Moisture Content (%)
Ground Water Level
Shear strength in kPa (Torvane)
PP Pocket Penetrometer (compressive strength in kPa)
Shear strength in kPa (Unconfined)
Shear strength in kPa (Field vane)
Remolded strength in kPa
Percent Passing # 200 sieve

SOIL REUSE
DESTROY
REUSE

Drill Method: Backhoe
Date Drilled: 7/21/2020
Logged by: LM
Checked by: CM

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TP20-08 (D)

Project No: 201-05243-00

Depth (m)	Depth (ft)	Description	SOIL REUSE	C	N	Type/ Sample #	Recovery	Water Level
		black, ORGANIC SILT (TOPSOIL), moist, rootlets.						
		compact, red/brown, silty SAND, trace gravel, moist, occasional cobbles, boulders, and organics.				GB1		
		dense, light brown, SAND AND SILT (inferred weathered till), trace gravel, moist, occasional cobbles.				GB2		
0.6	2	End of test pit at 0.6 m due to scheduled depth. No sloughing and no seepage noted. Test pit backfilled with bucket packed excavated material.						

10 20 30 40 50 60 70 80 90

1 2 3 4 (m)
2 4 6 8 10 12 14 16 (ft)

C: Condition of Sample
Good
Disturbed
No Recovery

Type: Type of Sampler
SPT : 2 in. standard
ST : Shelby
G : Grab
CORE

N: Number of Blows
WH : Weight of Hammer
WR : Weight of Rod
Standard Penetration Test : ASTM D1586
Hammer Type:
DCPT Blow/300 mm

Plastic Limit (%) — Liquid Limit (%)
Moisture Content (%)
Ground Water Level
Shear strength in kPa (Torvane)
PP Pocket Penetrometer (compressive strength in kPa)
Shear strength in kPa (Unconfined)
Shear strength in kPa (Field vane)
Remolded strength in kPa
Percent Passing # 200 sieve

SOIL REUSE
DESTROY
REUSE

Drill Method: Backhoe
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TP20-09 (E)

Project No: 201-05243-00

Depth (m)	Depth (ft)	Description	SOIL REUSE	C	N	Type/ Sample #	Recovery	Water Level
		black, ORGANIC SILT (TOPSOIL), moist, rootlets.						
	2	compact, brown, silty SAND (FILL), trace gravel, moist, occasional cobbles, boulders, organics, and construction debris.				GB1		
1	4	compact, red/brown, SAND, some fines, some gravel, moist, occasional organics and roots.				G1		
	6	compact, brown/grey, SAND AND SILT (inferred weathered till), trace gravel, moist to wet, occasional cobbles.				GB2		
2		dense to very dense, grey, SAND, some fines, some gravel, moist (hydrocarbon odour).				G2		
	8	End of test pit at 2.3 m due to scheduled depth. No sloughing and no seepage noted. Test pit backfilled with bucket packed excavated material.						
3	10							
	12							
4								
	14							
	16							

10 20 30 40 50 60 70 80 90

C: Condition of Sample
Good
Disturbed
No Recovery

Type: Type of Sampler
SPT : 2 in. standard
ST : Shelby
G : Grab
CORE

N: Number of Blows
WH : Weight of Hammer
WR : Weight of Rod
Standard Penetration Test : ASTM D1586
Hammer Type:
DCPT Blow/300 mm

Plastic Limit (%) — Liquid Limit (%)
Moisture Content (%)
Ground Water Level
Shear strength in kPa (Torvane)
PP Pocket Penetrometer (compressive strength in kPa)
Shear strength in kPa (Unconfined)
Shear strength in kPa (Field vane)
Remolded strength in kPa
Percent Passing # 200 sieve

SOIL REUSE
DESTROY
REUSE

Drill Method: Backhoe
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TP20-10 (F)

Project No: 201-05243-00

Depth (m)	Depth (ft)	Description	SOIL REUSE	C	N	Type/ Sample #	Recovery	Water Level
		black, ORGANIC SILT (TOPSOIL), some sand, moist, rootlets.						
		dense, light brown, silty SAND (inferred weathered till), some gravel, moist, occasional cobbles.				GB1		
0.8	2	End of test pit at 0.8 m due to scheduled depth. No sloughing and no seepage noted. Test pit backfilled with bucket packed excavated material.						

10 20 30 40 50 60 70 80 90

1 2 3 4
4 6 8 10 12 14 16

C: Condition of Sample
Good
Disturbed
No Recovery

Type: Type of Sampler
SPT : 2 in. standard
ST : Shelby
G : Grab
CORE

N: Number of Blows
WH : Weight of Hammer
WR : Weight of Rod
Standard Penetration Test : ASTM D1586
Hammer Type:
DCPT Blow/300 mm

Plastic Limit (%) — Liquid Limit (%)
Moisture Content (%)
Ground Water Level
Shear strength in kPa (Torvane)
PP Pocket Penetrometer (compressive strength in kPa)
Shear strength in kPa (Unconfined)
Shear strength in kPa (Field vane)
Remolded strength in kPa
Percent Passing # 200 sieve

SOIL REUSE
DESTROY
REUSE

Drill Method: Backhoe
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TP20-11 (G)

Project No: 201-05243-00

Depth (m)	Depth (ft)	Description	SOIL REUSE	C	N	Type/ Sample #	Recovery	Water Level
		black, ORGANIC SILT (TOPSOIL), some sand, moist, rootlets.						
		compact, dark brown, silty, SAND, some gravel, moist, frequent cobbles, trace rootlets.				GB1		
1	2							
	4							
		dense, light brown, silty SAND, some gravel, moist, occasional cobbles.				G1		
	6	End of test pit at 1.8 m due to scheduled depth. No sloughing and no seepage noted. Test pit backfilled with bucket packed excavated material.						
2	8							
3	10							
	12							
4								
	14							
	16							

10 20 30 40 50 60 70 80 90

C: Condition of Sample
Good
Disturbed
No Recovery

Type: Type of Sampler
SPT : 2 in. standard
ST : Shelby
G : Grab
CORE

N: Number of Blows
WH : Weight of Hammer
WR : Weight of Rod
Standard Penetration Test : ASTM D1586
Hammer Type:
DCPT Blow/300 mm

Plastic Limit (%) ▶—● Liquid Limit (%) ◀
Moisture Content (%)
Ground Water Level
Shear strength in kPa (Torvane)
PP Pocket Penetrometer (compressive strength in kPa)
Shear strength in kPa (Unconfined)
Shear strength in kPa (Field vane)
Remolded strength in kPa
Percent Passing # 200 sieve

SOIL REUSE
DESTROY
REUSE

Drill Method: Backhoe
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Nanaimo, B.C. V9S 5W9
Tel: +1 250-753-1077
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TP20-12 (H)

Project No: 201-05243-00

Depth (m)	Depth (ft)	Description	SOIL REUSE	C	N	Type/ Sample #	Recovery	Water Level
		black, ORGANIC SILT (TOPSOIL), some sand, moist, rootlets.						
		compact to dense, grey, sandy GRAVEL (FILL), trace fines, angular, maximum particle size encountered = 25 mm, moist.				G1		
		compact, dark brown, silty SAND (FILL), some gravel, moist, occasional wood debris.				G2		
0.6	2	End of test pit at 0.6 m due to scheduled depth. No sloughing and no seepage noted. Test pit backfilled with bucket packed excavated material.						
1	4							
2	6							
	8							
3	10							
	12							
4	14							
	16							

10 20 30 40 50 60 70 80 90

C: Condition of Sample
Good
Disturbed
No Recovery

Type: Type of Sampler
SPT : 2 in. standard
ST : Shelby
G : Grab
CORE

SOIL CLASSIFICATION IN ACCORDANCE WITH THE CANADIAN FOUNDATION ENGINEERING MANUAL 4TH EDITION 2006.

N: Number of Blows
WH : Weight of Hammer
WR : Weight of Rod
Standard Penetration Test : ASTM D1586
Hammer Type:
DCPT Blow/300 mm

Plastic Limit (%) — Liquid Limit (%)
Moisture Content (%)
Ground Water Level
Shear strength in kPa (Torvane)
PP Pocket Penetrometer (compressive strength in kPa)
Shear strength in kPa (Unconfined)
Shear strength in kPa (Field vane)
Remolded strength in kPa
Percent Passing # 200 sieve

SOIL REUSE
DESTROY
REUSE

Drill Method: Backhoe
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1935 Bollinger Road
Nanaimo, B.C. V9S 5W9
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Fax: +1 250-753-1203
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TP20-13 (I)

Project No: 201-05243-00

Depth (m)	Depth (ft)	Description	SOIL REUSE	C	N	Type/ Sample #	Recovery	Water Level
		black, ORGANIC SILT (TOPSOIL), some sand, moist, rootlets.						
		compact to dense, light brown, silty, SAND (inferred weathered till), some gravel, moist, occasional cobbles.				G1		
		-below 0.8 m, dense to very dense				GB1		
		End of test pit at 1.5 m due to scheduled depth. No sloughing and no seepage noted. Test pit backfilled with bucket packed excavated material.						

10 20 30 40 50 60 70 80 90

C: Condition of Sample
Good
Disturbed
No Recovery

Type: Type of Sampler
SPT : 2 in. standard
ST : Shelby
G : Grab
CORE

N: Number of Blows
WH : Weight of Hammer
WR : Weight of Rod
Standard Penetration Test : ASTM D1586
Hammer Type:
DCPT Blow/300 mm

Plastic Limit (%) Liquid Limit (%)
Moisture Content (%)
Ground Water Level
Shear strength in kPa (Torvane)
PP Pocket Penetrometer (compressive strength in kPa)
Shear strength in kPa (Unconfined)
Shear strength in kPa (Field vane)
Remolded strength in kPa
Percent Passing # 200 sieve

SOIL REUSE
DESTROY
REUSE

Drill Method: Backhoe
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1935 Bollinger Road
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Tel: +1 250-753-1077
Fax: +1 250-753-1203
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TP20-14 (J)

Project No: 201-05243-00

Depth (m)	Depth (ft)	Description	SOIL REUSE	C	N	Type/ Sample #	Recovery	Water Level
		grey GRAVEL (FILL), rootlets.						
		compact, dark brown, SAND AND GRAVEL (FILL), trace fines, maximum particle size encountered = 75 mm, subrounded, moist, occasional cobbles.				G1		
1	2							
	4	-below 1.2 m, grey, wet (hydrocarbon smell)				GB1		
	6	dense, grey, silty SAND, some gravel, moist, occasional cobbles.				G2		
2		End of test pit at 1.9 m due to scheduled depth. Moderate sloughing and minor seepage noted between 1.2 m and 1.7 m. Test pit backfilled with bucket packed excavated material.						
	8							
3	10							
	12							
4								
	14							
	16							

10 20 30 40 50 60 70 80 90

C: Condition of Sample
Good
Disturbed
No Recovery

Type: Type of Sampler
SPT : 2 in. standard
ST : Shelby
G : Grab
CORE

N: Number of Blows
WH : Weight of Hammer
WR : Weight of Rod
Standard Penetration Test : ASTM D1586
Hammer Type:
DCPT Blow/300 mm

Plastic Limit (%) — Liquid Limit (%)
Moisture Content (%)
Ground Water Level
Shear strength in kPa (Torvane)
PP Pocket Penetrometer (compressive strength in kPa)
Shear strength in kPa (Unconfined)
Shear strength in kPa (Field vane)
Remolded strength in kPa
Percent Passing # 200 sieve

SOIL REUSE
DESTROY
REUSE

Drill Method: Backhoe
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TP20-15 (K)

Project No: 201-05243-00

Depth (m)	Depth (ft)	Description	SOIL REUSE	C	N	Type/ Sample #	Recovery	Water Level
		grey GRAVEL (FILL) some sand angular, rootlets.						
	2	compact, black, silty SAND, some gravel, moist. (hydrocarbon smell)				G1		
1		dense, grey, SAND, trace gravel, moist, occasional cobbles.				G2		
	4	End of test pit at 1.2 m due to scheduled depth. No sloughing and no seepage noted. Test pit backfilled with bucket packed excavated material.						
	6							
2								
	8							
	10							
3								
	12							
4								
	14							
	16							

10 20 30 40 50 60 70 80 90

C: Condition of Sample
Good
Disturbed
No Recovery

Type: Type of Sampler
SPT : 2 in. standard
ST : Shelby
G : Grab
CORE

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N: Number of Blows
WH : Weight of Hammer
WR : Weight of Rod
Standard Penetration Test : ASTM D1586
Hammer Type:
DCPT Blow/300 mm

Plastic Limit (%) — Liquid Limit (%)
Moisture Content (%)
Ground Water Level
Shear strength in kPa (Torvane)
PP Pocket Penetrometer (compressive strength in kPa)
Shear strength in kPa (Unconfined)
Shear strength in kPa (Field vane)
Remolded strength in kPa
Percent Passing # 200 sieve

SOIL REUSE
DESTROY
REUSE

Drill Method: Backhoe
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1935 Bollinger Road
Nanaimo, B.C. V9S 5W9
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TP20-16 (L)

Project No: 201-05243-00

Depth (m)	Depth (ft)	Description	SOIL REUSE	C	N	Type/ Sample #	Recovery	Water Level
		grey GRAVEL (FILL) some sand, subrounded to angular, rootlets.						
		compact, brown, gravelly SAND (FILL), some fines, moist to wet. (hydrocarbon smell)				G1		
1	2							
	4	dense, grey, silty SAND (inferred weathered till), some gravel, moist to wet, occasional cobbles.				G2		
	6	End of test pit at 1.6 m due to scheduled depth. No sloughing and minor seepage below 1.0 m noted. Test pit backfilled with bucket packed excavated material.						
2	8							
3	10							
	12							
4	14							
	16							

10 20 30 40 50 60 70 80 90

C: Condition of Sample
Good
Disturbed
No Recovery

Type: Type of Sampler
SPT : 2 in. standard
ST : Shelby
G : Grab
CORE

N: Number of Blows
WH : Weight of Hammer
WR : Weight of Rod
Standard Penetration Test : ASTM D1586
Hammer Type:
DCPT Blow/300 mm

Plastic Limit (%) — Liquid Limit (%)
Moisture Content (%)
Ground Water Level
Shear strength in kPa (Torvane)
PP Pocket Penetrometer (compressive strength in kPa)
Shear strength in kPa (Unconfined)
Shear strength in kPa (Field vane)
Remolded strength in kPa
Percent Passing # 200 sieve

SOIL REUSE
DESTROY
REUSE

Drill Method: Backhoe
Date Drilled: 7/21/2020
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SOIL ANALYTICAL TABLES

CFB Comox FFTA Source Control Project

PSPC

CFB Comox, Lazo, BC

Requisition No.: R.111173.004

TABLE OF CONTENTS

TABLE 1: SOIL - PARTICLE SIZE

					Particle Size		
Site Area	Sample Location	Sample Depth (mbg)	Sample Date	Sample ID	% < 0.075 mm	% >75um	% gravel (4.75mm-3in)
					%	%	%
Reported Detection Limit					0.1	0.1	0.01
FFTA	BH16-16	0.6 - 1.2	2016-Sep-13	BH16-16-S4	-	-	<0.01
		2.4 - 2.7		BH16-16-S5	-	-	3.5
		8.3 - 8.6		BH16-16-S9	-	-	6.69
		11.3 - 12.2		BH16-16-S11	-	-	<0.01
	BH16-19	4.0 - 4.3	2016-Sep-14	BH16-19-S4	-	-	5.71
		4.9 - 5.8		BH16-19-S5	-	-	<0.01
	BH18-33	0.0 - 0.3	2018-Dec-13	BH18-33-01	28	72	-
		3.0 - 3.4	2018-Dec-14	BH18-33-07	46.1	53.9	-
		8.4 - 8.7		BH18-33-12	44.1	55.9	-
	BH18-39	0.3 - 0.6	2018-Dec-17	BH18-39-02	84.9	15.1	-
		2.0 - 2.3	2018-Dec-18	BH18-39-06	41.5	58.5	-
	BH18-41	0.0 - 0.3	2018-Dec-17	BH18-41-01	46.2	53.8	-
		1.7 - 2.0		BH18-41-03	40.6	59.4	-
	BH18-44	0.6 - 1.1	2018-Dec-17	BH18-44-02	27.9	72.1	-
		3.2 - 3.5	2018-Dec-18	BH18-44-05	50.3	49.7	-
	BH18-47	0.2 - 0.5	2018-Dec-18	BH18-47-01	13.5	86.5	-
		2.6 - 2.9		BH18-47-04	52.7	47.3	-
	BH19-59	2.6 - 3.0	2019-Mar-7	BH19-59-04	29.3	70.7	-
	BH19-67	2.3 - 2.6	2019-Mar-8	BH19-67-04	28.5	71.5	-
	BH20-01	0.9 - 1.2	2020-Jun-30	BH20-01_0.9-1.2	53.4	46.6	-
		1.5 - 1.7		BH20-01_1.5-1.7	50.8	49.2	-
		2.0 - 2.2		BH20-01_2.0-2.2	50.7	49.3	-
		3.8 - 4.1		BH20-01_3.8-4.1	42.4	57.6	-

Notes:

m - metres

mbg - metres below grade

< - less than reported detection limit

'-' - sample not analyzed for parameter indicated

• formatting of cells indicates exceedances of like-formatted standards

• where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded

• samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs

• laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

µm - micrometres

% - percent

'-' - sample not analyzed for parameter indicated

> - denotes particle size greater than 75 micrometres

• laboratory reports detail detection limits, testing protocols and QA/QC procedures.

TABLE 2: SOIL - TOTAL ORGANIC CARBON

					Carbon	
					Total Organic Carbon	Fraction of Organic Carbon
					µg/g	g/g
Reported Detection Limit					500	0.0005
Site Area	Sample Location	Sample Depth (mbg)	Sample Date	Sample ID		
FFTA	BH16-11	4.9 - 5.8	2016-Sep-12	BH16-11-S6	-	<0.0005
	BH16-12	0.6 - 1.0	2016-Sep-12	BH16-12-S2	-	0.013
			2016-Sep-12	BH16-DUP-B	-	0.012
	BH16-13	0.8 - 1.9	2016-Sep-13	BH16-13-S3	-	<0.0005
	BH16-14	1.7 - 2.2	2016-Sep-14	BH16-14-S2	-	0.0006
	BH16-16	0.6 - 1.2	2016-Sep-13	BH16-16-S4	-	0.00073
		4.6 - 5.5		BH16-16-S7	-	<0.0005
		11.3 - 12.2		BH16-16-S11	-	<0.0005
	BH16-17	0.5 - 0.8	2016-Sep-14	BH16-17-S2	-	0.0047
	BH16-19	0.9 - 1.5	2016-Sep-14	BH16-19-S2	-	<0.0005
		4.9 - 5.8	2016-Sep-14	BH16-19-S5	-	<0.0005
				BH16-DUP-F	-	<0.0005
		11.3 - 12.2	2016-Sep-14	BH16-19-S9	-	<0.0005
	BH16-20	1.2 - 1.5	2016-Sep-12	BH16-20-S3	-	0.0017
		5.5 - 6.1		BH16-20-S6	-	<0.0005
	BH20-01	0.1 - 0.4	2020-Jun-30	BH20-01_0.1-0.4	18,000	-
		0.9 - 1.2		BH20-01_0.9-1.2	2900	-
		1.5 - 1.7		BH20-01_1.5-1.7	<500	-
		2.0 - 2.2		BH20-01_2.0-2.2	<500	-
		3.0 - 3.2		BH20-01_3.0-3.2	<500	-
		3.8 - 4.1		BH20-01_3.8-4.1	<500	-
	BH20-02	0.2 - 0.4	2020-Jun-30	BH20-02_0.2-0.4	4300	-
			2020-Jun-30	BH20-02_DUPA	4500	-
		0.7 - 1.0	2020-Jun-30	BH20-02_0.7-1.0	16,000	-
		1.7 - 1.9		BH20-02_1.7-1.9	610	-
		2.2 - 2.4		BH20-02_2.2-2.4	720	-
		3.1 - 3.3		BH20-02_3.1-3.3	860	-
	BH20-03	1.1 - 1.3	2020-Jun-30	BH20-03_1.1-1.25	<500	-
		1.5 - 1.7		BH20-03_1.5-1.65	<500	-
		2.0 - 2.2		BH20-03_2.0-2.15	<500	-
		2.4 - 2.5		BH20-03_2.35-2.5	550	-
	BH20-04	0.3 - 0.4	2020-Jun-30	BH20-04_0.25-0.4	25,000	-
		1.1 - 1.3		BH20-04_1.1-1.25	<500	-
		1.5 - 1.7		BH20-04_1.5-1.65	<500	-
		2.0 - 2.2		BH20-04_2.0-2.15	<500	-
	BH20-05	0.3 - 0.4	2020-Jun-30	BH20-05_0.25-0.4	19,000	-
		1.1 - 1.3		BH20-05_1.1-1.25	5800	-
		1.5 - 1.7		BH20-05_1.5-1.65	<500	-
		2.0 - 2.2		BH20-05_2.0-2.15	<500	-
	FFTA-SED-1	0.0 - 0.1	2016-Aug-18	FFTA-SED-1B	-	0.0042
			2016-Aug-18	FFTA-SED-DUP-4	-	0.0034
		0.1 - 0.2	2018-Jan-11	FFTA-SED-1A	-	0.043
				FFTA-SED-1B	-	0.043
				FFTA-SED-1C	-	0.023
			2018-Jan-11	FFTA-SED-DUPA	-	0.025
		0.0 - 0.2	2016-Aug-18	FFTA-SED-1A	-	0.0027
				FFTA-SED-1C	-	0.0081
	FFTA-SED-10	0.0 - 0.1	2016-Aug-17	FFTA-SED-10A	-	0.0038
				FFTA-SED-10B	-	0.029
				FFTA-SED-10C	-	0.0035
			2018-Jan-11	FFTA-SED-10A	-	0.0072
				FFTA-SED-10B	-	0.026
				FFTA-SED-10C	-	0.0023
	FFTA-SED-11	0.0 - 0.1	2016-Aug-17	FFTA-SED-11B	-	0.017
				FFTA-SED-11C	-	0.017
		0.1 - 0.2	2018-Jan-11	FFTA-SED-11A	-	0.041
				FFTA-SED-11B	-	0.021
				FFTA-SED-11C	-	0.0038
		0.0 - 0.5	2016-Aug-17	FFTA-SED-11A	-	0.0096

TABLE 2: SOIL - TOTAL ORGANIC CARBON

					Carbon	
					Total Organic Carbon	Fraction of Organic Carbon
					µg/g	g/g
Reported Detection Limit					500	0.0005
Site Area	Sample Location	Sample Depth (mbg)	Sample Date	Sample ID		
FFTA	FFTA-SED-12	0.0 - 0.1	2016-Aug-17	FFTA-SED-12A	-	0.094
				FFTA-SED-12B	-	0.11
				FFTA-SED-12C	-	0.09
	FFTA-SED-13	0.0 - 0.1	2016-Aug-17	FFTA-SED-13A	-	0.0067
				FFTA-SED-13B	-	0.012
				FFTA-SED-13C	-	0.011
	FFTA-SED-14	0.0 - 0.1	2016-Aug-18	FFTA-SED-14A	-	0.24
				FFTA-SED-14B	-	0.23
			2016-Aug-18	FFTA-SED-DUP-2	-	0.23
			2016-Aug-18	FFTA-SED-14C	-	0.29
	FFTA-SED-2	0.0 - 0.1	2016-Aug-18	FFTA-SED-2A	-	0.013
				FFTA-SED-2B	-	0.033
			2016-Aug-18	FFTA-SED-DUP-3	-	0.037
			2016-Aug-18	FFTA-SED-2C	-	0.015
	FFTA-SED-3	0.0 - 0.1	2016-Aug-18	FFTA-SED-3B	-	0.0035
			2016-Aug-18	FFTA-SED-DUP-5	-	0.0048
			2016-Aug-18	FFTA-SED-3C	-	0.0053
		0.0 - 0.2	2016-Aug-18	FFTA-SED-3A	-	0.0091
	FFTA-SED-4	0.0 - 0.1	2016-Aug-18	FFTA-SED-4A	-	0.023
				FFTA-SED-4B	-	0.0048
				FFTA-SED-4C	-	0.0078
			2018-Jan-11	FFTA-SED-4A	-	0.051
				FFTA-SED-4B	-	0.12
				FFTA-SED-4C	-	0.048
	FFTA-SED-5	0.0 - 0.1	2016-Aug-17	FFTA-SED-5A	-	0.023
				FFTA-SED-5B	-	0.011
				FFTA-SED-5C	-	0.12
	FFTA-SED-6	0.0 - 0.3	2016-Aug-17	FFTA-SED-6A	-	0.019
				FFTA-SED-6B	-	0.014
				FFTA-SED-6C	-	0.0042
	FFTA-SED-7	0.0 - 0.1	2016-Aug-17	FFTA-SED-7A	-	0.012
				FFTA-SED-7B	-	0.0059
				FFTA-SED-7C	-	0.015
			2018-Jan-11	FFTA-SED-7A	-	0.01
				FFTA-SED-7B	-	0.026
				FFTA-SED-7C	-	0.025
			43111.65347	FFTA-SED-DUPB	-	0.039
	FFTA-SED-8	0.0 - 0.1	2016-Aug-17	FFTA-SED-8A	-	0.014
				FFTA-SED-8B	-	0.0073
				FFTA-SED-8C	-	0.0086
	FFTA-SED-9	0.0 - 0.1	2016-Aug-17	FFTA-SED-9A	-	0.0033
				FFTA-SED-9B	-	0.0019
				FFTA-SED-9C	-	0.023
	TH15-01	0.0 - 0.4	2015-Jan-22	LO4087\TH15-01 S1	15,000	-
		0.8 - 1.5		LO4088\TH15-01 S2	530	-
		4.6 - 5.3		LO4091\TH15-01 S7	740	-
	TH15-02	1.2 - 1.5	2015-Jan-22	LO4093\TH15-02 S2	11,000	-
		2.4 - 2.7		LO4095\TH15-02 S4	1200	-
		4.6 - 4.9		LO4096\TH15-02 S7	880	-
	TH15-03	0.0 - 0.3	2015-Jan-20	LO4098\TH15-03 S1	1300	-
		3.3 - 3.7	2015-Jan-20	LO4101\TH15-03 S5	880	-
				LO4126\TH15-100	1300	-
		5.8 - 6.1	2015-Jan-20	LO4102\TH15-03 S8	<500	-
	TH15-04	0.9 - 1.5	2015-Jan-21	LO4103\TH15-04 S2	530	-
		2.6 - 2.9		LO4105\TH15-04 S5	550	-
		3.9 - 4.6		LO4106\TH15-04 S7	620	-

TABLE 2: SOIL - TOTAL ORGANIC CARBON

					Carbon	
					Total Organic Carbon	Fraction of Organic Carbon
					µg/g	g/g
Reported Detection Limit					500	0.0005
Site Area	Sample Location	Sample Depth (mbg)	Sample Date	Sample ID		
FFTA	TH15-05	0.8 - 1.0	2015-Jan-21	LO4108\TH15-05 S2	3500	-
		3.0 - 3.3	2015-Jan-21	LO4127\TH15 101 S100	1300	-
			2015-Jan-22	LO4136\TH15-05 S5	1100	-
		4.9 - 5.2	2015-Jan-21	LO4109\TH15-05 S7	940	-
	TH15-06	0.6 - 0.9	2015-Jan-21	LO4110\TH15-06 S2	3000	-
		1.5 - 1.8		LO4111\TH15-06 S4	810	-
		5.8 - 6.1		LO4112\TH15-06 S9	910	-
	TH15-07	0.0 - 0.3	2015-Jan-21	LO4113\TH15-07 S1	3100	-
		4.2 - 4.6		LO4114\TH15-07 S6	1700	-
		4.9 - 5.2		LO4115\TH15-07 S7	640	-
	TH15-08	0.0 - 0.6	2015-Jan-20	LO4116\TH15-08 S1	46,000	-
		0.6 - 1.1	2015-Jan-22	LO4117\TH15-08 S2	1100	-
				LO4129\TH15 103	1600	-
		1.1 - 1.5	2015-Jan-22	LO4118\TH15-08 S3	<500	-
	TH15-09	0.5 - 0.6	2015-Jan-22	LO4120\TH15-09 S2	18,000	-
		1.8 - 2.1		LO4121\TH15-09 S4	1300	-
		4.3 - 4.6		LO4122\TH15-09 S7	1900	-
	TH15-10	0.3 - 0.6	2015-Jan-22	LO4123\TH15-10 S1	2000	-
		1.5 - 1.8		LO4124\TH15-10 S3	920	-
		3.3 - 3.6		LO4125\TH15-10 S5	1600	-
	TP1	0.0 - 0.6	2016-Sep-15	TP1-S1	-	0.016
	TP10	0.0 - 0.3	2016-Sep-15	TP10-S1	-	0.0057
	TP2	0.0 - 0.5	2016-Sep-15	TP2-S1	-	0.023
	TP3	0.0 - 0.2	2016-Sep-15	TP3-S1	-	0.041
	TP4	0.0 - 0.3	2016-Sep-15	TP4-S1	-	0.01
	TP5	0.0 - 0.6	2016-Sep-15	TP5-S1	-	0.0052
	TP6	0.0 - 0.3	2016-Sep-15	TP6-S1	-	0.017
	TP7	0.0 - 0.3	2016-Sep-15	TP7-S1	-	0.0097
	TP8	0.0 - 0.3	2016-Sep-15	TP8-S1	-	0.03
	TP9	0.0 - 0.3	2016-Sep-15	TP9-S1	-	0.021

Notes:
m - metres
mbg - metres below grade
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated
• formatting of cells indicates exceedances of like-formatted standards
• where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
• samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs
• laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

TABLE 3: SOIL - PETROLEUM HYDROCARBONS

						Petroleum Hydrocarbons															
						benzene	toluene	ethylbenzene	total xylenes	styrene	methyl tert-butyl ether [MTBE]	VHs6-10	VPHs	EPHs10-19	LEPHs	EPHs19-32	HEPHs	F1 (C6-C10 less BTEX)	F1 (C6-C10)	F2 (C10-C16)	F3 (C16-C34)	F4 (C34-C50)	F4G-SG	reached baseline at C50
						µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	N/A
Reported Detection Limit						0.005	0.02	0.01	0.04	0.03	0.1	10	10	100	100	100	100	10	10	10	10	10	100	
CCME CWS PHC, CL/IL (Coarse Soil)																		**240**	**240**	**260**	**1700**	**3300**	**3300**	
CCME CWS PHC, CL/IL (Fine Soil)																		**170**	**170**	**230**	**2500**	**6600**	**6600**	
CCME SoilQG Tier 1 IL (Coarse Soil)						**0.03**[#1]	**0.37**[#1]	**0.082**[#1]	**11**[#1]	**50**														
CCME SoilQG Tier 1 IL (Fine Soil)						**0.0068**[#2]	**0.08**[#2]	**0.018**[#2]	**2.4**[#2]	**50**														
Site Area	**Sample Location**	**Sample Depth (mbg)**	**Sample Date**	**Sample ID**																			
FFTA	BH16-11	0.6 - 0.7	2016-Sep-12	BH16-11-S2	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	999
		1.2 - 1.5		BH16-11-S3	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	999
		4.9 - 5.8		BH16-11-S6	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	999
	BH16-12	0.0 - 0.3	2016-Sep-12	BH16-12-S1	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	52	330	100	-	999
		0.6 - 1.0	2016-Sep-12	BH16-12-S2	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	39	<10	-	999
			2016-Sep-12	BH16-DUP-B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	18	<10	-	999
		1.1 - 2.0	2016-Sep-12	BH16-12-S3	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	15	<10	-	999
	BH16-13	0.2 - 0.6	2016-Sep-13	BH16-13-S2	<0.005	0.03	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	29	15	-	999
		0.8 - 1.8	2016-Sep-13	BH16-13-S3	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	999
			2016-Sep-13	BH16-DUP-C	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	-	-	-	-	-	-	-
		2.4 - 3.1	2016-Sep-13	BH16-13-S5	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	999
	BH16-14	1.7 - 2.2	2016-Sep-14	BH16-14-S2	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	11	<10	-	999
	BH16-16	0.6 - 1.2	2016-Sep-13	BH16-16-S4	<0.005	<0.02	<0.01	<0.04	<0.03	<0.1	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	999
		4.6 - 5.5		BH16-16-S7	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	999
		11.3 - 12.2		BH16-16-S11	<0.005	<0.02	<0.01	<0.04	<0.03	<0.8	<10	<10	-	-	-	-	<10	<10	<10	12	<10	-	999
	BH16-17	0.5 - 0.8	2016-Sep-14	BH16-17-S2	<0.005	<0.02	<0.01	<0.04	<0.03	<0.7	<10	<10	-	-	-	-	<10	<10	<10	10	<10	-	999
		1.2 - 1.5		BH16-17-S3	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	999
	BH16-19	0.9 - 1.5	2016-Sep-14	BH16-19-S2	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	999
		4.9 - 5.8	2016-Sep-14	BH16-19-S5	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	999
				BH16-DUP-F	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	20	13	-	999
		11.3 - 12.2	2016-Sep-14	BH16-19-S9	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	999
	BH16-20	1.2 - 1.5	2016-Sep-12	BH16-20-S3	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	999
		5.5 - 6.1		BH16-20-S6	<0.005	<0.02	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	999
	BH18-21	0.0 - 0.2	2018-Dec-11	BH18-21-04	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.2 - 0.4	2018-Dec-10	BH18-21-01	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
	BH18-27	0.0 - 0.3	2018-Dec-11	BH18-27-01	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.6 - 0.9		BH18-27-02	<0.005	**0.3**	0.011	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		1.2 - 1.5		BH18-27-03	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	130	130	-	-	-	-	-
		1.7 - 2.0	2018-Dec-12	BH18-27-04	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	67	67	-	-	-	-	-
	BH18-28	0.0 - 0.5	2018-Dec-12	BH18-28-01	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	12	12	-	-	-	-	-
		0.6 - 1.0	2018-Dec-12	BH18-28-02	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
			43446.38194	BH18-28-03	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
	BH18-29	1.7 - 2.0	2018-Dec-13	BH18-29-05	<0.005	<0.05	**0.025**	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
			2018-Dec-13	BH18-29-06	<0.005	<0.05	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		2.6 - 3.0	2018-Dec-13	BH18-29-07	<0.005	<0.05	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
	BH18-30	0.3 - 0.6	2018-Dec-13	BH18-30-02	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.6 - 0.9		BH18-30-03	**0.0085**	<0.02	0.017	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		1.2 - 1.5	2018-Dec-15	BH18-30-04	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
	BH18-31	0.0 - 0.3	2018-Dec-13	BH18-31-01	<0.005	<0.05	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.6 - 0.9		BH18-31-02	<0.005	<0.05	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		1.2 - 1.5		BH18-31-03	<0.005	<0.05	0.012	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
	BH18-32	0.0 - 0.3	2018-Dec-13	BH18-32-01	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.4 - 0.7		BH18-32-02	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.8 - 1.1		BH18-32-03	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		1.2 - 1.5		BH18-32-04	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		1.5 - 1.8	2018-Dec-16	BH18-32-05	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		2.7 - 3.0		BH18-32-07	<0.005	<0.05	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		4.3 - 4.6		BH18-32-09	<0.005	<0.05	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
	BH18-33	1.5 - 1.8	2018-Dec-14	BH18-33-04	<0.005	0.021	**0.59**	1.5	<0.03	-	-	-	-	-	-	-	**630**	**640**	-	-	-	-	-
			2018-Dec-14	BH18-33-05	0.0058	0.026	**0.68**	1.7	<0.03	-	-	-	-	-	-	-	**880**	**890**	-	-	-	-	-
		2.0 - 2.3	2018-Dec-14	BH18-33-06	<0.005	<0.02	**0.096**	0.4	<0.03	-	-	-	-	-	-	-	**290**	**290**	-	-	-	-	-
		3.0 - 3.4		BH18-33-07	<0.005	<0.05	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		4.1 - 4.4		BH18-33-08	<0.005	<0.05	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
	BH18-34	1.2 - 1.5	2018-Dec-13	BH18-34-03	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		1.7 - 2.0	2018-Dec-15	BH18-34-04	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		2.3 - 2.6		BH18-34-05	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
	BH18-35	0.6 - 0.9	2018-Dec-13	BH18-35-02	**0.02**	<0.02	<0.01	0.069	<0.03	-	-	-	-	-	-	-	24	24	-	-	-	-	-
		1.2 - 1.5		BH18-35-03	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		1.7 - 2.0	2018-Dec-15	BH18-35-04	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	20	20	-	-	-	-	-
	BH18-36	1.8 - 2.1	2018-Dec-17	BH18-36-03	**0.0095**	0.028	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	<10	<10	<10	-	1
		2.7 - 3.0		BH18-36-05	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	<10	<10	<10	-	1
	BH18-37	0.9 - 1.2	2018-Dec-17	BH18-37-02	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	<10	37	51	-	1
		2.3 - 2.6		BH18-37-04	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	<10	<10	<10	-	1
	BH18-38	0.2 - 0.5	2018-Dec-17	BH18-38-01	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.6 - 0.9		BH18-38-02	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		2.0 - 2.4	2018-Dec-18	BH18-38-04	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
	BH18-39	0.0 - 0.3	2018-Dec-17	BH18-39-01	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.3 - 0.6		BH18-39-02	<0.005	0.023	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.6 - 0.9		BH18-39-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	1
		1.2 - 1.5		BH18-39-04	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	<10	<10	<10	-	1
		1.7 - 2.0	2018-Dec-18	BH18-39-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	<10	11	-	1
		2.0 - 2.3		BH18-39-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	1
	BH18-40	0.0 - 0.3	2018-Dec-17	BH18-40-01	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.3 - 0.6		BH18-40-02	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.8 - 0.9		BH18-40-03	**0.0087**	0.028	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		1.7 - 2.0	2018-Dec-19	BH18-40-04	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
			2018-Dec-19	BH18-40-05	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		3.8 - 4.1	2018-Dec-19	BH18-40-07	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		4.1 - 4.4		BH18-40-08	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
	BH18-44	0.0 - 0.3	2018-Dec-17	BH18-44-01	<0.005	<0.05	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.6 - 1.1		BH18-44-02	<0.005	<0.05	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	-	-	-	-	-
	BH18-45	1.5 - 1.8	2018-Dec-18	BH18-45-04	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	<10	<10	<10	-	1
		2.0 - 2.3		BH18-45-05	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	<10	13	<10	-	1
		2.7 - 3.0		BH18-45-06	<0.005	<0.02	<0.01	<0.04	<0.03	-	-	-	-	-	-	-	<10	<10	<10	11	<10	-	1
	BH19-48	0.0 - 0.3	2019-Mar-4	BH19-48-01	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.5 - 0.8		BH19-48-02	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.9 - 1.1		BH19-48-03	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		1.4 - 1.5		BH19-48-04	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		1.7 - 1.8		BH19-48-05	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	-	-	-	-	-	-	<10	<10	-	-	-	-	-

TABLE 3: SOIL - PETROLEUM HYDROCARBONS

						Petroleum Hydrocarbons														
						benzene	toluene	ethylbenzene	total xylenes	styrene	methyl tert-butyl ether [MTBE]	VHs6-10	VPHs	EPHs10-19	LEPHs	EPHs19-32	HEPHs	F1 (C6-C10 less BTEX)	F1 (C6-C10)	F2 (C10-C16)	F3 (C16-C34)	F4 (C34-C50)	F4G-SG	reached baseline at C50
						µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	N/A
Reported Detection Limit						0.005	0.02	0.01	0.04	0.03	0.1	10	10	100	100	100	100	10	10	10	10	10	100	
CCME CWS PHC, CL/IL (Coarse Soil)																		**240**	**240**	**260**	**1700**	**3300**	**3300**	
CCME CWS PHC, CL/IL (Fine Soil)																		**170**	**170**	**230**	**2500**	**6600**	**6600**	
CCME SoilQG Tier 1 IL (Coarse Soil)						**0.03**[#1]	**0.37**[#1]	**0.082**[#1]	**11**[#1]	**50**														
CCME SoilQG Tier 1 IL (Fine Soil)						**0.0068**[#2]	**0.08**[#2]	**0.018**[#2]	**2.4**[#2]	**50**														
Site Area	**Sample Location**	**Sample Depth (mbg)**	**Sample Date**	**Sample ID**																				
FFTA	BH19-53	0.0 - 0.2	2019-Mar-5	BH19-53-01	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.5 - 0.6		BH19-53-02	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.9 - 1.1		BH19-53-03	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		1.4 - 1.5		BH19-53-04	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		1.7 - 1.8		BH19-53-05	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	-	-	-	-	-	-	<10	<10	-	-	-	-	-
	BH19-59	1.7 - 2.0	2019-Mar-7	BH19-59-03	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	<10	<10	-	-	-	-	<10	<10	<10	28	25	-	1
		2.6 - 3.0		BH19-59-04	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	<10	<10	-	-	-	-	<10	<10	<10	43	47	-	1
		3.7 - 4.0		BH19-59-07	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	1
	BH19-67	0.9 - 1.2	2019-Mar-8	BH19-67-02	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	<10	<10	-	-	-	-	<10	<10	<10	38	36	-	1
		2.3 - 2.6		BH19-67-04	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	<10	<10	-	-	-	-	<10	<10	<10	49	39	-	1
		3.7 - 3.8		BH19-67-06	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	1
	BH19-69	0.0 - 0.2	2019-Mar-8	BH19-69-01	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.5 - 0.6		BH19-69-02	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		0.9 - 1.1		BH19-69-03	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		1.2 - 1.4		BH19-69-04	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		1.5 - 1.7		BH19-69-05	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	-	-	-	-	-	-	<10	<10	-	-	-	-	-
		2.1 - 2.4	2019-Mar-8	BH19-69-06	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	-	-	-	-	-	-	<10	<10	-	-	-	-	-
			2019-Mar-8	BH19-69-07	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	-	-	-	-	-	-	<10	<10	-	-	-	-	-
	BH20-01	0.9 - 1.2	2020-Jun-30	BH20-01_0.9-1.2	**0.041**	<0.05	**0.4**	2	<0.03	<0.1	480	480	530	530	260	260	**530**	**530**	**950**	930	300	-	1
		1.5 - 1.7		BH20-01_1.5-1.7	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	<10	<10	<100	<100	<100	<100	<10	<10	18	<50	<50	-	1
		2.0 - 2.2		BH20-01_2.0-2.2	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	<10	<10	<100	<100	<100	<100	<10	<10	<10	<50	<50	-	1
		3.0 - 3.2		BH20-01_3.0-3.2	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	<10	<10	<100	<100	<100	<100	<10	<10	<10	<50	<50	-	1
		3.8 - 4.1		BH20-01_3.8-4.1	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	<10	<10	<100	<100	<100	<100	<10	<10	<10	<50	<50	-	1
	BH20-02	0.7 - 1.0	2020-Jun-30	BH20-02_0.7-1.0	**0.042**	<0.05	0.013	<0.04	<0.03	<0.1	28	28	<100	<100	140	140	31	31	17	200	210	-	1
		1.7 - 1.9		BH20-02_1.7-1.9	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	<10	<10	<100	<100	<100	<100	<10	<10	11	<50	<50	-	1
		2.2 - 2.4		BH20-02_2.2-2.4	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	<10	<10	<100	<100	<100	<100	<10	<10	<10	<50	<50	-	1
		3.1 - 3.3	2020-Jun-30	BH20-02_3.1-3.3	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	<10	<10	<100	<100	<100	<100	<10	<10	<10	<50	<50	-	1
			2020-Jun-30	BH20-02_DUP B	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	<10	<10	<100	<100	<100	<100	<10	<10	<10	<50	<50	-	1
		4.1 - 4.3	2020-Jun-30	BH20-02_4.1-4.3	<0.005	<0.05	<0.01	<0.04	<0.03	<0.1	<10	<10	<100	<100	<100	<100	<10	<10	<10	<50	<50	-	1
	TP1	0.0 - 0.6	2016-Sep-15	TP1-S1	**0.011**	0.045	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	34	28	-	999
		0.6 - 1.1		TP1-S2	<0.005	0.021	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	-	-	-	-	-
		1.2 - 1.5		TP1-S3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	12	<10	-	999
	TP10	0.3 - 0.6	2016-Sep-15	TP10-S2	**0.0081**	0.026	<0.01	<0.04	<0.03	<0.6	10	10	-	-	-	-	12	12	16	26	83	230	999
			2016-Sep-15	TP-DUP-C	**0.012**	0.037	0.012	<0.04	<0.03	<0.6	17	17	-	-	-	-	19	19	<10	13	<10	-	999
		0.6 - 1.1	2016-Sep-15	TP10-S3	**0.012**	0.033	0.016	0.054	<0.03	<0.6	59	59	-	-	-	-	63	63	-	-	-	-	-
		1.1 - 1.5		TP10-S4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130	130	36	-	999
	TP2	0.0 - 0.5	2016-Sep-15	TP2-S1	**0.028**	**0.24**	**0.067**	0.36	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	15	180	62	-	999
		0.9 - 1.5		TP2-S3	**0.0069**	0.032	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	999
	TP3	0.2 - 0.4	2016-Sep-15	TP3-S2	**0.0079**	0.034	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	20	10	-	999
		1.1 - 1.5		TP3-S5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	17	<10	-	999
	TP4	0.5 - 1.0	2016-Sep-15	TP4-S2	**0.022**	**0.096**	**0.033**	0.22	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	12	120	110	580	999
		1.0 - 1.5	2016-Sep-15	TP4-S3	**0.0093**	0.037	<0.01	<0.04	<0.03	<0.6	12	12	-	-	-	-	14	14	11	34	19	-	999
			2016-Sep-15	TP-DUP-A	**0.015**	0.024	<0.01	0.056	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	11	<10	-	999
	TP5	0.6 - 0.9	2016-Sep-15	TP5-S2	**0.02**	0.057	**0.049**	0.25	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	130	1300	990	-	999
		1.2 - 1.5		TP5-S4	**0.008**	0.036	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	999
	TP6	0.3 - 0.6	2016-Sep-15	TP6-S2	**0.019**	0.074	**0.026**	0.073	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	34	24	-	999
		1.2 - 1.5		TP6-S4	**0.012**	0.062	**0.019**	0.078	<0.03	<0.6	16	16	-	-	-	-	17	17	**280**	97	72	-	999
	TP7	0.3 - 0.9	2016-Sep-15	TP7-S2	**0.012**	0.053	<0.01	<0.04	<0.03	<0.1	<10	<10	-	-	-	-	<10	<10	<10	15	<10	-	999
		0.9 - 1.5		TP7-S3	**0.0085**	0.038	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	12	12	<10	<10	<10	-	999
	TP8	0.0 - 0.3	2016-Sep-15	TP8-S1	**0.011**	0.047	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	110	65	890	999
		0.6 - 2.1		TP8-S3	<0.005	0.021	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	999
	TP9	0.0 - 0.3	2016-Sep-15	TP9-S1	0.0059	0.032	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	-	-	-	-	-
		0.3 - 0.6		TP9-S2	**0.028**	**0.14**	**0.12**	0.71	<0.03	<0.6	350	350	-	-	-	-	**350**	**360**	**560**	**2300**	**5600**	-	999
		1.2 - 1.5		TP9-S4	**0.01**	0.053	<0.01	<0.04	<0.03	<0.6	<10	<10	-	-	-	-	<10	<10	<10	<10	<10	-	999

Standards / Guidelines Descriptions:

- CCME CWS PHC, CL/IL (Coarse Soil):CCME Canada-Wide Standards for Petroleum Hydrocarbons (PHC) in Soil, Tier 1 Commercial/Industrial (Coarse Soil)
- CCME CWS PHC, CL/IL (Fine Soil):CCME Canada-Wide Standards for Petroleum Hydrocarbons (PHC) in Soil, Tier 1 Commercial/Industrial (Fine Soil)
- CCME SoilQG Tier 1 CL (Coarse Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Industrial (Coarse Soil)
- CCME SoilQG Tier 1 CL (Fine Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Industrial (Fine Soil)

Standards / Guidelines Comments:

#1:Value for coarse soil and ILCR 1 in 100,000. Lower value for fine soil.
#2:Value for fine soil and ILCR of 1 in 100,000. Higher value for coarse soil.

Notes:

m - metres
mbg - metres below grade
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated
- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

CCME - Canadian Council of Ministers of the Environment
BTEX - benzene, toluene, ethylbenzene, xylenes
HSVL - headspace vapour level
MTBE - methyl tert-butyl ether
ppmv - parts per million by volume
F1 (C6-C10) - petroleum hydrocarbon fraction 1 (C_6-C_{10})
F2 (C10-C16) - petroleum hydrocarbon fraction 2 (C_{10}-C_{16})
F3 (C16-C32) - petroleum hydrocarbon fraction 3 (C_{16}-C_{32})
F4 (C32-C50) - petroleum hydrocarbon fraction 4 (C_{32}-C_{50})

TABLE 4: SOIL - POLYCYCLIC AROMATIC HYDROCARBONS

						PAHs																			
						acenaphthylene	acenaphthene	anthracene	benz(a)anthracene	benzo(b)fluoranthene	benzo(b+j)fluoranthenes	benzo(g,h,i)perylene	benzo(k)fluoranthene	benzo(a)pyrene	chrysene	dibenz(a,h)anthracene	fluoranthene	fluorene	indeno(1,2,3-cd)pyrene	methylnaphthalene, 2-	naphthalene	phenanthrene	pyrene	light molecular weight PAHs	heavy molecular weight PAHs	PAHs (sum of total)	IACR (CCME Lab)	B(a)P TPE (Lab)
						µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	N/A	µg/g
Reported Detection Limit						0.005	0.005	0.004	0.02	0.02	0.02	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.05	0.05	0.05	0.1	0.01
CCME SoilQG Tier 1 IL (Coarse Soil)						**320**[#1]	**0.28**[#1]	**32**[#2]	**10**[#3]	**10**[#3]			**10**[#3]	**72**[#2]		**10**[#3]	**180**[#2]	**0.25**[#1]	**10**[#3]		**0.013**[#4]	**0.046**[#4]	**100**[#3]				**1**[#5]	**5.3**[#6]
CCME SoilQG Tier 1 IL (Fine Soil)						**320**[#1]	**0.28**[#1]	**32**[#2]	**10**[#3]	**10**[#3]			**10**[#3]	**72**[#2]		**10**[#3]	**180**[#2]	**0.25**[#1]	**10**[#3]		**0.013**[#4]	**0.046**[#4]	**100**[#3]				**1**[#5]	**5.3**[#6]
CCME SoilQG PAHs Table 1 - IL								**32**[#2]	**10**[#3]	**10**[#3]			**10**[#3]	**72**[#2]		**10**[#3]	**180**[#2]		**10**[#3]		**0.013**[#4]	**0.046**[#4]	**100**[#3]				**1**[#5]	**5.3**[#6]
Site Area	**Sample Location**	**Sample Depth (mbg)**	**Sample Date**	**Sample ID**																								
FFTA	BH16-11	1.2 - 1.5	2016-Sep-12	BH16-11-S3	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
		4.9 - 5.8		BH16-11-S6	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
	BH16-12	0.6 - 1.0	2016-Sep-12	BH16-12-S2	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
			2016-Sep-12	BH16-DUP-B	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
		1.1 - 2.0	2016-Sep-12	BH16-12-S3	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
	BH16-13	0.8 - 1.8	2016-Sep-13	BH16-13-S3	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
		2.4 - 3.1		BH16-13-S5	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
	BH16-14	1.7 - 2.2	2016-Sep-14	BH16-14-S2	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
	BH16-16	0.6 - 1.2	2016-Sep-13	BH16-16-S4	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
		4.6 - 5.5		BH16-16-S7	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
		11.3 - 12.2		BH16-16-S11	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
	BH16-17	0.5 - 0.8	2016-Sep-14	BH16-17-S2	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
		1.2 - 1.5		BH16-17-S3	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
	BH16-19	0.9 - 1.5	2016-Sep-14	BH16-19-S2	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
		4.9 - 5.8	2016-Sep-14	BH16-19-S5	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
				BH16-DUP-F	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
		11.3 - 12.2	2016-Sep-14	BH16-19-S9	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
	BH16-20	1.2 - 1.5	2016-Sep-12	BH16-20-S3	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
		5.5 - 6.1		BH16-20-S6	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
	BH18-36	1.8 - 2.1	2018-Dec-17	BH18-36-03	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.24	0.024
		2.7 - 3.0		BH18-36-05	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.24	0.024
	BH18-37	0.9 - 1.2	2018-Dec-17	BH18-37-02	<0.005	0.014	0.037	0.056	0.045	0.07	<0.05	0.026	0.051	0.06	<0.02	0.16	0.024	0.026	<0.02	<0.01	**0.16**	0.11	0.24	0.55	0.79	0.99	0.08
		2.3 - 2.6		BH18-37-04	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.24	0.024
	BH18-39	0.6 - 0.9	2018-Dec-17	BH18-39-03	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.24	0.024
		1.2 - 1.5		BH18-39-04	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.24	0.024
		1.7 - 2.0	2018-Dec-18	BH18-39-05	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.24	0.024
		2.0 - 2.3		BH18-39-06	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.24	0.024
	BH18-45	1.5 - 1.8	2018-Dec-18	BH18-45-04	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.24	0.024
		2.0 - 2.3		BH18-45-05	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.24	0.024
		2.7 - 3.0		BH18-45-06	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.24	0.024
	BH19-59	1.7 - 2.0	2019-Mar-7	BH19-59-03	<0.005	<0.005	0.0045	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	0.021	<0.02	0.038	<0.02	<0.02	<0.02	<0.01	0.022	0.037	<0.05	0.097	0.12	0.24	0.024
		2.6 - 3.0		BH19-59-04	<0.005	<0.005	0.011	0.031	<0.02	<0.02	<0.05	<0.02	<0.02	0.049	<0.02	0.051	<0.02	<0.02	<0.02	<0.01	**0.048**	0.046	0.059	0.18	0.24	0.32	0.027
		3.7 - 4.0		BH19-59-07	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.24	0.024
	BH19-67	0.9 - 1.2	2019-Mar-8	BH19-67-02	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	0.017	<0.02	<0.05	<0.05	<0.05	0.24	0.024
		2.3 - 2.6		BH19-67-04	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	0.013	<0.02	<0.05	<0.05	<0.05	0.24	0.024
		3.7 - 3.8		BH19-67-06	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.24	0.024
	BH20-01	0.9 - 1.2	2020-Jun-30	BH20-01_0.9-1.2	0.0074	0.051	0.0072	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	0.025	0.1	<0.02	1	**0.42**	**0.17**	0.032	2.5	0.057	2.5	-	-
		1.5 - 1.7		BH20-01_1.5-1.7	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.021	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	-	-
		2.0 - 2.2		BH20-01_2.0-2.2	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	-	-
		3.0 - 3.2		BH20-01_3.0-3.2	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	-	-
		3.8 - 4.1		BH20-01_3.8-4.1	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	-	-
	BH20-02	0.7 - 1.0	2020-Jun-30	BH20-02_0.7-1.0	<0.005	0.0075	0.016	0.049	0.047	0.075	<0.05	0.026	0.065	0.064	<0.02	0.088	<0.02	0.046	<0.02	<0.01	**0.066**	0.11	0.09	0.52	0.61	-	-
		1.7 - 1.9		BH20-02_1.7-1.9	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	0.013	<0.02	<0.05	<0.05	<0.05	-	-
		2.2 - 2.4		BH20-02_2.2-2.4	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	-	-
		3.1 - 3.3	2020-Jun-30	BH20-02_3.1-3.3	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	-	-
			2020-Jun-30	BH20-02_DUP B	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	-	-
		4.1 - 4.3	2020-Jun-30	BH20-02_4.1-4.3	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	-	-
	TP1	0.0 - 0.6	2016-Sep-15	TP1-S1	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
		1.2 - 1.5		TP1-S3	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041

TABLE 4: SOIL - POLYCYCLIC AROMATIC HYDROCARBONS

					PAHs																				
					acenaphthylene	acenaphthene	anthracene	benz[a]anthracene	benzo(b)fluoranthene	benzo(b+j)fluoranthenes	benzo[g,h,i]perylene	benzo(k)fluoranthene	benzo(a)pyrene	chrysene	dibenz[a,h]anthracene	fluoranthene	fluorene	indeno(1,2,3-cd)pyrene	methylnaphthalene, 2-	naphthalene	phenanthrene	pyrene	light molecular weight PAHs	heavy molecular weight PAHs	PAHs (sum of total)	IACR (CCME Lab)	B(a)P TPE (Lab)
					µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	N/A	µg/g
Reported Detection Limit					0.005	0.005	0.004	0.02	0.02	0.02	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.05	0.05	0.05	0.1	0.01
CCME SoilQG Tier 1 IL (Coarse Soil)					**320**[#1]	**0.28**[#1]	**32**[#2]	**10**[#3]	**10**[#3]			**10**[#3]	**72**[#2]		**10**[#3]	**180**[#2]	**0.25**[#1]	**10**[#3]		**0.013**[#4]	**0.046**[#4]	**100**[#3]				**1**[#5]	**5.3**[#6]
CCME SoilQG Tier 1 IL (Fine Soil)					**320**[#1]	**0.28**[#1]	**32**[#2]	**10**[#3]	**10**[#3]			**10**[#3]	**72**[#2]		**10**[#3]	**180**[#2]	**0.25**[#1]	**10**[#3]		**0.013**[#4]	**0.046**[#4]	**100**[#3]				**1**[#5]	**5.3**[#6]
CCME SoilQG PAHs Table 1 - IL							**32**[#2]	**10**[#3]	**10**[#3]			**10**[#3]	**72**[#2]		**10**[#3]	**180**[#2]		**10**[#3]		**0.013**[#4]	**0.046**[#4]	**100**[#3]				**1**[#5]	**5.3**[#6]
Site Area	**Sample Location**	**Sample Depth (mbg)**	**Sample Date**	**Sample ID**																							
FFTA	TP10	0.3 - 0.6	2016-Sep-15	TP10-S2	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
			2016-Sep-15	TP-DUP-C	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
		1.1 - 1.5	2016-Sep-15	TP10-S4	<0.005	0.0083	0.0048	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	0.021	<0.05	0.15	**0.036**	**0.052**	<0.02	0.27	<0.05	0.27	0.31	0.041
	TP2	0.0 - 0.5	2016-Sep-15	TP2-S1	<0.005	<0.005	0.0056	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	0.024	0.01	0.024	<0.02	0.065	<0.05	0.065	0.31	0.041
		0.9 - 1.5		TP2-S3	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
	TP3	0.2 - 0.4	2016-Sep-15	TP3-S2	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
		1.1 - 1.5		TP3-S5	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
	TP4	0.5 - 1.0	2016-Sep-15	TP4-S2	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	0.04	**0.044**	<0.01	<0.02	0.085	<0.05	0.085	0.31	0.041
		1.0 - 1.5	2016-Sep-15	TP4-S3	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
			2016-Sep-15	TP-DUP-A	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
	TP5	0.6 - 0.9	2016-Sep-15	TP5-S2	<0.005	0.01	0.0051	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	0.028	0.06	<0.05	0.17	**0.053**	0.045	0.045	0.35	0.073	0.42	0.31	0.041
		1.2 - 1.5		TP5-S4	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
	TP6	0.3 - 0.6	2016-Sep-15	TP6-S2	<0.005	0.0052	0.0084	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	0.02	<0.05	0.033	<0.02	<0.05	<0.02	<0.01	0.036	0.035	<0.05	0.088	0.14	0.31	0.041
		1.2 - 1.5		TP6-S4	0.0074	**0.36**	0.04	0.056	0.038	0.062	<0.05	0.021	0.042	0.073	<0.05	0.2	0.22	<0.05	0.59	**4**	**0.26**	0.18	5.5	0.63	6.1	0.96	0.084
	TP7	0.3 - 0.9	2016-Sep-15	TP7-S2	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
		0.9 - 1.5		TP7-S3	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
	TP8	0.0 - 0.3	2016-Sep-15	TP8-S1	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
		0.6 - 2.1		TP8-S3	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041
	TP9	0.3 - 0.6	2016-Sep-15	TP9-S2	0.013	0.019	0.042	0.076	0.087	0.14	0.15	0.034	0.11	0.092	<0.05	0.24	0.078	0.099	0.089	**0.2**	**0.23**	0.38	0.67	1.3	2	**1.8**	0.17
		1.2 - 1.5		TP9-S4	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05	0.31	0.041

Standards / Guidelines Descriptions:

- CCME SoilQG Tier 1 IL (Coarse Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Industrial (Coarse Soil)
- CCME SoilQG Tier 1 IL (Fine Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Industrial (Fine Soil)
- CCME SoilQG PAHs Table 1 - IL:CCME PAHs Soil Quality Guidelines for the Protection of Environment and Human Health (Table 1), Industrial

Standards / Guidelines Comments:

#1:No SQGe listed. Provisional value based on the protection of freshwater aquatic life. If impact to surface water is not a concern, see PAH Fact Sheet.
#2:Ecological receptors only, based on non-carcinogenic effects of PAHs.
#3:Ecological receptors only, based on non-carcinogenic effects of PAHs. Value based on Interim Soil Quality Criteria (CCME 1991)
#4:Ecological receptors only (freshwater aquatic life), based on non-carcinogenic effects of PAHs. If impact to surface water is not a concern, revert to 1997 provisional SQGe (see Table 2 in PAH Fact Sheet).
#5:For the protection of potable water.
#6:SQG based on an incremental lifetime cancer risk (ILCR) of 1 in 100,000.

Notes:

m - metres
mbg - metres below grade
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

CCME - Canadian Council of Ministers of the Environment
PAH - polycyclic aromatic hydrocarbons
IACR (CCME Lab) - Index of Additive Cancer Risk
B[a]P TPE (Lab) - Benzo[a]pyrene Total Potency Equivalents

TABLE 5: SOIL - VOLATILE ORGANIC COMPOUNDS

Site Area	Sample Location	Sample Depth (mbg)	Sample Date	Sample ID	bromodichloromethane	bromoform	bromomethane	carbon tetrachloride	chlorobenzene	chloroethane	chloroform	chloromethane	dibromochloromethane [DBCM]	dibromoethane, 1,2-	dichlorobenzene, 1,2-	dichlorobenzene, 1,3	dichlorobenzene, 1,4	dichloroethane, 1,1-	dichloroethane, 1,2-	dichloroethylene, 1,1-	dichloroethylene, 1,2-cis-	dichloroethylene, 1,2-trans-	dichloromethane	dichloropropane, 1,2-	dichloropropene, cis-1,3-	dichloropropene, trans-1,3-	hexachlorobutadiene	tetrachloroethane, 1,1,1,2-	tetrachloroethane, 1,1,2,2-	tetrachloroethylene	trichlorobenzene, 1,2,3-	trichlorobenzene, 1,2,4-	trichloroethane, 1,1,1-	trichloroethane, 1,1,2-	trichloroethylene	trichlorofluoromethane	vinyl chloride
					VOCs																																
					µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit					0.05	0.05	0.3	0.02	0.02	0.1	0.02	0.05	0.05	0.02	0.02	0.02	0.02	0.025	0.02	0.025	0.025	0.025	0.08	0.02	0.02	0.02	0.2	0.02	0.02	0.01	0.025	0.025	0.02	0.02	0.005	0.2	0.04
CCME SoilQG Tier 1 IL (Coarse Soil)								**50**	**10**		**50**				**10**	**10**	**10**	**50**	**50**	**50**			**50**	**50**					**50**	**0.5**	**10**	**10**	**50**	**50**	**0.01**		
CCME SoilQG Tier 1 IL (Fine Soil)								**50**	**10**		**50**				**10**	**10**	**10**	**50**	**50**	**50**			**50**	**50**					**50**	**0.5**	**10**	**10**	**50**	**50**	**0.01**		
FFTA	BH16-11	0.6 - 0.7	2016-Sep-12	BH16-11-S2	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		1.2 - 1.5		BH16-11-S3	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		4.9 - 5.8		BH16-11-S6	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
	BH16-12	0.0 - 0.3	2016-Sep-12	BH16-12-S1	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		0.6 - 1.0		BH16-12-S2	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		1.1 - 2.0		BH16-12-S3	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
	BH16-13	0.2 - 0.6	2016-Sep-13	BH16-13-S2	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		0.8 - 1.8	2016-Sep-13	BH16-13-S3	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
			2016-Sep-13	BH16-DUP-C	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		2.4 - 3.1	2016-Sep-13	BH16-13-S5	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
	BH16-14	1.7 - 2.2	2016-Sep-14	BH16-14-S2	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
	BH16-16	0.6 - 1.2	2016-Sep-13	BH16-16-S4	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		4.6 - 5.5		BH16-16-S7	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		11.3 - 12.2		BH16-16-S11	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
	BH16-17	0.5 - 0.8	2016-Sep-14	BH16-17-S2	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		1.2 - 1.5		BH16-17-S3	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
	BH16-19	0.9 - 1.5	2016-Sep-14	BH16-19-S2	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		4.9 - 5.8	2016-Sep-14	BH16-19-S5	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
				BH16-DUP-F	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		11.3 - 12.2	2016-Sep-14	BH16-19-S9	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
	BH16-20	1.2 - 1.5	2016-Sep-12	BH16-20-S3	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		5.5 - 6.1		BH16-20-S6	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
	BH19-48	0.0 - 0.3	2019-Mar-4	BH19-48-01	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		0.5 - 0.8		BH19-48-02	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		0.9 - 1.1		BH19-48-03	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		1.4 - 1.5		BH19-48-04	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		1.7 - 1.8		BH19-48-05	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
	BH19-53	0.0 - 0.2	2019-Mar-5	BH19-53-01	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	0.082	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		0.5 - 0.6		BH19-53-02	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		0.9 - 1.1		BH19-53-03	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		1.4 - 1.5		BH19-53-04	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		1.7 - 1.8		BH19-53-05	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
	BH19-59	1.7 - 2.0	2019-Mar-7	BH19-59-03	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		2.6 - 3.0		BH19-59-04	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		3.7 - 4.0		BH19-59-07	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
	BH19-67	0.9 - 1.2	2019-Mar-8	BH19-67-02	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		2.3 - 2.6		BH19-67-04	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		3.7 - 3.8		BH19-67-06	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
	BH19-69	0.0 - 0.2	2019-Mar-8	BH19-69-01	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		0.5 - 0.6		BH19-69-02	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		0.9 - 1.1		BH19-69-03	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		1.2 - 1.4		BH19-69-04	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		1.5 - 1.7		BH19-69-05	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		2.1 - 2.4	2019-Mar-8	BH19-69-06	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
			2019-Mar-8	BH19-69-07	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04

TABLE 5: SOIL - VOLATILE ORGANIC COMPOUNDS

						VOCs																																			
						bromodichloromethane	bromoform	bromomethane	carbon tetrachloride	chlorobenzene	chloroethane	chloroform	chloromethane	dibromochloromethane [DBCM]	dibromoethane, 1,2-	dichlorobenzene, 1,2-	dichlorobenzene, 1,3	dichlorobenzene, 1,4	dichloroethane, 1,1-	dichloroethane, 1,2-	dichloroethylene, 1,1-	dichloroethylene, 1,2-cis-	dichloroethylene, 1,2-trans-	dichloromethane	dichloropropane, 1,2-	dichloropropene, cis-1,3-	dichloropropene, trans-1,3-	hexachlorobutadiene	tetrachloroethane, 1,1,1,2-	tetrachloroethane, 1,1,2,2-	tetrachloroethylene	trichlorobenzene, 1,2,3-	trichlorobenzene, 1,2,4-	trichloroethane, 1,1,1-	trichloroethane, 1,1,2-	trichloroethylene	trichlorofluoromethane	vinyl chloride
						µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit						0.05	0.05	0.3	0.02	0.02	0.1	0.02	0.05	0.05	0.02	0.02	0.02	0.02	0.025	0.02	0.025	0.025	0.025	0.08	0.02	0.02	0.02	0.2	0.02	0.02	0.01	0.025	0.025	0.02	0.02	0.005	0.2	0.04
CCME SoilQG Tier 1 IL (Coarse Soil)									**50**	**10**		**50**				**10**	**10**	**10**	**50**	**50**	**50**			**50**	**50**					**50**	**0.5**	**10**	**10**	**50**	**50**	**0.01**		
CCME SoilQG Tier 1 IL (Fine Soil)									**50**	**10**		**50**				**10**	**10**	**10**	**50**	**50**	**50**			**50**	**50**					**50**	**0.5**	**10**	**10**	**50**	**50**	**0.01**		
Site Area	**Sample Location**	**Sample Depth (mbg)**	**Sample Date**	**Sample ID**																																				
FFTA	BH20-01	0.9 - 1.2	2020-Jun-30	BH20-01_0.9-1.2	<0.05	<0.05	<0.3	<0.02	1.5	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	0.11	0.71	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		1.5 - 1.7		BH20-01_1.5-1.7	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		2.0 - 2.2		BH20-01_2.0-2.2	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		3.0 - 3.2		BH20-01_3.0-3.2	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		3.8 - 4.1		BH20-01_3.8-4.1	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
	BH20-02	0.7 - 1.0	2020-Jun-30	BH20-02_0.7-1.0	<0.05	<0.05	<0.3	<0.02	1.2	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	0.085	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		1.7 - 1.9		BH20-02_1.7-1.9	<0.05	<0.05	<0.3	<0.02	0.26	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	0.022	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		2.2 - 2.4		BH20-02_2.2-2.4	<0.05	<0.05	<0.3	<0.02	0.21	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		3.1 - 3.3	2020-Jun-30	BH20-02_3.1-3.3	<0.05	<0.05	<0.3	<0.02	0.18	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
			2020-Jun-30	BH20-02_DUP B	<0.05	<0.05	<0.3	<0.02	0.22	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
		4.1 - 4.3	2020-Jun-30	BH20-02_4.1-4.3	<0.05	<0.05	<0.3	<0.02	<0.02	<0.1	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.025	<0.02	<0.025	<0.03	<0.03	<0.08	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.01	<0.03	<0.03	<0.02	<0.02	<0.009	<0.2	<0.04
	TP1	0.0 - 0.6	2016-Sep-15	TP1-S1	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	0.04	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		0.6 - 1.1		TP1-S2	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
	TP10	0.3 - 0.6	2016-Sep-15	TP10-S2	<0.05	<0.05	<0.3	<0.025	0.49	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	0.14	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	0.11	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
			2016-Sep-15	TP-DUP-C	<0.05	<0.05	<0.3	<0.025	0.89	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	0.17	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	0.15	0.026	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		0.6 - 1.1	2016-Sep-15	TP10-S3	<0.05	<0.05	<0.3	<0.025	0.047	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	0.051	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	0.41	<0.025	<0.025	<0.025	<0.025	0.042	<0.005	<0.2	<0.06
	TP2	0.0 - 0.5	2016-Sep-15	TP2-S1	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	0.084	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		0.9 - 1.5		TP2-S3	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	0.027	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
	TP3	0.2 - 0.4	2016-Sep-15	TP3-S2	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	0.033	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
	TP4	0.5 - 1.0	2016-Sep-15	TP4-S2	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	0.035	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		1.0 - 1.5	2016-Sep-15	TP4-S3	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	0.47	0.032	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
			2016-Sep-15	TP-DUP-A	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	0.16	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
	TP5	0.6 - 0.9	2016-Sep-15	TP5-S2	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	0.045	0.03	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		1.2 - 1.5		TP5-S4	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	0.032	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
	TP6	0.3 - 0.6	2016-Sep-15	TP6-S2	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	0.062	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		1.2 - 1.5		TP6-S4	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	0.049	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
	TP7	0.3 - 0.9	2016-Sep-15	TP7-S2	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	0.04	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		0.9 - 1.5		TP7-S3	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	0.034	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
	TP8	0.0 - 0.3	2016-Sep-15	TP8-S1	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	0.038	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		0.6 - 2.1		TP8-S3	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
	TP9	0.0 - 0.3	2016-Sep-15	TP9-S1	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	0.026	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06
		0.3 - 0.6		TP9-S2	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	0.027	0.078	<0.025	0.065	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	11	0.082	<0.025	<0.025	<0.025	0.28	<0.005	<0.2	<0.06
		1.2 - 1.5		TP9-S4	<0.05	<0.05	<0.3	<0.025	<0.025	<0.1	<0.05	<0.1	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	<0.05	<0.05	<0.2	<0.025	<0.025	0.049	<0.025	<0.025	<0.025	<0.025	<0.005	<0.2	<0.06

Standards / Guidelines Descriptions:

- CCME SoilQG Tier 1 IL (Coarse Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Industrial (Coarse Soil)
- CCME SoilQG Tier 1 IL (Fine Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Industrial (Fine Soil)

Notes:

m - metres
mbg - metres below grade
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

CCME - Canadian Council of Ministers of the Environment
VOCs - volatile organic compounds

TABLE 6: SOIL - PHENOLS

	Phenols
	pentachlorophenol [PCP]
	µg/g
Reported Detection Limit	0.004
CCME SoilQG Tier 1 IL (Coarse Soil)	**7.6**
CCME SoilQG Tier 1 IL (Fine Soil)	**7.6**

Site Area	Sample Location	Sample Depth (mbg)	Sample Date	Sample ID	
FFTA	BH19-59	1.7 - 2.0	2019-Mar-7	BH19-59-03	<0.004
		2.6 - 3.0		BH19-59-04	<0.004
		3.7 - 4.0		BH19-59-07	<0.004
	BH19-67	0.9 - 1.2	2019-Mar-8	BH19-67-02	<0.004
		2.3 - 2.6		BH19-67-04	<0.004
		3.7 - 3.8		BH19-67-06	<0.004

Standards / Guidelines Descriptions:

- CCME SoilQG Tier 1 IL (Coarse Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Industrial (Coarse Soil)
- CCME SoilQG Tier 1 IL (Fine Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Industrial (Fine Soil)

Notes:

m - metres

mbg - metres below grade

< - less than reported detection limit

'-' - sample not analyzed for parameter indicated

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

CCME - Canadian Council of Ministers of the Environment

TABLE 7: SOIL - GLYCOLS

					Glycols			
					ethylene glycol	diethylene glycol	triethylene glycol	propylene glycol, 1,2-
					µg/g	µg/g	µg/g	µg/g
Reported Detection Limit					10	10	10	10
CCME SoilQG Tier 1 IL (Coarse Soil)					**960**			
CCME SoilQG Tier 1 IL (Fine Soil)					**960**			
Site Area	**Sample Location**	**Sample Depth (mbg)**	**Sample Date**	**Sample ID**				
FFTA	BH19-59	1.7 - 2.0	2019-Mar-7	BH19-59-03	<10	<10	<10	<10
		2.6 - 3.0		BH19-59-04	<10	<10	<10	<10
		3.7 - 4.0		BH19-59-07	<10	<10	<10	<10
	BH19-67	0.9 - 1.2	2019-Mar-8	BH19-67-02	<10	<10	<10	<10
		2.3 - 2.6		BH19-67-04	<10	<10	<10	<10
		3.7 - 3.8		BH19-67-06	<10	<10	<10	<10
	BH20-01	0.9 - 1.2	2020-Jun-30	BH20-01_0.9-1.2	<10	<10	<10	<10
		1.5 - 1.7		BH20-01_1.5-1.7	<10	<10	<10	<10
		2.0 - 2.2		BH20-01_2.0-2.2	<10	<10	<10	<10
		3.0 - 3.2		BH20-01_3.0-3.2	<10	<10	<10	<10
		3.8 - 4.1		BH20-01_3.8-4.1	<10	<10	<10	<10
	BH20-02	0.7 - 1.0	2020-Jun-30	BH20-02_0.7-1.0	<10	<10	<10	<10
		1.7 - 1.9		BH20-02_1.7-1.9	<10	<10	<10	<10
		2.2 - 2.4		BH20-02_2.2-2.4	<10	<10	<10	<10
		3.1 - 3.3	2020-Jun-30	BH20-02_3.1-3.3	<10	<10	<10	<10
			2020-Jun-30	BH20-02_DUP B	<10	<10	<10	<10
		4.1 - 4.3	2020-Jun-30	BH20-02_4.1-4.3	<10	<10	<10	<10

Standards / Guidelines Descriptions:

- CCME SoilQG Tier 1 IL (Coarse Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Industrial (Coarse Soil)
- CCME SoilQG Tier 1 IL (Fine Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Industrial (Fine Soil)

Notes:

m - metres

mbg - metres below grade

< - less than reported detection limit

'-' - sample not analyzed for parameter indicated

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

CCME - Canadian Council of Ministers of the Environment

TABLE 8: SOIL - METALS

					Metals																															
Site Area	Sample Location	Sample Depth (mbg)	Sample Date	Sample ID	pH (lab)	aluminum	antimony	arsenic	barium	beryllium	bismuth	cadmium	calcium	chromium (III+VI)	cobalt	copper	iron	lead	lithium	magnesium	manganese	mercury	molybdenum	nickel	potassium	selenium	silver	sodium	strontium	thallium	tin	titanium	uranium	vanadium	zinc	zirconium
					pH_Units	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit						100	0.1	0.2	0.1	0.2	0.1	0.05	100	0.5	0.1	0.5	100	0.1	0.5	100	0.2	0.05	0.1	0.5	100	0.5	0.05	100	0.1	0.05	0.1	1	0.05	1	1	0.5
CCME SoilQG Tier 1 IL (Coarse Soil)					**6-8**		**40**	**12**	**2000**	**8**		**22**		**87**	**300**	**91**		**260**				**24**	**40**	**89**		**2.9**	**40**			**1**	**300**		**33**	**130**	**410**	
CCME SoilQG Tier 1 IL (Fine Soil)					**6-8**		**40**	**12**	**2000**	**8**		**22**		**87**	**300**	**91**		**260**				**24**	**40**	**89**		**2.9**	**40**			**1**	**300**		**33**	**130**	**410**	
FFTA	BH16-11	1.2 - 1.5	2016-Sep-12	BH16-11-S3	**8.76**	12,600	0.15	3.33	31.9	<0.4	<0.1	0.301	10,400	19.2	9.69	37.2	23,400	1.66	5.6	5150	328	<0.05	0.35	14.8	536	<0.5	0.085	480	31.1	<0.05	0.31	1510	0.371	81.6	36.5	4.7
		4.9 - 5.8		BH16-11-S6	**8.7**	9650	0.1	2.77	29.7	<0.4	<0.1	0.178	9620	15	6.72	22.4	17,700	1.29	5.2	4470	238	<0.05	0.41	11.1	626	<0.5	<0.05	489	31.5	<0.05	0.22	1420	0.439	64.9	27.8	3.7
	BH16-12	0.6 - 1.0	2016-Sep-12	BH16-12-S2	6.22	25,800	0.15	3.49	65.4	<0.4	<0.1	0.261	5190	38	13.1	36.3	33,400	3.28	9.8	5130	402	<0.05	1.31	19.1	590	<0.5	0.098	147	21.2	0.066	0.49	2240	0.456	128	40.2	5.6
			2016-Sep-12	BH16-DUP-B	6.28	27,600	0.16	3.64	64.3	<0.4	<0.1	0.287	4990	37.4	13.5	39.6	35,100	3.24	9.7	6170	390	<0.05	0.95	20.2	606	<0.5	0.088	156	20	0.076	0.44	2070	0.433	122	40.3	6.42
		1.1 - 2.0	2016-Sep-12	BH16-12-S3	7.39	18,400	0.17	4.49	54	<0.4	<0.1	0.312	9630	37.5	12.6	49.9	31,300	2.02	6.5	5920	423	<0.05	0.39	19.6	455	<0.5	0.104	383	32	<0.05	0.37	1990	0.298	117	38.4	7.35
	BH16-13	0.8 - 1.8	2016-Sep-13	BH16-13-S3	7.4	15,900	0.2	4.86	41.5	<0.4	<0.1	0.418	9610	34.7	13.7	57.6	30,400	2.11	5.5	5220	593	<0.05	0.32	20	733	<0.5	0.089	375	31.9	<0.05	0.34	1870	0.271	111	46.8	8.12
		2.4 - 3.1		BH16-13-S5	7.9	13,200	0.13	4.43	33.5	<0.4	<0.1	0.287	10,400	22.8	10.4	42.3	26,900	1.62	5.3	5590	364	<0.05	0.22	16.8	580	<0.5	0.056	513	28.8	<0.05	0.23	1540	0.191	90.6	40.6	6.42
	BH16-14	1.7 - 2.2	2016-Sep-14	BH16-14-S2	7.27	21,200	0.16	4.74	87	<0.4	<0.1	0.352	9720	42.3	15.6	54.6	33,500	3.4	13.3	8620	634	<0.05	0.31	25.4	1970	<0.5	0.094	565	43.3	0.093	0.37	1740	0.449	107	69.1	7.14
	BH16-16	0.6 - 1.2	2016-Sep-13	BH16-16-S4	7.11	15,200	0.16	4.7	34.3	<0.4	<0.1	0.347	9330	33.8	13.6	45.7	34,500	1.74	5.5	5450	413	<0.05	0.38	18.6	366	<0.5	0.073	384	27	<0.05	0.42	1840	0.242	108	41	9.09
		4.6 - 5.5		BH16-16-S7	**8.68**	10,600	0.1	3.01	28.7	<0.4	<0.1	0.2	9400	13.9	7.24	26.6	19,400	1.23	<5	4710	230	<0.05	0.24	11.4	536	<0.5	0.054	394	29.6	<0.05	0.25	1280	0.258	69.8	30.1	4.12
		11.3 - 12.2		BH16-16-S11	**8.82**	11,200	0.13	2.97	40.1	<0.4	<0.1	0.448	9690	15.4	7.91	25.8	20,000	1.68	7.2	5190	266	<0.05	0.31	11.8	851	<0.5	0.43	518	34.9	<0.05	0.22	1350	0.324	70.2	33.6	3.71
	BH16-17	0.5 - 0.8	2016-Sep-14	BH16-17-S2	6.54	21,300	0.16	3.93	72.4	<0.4	<0.1	0.312	6250	41.4	17.5	48	34,000	2.63	6.4	5620	480	<0.05	0.6	18.9	475	<0.5	0.065	252	22.4	0.053	0.38	1910	0.36	113	36.4	8.74
		1.2 - 1.5		BH16-17-S3	**8.07**	13,300	0.15	4.14	32.3	<0.4	<0.1	0.385	9790	22.5	10.7	40.9	26,000	1.63	5.8	5790	421	<0.05	0.32	17.8	385	<0.5	0.08	487	27.3	<0.05	0.29	1570	0.201	90.2	41	7.1
	BH16-19	0.9 - 1.5	2016-Sep-14	BH16-19-S2	**8.87**	15,200	0.13	3.41	40	<0.4	<0.1	0.37	13,900	22.3	11.8	45.5	26,700	1.66	6.8	7210	393	<0.05	0.31	19.1	836	<0.5	0.151	568	37	<0.05	0.29	1810	0.22	91.8	43.9	6.05
		4.9 - 5.8	2016-Sep-14	BH16-19-S5	**8.83**	7080	<0.1	2.13	23	<0.4	<0.1	0.148	7340	10.6	4.58	14.4	14,100	1.03	<5	2940	160	<0.05	0.35	6.95	472	<0.5	0.063	350	23.5	<0.05	0.15	963	0.296	52.3	20	2.27
				BH16-DUP-F	**8.83**	6640	<0.1	2.19	23.2	<0.4	<0.1	0.166	6970	10.6	4.58	14.2	14,100	0.95	<5	2870	155	<0.05	0.34	6.83	416	<0.5	0.053	343	23.8	<0.05	0.14	916	0.269	52.6	19.8	2.32
		11.3 - 12.2	2016-Sep-14	BH16-19-S9	**8.82**	7120	<0.1	2.2	25.5	<0.4	<0.1	0.126	7030	11.4	5.05	15.8	14,100	1	<5	3470	168	<0.05	0.2	7.58	518	<0.5	0.056	326	23.1	<0.05	0.12	909	0.306	49.6	21.5	2.26
	BH16-20	1.2 - 1.5	2016-Sep-12	BH16-20-S3	7.09	21,000	0.11	3.39	62	<0.4	<0.1	0.295	5400	41	10.9	38	30,900	2.28	8	5550	300	<0.05	0.51	16.3	507	<0.5	0.057	213	25.2	0.059	0.36	1530	0.475	104	29.9	8.37
		5.5 - 6.1		BH16-20-S6	**8.79**	7270	0.24	2.1	23.5	<0.4	<0.1	0.129	6910	11.9	5.24	14.6	15,400	0.96	<5	3210	162	<0.05	0.22	8.06	493	<0.5	<0.05	354	21.1	<0.05	0.16	924	0.231	55.1	22	2.84
	BH18-32	0.0 - 0.3	2018-Dec-13	BH18-32-01	-	-	-	2.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		0.4 - 0.7		BH18-32-02	-	-	-	2.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		0.8 - 1.1		BH18-32-03	-	-	-	4.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH18-33	0.0 - 0.3	2018-Dec-13	BH18-33-01	-	-	-	9.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		0.6 - 0.9		BH18-33-02	-	-	-	3.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH18-36	1.1 - 1.4	2018-Dec-17	BH18-36-02	6.78	20,300	0.44	4.59	49.9	0.27	<0.1	0.12	10,200	36.6	13.8	53.1	34,600	21.1	6.3	5790	324	<0.05	0.39	24	461	<0.5	<0.05	405	35.5	<0.05	0.59	2290	0.382	125	105	12.3
		2.7 - 3.0		BH18-36-05	7.57	17,300	0.17	4.33	41.2	0.25	<0.1	0.095	12,400	29.9	13	52.4	33,700	2.37	6.3	6530	430	<0.05	0.62	21.1	587	<0.5	<0.05	584	36.8	<0.05	0.45	2190	0.246	117	42.6	14.6
	BH18-37	0.9 - 1.2	2018-Dec-17	BH18-37-02	6.86	21,500	0.54	5.87	43.2	0.26	<0.1	0.219	9670	32.6	14.1	58.2	34,100	18.7	6.9	6250	546	<0.05	0.66	23.4	381	<0.5	0.07	305	29	<0.05	0.72	2280	0.438	118	58.8	9.75
	BH18-40	0.0 - 0.3	2018-Dec-17	BH18-40-01	-	-	-	1.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		0.3 - 0.6		BH18-40-02	-	-	-	4.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		0.8 - 0.9		BH18-40-03	-	-	-	4.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH19-59	1.7 - 2.0	2019-Mar-7	BH19-59-03	6.69	18,400	0.34	3.6	36.3	0.23	<0.1	0.188	8290	27.1	11	46.2	28,000	17.5	6.1	5080	424	<0.05	0.45	18.7	342	<0.5	0.052	274	24.8	<0.05	0.59	1920	0.371	97.8	45.9	7.92
		2.6 - 3.0		BH19-59-04	6.79	18,000	0.44	3.59	37.2	0.21	<0.1	0.163	8620	28.2	11.6	46.5	28,900	17	6.2	5670	424	<0.05	0.48	19.5	371	<0.5	0.059	286	25.1	<0.05	0.53	2070	0.371	102	48.3	9.33
		3.7 - 4.0		BH19-59-07	**8.64**	15,700	0.14	3.31	30.6	<0.2	<0.1	0.093	14,100	19.7	11.9	46.5	29,700	1.48	5.2	6670	347	<0.05	0.28	19	525	<0.5	<0.05	491	31.1	<0.05	0.33	1640	0.19	92.7	34.3	10.4
	BH19-67	0.9 - 1.2	2019-Mar-8	BH19-67-02	6.92	17,600	0.35	3.62	36.5	0.21	<0.1	0.196	8480	26.9	10.8	42.8	27,000	15.4	6	5030	402	<0.05	0.5	18.5	352	<0.5	0.074	268	26.3	<0.05	0.54	1860	0.378	96.6	47.3	8.66
		2.3 - 2.6		BH19-67-04	6.75	19,100	0.27	3.54	40.1	0.23	<0.1	0.151	8780	28.6	11.3	44	28,500	13.9	6.3	5340	406	<0.05	0.44	19.4	377	<0.5	<0.05	253	25.4	<0.05	0.54	2100	0.389	102	42.8	8.57
		3.7 - 3.8		BH19-67-06	7.6	14,500	0.13	2.6	47.2	<0.2	<0.1	0.054	9790	22.5	10.2	39.5	26,700	1.54	5.7	5500	367	<0.05	0.22	15.4	606	<0.5	<0.05	567	30.8	<0.05	0.34	1660	0.24	83.9	33.2	9.61
	BH20-01	0.9 - 1.2	2020-Jun-30	BH20-01_0.9-1.2	7.26	22,100	0.18	3.76	78.6	0.33	<0.1	0.06	7210	39.9	14.4	52.7	34,300	3.8	7.85	6480	472	0.073	0.3	20.2	645	<0.5	<0.05	303	31.1	0.065	0.44	1790	0.425	116	36.4	9.45
		1.5 - 1.7		BH20-01_1.5-1.7	7.8	16,300	0.16	4.48	48.7	0.25	<0.1	0.167	10,400	33.2	13.1	48.8	32,500	2.33	6.8	6380	508	<0.05	0.68	19.9	654	<0.5	<0.05	585	34.2	0.056	0.38	1690	0.374	103	41.7	10.4
		2.0 - 2.2		BH20-01_2.0-2.2	7.87	16,600	0.19	4.65	43.5	0.25	<0.1	0.118	11,400	31.5	12.9	50.3	32,200	2.09	6.85	6400	505	<0.05	0.59	20.5	625	<0.5	<0.05	633	35.3	<0.05	0.39	1900	0.326	109	42.2	11.4
		3.0 - 3.2		BH20-01_3.0-3.2	**8.24**	14,700	0.14	3.48	41.4	<0.2	<0.1	0.073	11,100	25.9	10.4	39.2	26,900	1.71	6.02	6020	404	<0.05	0.56	16.2	690	<0.5	<0.05	607	32.9	<0.05	0.35	1690	0.252	88.4	34	10.2
		3.8 - 4.1		BH20-01_3.8-4.1	**8.57**	12,800	0.13	2.61	36.9	<0.2	<0.1	0.069	10,600	21.7	9.13	31.4	24,000	1.46	6.34	5820	301	<0.05	0.46	15.3	769	<0.5	<0.05	541	28.3	<0.05	0.28	1490	0.515	78.6	30.9	8.69

TABLE 8: SOIL - METALS

					Metals																																
					pH (lab)	aluminum	antimony	arsenic	barium	beryllium	bismuth	cadmium	calcium	chromium (III+VI)	cobalt	copper	iron	lead	lithium	magnesium	manganese	mercury	molybdenum	nickel	potassium	selenium	silver	sodium	strontium	thallium	tin	titanium	uranium	vanadium	zinc	zirconium
					pH_Units	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit						100	0.1	0.2	0.1	0.2	0.1	0.05	100	0.5	0.1	0.5	100	0.1	0.5	100	0.2	0.05	0.1	0.5	100	0.5	0.05	100	0.1	0.05	0.1	1	0.05	1	1	0.5
CCME SoilQG Tier 1 IL (Coarse Soil)					**6-8**		**40**	**12**	**2000**	**8**		**22**		**87**	**300**	**91**		**260**				**24**	**40**	**89**		**2.9**	**40**			**1**	**300**		**33**	**130**	**410**	
CCME SoilQG Tier 1 IL (Fine Soil)					**6-8**		**40**	**12**	**2000**	**8**		**22**		**87**	**300**	**91**		**260**				**24**	**40**	**89**		**2.9**	**40**			**1**	**300**		**33**	**130**	**410**	
Site Area	**Sample Location**	**Sample Depth (mbg)**	**Sample Date**	**Sample ID**																																	
FFTA	BH20-02	0.7 - 1.0	2020-Jun-30	BH20-02_0.7-1.0	7.35	21,000	0.2	3.06	43.4	0.3	<0.1	0.318	8210	31.4	11	40.5	29,900	19.3	8.39	5290	465	0.095	0.75	19.2	397	<0.5	0.053	254	24.4	<0.05	0.71	2030	0.449	110	41.1	6.79
		1.7 - 1.9		BH20-02_1.7-1.9	7.84	15,800	0.16	4.65	39.2	0.28	<0.1	0.124	10,700	27.8	12.2	50.6	30,700	2.37	6.21	6380	464	<0.05	0.48	20.2	553	<0.5	<0.05	553	34.5	<0.05	0.34	1660	0.374	98.1	38.7	10.5
		2.2 - 2.4		BH20-02_2.2-2.4	**8.3**	15,600	0.18	4.76	38.7	0.23	<0.1	0.09	10,900	28.4	12.1	48.3	30,100	1.98	6.05	6310	461	<0.05	0.67	19.3	583	<0.5	<0.05	552	32.8	<0.05	0.37	1760	0.269	98.4	37.5	11.4
		3.1 - 3.3	2020-Jun-30	BH20-02_3.1-3.3	**8.52**	16,700	0.18	6.07	43.5	0.25	<0.1	0.086	12,200	27.7	11.7	46.1	30,200	2.48	6.66	6840	446	<0.05	0.58	19.8	615	<0.5	<0.05	517	36.4	<0.05	0.35	1790	0.344	98.2	37.1	10.7
			2020-Jun-30	BH20-02_DUP B	**8.6**	15,700	0.18	6.19	41.2	0.23	<0.1	0.091	12,800	29.6	11.6	49.5	29,600	2.16	6.33	6700	442	<0.05	0.64	19.9	622	<0.5	<0.05	517	35.7	<0.05	0.36	1660	0.263	93.8	36.8	10
		4.1 - 4.3	2020-Jun-30	BH20-02_4.1-4.3	**8.55**	16,900	0.17	6.34	38.8	0.22	<0.1	0.096	13,800	32	13.1	49.8	32,900	2.06	6.32	7600	461	<0.05	0.96	20.7	627	<0.5	<0.05	567	36.6	<0.05	0.38	1790	0.26	103	40.3	11.5
	TP1	0.0 - 0.6	2016-Sep-15	TP1-S1	6.5	13,800	1.35	7.25	30.9	<0.4	<0.1	0.441	7790	22.8	9.74	54.2	22,700	21.1	5.1	4670	299	<0.05	0.76	15.2	417	<0.5	0.1	248	21.6	<0.05	0.68	1570	0.337	82.5	115	5.06
		1.2 - 1.5		TP1-S3	7.85	18,700	0.19	4.17	56.9	<0.4	<0.1	0.325	7900	40.7	14.2	50.2	32,100	2.37	6.5	6120	537	<0.05	0.25	19.8	525	<0.5	0.059	374	28.1	<0.05	0.34	1800	0.294	116	40.3	7.96
	TP10	0.3 - 0.6	2016-Sep-15	TP10-S2	6.87	23,100	0.12	2.81	40.9	<0.4	<0.1	0.317	7270	28.1	11.5	39.2	29,400	2.7	8.6	5340	343	<0.05	0.6	20.9	331	<0.5	0.1	179	21.8	<0.05	0.37	2400	0.287	117	41	8.47
			2016-Sep-15	TP-DUP-C	6.84	22,900	0.11	3.04	38	<0.4	<0.1	0.292	7460	27.5	11.9	37.1	30,200	2.65	8.7	5260	348	<0.05	0.61	20.8	300	<0.5	0.096	153	19.4	<0.05	0.37	2420	0.287	120	42.1	7.61
		1.1 - 1.5	2016-Sep-15	TP10-S4	7.63	25,500	0.17	4.3	123	<0.4	<0.1	0.294	11,600	42.2	17.5	70.1	37,700	4.42	13.5	10,600	621	<0.05	0.29	30.2	1800	<0.5	0.076	658	47.3	0.116	0.46	2110	0.473	108	69.2	6.58
	TP2	0.0 - 0.5	2016-Sep-15	TP2-S1	6.58	19,700	10.9	**23.7**	39.7	<0.4	0.16	1.22	9270	37.7	13.9	81	42,600	87.5	5.8	7090	491	0.142	2.73	25.2	542	<0.5	0.133	279	21.1	<0.05	4.03	2370	0.302	102	174	9.37
		0.9 - 1.5		TP2-S3	**8.02**	15,500	0.22	5.05	32.2	<0.4	<0.1	0.387	11,400	25.2	13.2	49.2	32,300	1.98	6.8	6290	510	<0.05	0.36	20.6	437	<0.5	0.092	592	32.2	<0.05	0.37	1890	0.205	112	44.8	8.09
	TP3	0.2 - 0.4	2016-Sep-15	TP3-S2	6.6	20,100	0.14	2.3	32.1	<0.4	<0.1	0.247	5580	24.6	12.4	29	27,100	2.72	8.1	3680	545	<0.05	0.72	15.5	336	<0.5	0.079	118	15.7	<0.05	0.34	1850	0.432	92	61.7	3.12
		1.1 - 1.5		TP3-S5	7.8	19,200	0.16	3.63	67.6	<0.4	<0.1	0.214	11,700	34.8	14.1	55.2	31,800	2.33	8.8	8390	584	<0.05	0.34	21.5	859	<0.5	0.107	735	41.1	0.053	0.35	1950	0.339	98.1	45.8	5.73
	TP4	0.5 - 1.0	2016-Sep-15	TP4-S2	**9.53**	16,900	0.2	3.31	44.6	<0.4	<0.1	0.419	16,900	20.7	10.7	45.9	24,600	9.91	10.3	5900	445	<0.05	0.61	17.2	1940	<0.5	0.089	1210	56.1	<0.05	0.63	1800	0.333	102	41.5	9.45
		1.0 - 1.5	2016-Sep-15	TP4-S3	**8.06**	20,900	<0.1	2.87	31.2	<0.4	<0.1	0.165	5120	20.2	11.4	15.2	26,000	1.62	7.3	3990	386	<0.05	0.44	16.3	372	<0.5	0.055	1220	12.5	0.132	0.27	1660	0.297	80.9	29.8	4.36
			2016-Sep-15	TP-DUP-A	**8.05**	19,400	<0.1	2.5	27.8	<0.4	<0.1	0.22	5210	21.1	10.6	15.7	22,300	1.53	7.1	4060	308	<0.05	0.4	16.2	338	<0.5	0.068	1030	12.7	0.098	0.26	1600	0.322	75.6	28.2	5.86
	TP5	0.6 - 0.9	2016-Sep-15	TP5-S2	7.01	18,200	0.19	2.41	51.6	<0.4	<0.1	0.262	7140	21.9	9.43	21.9	26,700	10.8	6.9	3560	565	<0.05	0.57	15.7	324	<0.5	0.074	394	27	<0.05	0.43	2010	0.25	100	44.8	3.88
		1.2 - 1.5		TP5-S4	7.28	22,500	0.19	2.33	81.6	<0.4	<0.1	0.267	7490	48.1	13.5	49.1	33,700	2.42	7.3	6010	488	<0.05	0.22	20.3	601	<0.5	0.06	341	35.2	<0.05	0.4	1870	0.481	127	34.8	6.87
	TP6	0.3 - 0.6	2016-Sep-15	TP6-S2	6.84	20,600	0.22	3.68	50.8	<0.4	<0.1	0.394	10,600	33.4	12.8	49.9	31,700	5.76	6.9	6010	348	<0.05	0.47	22.3	347	<0.5	0.078	330	31.2	<0.05	0.43	2210	0.446	116	37.3	9.04
		1.2 - 1.5		TP6-S4	**8.21**	24,100	0.4	4.95	78.4	<0.4	<0.1	0.689	28,100	40.4	45.8	71	34,000	23.6	6.3	7820	382	<0.05	0.76	27.5	403	<0.5	0.136	764	75.5	<0.05	1.06	2590	0.602	125	74.1	12.7
	TP7	0.3 - 0.9	2016-Sep-15	TP7-S2	**8.04**	15,900	0.16	4.27	37.8	<0.4	<0.1	0.338	11,700	25.9	12.3	47.1	29,500	2.03	6.4	6380	437	<0.05	1	19.2	546	<0.5	0.119	550	33.7	<0.05	0.31	1780	0.214	101	43.9	7.16
		0.9 - 1.5		TP7-S3	**8.68**	15,900	0.17	4.2	35.5	<0.4	<0.1	0.514	17,300	26.1	12.1	48.6	29,900	1.88	6.5	6720	392	<0.05	0.44	20	551	<0.5	0.325	570	38.1	<0.05	0.34	1790	0.222	101	45	8.15
	TP8	0.0 - 0.3	2016-Sep-15	TP8-S1	6.6	11,400	0.46	1.13	36.8	<0.4	<0.1	0.34	5000	15.5	4.63	19.8	15,000	55.5	<5	2140	240	<0.05	0.45	9.23	233	<0.5	0.08	110	16.1	<0.05	2.31	1580	0.215	62.7	32.9	6.62
		0.6 - 2.1		TP8-S3	7.81	16,300	0.13	3.33	33.8	<0.4	<0.1	0.351	10,700	26.2	13.2	44.9	29,900	1.62	5.3	6730	417	<0.05	0.41	22.1	300	<0.5	0.155	578	30.4	<0.05	0.3	1790	0.239	98.4	38.6	7.55
	TP9	0.3 - 0.6	2016-Sep-15	TP9-S2	6.85	18,000	<0.1	2.52	30.3	<0.4	<0.1	0.64	7510	23.7	10.3	20.5	28,200	71.8	7.9	4150	377	<0.05	1.01	13.8	323	<0.5	0.126	212	21.1	<0.05	0.46	2150	0.281	101	79.4	8.05
		1.2 - 1.5		TP9-S4	6.81	14,800	0.14	4.02	32.8	<0.4	<0.1	0.329	8770	30.1	11.9	47	30,000	2.15	<5	5270	434	<0.05	0.22	19.2	346	<0.5	0.062	331	25.2	<0.05	0.3	1670	0.235	98.4	39.9	6.97

Standards / Guidelines Descriptions:

- CCME SoilQG Tier 1 IL (Coarse Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Industrial (Coarse Soil)
- CCME SoilQG Tier 1 IL (Fine Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Industrial (Fine Soil)

Notes:

m - metres
mbg - metres below grade
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

CCME - Canadian Council of Ministers of the Environment

TABLE 9: SOIL - INORGANICS

	Inorganics
	phosphorus
	µg/g
Reported Detection Limit	10

Site Area	Sample Location	Sample Depth (mbg)	Sample Date	Sample ID	
FFTA	BH16-11	1.2 - 1.5	2016-Sep-12	BH16-11-S3	484
		4.9 - 5.8		BH16-11-S6	461
	BH16-12	0.6 - 1.0	2016-Sep-12	BH16-12-S2	248
			2016-Sep-12	BH16-DUP-B	233
		1.1 - 2.0	2016-Sep-12	BH16-12-S3	253
	BH16-13	0.8 - 1.8	2016-Sep-13	BH16-13-S3	471
		2.4 - 3.1		BH16-13-S5	469
	BH16-14	1.7 - 2.2	2016-Sep-14	BH16-14-S2	713
	BH16-16	0.6 - 1.2	2016-Sep-13	BH16-16-S4	399
		4.6 - 5.5		BH16-16-S7	407
		11.3 - 12.2		BH16-16-S11	502
	BH16-17	0.5 - 0.8	2016-Sep-14	BH16-17-S2	205
		1.2 - 1.5		BH16-17-S3	449
	BH16-19	0.9 - 1.5	2016-Sep-14	BH16-19-S2	490
		4.9 - 5.8	2016-Sep-14	BH16-19-S5	445
				BH16-DUP-F	451
		11.3 - 12.2	2016-Sep-14	BH16-19-S9	435
	BH16-20	1.2 - 1.5	2016-Sep-12	BH16-20-S3	104
		5.5 - 6.1		BH16-20-S6	391
	BH18-36	1.1 - 1.4	2018-Dec-17	BH18-36-02	428
		2.7 - 3.0		BH18-36-05	544
	BH18-37	0.9 - 1.2	2018-Dec-17	BH18-37-02	530
	BH19-59	1.7 - 2.0	2019-Mar-7	BH19-59-03	415
		2.6 - 3.0		BH19-59-04	441
		3.7 - 4.0		BH19-59-07	452
	BH19-67	0.9 - 1.2	2019-Mar-8	BH19-67-02	422
		2.3 - 2.6		BH19-67-04	422
		3.7 - 3.8		BH19-67-06	436
	BH20-01	0.9 - 1.2	2020-Jun-30	BH20-01_0.9-1.2	266
		1.5 - 1.7		BH20-01_1.5-1.7	539
		2.0 - 2.2		BH20-01_2.0-2.2	529
		3.0 - 3.2		BH20-01_3.0-3.2	485
		3.8 - 4.1		BH20-01_3.8-4.1	501
	BH20-02	0.7 - 1.0	2020-Jun-30	BH20-02_0.7-1.0	427
		1.7 - 1.9		BH20-02_1.7-1.9	643
		2.2 - 2.4		BH20-02_2.2-2.4	475
		3.1 - 3.3	2020-Jun-30	BH20-02_3.1-3.3	457
			2020-Jun-30	BH20-02_DUP B	465
		4.1 - 4.3	2020-Jun-30	BH20-02_4.1-4.3	478
	TP1	0.0 - 0.6	2016-Sep-15	TP1-S1	446
		1.2 - 1.5		TP1-S3	305
	TP10	0.3 - 0.6	2016-Sep-15	TP10-S2	339
			2016-Sep-15	TP-DUP-C	323
		1.1 - 1.5	2016-Sep-15	TP10-S4	649
	TP2	0.0 - 0.5	2016-Sep-15	TP2-S1	478
		0.9 - 1.5		TP2-S3	488
	TP3	0.2 - 0.4	2016-Sep-15	TP3-S2	318
		1.1 - 1.5		TP3-S5	517
	TP4	0.5 - 1.0	2016-Sep-15	TP4-S2	454
		1.0 - 1.5	2016-Sep-15	TP4-S3	424
			2016-Sep-15	TP-DUP-A	389
	TP5	0.6 - 0.9	2016-Sep-15	TP5-S2	329
		1.2 - 1.5		TP5-S4	72
	TP6	0.3 - 0.6	2016-Sep-15	TP6-S2	374
		1.2 - 1.5		TP6-S4	461
	TP7	0.3 - 0.9	2016-Sep-15	TP7-S2	504
		0.9 - 1.5		TP7-S3	526
	TP8	0.0 - 0.3	2016-Sep-15	TP8-S1	260
		0.6 - 2.1		TP8-S3	453
	TP9	0.3 - 0.6	2016-Sep-15	TP9-S2	414
		1.2 - 1.5		TP9-S4	437

Notes:

m - metres

mbg - metres below grade

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- formatting of cells indicates exceedances of like-formatted standards
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- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

TABLE 10: SOIL - PER- AND POLYFLUOROALKYL SUBSTANCES

							PFAS															
							MeFOSE	perfluorobutanoate [PFBA]	perfluorobutanoic acid [PFBA]	perfluorobutane sulfonate [PFBS]	perfluorobutane sulfonic acid [PFBS]	perfluoropentanoate [PFPeA]	perfluoropentanoic acid [PFPeA]	perfluoropentane sulfonic acid [PFPeS]	perfluorohexanoate [PFHxA]	perfluorohexanoic acid [PFHxA]	perfluorohexane sulfonic acid [PFHxS]	perfluoroheptanoate [PFHpA]	perfluoroheptanoic acid [PFHpA]	perfluoroheptane sulfonic acid [PFHpS]	perfluorooctanoate [PFOA]	perfluorooctanoic acid [PFOA]	perfluorooctane sulfonic acid [PFOS]	perfluorononanoate [PFNA]	perfluorononanoic acid [PFNA]	perfluorononane sulfonic acid [PFNS]
							µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit							0.002		0.0001	0.0001	0.001		0.0001	0.001		0.0001	0.0001		0.0001	0.001		0.0001	0.0001		0.0001	0.001
FSQG (Eco) for PFOS (IL, coarse)																						**0.14**				
FSQG (Eco) for PFOS (IL, fine)																						**0.21**				
Site Area	**Sample Location**	**Sample Depth (mbg)**	**Sample Date**	**Sample ID**																						
FFTA	BH16-11	1.2 - 1.5	2016-Sep-12	BH16-11-S3	-	-	<0.0000999	<0.0002	-	<0.0000999	-	-	<0.0000999	-	<0.0002	<0.0000999	-	-	<0.0000999	-	<0.000216	<0.0000999	-	-
		2.7 - 3.0		BH16-11-S5	-	-	<0.0001	<0.0002	-	<0.0001	-	-	<0.0001	-	<0.0002	<0.0001	-	-	<0.0001	-	<0.000259	<0.0001	-	-
		4.9 - 5.8		BH16-11-S6	-	-	<0.0001	<0.000201	-	<0.0001	-	-	<0.0001	-	<0.000201	<0.0001	-	-	<0.0001	-	<0.000208	<0.0001	-	-
	BH16-12	0.0 - 0.3	2016-Sep-12	BH16-12-S1	-	-	<0.0000987	<0.000197	-	0.000369	-	-	0.000211	-	0.00141	0.000157	-	-	0.000529	-	0.0239	0.0023	-	-
		0.6 - 1.0	2016-Sep-12	BH16-12-S2	-	-	0.000124	<0.000199	-	0.00024	-	-	0.000216	-	0.00196	0.000163	-	-	0.000713	-	0.00229	<0.0000996	-	-
				BH16-DUP-B	-	-	<0.0000903	<0.000181	-	0.000205	-	-	0.00014	-	0.00152	0.000243	-	-	0.000605	-	0.00267	0.000146	-	-
		2.4 - 3.0	2016-Sep-12	BH16-12-S4	-	-	<0.0000994	<0.000199	-	<0.0000994	-	-	<0.0000994	-	<0.000199	<0.0000994	-	-	<0.0000994	-	0.000367	<0.0000994	-	-
	BH16-13	0.2 - 0.6	2016-Sep-13	BH16-13-S2	-	-	0.000292	0.000212	-	0.00115	-	-	0.000858	-	0.00175	0.000317	-	-	0.000495	-	0.0381	<0.0000986	-	-
		0.8 - 1.9		BH16-13-S3	-	-	0.000146	<0.0002	-	0.000562	-	-	0.000324	-	0.000231	0.000109	-	-	<0.0001	-	0.000395	<0.0001	-	-
		2.4 - 3.0		BH16-13-S5	-	-	0.000123	<0.000201	-	0.000366	-	-	0.000251	-	0.000207	<0.0001	-	-	<0.0001	-	<0.000201	<0.0001	-	-
	BH16-14	0.0 - 0.3	2016-Sep-14	BH16-14-S1	-	-	0.000523	<0.0002	-	0.000663	-	-	<0.0001	-	0.000262	<0.0001	-	-	0.00018	-	0.0132	<0.0001	-	-
		1.7 - 2.2		BH16-14-S2	-	-	<0.0000996	<0.000199	-	<0.0000996	-	-	<0.0000996	-	<0.000199	<0.0000996	-	-	<0.0000996	-	<0.000308	<0.0000996	-	-
	BH16-16	0.0 - 0.3	2016-Sep-13	BH16-16-S1	-	-	0.000187	<0.000203	-	0.000813	-	-	0.000455	-	0.000747	0.000201	-	-	0.000386	-	0.0134	0.000282	-	-
		0.3 - 0.5	2016-Sep-13	BH16-16-S2	-	-	<0.000135	<0.000199	-	0.00054	-	-	0.000503	-	0.00159	0.000542	-	-	0.000831	-	0.0469	0.00147	-	-
				BH16-DUP-D	-	-	<0.000111	<0.000182	-	0.000478	-	-	0.000537	-	0.0015	0.000347	-	-	0.000823	-	0.0406	0.00132	-	-
		0.6 - 1.2	2016-Sep-13	BH16-16-S4	-	-	<0.0000992	<0.000198	-	<0.0000992	-	-	<0.0000992	-	<0.000208	<0.0000992	-	-	<0.0000992	-	0.000581	<0.0000992	-	-
		4.6 - 5.5		BH16-16-S7	-	-	<0.0000981	<0.000196	-	<0.0000981	-	-	<0.0000981	-	<0.000196	<0.0000981	-	-	<0.0000981	-	<0.000196	<0.0000981	-	-
		11.3 - 12.2		BH16-16-S11	-	-	<0.000099	<0.000198	-	<0.000099	-	-	<0.000099	-	<0.000198	<0.000099	-	-	<0.000099	-	<0.000198	<0.000099	-	-
	BH16-17	0.0 - 0.5	2016-Sep-14	BH16-17-S1	-	-	0.000432	<0.000203	-	0.000402	-	-	0.000245	-	0.000623	0.000396	-	-	0.000387	-	0.00376	0.000463	-	-
		0.5 - 0.8		BH16-17-S2	-	-	<0.000101	<0.000202	-	<0.000101	-	-	<0.000101	-	0.000301	<0.000101	-	-	<0.000101	-	0.000849	<0.000101	-	-
		2.4 - 3.0		BH16-17-S4	-	-	<0.0000976	<0.000195	-	<0.0000976	-	-	<0.0000976	-	<0.000195	<0.0000976	-	-	<0.0000976	-	<0.000195	<0.0000976	-	-
	BH16-19	0.0 - 0.6	2016-Sep-14	BH16-19-S1	-	-	0.000467	<0.000199	-	0.000469	-	-	0.000256	-	0.000496	0.000143	-	-	0.00028	-	0.0304	0.000748	-	-
		0.9 - 1.5		BH16-19-S2	-	-	<0.000092	<0.000184	-	<0.000092	-	-	<0.000092	-	<0.000184	<0.000092	-	-	<0.000092	-	<0.000184	<0.000092	-	-
		4.9 - 5.8	2016-Sep-14	BH16-19-S5	-	-	<0.0000912	<0.000182	-	<0.0000912	-	-	<0.0000912	-	<0.000182	<0.0000912	-	-	<0.0000912	-	<0.000186	<0.0000912	-	-
				BH16-DUP-F	-	-	<0.0000902	<0.00018	-	<0.0000902	-	-	<0.0000902	-	<0.00018	<0.0000902	-	-	<0.0000902	-	<0.00018	<0.0000902	-	-
		11.3 - 12.2	2016-Sep-14	BH16-19-S9	-	-	<0.0000918	<0.000184	-	<0.0000918	-	-	<0.0000918	-	<0.000184	<0.0000918	-	-	<0.0000918	-	<0.000184	<0.0000918	-	-
	BH16-20	0.0 - 0.3	2016-Sep-12	BH16-20-S1	-	-	0.000465	0.000308	-	0.00079	-	-	0.000598	-	0.00589	0.00052	-	-	0.000616	-	0.0127	0.000433	-	-
		1.2 - 1.5		BH16-20-S3	-	-	0.0002	0.000254	-	0.000451	-	-	0.000515	-	0.00112	0.000361	-	-	0.000125	-	<0.000222	<0.000096	-	-
		5.5 - 6.1		BH16-20-S6	-	-	<0.0000934	<0.000187	-	<0.0000934	-	-	<0.0000934	-	<0.000187	<0.0000934	-	-	<0.0000934	-	<0.000187	<0.0000934	-	-
	BH18-21	0.0 - 0.2	2018-Dec-11	BH18-21-04	-	-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	-
		0.2 - 0.4	2018-Dec-10	BH18-21-01	-	-	<0.001	<0.001	-	-	0.0014	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	0.0034	-	<0.001	-
		0.6 - 0.9		BH18-21-02	-	-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	0.0047	-	<0.001	-
	BH18-22	0.2 - 0.3	2018-Dec-11	UY4428-BH18-22-01	-	-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	0.0097	-	<0.001	-
		0.6 - 0.8		UY4429-BH18-22-02	-	-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	0.0015	-	<0.001	-
		1.2 - 1.4		UY4430-BH18-22-03	-	-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	0.0023	-	<0.001	-
	BH18-23	0.0 - 0.3	2018-Dec-11	UY4431-BH18-23-01	-	-	<0.001	<0.001	-	-	0.0023	-	-	0.0016	0.008	-	<0.001	<0.001	-	0.0022	0.12	-	0.0027	-
		0.8 - 0.9		UY4432-BH18-23-02	-	-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	0.0019	-	<0.001	<0.001	-	<0.001	0.0044	-	<0.001	-
		1.4 - 1.5		UY4433-BH18-23-03	-	-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	0.0017	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	-
		2.3 - 2.6	2018-Dec-12	UZ0283-BH18-23-04	-	-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	-
	BH18-27	0.0 - 0.3	2018-Dec-11	BH18-27-01	-	-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	-
		0.6 - 0.9		BH18-27-02	-	-	<0.002	<0.002	-	-	<0.002	-	-	<0.002	<0.002	-	<0.002	<0.002	-	<0.002	0.031	-	<0.002	-

TABLE 10: SOIL - PER- AND POLYFLUOROALKYL SUBSTANCES

							PFAS															
							MeFOSE	perfluorobutanoate [PFBA]	perfluorobutanoic acid [PFBA]	perfluorobutane sulfonate [PFBS]	perfluorobutane sulfonic acid [PFBS]	perfluoropentanoate [PFPeA]	perfluoropentanoic acid [PFPeA]	perfluoropentane sulfonic acid [PFPeS]	perfluorohexanoate [PFHxA]	perfluorohexanoic acid [PFHxA]	perfluorohexane sulfonic acid [PFHxS]	perfluoroheptanoate [PFHpA]	perfluoroheptanoic acid [PFHpA]	perfluoroheptane sulfonic acid [PFHpS]	perfluorooctanoate [PFOA]	perfluorooctanoic acid [PFOA]	perfluorooctane sulfonic acid [PFOS]	perfluorononanoate [PFNA]	perfluorononanoic acid [PFNA]	perfluorononane sulfonic acid [PFNS]
							µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit							0.002		0.0001	0.0001	0.001		0.0001	0.001		0.0001	0.0001		0.0001	0.001		0.0001	0.0001		0.0001	0.001
FSQG (Eco) for PFOS (IL, coarse)																							**0.14**			
FSQG (Eco) for PFOS (IL, fine)																							**0.21**			
Site Area	**Sample Location**	**Sample Depth (mbg)**	**Sample Date**	**Sample ID**																						
FFTA	BH18-28	0.0 - 0.5	2018-Dec-12	BH18-28-01	-	-	<0.001	<0.001	-	-	0.0026	-	-	0.0023	0.011	-	<0.001	0.0018	-	0.0028	0.047	-	0.0011	-
		0.6 - 1.0	2018-Dec-12	BH18-28-02	-	-	<0.001	<0.001	-	-	0.003	-	-	0.0027	0.0088	-	0.001	0.001	-	0.0024	0.0074	-	<0.001	-
			2018-Dec-12	BH18-28-03	-	-	<0.001	<0.001	-	-	0.0014	-	-	0.0015	0.0049	-	<0.001	<0.001	-	<0.001	0.0091	-	<0.001	-
		1.1 - 1.5	2018-Dec-12	BH18-28-04	-	-	<0.001	<0.001	-	-	0.0012	-	-	0.0012	0.0041	-	<0.001	<0.001	-	<0.001	0.0058	-	<0.001	-
		1.7 - 2.0		BH18-28-05	-	-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	0.0017	-	<0.001	<0.001	-	<0.001	0.0014	-	<0.001	-
	BH18-29	0.0 - 0.3	2018-Dec-12	BH18-29-01	-	-	<0.002	<0.002	-	-	<0.002	-	-	0.0022	0.011	-	<0.002	<0.002	-	<0.002	0.097	-	0.0041	-
		0.3 - 0.6		BH18-29-02	-	-	<0.001	<0.001	-	-	0.0026	-	-	0.0029	0.0076	-	0.0012	<0.001	-	0.002	0.0099	-	0.0012	-
		0.6 - 0.9		BH18-29-03	-	-	<0.001	0.0021	-	-	0.0027	-	-	0.0039	0.012	-	0.0014	<0.001	-	0.0015	0.0016	-	<0.001	-
	BH18-30	0.0 - 0.3	2018-Dec-13	BH18-30-01	-	-	<0.002	<0.002	-	-	<0.002	-	-	<0.002	0.0031	-	<0.002	<0.002	-	<0.002	0.033	-	<0.002	-
		0.3 - 0.6		BH18-30-02	-	-	<0.002	<0.002	-	-	<0.002	-	-	<0.002	0.0054	-	<0.002	<0.002	-	0.0027	<0.002	-	<0.002	-
	BH18-32	0.0 - 0.3	2018-Dec-13	BH18-32-01	-	-	0.004	0.0025	-	-	0.014	-	-	0.012	0.061	-	0.0068	0.0097	-	0.02	**1.8**	-	0.019	-
		0.4 - 0.7		BH18-32-02	-	-	0.0028	0.0016	-	-	0.0097	-	-	0.0083	0.021	-	0.0032	0.0031	-	0.0074	**0.58**	-	0.0048	-
		0.8 - 1.1		BH18-32-03	-	-	0.0047	0.0086	-	-	0.028	-	-	0.029	0.067	-	0.009	0.0068	-	0.017	**0.3**	-	0.0031	-
		1.5 - 1.8	2018-Dec-16	UZ2058-BH18-32-05	-	-	0.0019	0.0043	-	-	0.011	-	-	0.015	0.04	-	0.0042	0.0023	-	0.0067	0.026	-	<0.001	-
		2.1 - 2.4	2018-Dec-16	UZ2059-BH18-32-06	-	-	0.0021	0.004	-	-	0.011	-	-	0.014	0.035	-	0.0037	0.0018	-	0.0059	0.028	-	<0.001	-
	BH18-33	0.0 - 0.3	2018-Dec-13	BH18-33-01	-	-	0.0012	<0.001	-	-	0.0023	-	-	0.0012	0.01	-	<0.001	0.0013	-	0.0036	**0.24**	-	0.0038	-
		0.6 - 0.9		BH18-33-02	-	-	<0.001	<0.001	-	-	0.002	-	-	0.0017	0.015	-	0.0016	<0.001	-	0.0079	**0.17**	-	0.0056	-
		1.2 - 1.5		BH18-33-03	-	-	0.0032	0.002	-	-	0.014	-	-	0.02	0.058	-	0.0048	0.012	-	0.023	**2.3**	-	0.0049	-
		1.5 - 1.8	2018-Dec-14	UZ0385-BH18-33-04	-	-	0.0038	0.0022	-	-	0.0077	-	-	0.017	0.03	-	0.0026	0.0033	-	0.0078	**0.25**	-	<0.001	-
			2018-Dec-14	BH18-33-05	-	-	0.0037	0.002	-	-	0.0084	-	-	0.016	0.038	-	0.0028	0.0039	-	0.0096	**0.22**	-	<0.001	-
		2.0 - 2.3	2018-Dec-14	UZ0391-BH18-33-06	-	-	0.0063	0.0045	-	-	0.013	-	-	0.026	0.057	-	0.0048	0.0042	-	0.012	**0.19**	-	<0.001	-
		3.0 - 3.7	2018-Dec-14	UZ0393-BH18-33-07	-	-	0.0021	0.0045	-	-	0.0053	-	-	0.012	0.019	-	0.0016	<0.001	-	0.0024	0.0068	-	<0.001	-
	BH18-34	0.6 - 0.9	2018-Dec-13	BH18-34-02	-	-	0.003	<0.002	-	-	0.0075	-	-	0.0048	0.024	-	0.0049	0.0023	-	0.017	**1.4**	-	0.013	-
		1.2 - 1.5		BH18-34-03	-	-	0.0032	<0.002	-	-	0.01	-	-	0.0082	0.017	-	0.0037	<0.002	-	0.0063	**0.24**	-	<0.002	-
		1.7 - 2.0	2018-Dec-15	BH18-34-04	-	-	<0.001	<0.001	-	-	0.0025	-	-	0.0028	0.0058	-	<0.001	<0.001	-	0.0017	0.042	-	<0.001	-
		2.3 - 2.6		BH18-34-05	-	-	<0.001	<0.001	-	-	0.0021	-	-	0.0025	0.0082	-	<0.001	<0.001	-	0.0021	0.047	-	<0.001	-
	BH18-35	0.0 - 0.3	2018-Dec-13	BH18-35-01	-	-	<0.001	<0.001	-	-	0.0013	-	-	0.0013	0.0072	-	<0.001	0.0016	-	0.001	**0.34**	-	0.001	-
		0.6 - 0.9		BH18-35-02	-	-	0.0026	0.0067	-	-	0.013	-	-	0.016	0.14	-	0.0037	0.022	-	0.023	**0.22**	-	<0.002	-
		1.2 - 1.5		BH18-35-03	-	-	0.0011	<0.001	-	-	0.0049	-	-	0.0047	0.013	-	0.001	0.0013	-	0.0019	0.12	-	<0.001	-
		1.7 - 2.0	2018-Dec-15	BH18-35-04	-	-	<0.001	<0.001	-	-	0.0026	-	-	0.0029	0.0096	-	<0.001	<0.001	-	0.0017	0.08	-	<0.001	-
	BH18-36	1.1 - 1.4	2018-Dec-17	BH18-36-02	-	-	<0.001	<0.001	-	-	0.0014	-	-	0.0011	0.0093	-	<0.001	0.0017	-	<0.001	**0.17**	-	<0.001	-
		1.8 - 2.1		BH18-36-03	-	-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	0.0037	-	<0.001	<0.001	-	<0.001	0.039	-	<0.001	-
		2.7 - 3.0		BH18-36-05	-	-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	0.0056	-	<0.001	-
	BH18-37	2.3 - 2.6	2018-Dec-17	BH18-37-04	-	-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	0.0033	-	<0.001	-
	BH18-39	0.0 - 0.3	2018-Dec-17	BH18-39-01	-	-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	0.0049	-	<0.001	-
		0.3 - 0.9		BH18-39-02	-	-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	0.0016	-	<0.001	-
		1.2 - 1.5		BH18-39-04	-	-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	-
	BH18-40	0.0 - 0.3	2018-Dec-17	BH18-40-01	-	-	<0.01	<0.002	-	-	<0.01	-	-	<0.01	0.031	-	<0.01	<0.01	-	0.01	**0.67**	-	<0.01	-
		0.3 - 0.6		BH18-40-02	-	-	<0.001	<0.001	-	-	0.0032	-	-	0.0033	0.006	-	0.001	<0.001	-	0.0016	0.056	-	<0.001	-
	BH18-45	0.0 - 0.3	2018-Dec-17	UZ1579-BH18-45-01	-	-	0.0016	<0.001	-	-	0.0011	-	-	<0.001	0.0066	-	<0.001	<0.001	-	<0.001	0.14	-	<0.001	-

TABLE 10: SOIL - PER- AND POLYFLUOROALKYL SUBSTANCES

							PFAS															
							MeFOSE	perfluorobutanoate [PFBA]	perfluorobutanoic acid [PFBA]	perfluorobutane sulfonate [PFBS]	perfluorobutane sulfonic acid [PFBS]	perfluoropentanoate [PFPeA]	perfluoropentanoic acid [PFPeA]	perfluoropentane sulfonic acid [PFPeS]	perfluorohexanoate [PFHxA]	perfluorohexanoic acid [PFHxA]	perfluorohexane sulfonic acid [PFHxS]	perfluoroheptanoate [PFHpA]	perfluoroheptanoic acid [PFHpA]	perfluoroheptane sulfonic acid [PFHpS]	perfluorooctanoate [PFOA]	perfluorooctanoic acid [PFOA]	perfluorooctane sulfonic acid [PFOS]	perfluorononanoate [PFNA]	perfluorononanoic acid [PFNA]	perfluorononane sulfonic acid [PFNS]
							µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit							0.002		0.0001	0.0001	0.001		0.0001	0.001		0.0001	0.0001		0.0001	0.001		0.0001	0.0001		0.0001	0.001
FSQG (Eco) for PFOS (IL, coarse)																							**0.14**			
FSQG (Eco) for PFOS (IL, fine)																							**0.21**			
Site Area	**Sample Location**	**Sample Depth (mbg)**	**Sample Date**	**Sample ID**																						
FFTA		0.0 - 0.3	2019-Mar-4	VI7448-BH19-48-01	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	0.0077	-	<0.001	-
		0.5 - 0.8	2019-Mar-4	VI7449-BH19-48-02	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	-
	BH19-48	0.9 - 1.1	2019-Mar-4	VI7450-BH19-48-03	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	-
		1.4 - 1.5	2019-Mar-4	VI7451-BH19-48-04	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	-
		1.7 - 1.8	2019-Mar-4	VI7452-BH19-48-05	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	-
		0.0 - 0.2	2019-Mar-5	VI7487-BH19-53-01	-	-	<0.001	-	<0.001	-	0.0015	-	-	<0.001	0.0032	-	<0.001	<0.001	-	0.0011	0.027	-	0.0013	-
		0.5 - 0.6	2019-Mar-5	VI7488-BH19-53-02	-	-	<0.001	-	<0.001	-	0.0011	-	-	0.001	0.002	-	<0.001	<0.001	-	<0.001	0.0011	-	<0.001	-
	BH19-53	0.9 - 1.1	2019-Mar-5	VI7489-BH19-53-03	-	-	<0.001	-	<0.001	-	0.0014	-	-	0.0021	0.0054	-	<0.001	<0.001	-	0.0012	0.0022	-	<0.001	-
		1.4 - 1.5	2019-Mar-5	VI7490-BH19-53-04	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	0.003	-	<0.001	<0.001	-	<0.001	0.0021	-	<0.001	-
		1.7 - 1.8	2019-Mar-5	VI7491-BH19-53-05	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	0.0025	-	<0.001	<0.001	-	<0.001	0.0011	-	<0.001	-
		1.7 - 2.0	2019-Mar-7	VI7590-BH19-59-03	-	-	<0.001	-	<0.001	-	0.001	-	-	<0.001	0.0024	-	<0.001	<0.001	-	<0.001	0.014	-	<0.001	-
	BH19-59	2.6 - 3.0	2019-Mar-7	VI7621-BH19-59-04	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	0.0049	-	<0.001	-
			2019-Mar-7	VI7622-BH19-59-05	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	0.0049	-	<0.001	-
		3.7 - 4.0	2019-Mar-7	VI7624-BH19-59-07	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	-
	BH19-67	0.9 - 1.2	2019-Mar-8	VI7670-BH19-67-02	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	0.001	-	<0.001	<0.001	-	<0.001	0.0052	-	<0.001	-
		2.3 - 2.6	2019-Mar-8	VI7672-BH19-67-04	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	0.0014	-	<0.001	<0.001	-	<0.001	0.0051	-	<0.001	-
		3.7 - 3.8	2019-Mar-8	VI7674-BH19-67-06	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	-
		0.0 - 0.2	2019-Mar-8	VI7694-BH19-69-01	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	0.0025	-	<0.001	<0.001	-	<0.001	0.042	-	<0.001	-
		0.5 - 0.6	2019-Mar-8	VI7695-BH19-69-02	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	0.0063	-	<0.001	<0.001	-	0.0011	0.066	-	0.002	-
		0.9 - 1.1		VI7705-BH19-69-03	-	-	<0.002	-	<0.002	-	<0.002	-	-	<0.002	0.003	-	<0.002	<0.002	-	<0.002	0.019	-	<0.002	-
	BH19-69	1.2 - 1.4	2019-Mar-8	VI7706-BH19-69-04	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	0.0011	-	<0.001	<0.001	-	<0.001	0.011	-	<0.001	-
		1.5 - 1.7		VI7707-BH19-69-05	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	-
		2.1 - 2.4	2019-Mar-8	VI7708-BH19-69-06	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	-
				VI7709-BH19-69-07	-	-	<0.001	-	<0.001	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	-
		0.0 - 0.1	2020-Aug-11	BH20-01-CONCRETE	-	-	<0.001	-	<0.001	-	0.0012	<0.001	-	0.0025	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001
		0.1 - 0.4		BH20-01_0.1-0.4	-	-	<0.001	-	<0.001	-	<0.001	<0.001	-	<0.001	0.0021	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001
	BH20-01	0.9 - 1.2	2020-Jun-30	BH20-01_0.9-1.2	-	-	<0.001	-	<0.001	-	0.0011	<0.001	-	0.001	0.0013	-	<0.001	<0.001	-	<0.001	0.004	-	<0.001	<0.001
		1.5 - 1.7		BH20-01_1.5-1.7	-	-	<0.001	-	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	0.0021	-	<0.001	<0.001
		2.0 - 2.2		BH20-01_2.0-2.2	-	-	<0.001	-	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	0.002	-	<0.001	<0.001
		0.0 - 0.1	2020-Aug-11	BH20-02-CONCRETE	-	-	0.0021	-	0.0031	-	0.0021	0.0018	-	0.008	0.0036	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001
		0.2 - 0.4	2020-Jun-30	BH20-02_0.2-0.4	-	-	<0.001	-	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	0.005	-	<0.001	<0.001
			2020-Jun-30	BH20-02_DUPA	-	-	<0.001	-	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	0.0038	-	<0.001	<0.001
	BH20-02	0.7 - 1.0		BH20-02_0.7-1.0	-	-	<0.001	-	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001
		1.7 - 1.9	2020-Jun-30	BH20-02_1.7-1.9	-	-	<0.001	-	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001
		2.2 - 2.4		BH20-02_2.2-2.4	-	-	<0.001	-	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001
		1.1 - 1.3		BH20-03_1.1-1.25	-	-	0.0033	-	0.0092	-	0.021	0.013	-	0.03	0.13	-	0.013	0.0047	-	0.026	0.13	-	0.0022	<0.001
	BH20-03	1.5 - 1.7	2020-Jun-30	BH20-03_1.5-1.65	-	-	0.0025	-	0.0059	-	0.013	0.0063	-	0.017	0.047	-	0.0051	0.0017	-	0.0097	0.015	-	<0.001	<0.001
		2.0 - 2.2		BH20-03_2.0-2.15	-	-	0.002	-	0.0049	-	0.0099	0.0052	-	0.014	0.042	-	0.0042	<0.001	-	0.0067	0.01	-	<0.001	<0.001
		2.4 - 2.5		BH20-03_2.35-2.5	-	-	0.0018	-	0.0036	-	0.0079	0.003	-	0.0095	0.018	-	0.0022	<0.001	-	0.0032	0.0035	-	<0.001	<0.001

TABLE 10: SOIL - PER- AND POLYFLUOROALKYL SUBSTANCES

							PFAS														
							MeFOSE	perfluorobutanoate [PFBA]	perfluorobutanoic acid [PFBA]	perfluorobutane sulfonate [PFBS]	perfluorobutane sulfonic acid [PFBS]	perfluoropentanoate [PFPeA]	perfluoropentanoic acid [PFPeA]	perfluoropentane sulfonic acid [PFPeS]	perfluorohexanoate [PFHxA]	perfluorohexanoic acid [PFHxA]	perfluorohexane sulfonic acid [PFHxS]	perfluoroheptanoate [PFHpA]	perfluoroheptanoic acid [PFHpA]	perfluoroheptane sulfonic acid [PFHpS]	perfluorooctanoate [PFOA]	perfluorooctanoic acid [PFOA]	perfluorooctane sulfonic acid [PFOS]	perfluorononanoate [PFNA]	perfluorononanoic acid [PFNA]	perfluorononane sulfonic acid [PFNS]
							µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit							0.002		0.0001	0.0001	0.001		0.0001	0.001		0.0001	0.0001		0.0001	0.001		0.0001	0.0001		0.0001	0.001
FSQG (Eco) for PFOS (IL, coarse)																							**0.14**			
FSQG (Eco) for PFOS (IL, fine)																							**0.21**			
Site Area	**Sample Location**	**Sample Depth (mbg)**	**Sample Date**	**Sample ID**																					
FFTA	BH20-04	0.3 - 0.4	2020-Jun-30	BH20-04_0.25-0.4	-	-	0.0036	-	0.0028	-	0.017	0.0048	-	0.013	0.055	-	0.0079	0.006	-	0.016	**1.8**	-	0.017	0.0017
			2020-Jun-30	BH20-04_DUP C	-	-	0.0045	-	0.0034	-	0.02	0.0056	-	0.015	0.059	-	0.009	0.0071	-	0.019	**1.8**	-	0.019	0.002
		1.1 - 1.3	2020-Jun-30	BH20-04_1.1-1.25	-	-	0.0034	-	0.0055	-	0.021	0.0064	-	0.018	0.041	-	0.0059	0.002	-	0.0073	0.061	-	0.0013	<0.001
		1.5 - 1.7		BH20-04_1.5-1.65	-	-	0.0032	-	0.0053	-	0.019	0.0062	-	0.018	0.041	-	0.0059	0.0022	-	0.0078	0.085	-	0.0013	<0.001
		2.0 - 2.2		BH20-04_2.0-2.15	-	-	0.0021	-	0.0039	-	0.012	0.0044	-	0.013	0.036	-	0.0042	0.0017	-	0.0068	0.023	-	<0.001	<0.001
	BH20-05	0.3 - 0.4	2020-Jun-30	BH20-05_0.25-0.4	-	-	<0.001	-	<0.001	-	0.0024	<0.001	-	0.0018	0.02	-	0.0013	0.0041	-	0.011	0.033	-	0.0013	<0.001
		1.1 - 1.3		BH20-05_1.1-1.25	-	-	<0.001	-	<0.001	-	0.0018	<0.001	-	0.0011	0.0033	-	<0.001	<0.001	-	0.0019	<0.001	-	<0.001	<0.001
		1.5 - 1.7		BH20-05_1.5-1.65	-	-	<0.001	-	<0.001	-	<0.001	<0.001	-	<0.001	0.0017	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001
		2.0 - 2.2		BH20-05_2.0-2.15	-	-	<0.001	-	<0.001	-	<0.001	<0.001	-	0.0011	0.0038	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001
	FFTA-SED-1	0.0 - 0.1	2016-Aug-18	FFTA-SED-1A	-	-	0.00287	0.00269	-	0.00982	-	-	0.0176	-	0.0269	0.00343	-	-	0.00811	-	**0.593**	0.00248	-	-
				FFTA-SED-1B	-	-	0.00623	0.00487	-	0.0171	-	-	0.0377	-	0.044	0.00493	-	-	0.0101	-	**0.688**	0.0033	-	-
				FFTA-SED-1C	-	-	0.00347	0.00288	-	0.0125	-	-	0.0195	-	0.028	0.00409	-	-	0.00999	-	**0.864**	0.0046	-	-
				FFTA-SED-DUP-4	-	0.00596	-	0.00417	-	0.018	-	-	0.0378	-	0.0366	0.00465	-	-	0.0089	-	**0.651**	0.0027	-	-
		0.1 - 0.2	2018-Jan-11	FFTA-SED-1A	-	0.00509	-	0.0048	-	0.0203	-	-	0.0259	-	0.0897	0.00789	-	-	0.0254	-	**4.42**	0.011	-	-
				FFTA-SED-1B	-	0.00618	-	0.00404	-	0.0245	-	-	0.0286	-	0.0997	0.0114	-	-	0.0417	-	**7.85**	0.0169	-	-
				FFTA-SED-1C	-	0.00505	-	0.00407	-	0.0191	-	-	0.0197	-	0.0662	0.00587	-	-	0.0189	-	**6.77**	0.0055	-	-
				FFTA-SED-DUP-A	-	0.00533	-	0.00394	-	0.0199	-	-	0.02	-	0.0659	0.00601	-	-	0.0188	-	**8.24**	0.00564	-	-
	FFTA-SED-10	0.0 - 0.1	2016-Aug-17	FFTA-SED-10A	-	-	<0.0000164	<0.0000328	-	0.000018	-	-	<0.0000164	-	<0.0000328	<0.0000164	-	-	<0.0000164	-	0.000665	0.000019	-	-
				FFTA-SED-10B	-	-	<0.0000203	<0.0000405	-	<0.0000203	-	-	<0.0000203	-	<0.0000405	<0.0000203	-	-	0.000046	-	0.00229	<0.0000299	-	-
				FFTA-SED-10C	-	-	<0.0000219	<0.0000342	-	0.000023	-	-	0.00002	-	<0.0000342	<0.0000171	-	-	0.000031	-	0.000914	0.000031	-	-
			2018-Jan-11	FFTA-SED-10A	-	<0.000148	-	<0.0000362	-	<0.0000742	-	-	0.000036	-	0.000073	<0.0000362	-	-	0.000058	-	0.00276	0.000057	-	-
				FFTA-SED-10B	-	<0.000155	-	<0.0000379	-	<0.0000777	-	-	<0.0000379	-	0.000108	<0.0000379	-	-	0.000049	-	0.00268	0.000046	-	-
				FFTA-SED-10C	-	<0.000164	-	<0.00004	-	<0.000082	-	-	0.00005	-	0.000051	<0.00004	-	-	0.000066	-	0.00122	0.000029	-	-
	FFTA-SED-11	0.0 - 0.1	2016-Aug-17	FFTA-SED-11A	-	-	0.000245	<0.000182	-	0.00105	-	-	0.000744	-	0.00123	0.000492	-	-	0.000605	-	0.022	0.000487	-	-
				FFTA-SED-11B	-	-	0.000672	0.000198	-	0.00206	-	-	0.00144	-	0.00331	0.00113	-	-	0.0018	-	0.0913	0.00168	-	-
				FFTA-SED-11C	-	-	0.000405	<0.000187	-	0.00148	-	-	0.00116	-	0.00304	0.000917	-	-	0.00129	-	0.0494	0.000932	-	-
		0.1 - 0.2	2018-Jan-11	FFTA-SED-11A	-	0.000662	-	0.00037	-	0.00246	-	-	0.00196	-	0.00552	0.000931	-	-	0.00153	-	0.0823	0.000713	-	-
				FFTA-SED-11B	-	0.00046	-	0.000219	-	0.00167	-	-	0.00127	-	0.0038	0.000632	-	-	0.0011	-	0.0598	0.000464	-	-
				FFTA-SED-11C	-	0.000551	-	0.000119	-	0.00153	-	-	0.000983	-	0.00164	0.000564	-	-	0.00112	-	0.0273	0.000671	-	-
	FFTA-SED-12	0.0 - 0.1	2016-Aug-17	FFTA-SED-12A	-	-	<0.00011	<0.00022	-	0.000123	-	-	<0.00011	-	<0.00022	<0.00011	-	-	0.00015	-	0.0245	0.000191	-	-
				FFTA-SED-12B	-	-	<0.0000831	<0.000166	-	0.000136	-	-	<0.0000831	-	0.000212	<0.0000831	-	-	<0.0000831	-	0.0182	0.000152	-	-
				FFTA-SED-12C	-	-	0.000216	<0.000194	-	0.00044	-	-	0.000205	-	0.000236	0.000103	-	-	0.000156	-	0.00496	<0.0000972	-	-
				FFTA-SED-DUP-1	-	<0.0000948	-	<0.00019	-	<0.0000948	-	-	<0.0000948	-	<0.00019	<0.0000948	-	-	0.000139	-	0.0177	0.000181	-	-
	FFTA-SED-13	0.0 - 0.1	2016-Aug-17	FFTA-SED-13A	-	-	0.000147	<0.000179	-	0.000257	-	-	0.000166	-	0.000631	0.000125	-	-	0.000278	-	0.025	0.000306	-	-
				FFTA-SED-13B	-	-	0.000258	<0.000186	-	0.000763	-	-	0.000555	-	0.00143	0.000317	-	-	0.000519	-	0.0431	0.000477	-	-
				FFTA-SED-13C	-	-	0.00301	<0.000454	-	0.0103	-	-	0.00378	-	0.00537	0.00323	-	-	0.00536	-	**0.236**	0.00511	-	-
	FFTA-SED-14	0.0 - 0.1	2016-Aug-18	FFTA-SED-14A	-	-	0.000331	<0.00005	-	0.00113	-	-	0.000416	-	0.000591	0.000356	-	-	0.00059	-	0.026	0.000563	-	-
				FFTA-SED-14B	-	-	0.00207	<0.000589	-	0.00828	-	-	0.00265	-	0.00611	0.00199	-	-	0.00449	-	**0.165**	0.00416	-	-
				FFTA-SED-14C	-	-	0.00129	<0.000579	-	0.00466	-	-	0.00219	-	0.00389	0.00162	-	-	0.00298	-	**0.177**	0.00264	-	-
				FFTA-SED-DUP-2	-	0.00178	-	<0.00054	-	0.00662	-	-	0.00242	-	0.00445	0.002	-	-	0.00475	-	**0.168**	0.00523	-	-

TABLE 10: SOIL - PER- AND POLYFLUOROALKYL SUBSTANCES

Site Area	Sample Location	Sample Depth (mbg)	Sample Date	Sample ID	PFAS: MeFOSE	perfluorobutanoate [PFBA]	perfluorobutanoic acid [PFBA]	perfluorobutane sulfonate [PFBS]	perfluorobutane sulfonic acid [PFBS]	perfluoropentanoate [PFPeA]	perfluoropentanoic acid [PFPeA]	perfluoropentane sulfonic acid [PFPeS]	perfluorohexanoate [PFHxA]	perfluorohexanoic acid [PFHxA]	perfluorohexane sulfonic acid [PFHxS]	perfluoroheptanoate [PFHpA]	perfluoroheptanoic acid [PFHpA]	perfluoroheptane sulfonic acid [PFHpS]	perfluorooctanoate [PFOA]	perfluorooctanoic acid [PFOA]	perfluorooctane sulfonic acid [PFOS]	perfluorononanoate [PFNA]	perfluorononanoic acid [PFNA]	perfluorononane sulfonic acid [PFNS]
					µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit					0.002		0.0001	0.0001	0.001		0.0001	0.001		0.0001	0.0001		0.0001	0.001		0.0001	0.0001		0.0001	0.001
FSQG (Eco) for PFOS (IL, coarse)																					**0.14**			
FSQG (Eco) for PFOS (IL, fine)																					**0.21**			
FFTA	FFTA-SED-2	0.0 - 0.1	2016-Aug-18	FFTA-SED-2A	-	-	0.00422	0.00108	-	0.0154	-	-	0.00486	-	0.011	0.00173	-	-	0.00249	-	**0.29**	0.00469	-	-
				FFTA-SED-2B	-	0.00372	-	0.00259	-	0.0213	-	-	0.0125	-	0.0485	0.0101	-	-	0.0205	-	**1.01**	0.0131	-	-
				FFTA-SED-2C	-	0.00281	-	0.00242	-	0.0153	-	-	0.0114	-	0.0414	0.00985	-	-	0.0149	-	**0.706**	0.0107	-	-
	FFTA-SED-3	0.0 - 0.1	2016-Aug-18	FFTA-SED-3A	-	0.00039	-	<0.000188	-	0.000646	-	-	0.000356	-	0.000393	0.000289	-	-	0.000463	-	0.0107	0.000444	-	-
				FFTA-SED-3B	-	0.000276	-	<0.000191	-	0.000354	-	-	0.000206	-	0.00024	0.000144	-	-	0.000127	-	0.00353	0.000201	-	-
				FFTA-SED-3C	-	<0.0000928	-	<0.000186	-	0.000193	-	-	0.000186	-	0.000239	0.000155	-	-	0.000186	-	0.00364	0.00013	-	-
	FFTA-SED-4	0.0 - 0.1	2016-Aug-18	FFTA-SED-4A	-	<0.000166	-	<0.000333	-	<0.000166	-	-	<0.000166	-	<0.000333	<0.000166	-	-	<0.000166	-	0.000698	<0.000166	-	-
				FFTA-SED-4B	-	<0.000101	-	<0.000202	-	<0.000101	-	-	<0.000101	-	<0.000202	<0.000101	-	-	<0.000101	-	<0.000202	<0.000101	-	-
				FFTA-SED-4C	-	<0.000121	-	<0.000242	-	<0.000121	-	-	<0.000121	-	<0.000242	<0.000121	-	-	<0.000121	-	0.000396	<0.000121	-	-
			2018-Jan-11	FFTA-SED-4A	-	<0.000188	-	<0.0000458	-	<0.0000939	-	-	<0.0000458	-	0.000151	<0.0000458	-	-	0.000114	-	0.00219	0.000046	-	-
				FFTA-SED-4B	-	<0.000498	-	<0.000121	-	<0.000249	-	-	<0.000121	-	0.00014	<0.000121	-	-	0.000263	-	0.00253	0.000397	-	-
				FFTA-SED-4C	-	<0.000177	-	<0.0000431	-	<0.0000883	-	-	<0.0000431	-	0.000084	<0.0000431	-	-	0.000073	-	0.00224	0.00006	-	-
	FFTA-SED-5	0.0 - 0.1	2016-Aug-17	FFTA-SED-5A	-	0.000123	-	<0.000205	-	0.000278	-	-	0.000266	-	<0.000205	<0.000103	-	-	0.000361	-	0.0306	0.000383	-	-
				FFTA-SED-5B	-	<0.0000838	-	<0.000168	-	0.000123	-	-	<0.0000838	-	<0.000168	<0.0000838	-	-	<0.0000838	-	0.0101	0.000123	-	-
				FFTA-SED-5C	-	0.000151	-	<0.000226	-	0.000549	-	-	0.000416	-	0.000603	0.000286	-	-	0.000874	-	0.0747	0.000993	-	-
	FFTA-SED-6	0.0 - 0.1	2016-Aug-17	FFTA-SED-6A	-	<0.000095	-	<0.00019	-	0.000145	-	-	0.000182	-	0.000567	<0.000095	-	-	0.000219	-	0.0105	0.000129	-	-
				FFTA-SED-6B	-	<0.0000882	-	<0.000176	-	0.000157	-	-	0.000143	-	0.000423	<0.0000882	-	-	0.000142	-	0.00588	<0.000116	-	-
				FFTA-SED-6C	-	0.000102	-	<0.000183	-	<0.0000916	-	-	0.000094	-	<0.000183	<0.0000916	-	-	<0.0000916	-	0.00262	<0.0000916	-	-
	FFTA-SED-7	0.0 - 0.1	2016-Aug-17	FFTA-SED-7A	-	<0.0000817	-	<0.000163	-	<0.0000817	-	-	<0.0000817	-	<0.000163	<0.0000817	-	-	<0.0000817	-	0.000931	<0.0000817	-	-
				FFTA-SED-7B	-	<0.000091	-	<0.000182	-	<0.000091	-	-	<0.000091	-	<0.000182	<0.000091	-	-	<0.000091	-	0.00175	<0.000091	-	-
				FFTA-SED-7C	-	<0.0000751	-	<0.00015	-	<0.0000751	-	-	<0.0000751	-	<0.00015	<0.0000751	-	-	<0.0000751	-	0.0067	<0.0000751	-	-
			2018-Jan-11	FFTA-SED-7A	-	<0.000151	-	<0.0000369	-	<0.0000756	-	-	0.000074	-	0.000203	<0.0000369	-	-	0.000075	-	0.00912	0.000011	-	-
				FFTA-SED-7B	-	0.000348	-	0.000465	-	0.00136	-	-	0.00141	-	0.0045	0.000446	-	-	0.000712	-	0.106	0.000125	-	-
				FFTA-SED-7C	-	0.000203	-	0.000235	-	0.000604	-	-	0.000585	-	0.00144	0.000189	-	-	0.000207	-	0.0241	0.000055	-	-
				FFTA-SED-DUP-B	-	0.000202	-	0.000242	-	0.000616	-	-	0.000628	-	0.00175	0.000191	-	-	0.000219	-	0.0278	0.000063	-	-
	FFTA-SED-8	0.0 - 0.1	2016-Aug-17	FFTA-SED-8A	-	<0.0000883	-	<0.000177	-	<0.0000883	-	-	<0.0000883	-	<0.000177	<0.0000883	-	-	<0.0000883	-	0.00262	<0.0000883	-	-
				FFTA-SED-8B	-	<0.0000178	-	<0.0000356	-	<0.0000178	-	-	<0.0000178	-	<0.0000356	<0.0000178	-	-	<0.0000178	-	0.00134	<0.0000178	-	-
				FFTA-SED-8C	-	<0.0000168	-	<0.0000335	-	<0.0000168	-	-	<0.0000168	-	<0.0000335	<0.0000168	-	-	0.000019	-	0.0014	<0.0000168	-	-
	FFTA-SED-9	0.0 - 0.1	2016-Aug-17	FFTA-SED-9A	-	0.00002	-	<0.0000361	-	0.000036	-	-	0.00003	-	<0.0000361	<0.0000181	-	-	0.000036	-	0.000899	0.000022	-	-
				FFTA-SED-9B	-	0.000017	-	<0.0000337	-	0.000018	-	-	0.000018	-	<0.0000337	0.000017	-	-	0.000035	-	0.00104	0.000036	-	-
				FFTA-SED-9C	-	<0.0000768	-	<0.000154	-	<0.0000768	-	-	<0.0000768	-	<0.000154	<0.0000768	-	-	<0.0000768	-	0.00288	<0.0000768	-	-
	SED19-01	0.1 - 0.2	2019-Jan-17	SED19-01-190117	<0.002	-	<0.002	<0.002	-	-	<0.002	-	-	<0.002	<0.002	-	<0.002	<0.002	-	<0.002	<0.002	-	<0.002	-
	SED19-04	0.1 - 0.2	2019-Jan-17	SED19-04-190117	<0.002 - 0	-	<0.002 - 0.02	<0.002 - 0	-	-	<0.002 - 0.024	-	-	0.0024 - 0.067	0.0099 - 0.021	-	<0.002 - 0.011	<0.002 - 0	-	0.0023 - 0.01	0.054 - 0.1	-	<0.002 - 0	-
	SED19-07	0.0 - 0.1	2019-Jan-18	VC8011-SED19-07-190118	-	-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	-
	SED19-08	0.0 - 0.1	2019-Jan-18	VC8012-SED19-08-190118	-	-	<0.002	<0.002	-	-	<0.002	-	-	<0.002	<0.002	-	<0.002	<0.002	-	<0.002	<0.002	-	<0.002	-
	TH15-01	0.0 - 0.4	2015-Jan-22	LO4087\TH15-01 S1	-	-	0.00053	0.00023	-	-	0.0022	-	-	0.0019	0.01	-	0.00084	-	-	0.0028	**0.45**	-	0.0017	-
		0.8 - 1.5		LO4088\TH15-01 S2	-	-	0.00034	0.00047	-	-	0.0015	-	-	0.0019	0.0047	-	0.00035	-	-	0.0008	0.023	-	<0.0001	-
		4.6 - 5.3		LO4091\TH15-01 S7	-	-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	<0.0001	-	<0.0001	-	-	<0.0001	0.00017	-	<0.0001	-
	TH15-02	1.2 - 1.5	2015-Jan-22	LO4093\TH15-02 S2	-	-	<0.0001	0.00014	-	-	0.00039	-	-	0.00036	0.00065	-	0.00012	-	-	0.00018	0.00024	-	<0.0001	-
		2.4 - 2.7		LO4095\TH15-02 S4	-	-	0.00016	0.00028	-	-	0.00049	-	-	0.00082	0.0017	-	0.00016	-	-	0.00042	0.12	-	0.0001	-
		4.6 - 4.9		LO4096\TH15-02 S7	-	-	<0.0001	0.00012	-	-	0.00024	-	-	0.00039	0.00063	-	<0.0001	-	-	0.00011	0.01	-	<0.0001	-

TABLE 10: SOIL - PER- AND POLYFLUOROALKYL SUBSTANCES

							PFAS														
							MeFOSE	perfluorobutanoate [PFBA]	perfluorobutanoic acid [PFBA]	perfluorobutane sulfonate [PFBS]	perfluorobutane sulfonic acid [PFBS]	perfluoropentanoate [PFPeA]	perfluoropentanoic acid [PFPeA]	perfluoropentane sulfonic acid [PFPeS]	perfluorohexanoate [PFHxA]	perfluorohexanoic acid [PFHxA]	perfluorohexane sulfonic acid [PFHxS]	perfluoroheptanoate [PFHpA]	perfluoroheptanoic acid [PFHpA]	perfluoroheptane sulfonic acid [PFHpS]	perfluorooctanoate [PFOA]	perfluorooctanoic acid [PFOA]	perfluorooctane sulfonic acid [PFOS]	perfluorononanoate [PFNA]	perfluorononanoic acid [PFNA]	perfluorononane sulfonic acid [PFNS]
							µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit							0.002		0.0001	0.0001	0.001		0.0001	0.001		0.0001	0.0001		0.0001	0.001		0.0001	0.0001		0.0001	0.001
FSQG (Eco) for PFOS (IL, coarse)																							**0.14**			
FSQG (Eco) for PFOS (IL, fine)																							**0.21**			
Site Area	**Sample Location**	**Sample Depth (mbg)**	**Sample Date**	**Sample ID**																						
FFTA	TH15-03	0.0 - 0.3	2015-Jan-20	LO4098\TH15-03 S1	-	-	0.00072	0.00075	-	-	0.0028	-	-	0.002	0.0068	-	0.00095	-	-	0.002	**0.22**	-	0.0014	-
		3.3 - 3.7		LO4101\TH15-03 S5	-	-	0.00011	0.00013	-	-	0.00031	-	-	0.00034	0.00051	-	<0.0001	-	-	<0.0001	0.003	-	<0.0001	-
			2015-Jan-20	LO4126\TH15-100	-	-	<0.0001	0.00012	-	-	0.00021	-	-	0.00036	0.00057	-	<0.0001	-	-	<0.0001	0.0029	-	<0.0001	-
		5.8 - 6.1	2015-Jan-20	LO4102\TH15-03 S8	-	-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	0.0002	-	<0.0001	-	-	<0.0001	0.0021	-	<0.0001	-
	TH15-04	0.9 - 1.5	2015-Jan-21	LO4103\TH15-04 S2	-	-	0.00013	0.00016	-	-	0.00045	-	-	0.00055	0.0022	-	0.00028	-	-	0.00027	0.00046	-	<0.0001	-
		2.6 - 2.9		LO4105\TH15-04 S5	-	-	<0.0001	0.00018	-	-	0.00033	-	-	0.00048	0.0014	-	0.00018	-	-	0.00019	0.00017	-	<0.0001	-
		3.9 - 4.6		LO4106\TH15-04 S7	-	-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	0.00011	-	<0.0001	-	-	<0.0001	<0.0001	-	<0.0001	-
	TH15-05	0.8 - 1.0	2015-Jan-21	LO4108\TH15-05 S2	-	-	<0.0001	<0.0001	-	-	0.00016	-	-	0.00026	0.00052	-	0.00011	-	-	0.00013	0.0044	-	<0.0001	-
		3.0 - 3.3	2015-Jan-21	LO4127\TH15 101 S100	-	-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	0.00013	-	<0.0001	-	-	<0.0001	0.00012	-	<0.0001	-
			2015-Jan-22	LO4136\TH15-05 S5	-	-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	0.0001	-	<0.0001	-	-	<0.0001	0.00065	-	<0.0001	-
		4.9 - 5.2	2015-Jan-21	LO4109\TH15-05 S7	-	-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	<0.0001	-	<0.0001	-	-	<0.0001	<0.0001	-	<0.0001	-
	TH15-06	0.6 - 0.9	2015-Jan-21	LO4110\TH15-06 S2	-	-	0.00041	0.00047	-	-	0.0017	-	-	0.0019	0.0036	-	0.00074	-	-	0.00068	0.042	-	0.00047	-
		1.5 - 1.8		LO4111\TH15-06 S4	-	-	0.00028	0.00028	-	-	0.0012	-	-	0.0011	0.0021	-	0.00035	-	-	0.00036	0.0043	-	0.00013	-
		5.8 - 6.1		LO4112\TH15-06 S9	-	-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	<0.0001	-	<0.0001	-	-	<0.0001	0.00019	-	<0.0001	-
	TH15-07	0.0 - 0.3	2015-Jan-21	LO4113\TH15-07 S1	-	-	0.00096	0.0006	-	-	0.0047	-	-	0.0035	0.013	-	0.002	-	-	0.0036	**0.44**	-	0.0023	-
		4.2 - 4.6		LO4114\TH15-07 S6	-	-	0.00029	0.00062	-	-	0.0011	-	-	0.0019	0.0045	-	0.0003	-	-	0.00059	0.0021	-	<0.0001	-
		4.9 - 5.2		LO4115\TH15-07 S7	-	-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	<0.0001	-	<0.0001	-	-	<0.0001	0.00022	-	<0.0001	-
	TH15-08	0.0 - 0.6	2015-Jan-20	LO4116\TH15-08 S1	-	-	<0.005	<0.005	-	-	0.017	-	-	0.016	0.11	-	0.0056	-	-	0.021	**3.7**	-	0.0099	-
		0.6 - 1.1	2015-Jan-22	LO4117\TH15-08 S2	-	-	0.00097	0.0012	-	-	0.0041	-	-	0.0038	0.015	-	0.00089	-	-	0.002	**0.31**	-	0.00044	-
				LO4129\TH15 103	-	-	0.00091	0.0012	-	-	0.0044	-	-	0.0036	0.017	-	0.00094	-	-	0.002	**0.45**	-	0.00053	-
		1.1 - 1.5	2015-Jan-22	LO4118\TH15-08 S3	-	-	0.00059	0.00065	-	-	0.0023	-	-	0.0022	0.0096	-	0.0005	-	-	0.0011	0.081	-	0.00014	-
	TH15-09	0.5 - 0.6	2015-Jan-22	LO4120\TH15-09 S2	-	-	0.0015	0.0017	-	-	0.0054	-	-	0.0041	0.023	-	0.0013	-	-	0.0038	**0.56**	-	0.0039	-
		1.8 - 2.1		LO4121\TH15-09 S4	-	-	0.0011	0.0024	-	-	0.0044	-	-	0.0066	0.026	-	0.0011	-	-	0.0019	0.12	-	0.00039	-
		4.3 - 4.6		LO4122\TH15-09 S7	-	-	0.00085	0.0022	-	-	0.0035	-	-	0.0051	0.0098	-	0.0008	-	-	0.0014	0.03	-	0.0002	-
	TH15-10	0.3 - 0.6	2015-Jan-22	LO4123\TH15-10 S1	-	-	0.0007	0.00067	-	-	0.0029	-	-	0.002	0.011	-	0.0008	-	-	0.0019	0.13	-	0.00095	-
		1.5 - 1.8		LO4124\TH15-10 S3	-	-	0.0011	0.0018	-	-	0.0055	-	-	0.0041	0.017	-	0.0014	-	-	0.0023	0.063	-	0.00048	-
		3.3 - 3.6		LO4125\TH15-10 S5	-	-	0.00038	0.00077	-	-	0.0021	-	-	0.002	0.0041	-	0.00046	-	-	0.00066	0.0033	-	<0.0001	-
	TP1	0.0 - 0.6	2016-Sep-15	TP1-S1	-	0.00181	-	0.00143	-	0.0046	-	-	0.00222	-	0.0104	0.000994	-	-	0.00225	-	**0.183**	0.00391	-	-
		0.6 - 1.1		TP1-S2	-	0.00199	-	0.00316	-	0.00767	-	-	0.00954	-	0.0282	0.00281	-	-	0.00773	-	**0.836**	0.00112	-	-
	TP10	0.0 - 0.3	2016-Sep-15	TP10-S1	-	0.000341	-	0.000403	-	0.00228	-	-	0.00296	-	0.00778	0.00206	-	-	0.00263	-	0.0246	0.000467	-	-
		0.6 - 1.1		TP10-S3	-	0.00035	-	0.000243	-	0.00145	-	-	0.00111	-	0.00145	0.00032	-	-	0.000245	-	0.00317	<0.000091	-	-
	TP19-01	0.2 - 0.4	2019-Sep-9	TP19-01	-	-	-	-	0.00103	-	-	-	-	0.00808	0.0278	-	0.00252	-	-	0.0108	**0.507**	-	0.00115	-
	TP19-02	0.1 - 0.3	2019-Sep-9	TP19-02	-	-	-	-	<0.0026	-	-	-	-	0.0256	0.072	-	0.00919	-	-	0.0501	**4.32**	-	0.0061	-
	TP19-03	0.2 - 0.4	2019-Sep-9	TP19-03	-	-	-	-	<0.0029	-	-	-	-	0.00718	0.0302	-	0.00388	-	-	0.0153	**1.34**	-	0.0304	-
	TP19-04	0.2 - 0.3	2019-Sep-9	TP19-04	-	-	-	-	0.00555	-	-	-	-	0.0141	0.068	-	0.00494	-	-	0.0124	**1.68**	-	0.00781	-
	TP19-05	0.1 - 0.3	2019-Sep-9	TP19-05	-	-	-	-	0.00859	-	-	-	-	0.0331	0.124	-	0.014	-	-	0.0387	**10.3**	-	0.0357	-
	TP2	0.0 - 0.5	2016-Sep-15	TP2-S1	-	0.00799	-	0.00361	-	0.027	-	-	0.0341	-	0.046	0.00735	-	-	0.0231	-	**1.81**	0.00491	-	-
		0.5 - 1.0		TP2-S2	-	0.0137	-	0.0262	-	0.0765	-	-	0.127	-	0.992	0.0401	-	-	0.221	-	**0.702**	0.00283	-	-
	TP3	0.0 - 0.2	2016-Sep-15	TP3-S1	-	0.00226	-	0.000437	-	0.00472	-	-	0.000982	-	0.00209	0.000652	-	-	0.000611	-	0.0289	0.000353	-	-
		0.4 - 0.6		TP3-S4	-	0.000133	-	<0.000173	-	0.000543	-	-	0.000319	-	0.000807	0.000127	-	-	<0.0000864	-	0.000585	<0.0000864	-	-

TABLE 10: SOIL - PER- AND POLYFLUOROALKYL SUBSTANCES

						PFAS																
						MeFOSE	perfluorobutanoate [PFBA]	perfluorobutanoic acid [PFBA]	perfluorobutane sulfonate [PFBS]	perfluorobutane sulfonic acid [PFBS]	perfluoropentanoate [PFPeA]	perfluoropentanoic acid [PFPeA]	perfluoropentane sulfonic acid [PFPeS]	perfluorohexanoate [PFHxA]	perfluorohexanoic acid [PFHxA]	perfluorohexane sulfonic acid [PFHxS]	perfluoroheptanoate [PFHpA]	perfluoroheptanoic acid [PFHpA]	perfluoroheptane sulfonic acid [PFHpS]	perfluorooctanoate [PFOA]	perfluorooctanoic acid [PFOA]	perfluorooctane sulfonic acid [PFOS]	perfluorononanoate [PFNA]	perfluorononanoic acid [PFNA]	perfluorononane sulfonic acid [PFNS]
						µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit						0.002		0.0001	0.0001	0.001		0.0001	0.001		0.0001	0.0001		0.0001	0.001		0.0001	0.0001		0.0001	0.001
FSQG (Eco) for PFOS (IL, coarse)																						**0.14**			
FSQG (Eco) for PFOS (IL, fine)																						**0.21**			
Site Area	**Sample Location**	**Sample Depth (mbg)**	**Sample Date**	**Sample ID**																					
FFTA	TP4	0.0 - 0.3	2016-Sep-15	TP4-S1	-	0.00244	-	0.000644	-	0.00645	-	-	0.00561	-	0.00843	0.00226	-	-	0.00368	-	**0.165**	0.00218	-	-
		1.0 - 1.5	2016-Sep-15	TP4-S3	-	0.00265	-	0.00371	-	0.0102	-	-	0.0161	-	0.0563	0.00357	-	-	0.0164	-	**0.142**	0.000216	-	-
				TP-DUP-A	-	0.00336	-	0.00385	-	0.00967	-	-	0.0152	-	0.0572	0.00374	-	-	0.0155	-	0.101	0.000144	-	-
	TP5	0.0 - 0.6	2016-Sep-15	TP5-S1	-	0.00404	-	0.0102	-	0.0202	-	-	0.0366	-	0.134	0.00795	-	-	0.043	-	**0.591**	0.00355	-	-
		0.6 - 0.9		TP5-S2	-	0.011	-	0.0369	-	0.0269	-	-	0.0901	-	0.922	0.0359	-	-	0.154	-	0.00475	<0.000151	-	-
	TP6	0.0 - 0.3	2016-Sep-15	TP6-S1	-	0.000262	-	<0.000189	-	0.000413	-	-	0.000339	-	0.00468	<0.0000943	-	-	0.000328	-	**0.173**	0.00035	-	-
		0.3 - 0.6		TP6-S2	-	0.000467	-	0.000959	-	0.00209	-	-	0.00207	-	0.00219	0.00084	-	-	0.000182	-	0.000788	<0.0000938	-	-
	TP7	0.0 - 0.3	2016-Sep-15	TP7-S1	-	<0.0000934	-	0.000252	-	0.00019	-	-	0.000197	-	0.00223	0.000117	-	-	0.000095	-	0.0104	<0.0000934	-	-
				TP-DUP-F	-	0.000114	-	<0.00019	-	0.000203	-	-	0.000205	-	0.00213	<0.0000951	-	-	0.000173	-	0.011	0.000182	-	-
		0.3 - 0.9	2016-Sep-15	TP7-S2	-	<0.0000962	-	<0.000192	-	<0.0000962	-	-	<0.0000962	-	0.000275	<0.0000962	-	-	<0.0000962	-	<0.000211	<0.0000962	-	-
	TP8	0.0 - 0.3	2016-Sep-15	TP8-S1	-	0.000696	-	0.000708	-	0.0025	-	-	0.000986	-	0.00496	0.000486	-	-	0.000877	-	0.116	0.00138	-	-
		0.3 - 0.9		TP8-S2	-	0.000325	-	<0.000198	-	0.000896	-	-	0.000609	-	0.00218	0.000334	-	-	0.00072	-	0.0887	0.00167	-	-
	TP9	0.0 - 0.3	2016-Sep-15	TP9-S1	-	0.00218	-	0.00187	-	0.0112	-	-	0.00954	-	0.041	0.00314	-	-	0.00991	-	**1.06**	0.0035	-	-
		0.3 - 0.6		TP9-S2	-	0.00305	-	0.00427	-	0.0172	-	-	0.017	-	0.129	0.00472	-	-	0.021	-	**0.422**	0.000726	-	-

Standards / Guidelines Descriptions:

- FSQG (Eco) for PFOS (IL, coarse):Federal Soil Quality Guideline for Perfluorooctane Sulfonate (PFOS) - Industrial (Coarse grained soil), February 2017
- FSQG (Eco) for PFOS (IL, fine):Federal Soil Quality Guideline for Perfluorooctane Sulfonate (PFOS) - Industrial (Fine grained soil), February 2017

Notes:

m - metres

mbg - metres below grade

< - less than reported detection limit

'-' - sample not analyzed for parameter indicated

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

PFAS - per- and polyfluoroalkylated substances

PFOS - perfluorooctane sulfonate

PFOA - perfluorooctanoate

TABLE 10: SOIL - PER- AND POLYFLUOROALKYL SUBSTANCES

							PFAS														
							perfluorodecanoate [PFDA]	perfluorodecanoic acid [PFDA]	perfluorodecane sulfonic acid [PFDS]	perfluoroundecanoate [PFUnDA]	perfluoroundecanoic acid [PFUnDA]	perfluorododecanoate [PFDoA]	perfluorododecanoic acid [PFDoA]	perfluorotridecanoic acid [PFTrDA]	perfluorotetradecanoic acid [PFTeDA]	6:2 Fluorotelomer sulfonic acid [6:2 FTS]	8:2 fluorotelomer sulfonic acid [8:2 FTS]	n-ethyl perfluorooctanesulfonamide [N-Et-FOSA]	n-ethyl perfluorooctanesulfonamide ethanol [N-Et-FOSE]	Methyl-perfluorooctane sulfonamide [N-Me-FOSA]	n-methyl perfluorooctane sulfonamidoacetic acid [N-MeFOSAA]	n-Ethyl perfluorooctane sulfonamidoacetic acid [N-EtFOSAA]	2-n-methyl perfluorooctanesulfonamide ethanol [N-Me-FOSE]	perfluorooctane sulfonamide [PFOSA]	Additive PFOA + PFOS
							µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit								0.0001	0.0001		0.0001		0.0001	0.0001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	
FSQG (Eco) for PFOS (IL, coarse)																									
FSQG (Eco) for PFOS (IL, fine)																									
Site Area	Sample Location	Sample Depth (mbg)	Sample Date	Sample ID																					
FFTA	BH16-11	1.2 - 1.5	2016-Sep-12	BH16-11-S3	<0.0000999	-	-	<0.0000999	-	<0.0000999	-	-	-	-	-	-	-	-	-	-	-	<0.0000999	0.0000153381655602222
		2.7 - 3.0		BH16-11-S5	<0.0001	-	-	<0.0001	-	<0.000195	-	-	-	-	-	-	-	-	-	-	-	<0.0001	0.0000167562660886059
		4.9 - 5.8		BH16-11-S6	<0.0001	-	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-	-	-	-	-	<0.0001	0.0000150841349410649
	BH16-12	0.0 - 0.3	2016-Sep-12	BH16-12-S1	<0.0000987	-	-	<0.0000987	-	<0.0000987	-	-	-	-	-	-	-	-	-	-	-	<0.0000987	0.000827325565641512
		0.6 - 1.0		BH16-12-S2	<0.0000996	-	-	<0.0000996	-	<0.0000996	-	-	-	-	-	-	-	-	-	-	-	<0.0000996	0.000134007587047826
				BH16-DUP-B	<0.0000903	-	-	<0.0000903	-	<0.0000903	-	-	-	-	-	-	-	-	-	-	-	<0.0000903	0.000137540983606557
		2.4 - 3.0	2016-Sep-12	BH16-12-S4	<0.0000994	-	-	<0.0000994	-	<0.0000994	-	-	-	-	-	-	-	-	-	-	-	<0.0000994	0.0000202476629183038
	BH16-13	0.2 - 0.6	2016-Sep-13	BH16-13-S2	<0.0000986	-	-	<0.0000986	-	<0.0000986	-	-	-	-	-	-	-	-	-	-	-	0.00594	0.00129008941877794
		0.8 - 1.9		BH16-13-S3	<0.0001	-	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-	-	-	-	-	<0.0001	0.0000212152824820485
		2.4 - 3.0		BH16-13-S5	<0.0001	-	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-	-	-	-	-	<0.0001	0.0000148546267443436
	BH16-14	0.0 - 0.3	2016-Sep-14	BH16-14-S1	<0.0001	-	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-	-	-	-	-	<0.0001	0.000447662918303753
		1.7 - 2.2		BH16-14-S2	<0.0000996	-	-	<0.0000996	-	<0.0000996	-	-	-	-	-	-	-	-	-	-	-	<0.0000996	0.0000183297656144154
	BH16-16	0.0 - 0.3	2016-Sep-13	BH16-16-S1	0.000138	-	-	<0.000101	-	<0.000101	-	-	-	-	-	-	-	-	-	-	-	0.000121	0.000471245088741363
		0.3 - 0.5	2016-Sep-13	BH16-16-S2	0.000232	-	-	<0.0000996	-	<0.0000996	-	-	-	-	-	-	-	-	-	-	-	0.000546	0.0016063826039832
				BH16-DUP-D	0.000237	-	-	<0.000091	-	<0.000091	-	-	-	-	-	-	-	-	-	-	-	0.000392	0.00139916406990923
		0.6 - 1.2	2016-Sep-13	BH16-16-S4	<0.0000992	-	-	<0.0000992	-	<0.0000992	-	-	-	-	-	-	-	-	-	-	-	<0.0000992	0.0000272475274353069
		4.6 - 5.5		BH16-16-S7	<0.0000981	-	-	<0.0000981	-	<0.0000981	-	-	-	-	-	-	-	-	-	-	-	<0.0000981	0.0000145336675247256
		11.3 - 12.2		BH16-16-S11	<0.000099	-	-	<0.000099	-	<0.000099	-	-	-	-	-	-	-	-	-	-	-	<0.000099	0.0000146736214605067
	BH16-17	0.0 - 0.5	2016-Sep-14	BH16-17-S1	<0.000101	-	-	<0.000101	-	<0.000101	-	-	-	-	-	-	-	-	-	-	-	<0.000101	0.00015526215959897
		0.5 - 0.8		BH16-17-S2	<0.000101	-	-	<0.000101	-	<0.000101	-	-	-	-	-	-	-	-	-	-	-	<0.000101	0.000036183173011787
		2.4 - 3.0		BH16-17-S4	<0.0000976	-	-	<0.0000976	-	<0.0000976	-	-	-	-	-	-	-	-	-	-	-	<0.0000976	0.0000144595583254302
	BH16-19	0.0 - 0.6	2016-Sep-14	BH16-19-S1	<0.0000995	-	-	<0.0000995	-	<0.0000995	-	-	-	-	-	-	-	-	-	-	-	<0.0000995	0.00101986180734318
		0.9 - 1.5		BH16-19-S2	<0.000092	-	-	<0.000092	-	<0.000092	-	-	-	-	-	-	-	-	-	-	-	<0.000092	0.0000136360926703699
		4.9 - 5.8	2016-Sep-14	BH16-19-S5	<0.0000912	-	-	<0.0000912	-	<0.0000912	-	-	-	-	-	-	-	-	-	-	-	<0.0000912	0.0000136355507383823
				BH16-DUP-F	<0.0000902	-	-	<0.0000902	-	<0.0000902	-	-	-	-	-	-	-	-	-	-	-	<0.0000902	0.0000133561847988078
		11.3 - 12.2	2016-Sep-14	BH16-19-S9	<0.0000918	-	-	<0.0000918	-	<0.0000918	-	-	-	-	-	-	-	-	-	-	-	<0.0000918	0.00001361956374475
	BH16-20	0.0 - 0.3	2016-Sep-12	BH16-20-S1	<0.0000971	-	-	<0.0000971	-	<0.0000971	-	-	-	-	-	-	-	-	-	-	-	<0.0000971	0.0000467302533532042
		1.2 - 1.5		BH16-20-S3	<0.000096	-	-	<0.000096	-	<0.000096	-	-	-	-	-	-	-	-	-	-	-	<0.000096	0.0000176092670369869
		5.5 - 6.1		BH16-20-S6	<0.0000934	-	-	<0.0000934	-	<0.0000934	-	-	-	-	-	-	-	-	-	-	-	<0.0000934	0.0000138501558054464
	BH18-21	0.0 - 0.2	2018-Dec-11	BH18-21-04	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		0.2 - 0.4	2018-Dec-10	BH18-21-01	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		0.6 - 0.9		BH18-21-02	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	BH18-22	0.2 - 0.3	2018-Dec-11	UY4428-BH18-22-01	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		0.6 - 0.8		UY4429-BH18-22-02	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		1.2 - 1.4		UY4430-BH18-22-03	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	BH18-23	0.0 - 0.3	2018-Dec-11	UY4431-BH18-23-01	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0094	-
		0.8 - 0.9		UY4432-BH18-23-02	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		1.4 - 1.5		UY4433-BH18-23-03	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		2.3 - 2.6	2018-Dec-12	UZ0283-BH18-23-04	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	BH18-27	0.0 - 0.3	2018-Dec-11	BH18-27-01	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		0.6 - 0.9		BH18-27-02	-	<0.002	<0.002	-	<0.002	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-

TABLE 10: SOIL - PER- AND POLYFLUOROALKYL SUBSTANCES

						PFAS															
						perfluorodecanoate [PFDA]	perfluorodecanoic acid [PFDA]	perfluorodecane sulfonic acid [PFDS]	perfluoroundecanoate [PFUnDA]	perfluoroundecanoic acid [PFUnDA]	perfluorododecanoate [PFDoA]	perfluorododecanoic acid [PFDoA]	perfluorotridecanoic acid [PFTrDA]	perfluorotetradecanoic acid [PFTeDA]	6:2 Fluorotelomer sulfonic acid [6:2 FTS]	8:2 fluorotelomer sulfonic acid [8:2 FTS]	n-ethyl perfluorooctanesulfonamide [N-Et-FOSA]	n-ethyl perfluorooctanesulfonamide ethanol [N-Et-FOSE]	Methyl-perfluorooctane sulfonamide [N-Me-FOSA]	n-methyl perfluorooctane sulfonamidoacetic acid [N-MeFOSAA]	n-Ethyl perfluorooctane sulfonamidoacetic acid [N-EtFOSAA]	2-n-methyl perfluorooctanesulfonamide ethanol [N-Me-FOSE]	perfluorooctane sulfonamide [PFOSA]	Additive PFOA + PFOS
						µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit							0.0001	0.0001		0.0001		0.0001	0.0001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	
FSQG (Eco) for PFOS (IL, coarse)																								
FSQG (Eco) for PFOS (IL, fine)																								
Site Area	Sample Location	Sample Depth (mbg)	Sample Date	Sample ID																				
FFTA	BH18-28	0.0 - 0.5	2018-Dec-12	BH18-28-01	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		0.6 - 1.0	2018-Dec-12	BH18-28-02	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
			2018-Dec-12	BH18-28-03	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		1.1 - 1.5	2018-Dec-12	BH18-28-04	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		1.7 - 2.0		BH18-28-05	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	BH18-29	0.0 - 0.3	2018-Dec-12	BH18-29-01	-	<0.002	<0.002	-	<0.002	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-
		0.3 - 0.6		BH18-29-02	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		0.6 - 0.9		BH18-29-03	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	BH18-30	0.0 - 0.3	2018-Dec-13	BH18-30-01	-	<0.002	<0.002	-	<0.002	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-
		0.3 - 0.6		BH18-30-02	-	<0.002	<0.002	-	<0.002	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-
	BH18-32	0.0 - 0.3	2018-Dec-13	BH18-32-01	-	0.0092	0.013	-	0.0033	-	<0.002	<0.002	<0.002	0.036	0.0087	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.032	-
		0.4 - 0.7		BH18-32-02	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.013	0.0066	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.007	-
		0.8 - 1.1		BH18-32-03	-	<0.002	<0.002	-	<0.002	-	<0.002	<0.002	<0.002	0.032	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-
		1.5 - 1.8	2018-Dec-16	UZ2058-BH18-32-05	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.036	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		2.1 - 2.4	2018-Dec-16	UZ2059-BH18-32-06	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	BH18-33	0.0 - 0.3	2018-Dec-13	BH18-33-01	-	0.0083	0.046	-	0.0078	-	0.0026	<0.001	<0.001	0.0065	0.048	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.078	-
		0.6 - 0.9		BH18-33-02	-	0.0076	0.031	-	0.0022	-	<0.001	<0.001	<0.001	0.0079	0.21	<0.001	<0.001	0.0015	<0.001	<0.001	<0.001	0.044	-
		1.2 - 1.5		BH18-33-03	-	0.0025	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.16	0.47	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0058	-
		1.5 - 1.8	2018-Dec-14	UZ0385-BH18-33-04	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.088	0.015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
			2018-Dec-14	BH18-33-05	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.12	0.013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		2.0 - 2.3	2018-Dec-14	UZ0391-BH18-33-06	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.12	0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		3.0 - 3.7	2018-Dec-14	UZ0393-BH18-33-07	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.034	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	BH18-34	0.6 - 0.9	2018-Dec-13	BH18-34-02	-	0.015	0.0052	-	<0.002	-	<0.002	<0.002	<0.002	0.0084	0.31	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.046	-
		1.2 - 1.5		BH18-34-03	-	<0.002	<0.002	-	<0.002	-	<0.002	<0.002	<0.002	0.027	0.052	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.005	-
		1.7 - 2.0	2018-Dec-15	BH18-34-04	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.013	0.0057	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		2.3 - 2.6		BH18-34-05	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.022	0.007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	BH18-35	0.0 - 0.3	2018-Dec-13	BH18-35-01	-	0.0011	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.03	0.023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.036	-
		0.6 - 0.9		BH18-35-02	-	<0.002	<0.002	-	<0.002	-	<0.002	<0.002	<0.002	0.17	0.0023	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-
		1.2 - 1.5		BH18-35-03	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.018	0.0068	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0044	-
		1.7 - 2.0	2018-Dec-15	BH18-35-04	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.017	0.0032	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0023	-
	BH18-36	1.1 - 1.4	2018-Dec-17	BH18-36-02	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		1.8 - 2.1		BH18-36-03	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		2.7 - 3.0		BH18-36-05	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	BH18-37	2.3 - 2.6	2018-Dec-17	BH18-37-04	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	BH18-39	0.0 - 0.3	2018-Dec-17	BH18-39-01	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		0.3 - 0.9		BH18-39-02	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		1.2 - 1.5		BH18-39-04	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	BH18-40	0.0 - 0.3	2018-Dec-17	BH18-40-01	-	<0.01	<0.01	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
		0.3 - 0.6		BH18-40-02	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	BH18-45	0.0 - 0.3	2018-Dec-17	UZ1579-BH18-45-01	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0015	-

TABLE 10: SOIL - PER- AND POLYFLUOROALKYL SUBSTANCES

						PFAS															
						perfluorodecanoate [PFDA]	perfluorodecanoic acid [PFDA]	perfluorodecane sulfonic acid [PFDS]	perfluoroundecanoate [PFUnDA]	perfluoroundecanoic acid [PFUnDA]	perfluorododecanoate [PFDoA]	perfluorododecanoic acid [PFDoA]	perfluorotridecanoic acid [PFTrDA]	perfluorotetradecanoic acid [PFTeDA]	6:2 Fluorotelomer sulfonic acid [6:2 FTS]	8:2 fluorotelomer sulfonic acid [8:2 FTS]	n-ethyl perfluorooctanesulfonamide [N-Et-FOSA]	n-ethyl perfluorooctanesulfonamide ethanol [N-Et-FOSE]	Methyl-perfluorooctane sulfonamide [N-Me-FOSA]	n-methyl perfluorooctane sulfonamidoacetic acid [N-MeFOSAA]	n-Ethyl perfluorooctane sulfonamidoacetic acid [N-EtFOSAA]	2-n-methyl perfluorooctanesulfonamide ethanol [N-Me-FOSE]	perfluorooctane sulfonamide [PFOSA]	Additive PFOA + PFOS
						µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit							0.0001	0.0001		0.0001		0.0001	0.0001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	
FSQG (Eco) for PFOS (IL, coarse)																								
FSQG (Eco) for PFOS (IL, fine)																								
Site Area	**Sample Location**	**Sample Depth (mbg)**	**Sample Date**	**Sample ID**																				
FFTA	BH19-48	0.0 - 0.3	2019-Mar-4	VI7448-BH19-48-01	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		0.5 - 0.8	2019-Mar-4	VI7449-BH19-48-02	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		0.9 - 1.1	2019-Mar-4	VI7450-BH19-48-03	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		1.4 - 1.5	2019-Mar-4	VI7451-BH19-48-04	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		1.7 - 1.8	2019-Mar-4	VI7452-BH19-48-05	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	BH19-53	0.0 - 0.2	2019-Mar-5	VI7487-BH19-53-01	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		0.5 - 0.6	2019-Mar-5	VI7488-BH19-53-02	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		0.9 - 1.1	2019-Mar-5	VI7489-BH19-53-03	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		1.4 - 1.5	2019-Mar-5	VI7490-BH19-53-04	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		1.7 - 1.8	2019-Mar-5	VI7491-BH19-53-05	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	0.0011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	BH19-59	1.7 - 2.0	2019-Mar-7	VI7590-BH19-59-03	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		2.6 - 3.0	2019-Mar-7	VI7621-BH19-59-04	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
			2019-Mar-7	VI7622-BH19-59-05	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		3.7 - 4.0	2019-Mar-7	VI7624-BH19-59-07	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	BH19-67	0.9 - 1.2	2019-Mar-8	VI7670-BH19-67-02	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		2.3 - 2.6	2019-Mar-8	VI7672-BH19-67-04	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		3.7 - 3.8	2019-Mar-8	VI7674-BH19-67-06	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	BH19-69	0.0 - 0.2	2019-Mar-8	VI7694-BH19-69-01	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		0.5 - 0.6	2019-Mar-8	VI7695-BH19-69-02	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		0.9 - 1.1	2019-Mar-8	VI7705-BH19-69-03	-	<0.002	<0.002	-	<0.002	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-
		1.2 - 1.4		VI7706-BH19-69-04	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		1.5 - 1.7		VI7707-BH19-69-05	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
		2.1 - 2.4	2019-Mar-8	VI7708-BH19-69-06	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
				VI7709-BH19-69-07	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	BH20-01	0.0 - 0.1	2020-Aug-11	BH20-01-CONCRETE	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.0054	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-	
		0.1 - 0.4	2020-Jun-30	BH20-01_0.1-0.4	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.0016	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-	
		0.9 - 1.2		BH20-01_0.9-1.2	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-	
		1.5 - 1.7		BH20-01_1.5-1.7	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-	
		2.0 - 2.2		BH20-01_2.0-2.2	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-	
	BH20-02	0.0 - 0.1	2020-Aug-11	BH20-02-CONCRETE	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.14	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-	
		0.2 - 0.4	2020-Jun-30	BH20-02_0.2-0.4	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-	
			2020-Jun-30	BH20-02_DUPA	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-	
		0.7 - 1.0	2020-Jun-30	BH20-02_0.7-1.0	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.0014	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-	
		1.7 - 1.9		BH20-02_1.7-1.9	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-	
		2.2 - 2.4		BH20-02_2.2-2.4	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-	
	BH20-03	1.1 - 1.3	2020-Jun-30	BH20-03_1.1-1.25	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.051	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-	
		1.5 - 1.7		BH20-03_1.5-1.65	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.022	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-	
		2.0 - 2.2		BH20-03_2.0-2.15	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.017	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-	
		2.4 - 2.5		BH20-03_2.35-2.5	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.0072	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-	

TABLE 10: SOIL - PER- AND POLYFLUOROALKYL SUBSTANCES

							PFAS													
							perfluorodecanoate [PFDA]	perfluorodecanoic acid [PFDA]	perfluorodecane sulfonic acid [PFDS]	perfluoroundecanoate [PFUnDA]	perfluoroundecanoic acid [PFUnDA]	perfluorododecanoate [PFDoA]	perfluorododecanoic acid [PFDoA]	perfluorotridecanoic acid [PFTrDA]	perfluorotetradecanoic acid [PFTeDA]	6:2 Fluorotelomer sulfonic acid [6:2 FTS]	8:2 fluorotelomer sulfonic acid [8:2 FTS]	n-ethyl perfluorooctanesulfonamide [N-Et-FOSA]	n-ethyl perfluorooctanesulfonamide ethanol [N-Et-FOSE]	Methyl-perfluorooctane sulfonamide [N-Me-FOSA]	n-methyl perfluorooctane sulfonamidoacetic acid [N-MeFOSAA]	n-Ethyl perfluorooctane sulfonamidoacetic acid [N-EtFOSAA]	2-n-methyl perfluorooctanesulfonamide ethanol [N-Me-FOSE]	perfluorooctane sulfonamide [PFOSA]	Additive PFOA + PFOS
							µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit								0.0001	0.0001		0.0001		0.0001	0.0001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	
FSQG (Eco) for PFOS (IL, coarse)																									
FSQG (Eco) for PFOS (IL, fine)																									
Site Area	**Sample Location**	**Sample Depth (mbg)**	**Sample Date**	**Sample ID**																					
FFTA	BH20-04	0.3 - 0.4	2020-Jun-30	BH20-04_0.25-0.4	-	0.0042	0.0021	-	0.0013	-	<0.001	<0.001	<0.001	0.0094	0.0014	<0.001	-	<0.001	-	-	-	0.012	-
			2020-Jun-30	BH20-04_DUP C	-	0.0046	0.0021	-	0.0014	-	<0.001	<0.001	<0.001	0.0099	0.0012	<0.001	-	<0.001	-	-	-	0.013	-
		1.1 - 1.3	2020-Jun-30	BH20-04_1.1-1.25	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.03	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-
		1.5 - 1.7		BH20-04_1.5-1.65	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.036	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-
		2.0 - 2.2		BH20-04_2.0-2.15	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	0.049	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-
	BH20-05	0.3 - 0.4	2020-Jun-30	BH20-05_0.25-0.4	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-
		1.1 - 1.3		BH20-05_1.1-1.25	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-
		1.5 - 1.7		BH20-05_1.5-1.65	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-
		2.0 - 2.2		BH20-05_2.0-2.15	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	-	-	-	<0.001	-
	FFTA-SED-1	0.0 - 0.1	2016-Aug-18	FFTA-SED-1A	0.00235	-	-	0.00053	-	0.000714	-	-	-	-	-	-	-	-	-	-	-	0.0185	0.291922128851541
				FFTA-SED-1B	0.00127	-	-	0.000239	-	0.000137	-	-	-	-	-	-	-	-	-	-	-	-	0.00544	0.339501400560224
				FFTA-SED-1C	0.00357	-	-	0.000905	-	0.00136	-	-	-	-	-	-	-	-	-	-	-	-	0.027	0.423181512605042
				FFTA-SED-DUP-4	0.000802	-	-	0.000105	-	0.000093	-	-	-	-	-	-	-	-	-	-	-	-	0.00462	0.320470588235294
		0.1 - 0.2	2018-Jan-11	FFTA-SED-1A	0.0176	-	-	0.0125	-	0.00957	-	-	-	-	-	-	-	-	-	-	-	-	0.12	2.13464425770308
				FFTA-SED-1B	0.00654	-	-	0.00165	-	0.00157	-	-	-	-	-	-	-	-	-	-	-	-	0.072	3.78715406162465
				FFTA-SED-1C	0.014	-	-	0.00897	-	0.00825	-	-	-	-	-	-	-	-	-	-	-	-	0.0941	3.24604481792717
				FFTA-SED-DUP-A	0.0148	-	-	0.00762	-	0.00687	-	-	-	-	-	-	-	-	-	-	-	-	0.156	3.94592717086835
	FFTA-SED-10	0.0 - 0.1	2016-Aug-17	FFTA-SED-10A	0.000073	-	-	0.000149	-	0.000251	-	-	-	-	-	-	-	-	-	-	-	-	<0.0000164	0.000335960784313725
				FFTA-SED-10B	0.000312	-	-	0.000546	-	0.000815	-	-	-	-	-	-	-	-	-	-	-	-	0.000065	0.00114459383753501
				FFTA-SED-10C	0.000203	-	-	0.000221	-	0.00024	-	-	-	-	-	-	-	-	-	-	-	-	0.000035	0.000471708683473389
			2018-Jan-11	FFTA-SED-10A	0.000256	-	-	0.000394	-	0.000441	-	-	-	-	-	-	-	-	-	-	-	-	0.000189	0.00138252100840336
				FFTA-SED-10B	0.000143	-	-	0.000637	-	0.00111	-	-	-	-	-	-	-	-	-	-	-	-	0.000121	0.00133383753501401
				FFTA-SED-10C	0.000032	-	-	0.000113	-	0.000183	-	-	-	-	-	-	-	-	-	-	-	-	0.000055	0.000658599943977591
	FFTA-SED-11	0.0 - 0.1	2016-Aug-17	FFTA-SED-11A	0.000096	-	-	0.0002	-	<0.0000911	-	-	-	-	-	-	-	-	-	-	-	-	0.000117	0.0111879551820728
				FFTA-SED-11B	0.00043	-	-	0.00061	-	0.000424	-	-	-	-	-	-	-	-	-	-	-	-	0.000408	0.045593837535014
				FFTA-SED-11C	0.000338	-	-	0.000496	-	0.00024	-	-	-	-	-	-	-	-	-	-	-	-	0.000605	0.0250414565826331
		0.1 - 0.2	2018-Jan-11	FFTA-SED-11A	0.000409	-	-	0.000767	-	0.000727	-	-	-	-	-	-	-	-	-	-	-	-	0.00209	0.0409904761904762
				FFTA-SED-11B	0.000206	-	-	0.000483	-	0.000346	-	-	-	-	-	-	-	-	-	-	-	-	0.0014	0.0297703081232493
				FFTA-SED-11C	0.000344	-	-	0.000159	-	0.000022	-	-	-	-	-	-	-	-	-	-	-	-	0.000283	0.0143176470588235
	FFTA-SED-12	0.0 - 0.1	2016-Aug-17	FFTA-SED-12A	0.00249	-	-	0.00498	-	0.0057	-	-	-	-	-	-	-	-	-	-	-	-	0.00106	0.011843137254902
				FFTA-SED-12B	0.00206	-	-	0.00367	-	0.00415	-	-	-	-	-	-	-	-	-	-	-	-	0.000618	0.00876443137254902
				FFTA-SED-12C	<0.0000972	-	-	<0.0000972	-	<0.0000972	-	-	-	-	-	-	-	-	-	-	-	-	0.000199	0.00254543417366947
				FFTA-SED-DUP-1	0.00177	-	-	0.00344	-	0.00391	-	-	-	-	-	-	-	-	-	-	-	-	0.000581	0.00859210084033613
	FFTA-SED-13	0.0 - 0.1	2016-Aug-17	FFTA-SED-13A	0.000184	-	-	0.000176	-	0.000096	-	-	-	-	-	-	-	-	-	-	-	-	0.000266	0.0122318207282913
				FFTA-SED-13B	0.000311	-	-	0.000341	-	0.000342	-	-	-	-	-	-	-	-	-	-	-	-	0.000392	0.0211343977591036
				FFTA-SED-13C	0.0203	-	-	0.117	-	0.355	-	-	-	-	-	-	-	-	-	-	-	-	0.00454	0.118686834733894
	FFTA-SED-14	0.0 - 0.1	2016-Aug-18	FFTA-SED-14A	0.00224	-	-	0.0129	-	0.0391	-	-	-	-	-	-	-	-	-	-	-	-	0.0005	0.0130750700280112
				FFTA-SED-14B	0.0117	-	-	0.0752	-	0.329	-	-	-	-	-	-	-	-	-	-	-	-	0.00404	0.083853781512605
				FFTA-SED-14C	0.00877	-	-	0.072	-	0.309	-	-	-	-	-	-	-	-	-	-	-	-	0.0051	0.0877915966386555
				FFTA-SED-DUP-2	0.0124	-	-	0.0788	-	0.301	-	-	-	-	-	-	-	-	-	-	-	-	0.00426	0.0855882352941176

TABLE 10: SOIL - PER- AND POLYFLUOROALKYL SUBSTANCES

					PFAS																
					perfluorodecanoate [PFDA]	perfluorodecanoic acid [PFDA]	perfluorodecane sulfonic acid [PFDS]	perfluoroundecanoate [PFUnDA]	perfluoroundecanoic acid [PFUnDA]	perfluorododecanoate [PFDoA]	perfluorododecanoic acid [PFDoA]	perfluorotridecanoic acid [PFTrDA]	perfluorotetradecanoic acid [PFTeDA]	6:2 Fluorotelomer sulfonic acid [6:2 FTS]	8:2 fluorotelomer sulfonic acid [8:2 FTS]	n-ethyl perfluorooctanesulfonamide [N-Et-FOSA]	n-ethyl perfluorooctanesulfonamide ethanol [N-Et-FOSE]	Methyl-perfluorooctane sulfonamide [N-Me-FOSA]	n-methyl perfluorooctane sulfonamidoacetic acid [N-MeFOSAA]	n-Ethyl perfluorooctane sulfonamidoacetic acid [N-EtFOSAA]	2-n-methyl perfluorooctanesulfonamide ethanol [N-Me-FOSE]	perfluorooctane sulfonamide [PFOSA]	Additive PFOA + PFOS
					µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit						0.0001	0.0001		0.0001		0.0001	0.0001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	
FSQG (Eco) for PFOS (IL, coarse)																							
FSQG (Eco) for PFOS (IL, fine)																							
Site Area	Sample Location	Sample Depth (mbg)	Sample Date	Sample ID																			
FFTA	FFTA-SED-2	0.0 - 0.1	2016-Aug-18	FFTA-SED-2A	0.00163	-	-	0.00117	-	0.000535	-	-	-	-	-	-	-	-	-	-	-	0.00398	0.141024649859944
				FFTA-SED-2B	0.00453	-	-	0.0031	-	0.000754	-	-	-	-	-	-	-	-	-	-	-	-	0.00692	0.505070028011204
				FFTA-SED-2C	0.00413	-	-	0.00235	-	0.000771	-	-	-	-	-	-	-	-	-	-	-	-	0.00897	0.353719887955182
	FFTA-SED-3	0.0 - 0.1	2016-Aug-18	FFTA-SED-3A	0.000865	-	-	0.000804	-	0.00109	-	-	-	-	-	-	-	-	-	-	-	<0.000094	0.00563994397759104
				FFTA-SED-3B	0.000148	-	-	0.000183	-	0.000153	-	-	-	-	-	-	-	-	-	-	-	0.000161	0.00183036414565826
				FFTA-SED-3C	<0.0000928	-	-	<0.0000928	-	<0.0000928	-	-	-	-	-	-	-	-	-	-	-	-	<0.0000928	0.0019521568627451
	FFTA-SED-4	0.0 - 0.1	2016-Aug-18	FFTA-SED-4A	<0.000166	-	-	<0.000166	-	<0.000166	-	-	-	-	-	-	-	-	-	-	-	<0.000166	0.000527675070028011
				FFTA-SED-4B	<0.000101	-	-	<0.000101	-	<0.000101	-	-	-	-	-	-	-	-	-	-	-	<0.000101	0.000215014005602241
				FFTA-SED-4C	<0.000121	-	-	<0.000121	-	<0.000121	-	-	-	-	-	-	-	-	-	-	-	<0.000121	0.000330924369747899
			2018-Jan-11	FFTA-SED-4A	0.00015	-	-	0.00014	-	0.000189	-	-	-	-	-	-	-	-	-	-	-	0.000072	0.00117697478991597
				FFTA-SED-4B	0.000193	-	-	0.000245	-	0.000579	-	-	-	-	-	-	-	-	-	-	-	-	<0.000121	0.00151417366946779
				FFTA-SED-4C	0.000066	-	-	0.000083	-	0.000089	-	-	-	-	-	-	-	-	-	-	-	-	<0.0000431	0.00115254901960784
	FFTA-SED-5	0.0 - 0.1	2016-Aug-17	FFTA-SED-5A	0.0035	-	-	0.00662	-	0.00885	-	-	-	-	-	-	-	-	-	-	-	0.000719	0.0149961344537815
				FFTA-SED-5B	0.00107	-	-	0.0017	-	0.00208	-	-	-	-	-	-	-	-	-	-	-	0.000608	0.00490811204481793
				FFTA-SED-5C	0.00695	-	-	0.0125	-	0.0243	-	-	-	-	-	-	-	-	-	-	-	0.00165	0.0365996638655462
	FFTA-SED-6	0.0 - 0.1	2016-Aug-17	FFTA-SED-6A	0.000253	-	-	0.000506	-	0.000721	-	-	-	-	-	-	-	-	-	-	-	<0.000095	0.00525764705882353
				FFTA-SED-6B	0.000103	-	-	0.000215	-	0.000376	-	-	-	-	-	-	-	-	-	-	-	<0.0000882	0.00296705882352941
				FFTA-SED-6C	0.00013	-	-	0.00028	-	0.000413	-	-	-	-	-	-	-	-	-	-	-	<0.0001	0.0013553837535014
	FFTA-SED-7	0.0 - 0.1	2016-Aug-17	FFTA-SED-7A	0.000086	-	-	0.000133	-	0.000188	-	-	-	-	-	-	-	-	-	-	-	<0.0000817	0.000539450980392157
				FFTA-SED-7B	<0.000091	-	-	<0.000091	-	0.000101	-	-	-	-	-	-	-	-	-	-	-	<0.000091	0.000940392156862745
				FFTA-SED-7C	0.000377	-	-	0.00108	-	0.0015	-	-	-	-	-	-	-	-	-	-	-	0.000131	0.00327882913165266
			2018-Jan-11	FFTA-SED-7A	0.000031	-	-	0.000073	-	0.000115	-	-	-	-	-	-	-	-	-	-	-	0.000079	0.00443109243697479
				FFTA-SED-7B	0.000071	-	-	0.000072	-	0.000102	-	-	-	-	-	-	-	-	-	-	-	0.00015	0.051313837535014
				FFTA-SED-7C	0.000242	-	-	0.001	-	0.00158	-	-	-	-	-	-	-	-	-	-	-	0.000127	0.0117197198879552
				FFTA-SED-DUP-B	0.000233	-	-	0.000917	-	0.00149	-	-	-	-	-	-	-	-	-	-	-	0.000138	0.0134957422969188
	FFTA-SED-8	0.0 - 0.1	2016-Aug-17	FFTA-SED-8A	0.000108	-	-	0.000203	-	0.000288	-	-	-	-	-	-	-	-	-	-	-	0.000113	0.00135150140056022
				FFTA-SED-8B	0.000126	-	-	0.000366	-	0.000485	-	-	-	-	-	-	-	-	-	-	-	0.000053	0.000659036414565826
				FFTA-SED-8C	0.000187	-	-	0.000339	-	0.0004	-	-	-	-	-	-	-	-	-	-	-	0.000035	0.000689019607843137
	FFTA-SED-9	0.0 - 0.1	2016-Aug-17	FFTA-SED-9A	0.000156	-	-	0.0002	-	0.000296	-	-	-	-	-	-	-	-	-	-	-	0.000027	0.000470448179271709
				FFTA-SED-9B	0.000162	-	-	0.000175	-	0.000221	-	-	-	-	-	-	-	-	-	-	-	0.000028	0.00053641456582633
				FFTA-SED-9C	0.00012	-	-	0.000304	-	0.000456	-	-	-	-	-	-	-	-	-	-	-	0.00015	0.00146178151260504
	SED19-01	0.1 - 0.2	2019-Jan-17	SED19-01-190117	-	<0.002	<0.002	-	<0.002	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-
	SED19-04	0.1 - 0.2	2019-Jan-17	SED19-04-190117	-	<0.002 - 0	<0.002 - 0	-	<0.002 - 0	-	<0.002 - 0	<0.002 - 0	<0.002 - 0	<0.002 - 0	<0.002 - 0.012	<0.002 - 0	<0.002 - 0	<0.002 - 0	<0.002 - 0	<0.002 - 0	<0.002 - 0	<0.002	-0.0029 - 0.0029	-
	SED19-07	0.0 - 0.1	2019-Jan-18	VC8011-SED19-07-190118	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
	SED19-08	0.0 - 0.1	2019-Jan-18	VC8012-SED19-08-190118	-	<0.002	<0.002	-	<0.002	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-
	TH15-01	0.0 - 0.4	2015-Jan-22	LO4087\TH15-01 S1	-	0.00026	0.0081	-	0.00035	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	-	0.023	-
		0.8 - 1.5		LO4088\TH15-01 S2	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	-	<0.0001	-
		4.6 - 5.3		LO4091\TH15-01 S7	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	-	<0.0001	-
	TH15-02	1.2 - 1.5	2015-Jan-22	LO4093\TH15-02 S2	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	-	<0.0001	-
		2.4 - 2.7		LO4095\TH15-02 S4	-	<0.0001	0.00046	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	-	0.016	-
		4.6 - 4.9		LO4096\TH15-02 S7	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	-	0.001	-

TABLE 10: SOIL - PER- AND POLYFLUOROALKYL SUBSTANCES

					PFAS																	
					perfluorodecanoate [PFDA]	perfluorodecanoic acid [PFDA]	perfluorodecane sulfonic acid [PFDS]	perfluoroundecanoate [PFUnDA]	perfluoroundecanoic acid [PFUnDA]	perfluorododecanoate [PFDoA]	perfluorododecanoic acid [PFDoA]	perfluorotridecanoic acid [PFTrDA]	perfluorotetradecanoic acid [PFTeDA]	6:2 Fluorotelomer sulfonic acid [6:2 FTS]	8:2 fluorotelomer sulfonic acid [8:2 FTS]	n-ethyl perfluorooctanesulfonamide [N-Et-FOSA]	n-ethyl perfluorooctanesulfonamide ethanol [N-Et-FOSE]	Methyl-perfluorooctane sulfonamide [N-Me-FOSA]	n-methyl perfluorooctane sulfonamidoacetic acid [N-MeFOSAA]	n-Ethyl perfluorooctane sulfonamidoacetic acid [N-EtFOSAA]	2-n-methyl perfluorooctanesulfonamide ethanol [N-Me-FOSE]	perfluorooctane sulfonamide [PFOSA]	Additive PFOA + PFOS
					µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit						0.0001	0.0001		0.0001		0.0001	0.0001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	
FSQG (Eco) for PFOS (IL, coarse)																							
FSQG (Eco) for PFOS (IL, fine)																							
Site Area	Sample Location	Sample Depth (mbg)	Sample Date	Sample ID																			
FFTA	TH15-03	0.0 - 0.3	2015-Jan-20	LO4098\TH15-03 S1	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
		3.3 - 3.7		LO4101\TH15-03 S5	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
				LO4126\TH15-100	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
		5.8 - 6.1	2015-Jan-20	LO4102\TH15-03 S8	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
	TH15-04	0.9 - 1.5		LO4103\TH15-04 S2	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
		2.6 - 2.9	2015-Jan-21	LO4105\TH15-04 S5	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
		3.9 - 4.6		LO4106\TH15-04 S7	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
	TH15-05	0.8 - 1.0	2015-Jan-21	LO4108\TH15-05 S2	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	0.00065	-
		3.0 - 3.3	2015-Jan-21	LO4127\TH15 101 S100	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
			2015-Jan-22	LO4136\TH15-05 S5	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
		4.9 - 5.2	2015-Jan-21	LO4109\TH15-05 S7	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
	TH15-06	0.6 - 0.9	2015-Jan-21	LO4110\TH15-06 S2	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
		1.5 - 1.8		LO4111\TH15-06 S4	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
		5.8 - 6.1		LO4112\TH15-06 S9	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
	TH15-07	0.0 - 0.3	2015-Jan-21	LO4113\TH15-07 S1	-	0.00024	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	0.00015	-
		4.2 - 4.6		LO4114\TH15-07 S6	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
		4.9 - 5.2		LO4115\TH15-07 S7	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
	TH15-08	0.0 - 0.6	2015-Jan-20	LO4116\TH15-08 S1	-	0.0055	0.019	-	<0.005	-	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	0.2	-
		0.6 - 1.1	2015-Jan-22	LO4117\TH15-08 S2	-	0.0002	0.0021	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	0.038	-
				LO4129\TH15 103	-	0.00016	0.0011	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	0.06	-
		1.1 - 1.5	2015-Jan-22	LO4118\TH15-08 S3	-	<0.0001	0.00013	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	0.0082	-
	TH15-09	0.5 - 0.6	2015-Jan-22	LO4120\TH15-09 S2	-	0.00028	0.00013	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	0.00064	-
		1.8 - 2.1		LO4121\TH15-09 S4	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
		4.3 - 4.6		LO4122\TH15-09 S7	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
	TH15-10	0.3 - 0.6	2015-Jan-22	LO4123\TH15-10 S1	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
		1.5 - 1.8		LO4124\TH15-10 S3	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
		3.3 - 3.6		LO4125\TH15-10 S5	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001	<0.0001	-	-	-	-	-	-	-	-	<0.0001	-
	TP1	0.0 - 0.6	2016-Sep-15	TP1-S1	0.00135	-	-	0.00145	-	0.000138	-	-	-	-	-	-	-	-	-	-	-	0.00244	0.00618595041322314
		0.6 - 1.1		TP1-S2	0.000244	-	-	<0.0000951	-	<0.0000951	-	-	-	-	-	-	-	-	-	-	-	0.000839	0.0280486790407804
	TP10	0.0 - 0.3	2016-Sep-15	TP10-S1	0.000455	-	-	<0.0000956	-	<0.0000956	-	-	-	-	-	-	-	-	-	-	-	0.00016	0.00102391274895001
		0.6 - 1.1		TP10-S3	<0.000091	-	-	<0.000091	-	<0.000091	-	-	-	-	-	-	-	-	-	-	-	0.000206	0.000124182360113806
	TP19-01	0.2 - 0.4	2019-Sep-9	TP19-01	-	0.00033	-	-	<0.00029	-	<0.00029	<0.00029	<0.00029	-	-	-	-	-	<0.00059	<0.00059	-	-	-
	TP19-02	0.1 - 0.3	2019-Sep-9	TP19-02	-	<0.0026	-	-	<0.0026	-	<0.0026	<0.0026	<0.0026	-	-	-	-	-	<0.0053	0.00677	-	-	-
	TP19-03	0.2 - 0.4	2019-Sep-9	TP19-03	-	0.00562	-	-	<0.0029	-	<0.0029	<0.0029	<0.0029	-	-	-	-	-	<0.0058	<0.0058	-	-	-
	TP19-04	0.2 - 0.3	2019-Sep-9	TP19-04	-	<0.0025	-	-	<0.0025	-	<0.0025	<0.0025	<0.0025	-	-	-	-	-	<0.0051	<0.0051	-	-	-
	TP19-05	0.1 - 0.3	2019-Sep-9	TP19-05	-	0.00629	-	-	<0.0026	-	<0.0026	<0.0026	<0.0026	-	-	-	-	-	<0.0052	<0.0052	-	-	-
	TP2	0.0 - 0.5	2016-Sep-15	TP2-S1	0.0064	-	-	0.00149	-	0.00189	-	-	-	-	-	-	-	-	-	-	-	0.44	0.0612533532041729
		0.5 - 1.0		TP2-S2	<0.000124	-	-	<0.0000955	-	<0.0000955	-	-	-	-	-	-	-	-	-	-	-	0.0461	0.0412808562525403
	TP3	0.0 - 0.2	2016-Sep-15	TP3-S1	0.000147	-	-	0.000114	-	<0.0000925	-	-	-	-	-	-	-	-	-	-	-	<0.0000925	0.000998036851375152
		0.4 - 0.6		TP3-S4	<0.0000864	-	-	<0.0000864	-	<0.0000864	-	-	-	-	-	-	-	-	-	-	-	<0.0000864	0.0000263208237366211

TABLE 10: SOIL - PER- AND POLYFLUOROALKYL SUBSTANCES

					PFAS																	
					perfluorodecanoate [PFDA]	perfluorodecanoic acid [PFDA]	perfluorodecane sulfonic acid [PFDS]	perfluoroundecanoate [PFUnDA]	perfluoroundecanoic acid [PFUnDA]	perfluorododecanoate [PFDoA]	perfluorododecanoic acid [PFDoA]	perfluorotridecanoic acid [PFTrDA]	perfluorotetradecanoic acid [PFTeDA]	6:2 Fluorotelomer sulfonic acid [6:2 FTS]	8:2 fluorotelomer sulfonic acid [8:2 FTS]	n-ethyl perfluorooctanesulfonamide [N-Et-FOSA]	n-ethyl perfluorooctanesulfonamide ethanol [N-Et-FOSE]	Methyl-perfluorooctane sulfonamide [N-Me-FOSA]	n-methyl perfluorooctane sulfonamidoacetic acid [N-MeFOSAA]	n-Ethyl perfluorooctane sulfonamidoacetic acid [N-EtFOSAA]	2-n-methyl perfluorooctanesulfonamide ethanol [N-Me-FOSE]	perfluorooctane sulfonamide [PFOSA]	Additive PFOA + PFOS
					µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit						0.0001	0.0001		0.0001		0.0001	0.0001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	
FSQG (Eco) for PFOS (IL, coarse)																							
FSQG (Eco) for PFOS (IL, fine)																							
Site Area	**Sample Location**	**Sample Depth (mbg)**	**Sample Date**	**Sample ID**																			
FFTA	TP4	0.0 - 0.3	2016-Sep-15	TP4-S1	0.000975	-	-	0.000163	-	0.000261	-	-	-	-	-	-	-	-	-	-	-	0.012	0.00571396829697873
		1.0 - 1.5	2016-Sep-15	TP4-S3	<0.0000954	-	-	<0.0000954	-	<0.0000954	-	-	-	-	-	-	-	-	-	-	-	0.000474	0.00601110960574448
				TP-DUP-A	<0.0000971	-	-	<0.0000971	-	<0.0000971	-	-	-	-	-	-	-	-	-	-	-	0.000384	0.00459246714537326
	TP5	0.0 - 0.6	2016-Sep-15	TP5-S1	0.000198	-	-	<0.0000857	-	<0.0000857	-	-	-	-	-	-	-	-	-	-	-	0.0107	0.0229307681885923
		0.6 - 0.9		TP5-S2	<0.0000958	-	-	<0.0000958	-	<0.0000958	-	-	-	-	-	-	-	-	-	-	-	0.000135	0.0128830104321908
	TP6	0.0 - 0.3	2016-Sep-15	TP6-S1	<0.0000943	-	-	<0.0000943	-	<0.0000943	-	-	-	-	-	-	-	-	-	-	-	<0.0000943	0.00569923858555751
		0.3 - 0.6		TP6-S2	<0.0000938	-	-	<0.0000938	-	<0.0000938	-	-	-	-	-	-	-	-	-	-	-	<0.0000938	0.0000408773878878201
	TP7	0.0 - 0.3	2016-Sep-15	TP7-S1	<0.0000934	-	-	<0.0000934	-	<0.0000934	-	-	-	-	-	-	-	-	-	-	-	<0.0000934	0.000348834846226799
				TP-DUP-F	<0.0000951	-	-	<0.0000951	-	<0.0000951	-	-	-	-	-	-	-	-	-	-	-	<0.0000951	0.000374953258366075
		0.3 - 0.9	2016-Sep-15	TP7-S2	<0.0000962	-	-	<0.0000962	-	<0.0000962	-	-	-	-	-	-	-	-	-	-	-	<0.0000962	0.0000148684460100257
	TP8	0.0 - 0.3	2016-Sep-15	TP8-S1	0.000381	-	-	0.000133	-	<0.0000995	-	-	-	-	-	-	-	-	-	-	-	<0.0000995	0.00387575802736757
		0.3 - 0.9		TP8-S2	0.000208	-	-	<0.0000991	-	<0.0000991	-	-	-	-	-	-	-	-	-	-	-	<0.0000991	0.00296770085354288
	TP9	0.0 - 0.3	2016-Sep-15	TP9-S1	0.00244	-	-	0.00109	-	0.00213	-	-	-	-	-	-	-	-	-	-	-	0.0283	0.0355731066251185
		0.3 - 0.6		TP9-S2	<0.000136	-	-	<0.000108	-	<0.000091	-	-	-	-	-	-	-	-	-	-	-	0.00198	0.0155716027638531

Standards / Guidelines Descriptions:

- FSQG (Eco) for PFOS (IL, coarse):Federal Soil Quality Guideline for Perfluorooctane Sulfonate (PFOS) - Industrial (Coarse grained soil), February 2017
- FSQG (Eco) for PFOS (IL, fine):Federal Soil Quality Guideline for Perfluorooctane Sulfonate (PFOS) - Industrial (Fine grained soil), February 2017

Notes:

m - metres
mbg - metres below grade
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

PFAS - per- and polyfluoroalkylated substances
PFOS - perfluorooctane sulfonate
PFOA - perfluorooctanoate

TABLE 11: SOIL - POLYCHLORINATED BIPHENYLS

					PCBs									
					aroclor 1016	aroclor 1221	aroclor 1232	aroclor 1242	aroclor 1248	aroclor 1254	aroclor 1260	aroclor 1262	aroclor 1268	PCBs (BC CSR aroclor total)
					µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit					0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
CCME SoilQG Tier 1 IL (Coarse Soil)														**33**
CCME SoilQG Tier 1 IL (Fine Soil)														**33**
Site Area	**Sample Location**	**Sample Depth (mbg)**	**Sample Date**	**Sample ID**										
FFTA	BH19-59	1.7 - 2.0	2019-Mar-7	BH19-59-03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
		2.6 - 3.0		BH19-59-04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
		3.7 - 4.0		BH19-59-07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	BH19-67	0.9 - 1.2	2019-Mar-8	BH19-67-02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
		2.3 - 2.6		BH19-67-04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
		3.7 - 3.8		BH19-67-06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	BH20-01	0.9 - 1.2	2020-Jun-30	BH20-01_0.9-1.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
		1.5 - 1.7		BH20-01_1.5-1.7	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
		2.0 - 2.2		BH20-01_2.0-2.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
		3.0 - 3.2		BH20-01_3.0-3.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
		3.8 - 4.1		BH20-01_3.8-4.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	BH20-02	0.7 - 1.0	2020-Jun-30	BH20-02_0.7-1.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
		1.7 - 1.9		BH20-02_1.7-1.9	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
		2.2 - 2.4		BH20-02_2.2-2.4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
		3.1 - 3.3	2020-Jun-30	BH20-02_3.1-3.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
			2020-Jun-30	BH20-02_DUP B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
		4.1 - 4.3	2020-Jun-30	BH20-02_4.1-4.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Standards / Guidelines Descriptions:

- CCME SoilQG Tier 1 IL (Coarse Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Industrial (Coarse Soil)
- CCME SoilQG Tier 1 IL (Fine Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Industrial (Fine Soil)

Notes:

m - metres

mbg - metres below grade

< - less than reported detection limit

'-' - sample not analyzed for parameter indicated

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

CCME - Canadian Council of Ministers of the Environment

PCBs - polychlorinated biphenyls

- PCB (total) represents sum of concentrations of Arochlor 1016, 1221, 1242, 1254, 1262 and 1268

TABLE 12: SOIL - HERBICIDES

					Herbicides																									
					3,5-Dichlorobenzoic acid	ametryn	atrazine	bentazon	bromoxynil	chloramben	acetic acid, 2-methyl-4-chlorophenoxy- [MCPA]	dichlorophenoxy butyric acid, 2,4- [2,4-DB]	dichlorprop, 2,4-	dichlorophenoxy acetic acid, 2,4- [2,4-D]	cyanazinc	dicamba	diclofop-methyl	dinoseb	glyphosate	mecoprop [MCPP]	metribuzin	picloram	prometon	prometryn	propazine	simazine	simetryn	silvex	trichlorophenoxyacetic acid, 2,4,5- [2,4,5-T]	terbutryn
					µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit					0.004	0.25	0.1	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.25	0.004	0.004	0.004	1	0.004	0.1	0.004	0.05	0.25	0.25	0.25	0.05	0.004	0.004	0.05
Site Area	Sample Location	Sample Depth (mbg)	Sample Date	Sample ID																										
FFTA	BH19-59	1.7 - 2.0	2019-Mar-7	BH19-59-03	<0.004	-	-	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	-	<0.004	<0.004	<0.004	-	<0.004	-	<0.004	-	-	-	-	-	<0.004	<0.004	-
			2019-Mar-7	VI7590-BH19-59-03	-	<0.5	<0.2	-	-	-	-	-	-	-	<0.5	-	-	-	<1	-	<0.2	-	<0.1	<0.5	<0.5	<0.5	<0.1	-	-	<0.1
		2.6 - 3.0	2019-Mar-7	BH19-59-04	<0.004	-	-	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	-	<0.004	<0.004	<0.004	-	<0.004	-	<0.004	-	-	-	-	-	<0.004	<0.004	-
			2019-Mar-7	VI7621-BH19-59-04	-	<0.5	<0.2	-	-	-	-	-	-	-	<0.5	-	-	-	<1	-	<0.2	-	<0.1	<0.5	<0.5	<0.5	<0.1	-	-	<0.1
		3.7 - 4.0	2019-Mar-7	BH19-59-07	<0.004	-	-	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	-	<0.004	<0.004	<0.004	-	<0.004	-	<0.004	-	-	-	-	-	<0.004	<0.004	-
			2019-Mar-7	VI7624-BH19-59-07	-	<0.25	<0.1	-	-	-	-	-	-	-	<0.25	-	-	-	<1	-	<0.1	-	<0.05	<0.25	<0.25	<0.25	<0.05	-	-	<0.05
	BH19-67	0.9 - 1.2	2019-Mar-8	BH19-67-02	<0.004	-	-	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	-	<0.004	<0.004	<0.004	-	<0.004	-	<0.004	-	-	-	-	-	<0.004	<0.004	-
			2019-Mar-8	VI7670-BH19-67-02	-	<0.5	<0.2	-	-	-	-	-	-	-	<0.5	-	-	-	<1	-	<0.2	-	<0.1	<0.5	<0.5	<0.5	<0.1	-	-	<0.1
		2.3 - 2.6	2019-Mar-8	BH19-67-04	<0.004	-	-	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	-	<0.004	<0.004	<0.004	-	<0.004	-	<0.004	-	-	-	-	-	<0.004	<0.004	-
			2019-Mar-8	VI7672-BH19-67-04	-	<0.5	<0.2	-	-	-	-	-	-	-	<0.5	-	-	-	<1	-	<0.2	-	<0.1	<0.5	<0.5	<0.5	<0.1	-	-	<0.1
		3.7 - 3.8	2019-Mar-8	BH19-67-06	<0.004	-	-	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	-	<0.004	<0.004	<0.004	-	<0.004	-	<0.004	-	-	-	-	-	<0.004	<0.004	-
			2019-Mar-8	VI7674-BH19-67-06	-	<0.25	<0.1	-	-	-	-	-	-	-	<0.25	-	-	-	<1	-	<0.1	-	<0.05	<0.25	<0.25	<0.25	<0.05	-	-	<0.05

Notes:

m - metres
mbg - metres below grade
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated
• formatting of cells indicates exceedances of like-formatted standards
• where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
• samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs
• laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

TABLE 13: SOIL - EXPLOSIVES

Site Area	Sample Location	Sample Depth (mbg)	Sample Date	Sample ID	Explosives															
					dinitrobenzene, 1,3-	trinitrobenzene, 1,3,5-	dinitrotoluene, 2-amino-4,6-	nitrotoluene, 2-	trinitrotoluene, 2,4,6-	dinitrotoluene, 2,4-	dinitrotoluene, 2,6-	dinitrotoluene, 4-amino-2,6-	nitrotoluene,4-	octahydro-1,3,5,7-tetranitro- 1,3,5,7-tetrazocine [HMX]	nitrobenzene	nitroglycerin	nitrotoluene, 3-	hexahydro-1,3,5-trinitro-1,3,5- triazine [RDX]	tetryl
					µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit					0.5	0.5	2	2	0.5	0.5	0.5	0.5	0.5	1	0.5	2	0.5	1	1
FFTA	BH19-59	1.7 - 2.0	2019-Mar-7	VI7590-BH19-59-03	<0.5	<0.5	<2	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<2	<0.5	<1	<1
		2.6 - 3.0	2019-Mar-7	VI7621-BH19-59-04	<0.5	<0.5	<2	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<2	<0.5	<1	<1
		3.7 - 4.0	2019-Mar-7	VI7624-BH19-59-07	<0.5	<0.5	<2	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<2	<0.5	<1	<1
	BH19-67	0.9 - 1.2	2019-Mar-8	VI7670-BH19-67-02	<0.5	<0.5	<2	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<2	<0.5	<1	<1
		2.3 - 2.6	2019-Mar-8	VI7672-BH19-67-04	<0.5	<0.5	<2	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<2	<0.5	<1	<1
		3.7 - 3.8	2019-Mar-8	VI7674-BH19-67-06	<0.5	<0.5	<2	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<2	<0.5	<1	<1

Notes:

m - metres

mbg - metres below grade

< - less than reported detection limit

'-' - sample not analyzed for parameter indicated

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

GROUNDWATER ANALYTICAL TABLES

CFB Comox FFTA Source Control Project

PSPC

CFB Comox, Lazo, BC

Requisition No.: R.111173.004

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TABLE 14: GROUNDWATER OBSERVATIONS

Monitoring Zone	Monitoring Well ID	Well Screen Interval (mbg)	TOC Elevation (m)	Ground Elevation (m)	Monitoring Date	HSVL (ppmv)	Depth to Water below TOC (m)	Depth to Water (mbg)	Groundwater Elevation (m)
FFTA	FFTA-1	0.9 - 4.3	18.72	18.74	2016-Feb-18	LTDL	0.56	0.59	18.16
					2016-Sep-22	15	1.95	1.97	16.77
					2017-Jan-11	70	0.38	0.40	18.34
					2017-Oct-19	10	0.38	0.40	18.34
					2018-Jan-10	n.m	0.34	0.37	18.37
					2018-Sep-5	35	1.47 *	1.50	17.25
					2018-Sep-10	n.m	1.17	1.19	17.55
					2019-Jan-11	30	0.35	0.38	18.36
	FFTA-2	0.9 - 4.6	19.08	19.15	2016-Feb-18	LTDL	0.11	0.18	18.97
					2016-Sep-22	LTDL	1.76	1.83	17.32
					2017-Jan-11	LTDL	0.38	0.44	18.70
					2018-Jan-10	5	0.19	0.26	18.89
					2018-Sep-5	LTDL	1.735 *	1.80	17.34
					2018-Sep-10	n.m	1.76	1.83	17.32
					2019-Jan-11	140	0.36	0.43	18.71
	FFTA-3	0.9 - 4.6	19.64	19.72	2016-Feb-18	LTDL	-0.06	0.03	19.69
					2016-Sep-22	30	1.40	1.48	18.24
					2017-Jan-11	LTDL	-0.03	0.06	19.66
					2018-Sep-10	n.m	1.5 *	1.59	18.14
					2019-Jan-11	LTDL	0.00	0.09	19.64
	MW15-01	2.0-5.0	17.96	18.03	2016-Feb-18	220	3.08	3.14	14.88
					2016-Sep-22	LTDL	2.40	2.47	15.56
					2017-Jan-11	LTDL	1.48	1.54	16.48
					2017-Oct-19	5	2.45	2.51	15.51
					2018-Jan-10	70	0.03	0.09	17.93
					2018-Sep-5	30	1.79 *	1.86	16.17
					2018-Sep-10	n.m	1.94	2.00	16.02
					2019-Jan-11	5	1.18	1.25	16.77
	MW15-02	0.9 - 4	19.55	19.66	2016-Feb-18	30	0.22	0.33	19.33
					2016-Sep-22	5	2.19	2.30	17.37
					2017-Jan-11	LTDL	0.64	0.75	18.91
					2018-Sep-10	n.m	2.24	2.35	17.32
					2019-Jan-11	45	0.13	0.24	19.42
	MW15-03	1.5 - 4.6	17.04	17.10	2016-Feb-18	LTDL	0.04	0.10	17.00
					2016-Sep-22	LTDL	2.88	2.94	14.16
					2017-Jan-11	LTDL	0.08	0.14	16.96
					2017-Oct-19	LTDL	2.39	2.45	14.65
					2018-Jan-10	LTDL	0.03	0.09	17.01
					2019-Jan-11	LTDL	0.76	0.83	16.27
	MW15-04	3.1 - 6.1	17.63	17.63	2016-Feb-18	LTDL	0.19	0.19	17.44
					2016-Sep-22	LTDL	2.23	2.23	15.40
					2017-Jan-11	LTDL	0.28	0.28	17.35
					2017-Oct-17	LTDL	2.30	2.30	15.33
					2018-Jan-9	LTDL	0.11	0.11	17.52
					2018-Feb-14	LTDL	0.27	0.27	17.36
					2018-Sep-5	30	2.04 *	2.04	15.59
					2018-Sep-10	n.m	2.09	2.09	15.54
					2019-Jan-11	55	0.17	0.17	17.46
	MW15-05	0.6 - 5.2	18.32	18.37	2016-Feb-18	LTDL	0.23	0.27	18.09
					2016-Sep-22	LTDL	1.18	1.23	17.14
					2017-Jan-11	LTDL	0.46	0.50	17.86
					2017-Oct-19	LTDL	0.41	0.46	17.91
					2018-Jan-9	LTDL	1.14	1.18	17.18
					2018-Sep-5	LTDL	2.84 *	2.89	15.48
					2018-Sep-10	n.m	1.16	1.21	17.16
					2019-Jan-11	140	1.44	1.48	16.88
	MW15-06	0.6 - 5.2	18.81	18.92	2016-Feb-18	LTDL	0.02	0.13	18.80
					2016-Sep-22	LTDL	2.60	2.71	16.22
					2017-Jan-11	LTDL	0.09	0.20	18.73
					2017-Oct-19	LTDL	2.61	2.72	16.20
					2018-Sep-10	n.m	2.78	2.89	16.04
					2019-Jan-11	500	0.08	0.19	18.73
	MW15-07	1.5 - 4.6	17.84	17.93	2016-Feb-18	35	0.07	0.16	17.78
					2016-Sep-22	LTDL	2.42	2.51	15.42
					2017-Jan-11	LTDL	0.15	0.24	17.70
					2017-Oct-16	35	2.63	2.72	15.21
					2018-Jan-10	30	0.11	0.20	17.74
					2018-Sep-5	LTDL	2.32 *	2.41	15.52
					2018-Sep-10	n.m	2.40	2.49	15.45
					2019-Jan-11	LTDL	1.23	1.32	16.61
	MW15-08	0.6 - 1.5	18.74	18.73	2016-Feb-18	LTDL	-0.02	-0.02	18.76
					2016-Sep-22	LTDL	dry	dry	dry
					2017-Jan-11	LTDL	0.05	0.04	18.69
					2017-Oct-19	LTDL	dry	dry	dry
					2018-Sep-10	n.m	dry	dry	dry
					2019-Jan-11	LTDL	0.92	0.92	17.81
	MW15-09	1.5 - 6.1	18.39	18.47	2016-Feb-18	40	-0.04	0.05	18.42
					2016-Sep-22	LTDL	2.70	2.78	15.69
					2017-Jan-11	LTDL	0.09	0.17	18.30
					2018-Sep-5	LTDL	2.681 *	2.76	15.71
					2018-Sep-10	n.m	2.76	2.84	15.63
					2019-Jan-11	LTDL	0.01	0.10	18.38
	MW15-10	1.5 - 4.6	18.06	18.15	2016-Feb-18	LTDL	0.09	0.18	17.97
					2016-Sep-22	LTDL	2.22	2.31	15.84
					2017-Jan-11	LTDL	0.15	0.24	17.91
					2018-Sep-10	n.m	2.24	2.33	15.82
					2019-Jan-11	>11,100	0.06	0.16	18.00
	MW16-11	0.8 - 2.3	18.28	18.38	2016-Sep-22	LTDL	2.23	2.34	16.05
					2017-Jan-11	LTDL	*Could not access, ice and snow.*		
					2017-Jan-24	LTDL	*Could not access, below water.*		
					2017-Oct-19	LTDL	2.17	2.28	16.11
					2018-Jan-8	LTDL	0.10	0.21	18.18
					2018-Sep-4	20	dry	dry	dry
					2018-Sep-10	n.m	dry	dry	dry
					2019-Jan-11	85	0.61	0.71	17.67

TABLE 14: GROUNDWATER OBSERVATIONS

Monitoring Zone	Monitoring Well ID	Well Screen Interval (mbg)	TOC Elevation (m)	Ground Elevation (m)	Monitoring Date	HSVL (ppmv)	Depth to Water below TOC (m)	Depth to Water (mbg)	Groundwater Elevation (m)
FFTA	MW16-12	0.8 - 2	19.97	20.08	2016-Sep-22	LTDL	1.93	2.04	18.04
					2017-Jan-11	LTDL	-0.01	0.10	19.98
					2017-Oct-19	5	1.97	2.08	18.00
					2018-Jan-9	LTDL	0.07	0.18	19.90
					2018-Sep-4	LTDL	dry	dry	dry
					2018-Sep-10	n.m	1.93	2.05	18.04
					2019-Jan-11	5	0.44	0.56	19.53
	MW16-13	0.8 - 2.3	19.31	19.43	2016-Sep-22	LTDL	1.52	1.64	17.80
					2017-Jan-9	LTDL	0.01	0.13	19.31
					2017-Jan-11	LTDL	0.40	0.52	18.92
					2017-Oct-19	LTDL	0.01	0.13	19.31
					2018-Sep-5	LTDL	1.99 *	2.11	17.33
					2018-Sep-10	n.m	0.45	0.57	18.86
					2019-Jan-11	LTDL	0.06	0.18	19.26
	MW16-14	0.8 - 2.3	17.60	17.72	2016-Sep-22	LTDL	2.28	2.39	15.33
					2017-Jan-11	LTDL	0.53	0.64	17.07
					2017-Oct-19	30	2.00	2.11	15.61
					2018-Jan-9	LTDL	0.02	0.14	17.58
					2018-Sep-5	30	1.911 *	2.03	15.69
					2018-Sep-10	n.m	2.03	2.15	15.57
					2019-Jan-11	15	0.20	0.31	17.40
	MW16-15	0.8 - 2.3	17.42	17.50	2016-Sep-22	LTDL	1.83	1.91	15.59
					2017-Jan-11	LTDL	0.46	0.53	16.97
					2017-Oct-19	LTDL	0.22	0.29	17.20
					2018-Jan-9	LTDL	0.02	0.09	17.41
					2018-Sep-4	LTDL	2.262 *	2.34	15.16
					2018-Sep-10	n.m	2.01	2.08	15.42
					2019-Jan-11	30	0.38	0.46	17.04
	MW16-16	4.6 - 6.1	17.47	17.54	2016-Sep-22	LTDL	4.88	4.94	12.60
					2017-Jan-11	LTDL	2.61	2.68	14.86
					2017-Oct-19	LTDL	2.29	2.35	15.19
					2018-Jan-9	LTDL	0.56	0.63	16.91
					2018-Sep-4	30	1.805 *	1.87	15.67
					2018-Sep-10	n.m	2.30	2.37	15.17
					2019-Jan-11	55	2.02	2.08	15.46
	MW16-17	0.8 - 2.3	15.10	15.20	2016-Sep-22	LTDL	dry	dry	dry
					2017-Jan-11	LTDL	0.20	0.30	14.91
					2017-Oct-19	LTDL	dry	dry	dry
					2018-Jan-9	LTDL	0.02	0.12	15.09
					2018-Sep-4	LTDL	dry	dry	dry
					2018-Sep-10	n.m	dry	dry	dry
					2019-Jan-11	LTDL	0.04	0.14	15.06
	MW16-18	0.8 - 2.3	14.09	14.15	2016-Sep-22	LTDL	2.40	2.46	11.69
					2017-Jan-11	LTDL	0.43	0.49	13.66
					2017-Oct-19	10	0.96	1.02	13.13
					2018-Jan-8	LTDL	0.15	0.22	13.93
					2018-Feb-14	LTDL	0.46	0.52	13.63
					2018-Sep-4	5	2.11 *	2.18	11.98
					2018-Sep-10	n.m	2.34	2.40	11.75
					2019-Jan-11	LTDL	0.37	0.43	13.72
	MW16-19	4.7 - 6.2	14.05	14.14	2016-Sep-22	LTDL	3.03	3.12	11.02
					2017-Jan-11	LTDL	0.69	0.77	13.36
					2017-Oct-18	30	3.18	3.27	10.87
					2018-Jan-8	35	0.90	0.99	13.15
					2018-Feb-14	LTDL	0.90	0.98	13.15
					2018-Sep-4	LTDL	2.73 *	2.82	11.32
					2018-Sep-10	n.m	2.81	2.90	11.24
					2019-Jan-11	LTDL	0.57	0.66	13.48
	MW16-20	0.8 - 2.3	16.35	16.46	2016-Sep-22	LTDL	2.27	2.38	14.08
					2017-Jan-11	LTDL	0.11	0.22	16.24
					2017-Oct-19	LTDL	2.21	2.32	14.14
					2018-Jan-8	LTDL	0.05	0.16	16.30
					2018-Sep-10	n.m	dry	dry	dry
					2019-Jan-11	LTDL	0.38	0.48	15.98
	P17-1	1.1 - 1.5	15.00	14.13	2017-Oct-18	LTDL	1.59	0.72	13.41
					2018-Jan-8	LTDL	0.95	0.08	14.05
					2018-Sep-4	LTDL	dry	dry	dry
					2018-Sep-10	n.m	1.91	1.04	13.09
					2019-Jan-11	LTDL	0.97	0.10	14.03
	P17-2	2.4 - 2.7	14.52	13.65	2017-Oct-13	LTDL	dry	dry	dry
					2017-Oct-17	LTDL	dry	dry	dry
					2018-Jan-8	LTDL	0.84	-0.03	13.68
					2018-Feb-14	LTDL	0.92	0.05	13.60
					2018-Sep-4	20	2.91 *	2.05	11.61
					2018-Sep-10	n.m	3.05	2.18	11.47
					2019-Jan-11	LTDL	1.59	0.72	12.93
	P17-3S	0.5 - 0.9	16.71	15.80	2017-Oct-18	LTDL	1.78	0.87	14.93
					2018-Jan-8	10	0.92	0.01	15.79
					2018-Sep-4	55	dry	dry	dry
					2018-Sep-10	n.m.	1.80	0.89	14.91
					2019-Jan-11	LTDL	0.94	0.04	15.76
	P17-3D	1.5 - 1.8	16.71	15.79	2017-Oct-13	LTDL	dry	dry	dry
					2017-Oct-18	LTDL	2.70	1.78	14.01
					2018-Jan-8	15	0.98	0.06	15.73
					2018-Sep-4	30	dry	dry	dry
					2018-Sep-10	n.m.	2.71	1.78	14.01
					2019-Jan-11	LTDL	1.03	0.11	15.68
	P17-4	0.5 - 0.9	18.48	17.57	2017-Oct-13	LTDL	dry	dry	dry
					2017-Oct-16	LTDL	dry	dry	dry
					2018-Jan-9	LTDL	0.97	0.06	17.51
					2018-Feb-14	n.m	1.12	0.21	17.36
					2018-Mar-5	n.m	1.14	0.23	17.34
					2018-Sep-5	LTDL	dry	dry	dry
					2018-Sep-10	n.m	dry	dry	dry
					2019-Jan-11	LTDL	1.03	0.12	17.45
	P17-5	0.9 - 1.4	19.33	18.47	2017-Oct-17	n.m	1.81	0.95	17.52
					2018-Jan-9	LTDL	1.46	0.60	17.87
					2018-Sep-5	LTDL	1.937 *	1.08	17.39
					2018-Sep-10	n.m	1.78	0.92	17.56
					2019-Jan-11	5	1.44	0.58	17.89

TABLE 14: GROUNDWATER OBSERVATIONS

Monitoring Zone	Monitoring Well ID	Well Screen Interval (mbg)	TOC Elevation (m)	Ground Elevation (m)	Monitoring Date	HSVL (ppmv)	Depth to Water below TOC (m)	Depth to Water (mbg)	Groundwater Elevation (m)
FFTA	P17-6S	0.6 - 1.1	18.05	17.02	2017-Oct-16	n.m	1.97	0.94	16.08
					2018-Jan-8	LTDL	1.08	0.05	16.97
					2018-Sep-5	LTDL	dry	dry	dry
					2018-Sep-10	n.m.	dry	dry	dry
					2019-Jan-11	LTDL	1.11	0.08	16.94
	P17-6D	1.5 - 2	17.95	17.03	2017-Oct-16	LTDL	1.94	1.01	16.02
					2018-Jan-9	10	0.93	0.00	17.03
					2018-Sep-5	LTDL	2.228 *	1.31	15.72
					2018-Sep-10	n.m	dry	dry	dry
					2019-Jan-11	35	0.97	0.05	16.98
	P17-7S	0.6 - 1.1	17.87	16.77	2017-Oct-16	LTDL	dry	dry	dry
					2018-Jan-9	LTDL	1.25	0.15	16.62
					2018-Feb-14	n.m	1.46	0.36	16.41
					2018-Sep-4	70	dry	dry	dry
					2018-Sep-10	n.m	2.02	0.93	15.85
					2019-Jan-11	25	1.33	0.23	16.54
	P17-7D	1.7 - 2	17.75	16.72	2017-Oct-16	LTDL	dry	dry	dry
					2018-Jan-9	LTDL	1.20	0.17	16.55
					2018-Feb-14	n.m	1.39	0.36	16.36
					2018-Sep-4	40	2.645 *	1.62	15.10
					2018-Sep-10	n.m	2.75	1.72	15.00
					2019-Jan-11	LTDL	1.34	0.32	16.41
	P17-7-INSTREAM	1 - 1.3	16.61	14.75	2017-Feb-14	LTDL	1.49	-0.37	15.12
					2017-Oct-16	LTDL	1.25	-0.61	15.36
					2018-Jan-9	LTDL	0.97	-0.90	15.65
					2018-Sep-10	LTDL	1.73	-0.14	14.89
					2019-Jan-11	LTDL	0.584	-1.279	16.029
	P17-8S	0.9-1.2	14.60	13.80	2017-Oct-16	LTDL	dry	dry	dry
					2018-Jan-9	LTDL	1.15	0.35	13.45
					2018-Sep-4	30	dry	dry	dry
					2018-Sep-10	n.m.	1.78	0.98	12.82
					2019-Jan-11	10	1.22	0.42	13.38
	P17-8D	1.5 - 2	14.58	13.75	2017-Oct-16	LTDL	2.78	1.94	11.81
					2018-Jan-9	LTDL	1.19	0.36	13.39
					2018-Sep-4	80	2.18 *	1.35	12.40
					2018-Sep-10	n.m.	2.25	1.42	12.33
					2019-Jan-11	LTDL	1.46	0.63	13.12
	P17-8-INSTREAM	1.0 - 1.3	13.92	12.68	2017-Oct-16	LTDL	1.570	0.335	12.348
					2018-Jan-9	LTDL	1.230	-0.005	12.688
					2018-Sep-10	LTDL	1.080	-0.155	12.838
					2019-Jan-11	LTDL	0.916	-0.319	13.002

Notes:
m - metre
mbg- metres below grade
HSVL - headspace vapour level (ppmv)
ppmv - parts per million volumetric
TOC - top of well casing
masl - metres above mean sea level;
n.m. - not measured.
LTDL - less than detection limit of the instrument.
* - water levels taken the same day of sampling (post sampling), and data was not used to support hydrogelogical interpretations.

Additional groundwater observation data is available in the 2019 SNC-Lavalin Inc. Supplementary Detailed Site Investigation report, included in Annex E.

TABLE 15: GROUNDWATER - FIELD MEASUREMENTS

					Field					
					temp (field)	pH (field)	EC (field)	Oxidation-Reduction Potential (field)	DO (field)	turbidity
					oC	pH_Units	µS/cm	mV	mg/L	NTU
Site Area	Sample Location	Well Screen Depth (mbg)	Sample Date	Sample ID						
FFTA	FFTA-1	0.90 - 4.30	2016-Feb-18	FFTA-1	9.01	7.1	506	-	0.92	-
			2016-Sep-20	FFTA-1	15.95	6.56	1050	-	8.85	2.9
			2016-Sep-22	FFTA-1	15.95	6.56	1050	-	8.85	2.9
			2017-Jan-10	FFTA-1	3.28	7.2	1.07	-	1.99	16.9
			2017-Jan-11	FFTA-1	3.28	7.2	1070	-	1.99	16.9
			2017-Oct-19	FFTA-1	12.83	7.37	412	43	6.27	14.3
			2018-Jan-10	FFTA-1	6.31	6.91	953	198	1.89	3.9
			2018-Sep-5	FFTA18-DUPD	18.1	7.21	939	-101.5	0.49	9.36
				FFTA-1	18.1	7.21	939	-101.5	0.49	9.36
			2019-Jan-10	FFTA-1	9.9	7.29	805	119	0.41	0
	FFTA-2	0.90 - 4.60	2016-Feb-18	FFTA-2	8.67	7.15	254	-	0.55	-
			2016-Sep-20	FFTA-2	16.05	6.45	939	-	8	3
			2016-Sep-22	FFTA-2	16.05	6.45	939	-	8	3
			2017-Jan-10	FFTA-2	2.87	7.21	0.623	-	1.67	38.9
			2017-Jan-11	FFTA-2	2.87	7.21	623	-	1.67	38.9
			2018-Jan-10	FFTA-2	5.79	6.98	361	12	0.31	5.5
			2018-Sep-5	FFTA18-DUPE	16.2	7.05	727	-80.6	0.43	3.12
				FFTA-2	9.79	7.26	509	-68	0	0
	FFTA-3	0.90 - 4.60	2016-Feb-18	FFTA-3	8.62	6.24	198	-	0.32	-
			2016-Sep-20	FFTA-3	18.1	6.1	410	-	1.5	26.5
			2016-Sep-22	FFTA-3	18.1	6.1	410	-	1.5	26.5
			2017-Jan-10	FFTA-3	1.85	6.38	0.418	-60	1.31	11.1
			2017-Jan-11	FFTA-3	1.85	6.38	418	-60	1.31	11.1
			2018-Sep-10	FFTA-3	17.6	6.47	276	109	0.83	9.9
			2019-Jan-9	FFTA-3	9.77	6.14	295	9	0	0
	MW15-01	2.00 - 5.00	2016-Feb-18	MW15-01	10.32	7.28	869	-	0.42	-
			2016-Sep-21	MW15-01	15.05	7.07	1.51	-	0.19	70.1
			2016-Sep-22	MW15-01	15.05	7.07	1510	-	0.19	70.1
			2017-Jan-10	MW15-01	1.9	7.14	1.35	-	2.16	18.9
			2017-Jan-11	MW15-01	1.9	7.14	1350	-	2.16	18.9
			2017-Oct-19	MW15-01	11.9	8.01	1530	229	1.81	10
			2018-Jan-10	MW15-01	7.18	6.99	1590	-11	2.92	8
			2018-Sep-5	MW15-01	16.3	7.08	1380	-107.1	0.39	9.89
			2019-Jan-9	MW15-01	8.98	7.24	1370	-109	0.17	0
	MW15-02	0.90 - 4.00	2016-Feb-18	MW15-02	8.98	6.66	469	-	0.93	-
			2016-Sep-20	MW15-02	19.08	6.45	757	-	0.53	145
			2016-Sep-22	MW15-02	19.08	6.45	757	-	0.53	145
			2017-Jan-10	MW15-02	1.78	7.17	0.79	-	2.65	394
			2017-Jan-11	MW15-02	1.78	7.17	790	-	2.65	394
	MW15-03	1.50 - 4.60	2016-Feb-18	MW15-03	9.43	7.44	547	-	3.75	-
			2016-Sep-21	MW15-03	15.75	7.47	823	-	1.38	328
			2016-Sep-22	MW15-03	15.75	7.47	823	-	1.38	328
			2017-Jan-10	MW15-03	1.58	7.09	0.946	151	3.89	8.1
			2017-Jan-11	MW15-03	1.58	7.09	946	151	3.89	8.1
			2017-Oct-19	MW15-03	11.37	8.01	801	47	4.11	5.91
			2018-Jan-10	MW15-03	7.22	7.31	752	171	3.56	1.4
	MW15-04	3.10 - 6.10	2016-Feb-18	MW15-04	10.82	7.58	500	-	0.59	-
			2016-Sep-21	MW15-04	15.7	7.49	652	-	1.16	3.5
			2016-Sep-22	MW15-04	15.7	7.49	652	-	1.16	3.5
			2017-Jan-10	MW15-04	1.7	7.02	0.722	-	4	3.2
			2017-Jan-11	MW15-04	1.7	7.02	722	-	4	3.2
			2017-Oct-17	MW15-04	10.37	8.01	739	133	1.41	16.1
			2018-Jan-9	MW15-04	8.15	7.44	718	-16	1.07	3.1
			2018-Feb-14	MW15-04	8.8	7.7	558	-	-	-
				MW15-04	8.8	7.7	558	-	-	-
			2018-Sep-5	MW15-04	15.1	7.59	588	-55.4	0.45	1.03
			2019-Jan-9	MW15-04	7.63	7.78	361	-	1.85	-

TABLE 15: GROUNDWATER - FIELD MEASUREMENTS

					Field					
					temp (field)	pH (field)	EC (field)	Oxidation-Reduction Potential (field)	DO (field)	turbidity
					oC	pH_Units	µS/cm	mV	mg/L	NTU
Site Area	Sample Location	Well Screen Depth (mbg)	Sample Date	Sample ID						
FFTA	MW15-05	0.60 - 5.20	2016-Feb-18	MW15-05	8.51	6.78	311	-	0.33	-
			2016-Sep-21	MW15-05	14.56	6.55	503	-	0.1	23
			2016-Sep-22	MW15-05	14.56	6.55	503	-	0.1	23
			2017-Jan-9	MW15-05	3.38	7.17	0.643	57	1.63	12.5
			2017-Jan-11	MW15-05	3.38	7.17	643	57	1.63	12.5
			2017-Oct-19	MW15-05	10.18	7.36	701	-70	1.55	24.8
			2018-Jan-9	MW15-05	9.5	6.7	527	18	1.45	24.1
			2018-Sep-5	FFTA18-DUPB	15.8	7.14	549	-99.2	0.36	28.29
			2018-Sep-5	MW15-05	15.8	7.14	549	-99.2	0.36	28.29
			2019-Jan-9	FFTA-190109-DUPA	8.12	7.19	249	14	4.12	0
			2019-Jan-9	MW15-05	8.12	7.19	249	14	4.12	0
	MW15-06	0.60 - 5.20	2016-Feb-18	MW15-06	7.24	6.77	149	-	0.69	-
			2016-Sep-21	MW15-06	11.38	8.5	0.86	-	1.52	11.4
			2016-Sep-22	MW15-06	11.38	8.5	860	-	1.52	11.4
			2017-Jan-9	MW15-06	4.05	6.99	0.508	-	1.79	38.1
			2017-Jan-11	MW15-06	4.05	6.99	508	-	1.79	38.1
	MW15-07	1.50 - 4.60	2016-Feb-18	MW15-07	10.14	7.2	657	-	2.75	-
			2016-Sep-21	MW15-07	16.85	7.15	0.92	-	2.75	47.5
			2016-Sep-22	MW15-07	16.85	7.15	920	-	2.75	47.5
			2017-Jan-10	MW15-07	4.76	7.04	1.08	-	1.57	34.6
			2017-Jan-11	MW15-07	4.76	7.04	1080	-	1.57	34.6
			2017-Oct-16	MW15-07	12.09	7.07	960	116	2.15	0.5
			2018-Jan-10	MW15-07	6.31	6.91	953	198	1.89	3.9
			2018-Sep-5	FFTA18-DUPC	18	7.17	825	14.4	1.69	9.96
			2018-Sep-5	MW15-07	18	7.17	825	14.4	1.69	9.96
	MW15-08	0.60 - 1.50	2016-Feb-18	MW15-08	7.8	6.88	386	-	3.97	-
			2017-Jan-11	MW15-08	1.92	7.05	1130	-	3.01	89
	MW15-09	1.50 - 6.10	2016-Feb-18	MW15-09	7.8	7.13	433	-	0.55	-
			2016-Sep-21	MW15-09	12.66	7	1.19	-	0.13	45
			2016-Sep-22	MW15-09	12.66	7	1190	-	0.13	45
			2017-Jan-11	MW15-09	3.97	6.72	989	69	1.9	20.9
				MW15-09	3.97	6.72	0.989	69	1.9	20.9
			2018-Sep-5	MW15-09	13.89	6.63	702	-	1.5	98.1
			2019-Jan-9	MW15-09	7.06	7.04	858	62	0.9	0
	MW15-10	1.50 - 4.60	2016-Feb-18	MW15-10	8.34	7.31	250	-	3.42	-
			2016-Sep-21	MW15-10	13.39	7.56	0.56	-	0.67	615
			2016-Sep-22	MW15-10	13.39	7.56	560	-	0.67	615
			2017-Jan-11	MW15-10	6.83	7.2	405	94	3.38	116
				MW15-10	6.83	7.2	0.405	94	3.38	116
	MW16-11	0.80 - 2.30	2018-Jan-8	MW16-11	7.01	7.2	1080	270	0.979	5.4
			2019-Jan-8	MW16-11	7.62	7.5	596	253	6.48	0
	MW16-12	0.80 - 2.00	2017-Jan-9	MW16-12	7.62	6.96	0.855	200	3.55	5.4
			2017-Jan-11	MW16-12	2.79	7.18	667	69	2.73	36
			2018-Jan-9	MW16-12	7.62	6.96	855	200	3.55	5.4
			2019-Jan-9	MW16-12	7.23	7.21	726	67	0.21	0
	MW16-13	0.80 - 2.30	2016-Sep-22	MW16-13	14.61	7.69	625	-	1.69	39.1
				MW16-13	14.61	7.69	625	-	1.69	39.1
			2017-Jan-9	MW16-13	8.36	7.61	301	257	2.61	72.2
				MW16-13	2.5	7.28	0.537	140	1.05	50
			2017-Jan-11	MW16-13	2.5	7.28	537	140	1.05	50
			2017-Oct-19	MW16-13	11.5	7.4	335	276	4.8	3.9
			2018-Sep-11	MW16-13	17.3	7.12	376	74.1	5.94	6.6
			2019-Jan-9	MW16-13	7.03	7.55	313	56	0.26	0

TABLE 15: GROUNDWATER - FIELD MEASUREMENTS

					Field					
					temp (field)	pH (field)	EC (field)	Oxidation-Reduction Potential (field)	DO (field)	turbidity
					oC	pH_Units	µS/cm	mV	mg/L	NTU
Site Area	Sample Location	Well Screen Depth (mbg)	Sample Date	Sample ID						
FFTA	MW16-14	0.80 - 2.30	2017-Jan-10	MW16-14	7.13	6.88	0.706	201	3.75	4.9
			2017-Jan-11	MW16-14	2.01	6.86	853	102	1.99	6.4
			2017-Jan-24	MW16-14	2.01	6.86	0.853	102	1.99	6.4
			2017-Oct-19	MW16-14	11.84	7.3	974	14	1.26	2
			2018-Jan-9	MW16-14	7.13	6.88	706	201	3.75	4.9
			2018-Sep-5	FFTA18-DUPA	14.89	6.69	643	-	4.52	7.73
				MW16-14	14.89	6.69	643	-	4.52	7.73
			2019-Jan-8	MW16-14	6.48	6.95	609	82	1.45	0
	MW16-15	0.80 - 2.30	2016-Sep-22	MW16-15	15.16	7.09	986	-	0.46	29.8
				MW16-15	15.16	7.09	986	-	0.46	29.8
			2017-Jan-9	MW16-15	2.79	7.29	0.324	127	2.62	69.5
			2017-Jan-11	MW16-15	2.79	7.29	324	127	2.62	69.5
			2017-Oct-19	MW16-15	11.05	6.79	182	130	3.22	12.5
			2018-Jan-9	MW16-15	7.43	7	160	247	0.1	12.4
			2018-Sep-4	MW16-15	14.9	7.74	631	11.5	0.75	9.87
			2019-Jan-8	FFTA-190108-DUPD	4.34	8.01	281	-15	1.79	0
			2019-Jan-8	MW16-15	4.34	8.01	281	-15	1.79	0
	MW16-16	4.60 - 6.10	2016-Sep-21	MW16-16	15.35	8.1	509	-	9.23	34.5
			2016-Sep-22	MW16-16	15.35	8.1	509	-	9.23	34.5
			2017-Jan-9	MW16-16	5.2	7.03	0.78	-	2.98	38.1
			2017-Jan-11	MW16-16	5.2	7.03	780	-	2.98	38.1
			2017-Oct-19	MW16-16	11.54	8.53	743	135	7.28	18.2
			2018-Jan-9	MW16-16	7.81	6.99	398	296	0.61	2.2
			2018-Sep-4	MW16-16	14.9	7.74	631	11.5	0.75	9.87
			2019-Jan-8	FFTA-190108-DUPC	5.88	7.9	524	-46	0.19	0
			2019-Jan-8	MW16-16	5.88	7.9	524	-46	0.19	0
	MW16-17	0.80 - 2.30	2017-Jan-10	MW16-17	5.19	7.47	0.777	150	3.98	6.3
			2017-Jan-11	MW16-17	5.19	7.47	777	150	3.98	6.3
			2018-Jan-9	MW16-17	13.71	7.02	559	202	1.52	4.6
			2019-Jan-8	MW16-17	7.22	6.94	896	-89	0.53	0
	MW16-18	0.80 - 2.30	2017-Jan-9	MW16-18	8.92	7.26	0.678	196	2.61	2.3
			2017-Jan-11	MW16-18	8.92	7.26	678	196	2.61	2.3
			2017-Oct-19	MW16-18	13.46	7.83	428	28	9.24	19
			2018-Jan-8	MW16-18	8.1	7.17	591	281	0.51	2.5
			2018-Feb-14	MW16-18	9.4	7.7	423	-	-	-
				MW16-18	9.4	7.7	423	-	-	-
			2018-Sep-4	MW16-18	17.76	6.76	550	-	3.21	29.4
			2019-Jan-8	MW16-18	3.46	7.44	441	158	0.2	0
	MW16-19	4.70 - 6.20	2016-Sep-21	MW16-19	17.33	8.05	599	-	3.51	45.3
			2016-Sep-22	MW16-19	17.33	8.05	599	-	3.51	45.3
			2017-Jan-9	MW16-19	11.43	7.63	0.411	165	2.73	1.9
			2017-Jan-11	MW16-19	11.43	7.63	411	165	2.73	1.9
			2017-Oct-18	MW16-19	9.75	7.17	353	145	1.79	3.4
			2018-Jan-8	MW16-19	8.51	7.29	479	272	3.89	0.8
			2018-Feb-14	MW16-19	10	7.6	371	-	-	-
			2018-Feb-14	MW16-19	10	7.6	371	-	-	-
			2018-Sep-4	MW16-19	16.8	7.61	355	33.1	0.67	2.87
			2019-Jan-8	FFTA-190108-DUPB	7.6	7.14	316	156	3.18	1.2
			2019-Jan-8	MW16-19	7.6	7.14	316	156	3.18	1.2
	MW16-20	0.80 - 2.30	2017-Jan-9	MW16-20	6.12	6.89	0.773	170	2.69	170
			2017-Jan-11	MW16-20	6.12	6.89	773	170	2.69	170
			2018-Jan-8	MW16-20	6.92	7.11	763	256	2.37	2.5
			2019-Jan-8	FFTA-190108-DUPA	2	10.18	-	253	6.48	0
			2019-Jan-8	MW16-20	2	10.18	-	253	6.48	0

TABLE 15: GROUNDWATER - FIELD MEASUREMENTS

					Field					
					temp (field)	pH (field)	EC (field)	Oxidation-Reduction Potential (field)	DO (field)	turbidity
					oC	pH_Units	µS/cm	mV	mg/L	NTU
Site Area	Sample Location	Well Screen Depth (mbg)	Sample Date	Sample ID						
FFTA	P17-1	1.10 - 1.50	2017-Oct-18	P17-1	7.76	7.59	294	205	7.69	425
			2018-Jan-8	P17-1	6.41	7.23	249	254	5.74	5.3
			2019-Jan-8	P17-1	5.78	7.91	211	215	7.2	0
	P17-2	2.40 - 2.70	2018-Jan-8	P17-2	7.04	7.43	630	241	3.31	5.7
			2018-Feb-14	P17-2	7.8	7.63	437	-	-	-
				PIEZO17-2	7.8	7.63	437	-	-	-
			2018-Sep-4	P17-2	18	8.08	233	-	5.61	-
			2019-Jan-8	P17-2	3.52	8.25	418	150	3.29	2.1
	P17-3D	1.50 - 1.80	2018-Jan-8	P17-3D	6.24	7.34	594	216	3.31	2.5
			2019-Jan-9	P17-3D	4.74	7.9	423	1.29	5.28	3.8
	P17-3S	0.50 - 0.90	2018-Jan-8	P17-3S	6.23	7.05	660	52	0.57	3.5
			2019-Jan-9	P17-3S	3.77	7.95	437	138	7.53	0
	P17-4	0.50 - 0.90	2018-Jan-9	P17-4	7.41	7.42	461	-125	0.69	60.6
			2018-Feb-14	P17-4	5.7	7.4	255	-	-	-
				PIEZO17-4	5.7	7.4	255	-	-	-
			2018-Mar-5	P17-4	5.8	7.4	255	-	-	-
			2019-Jan-9	P17-4	8	7.89	315	84	2.79	0
	P17-5	0.90 - 1.40	2018-Jan-9	P17-5	7.53	6.64	762	161	1.63	33.8
			2019-Jan-9	P17-5	9.45	8	415	110	2.61	10
	P17-6D	1.50 - 2.00	2017-Oct-16	P17-6D	12.34	7.13	903	190	10.41	2.1
			2018-Jan-9	P17-6D	7.26	7.02	525	150	4.12	8
			2018-Sep-5	P17-6D	15	7.13	551	-36.8	3.51	3.01
			2019-Jan-8	P17-6D	5.08	7.25	509	68	3.2	0
	P17-6S	0.60 - 1.10	2018-Jan-8	P17-6S	6.95	7.19	813	258	1.39	27
			2019-Jan-8	P17-6S	5.87	7.12	463	97	5.99	0
	P17-7D	1.70 - 2.00	2018-Jan-9	P17-7D	6.38	7	726	235	1.74	19.2
			2018-Feb-14	P17-7D	6.7	7.4	566	-	-	-
			2018-Feb-14	PIEZO17-7D	6.7	7.4	566	-	-	-
			2018-Sep-4	P17-7D	18.61	6.86	584	-	3.1	9.9
			2019-Jan-8	P17-7D	5.42	7.67	477	141	2.79	0
	P17-7-INSTREAM	1.00 - 1.30	2017-Oct-16	P17-7-INSTREAM	9.96	9.93	1	-	12.99	96.5
			2018-Sep-6	P17-7-INSTREAM	18.1	8.1	204	29.9	2.31	1.13
	P17-7S	0.60 - 1.10	2018-Jan-9	P17-7S	4.81	8.05	736	91	12.71	10.4
			2018-Feb-14	P17-7S	6	8	388	-	-	-
				PIEZO17-7S	6	8	388	-	-	-
			2019-Jan-8	P17-7S	7.22	7.7	424	133	5.36	0
	P17-8D	1.50 - 2.00	2018-Sep-4	P17-8D	14.72	6.95	557	-50	1.78	9.3
			2019-Jan-8	P17-8D	5.39	7.18	582	-50	15.35	0
	P17-8-INSTREAM	1.00 - 1.30	2017-Oct-16	P17-8-INSTREAM	12.14	7.34	-	362	12.14	83.5
	P17-8S	1.10 - 1.50	2018-Jan-9	P17-8S	4.88	6.96	522	173	2.98	2.1
			2019-Jan-8	P17-8S	5.5	6.99	501	-35	0.63	0

Notes:

mbg - metres below grade

µg/L - micrograms per litre

mg/L - milligrams per litre

ns, ng - no standard or guideline listed

< - less than reported detection limit

'-' - sample not analyzed for parameter indicated

• formatting of cells indicates exceedances of like-formatted standards

• where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded

• samples collected at the same location and date are blind field duplicate / parent pairs

TABLE 16: GROUNDWATER - TOTAL ORGANIC CARBON

	Carbon
	Dissolved Organic Carbon (Filtered)
	mg/L
Reported Detection Limit	0.5

Site Area	Sample Location	Well Screen Depth (mbg)	Sample Date	Sample ID	
FFTA	MW16-11	0.80 - 2.30	2017-Jan-24	MW16-11	7.4
	MW16-12	0.80 - 2.00	2017-Jan-24	MW16-12	3.48
	MW16-13	0.80 - 2.30	2016-Sep-22	MW16-13	15.4
	MW16-14	0.80 - 2.30	2017-Jan-24	MW16-14	6.18
	MW16-15	0.80 - 2.30	2016-Sep-22	MW16-15	8.44
	MW16-16	4.60 - 6.10	2016-Sep-21	FFTA16-DUP-C	3.57
			2016-Sep-21	MW16-16	4.5
	MW16-17	0.80 - 2.30	2017-Jan-24	MW16-17	2.17
	MW16-18	0.80 - 2.30	2017-Jan-24	MW16-18	3.3
	MW16-19	4.70 - 6.20	2016-Sep-21	MW16-19	2.35
	MW16-20	0.80 - 2.30	2017-Jan-24	MW16-20	4.08

Notes:

mbg - metres below grade

µg/L - micrograms per litre

mg/L - milligrams per litre

ns, ng - no standard or guideline listed

< - less than reported detection limit

'-' - sample not analyzed for parameter indicated

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected at the same location and date are blind field duplicate / parent pairs

TABLE 17: GROUNDWATER - PETROLEUM HYDROCARBONS

Site Area	Location	Depth (mbg)	Sample Date	Sample ID	Petroleum Hydrocarbons												
					benzene	toluene	ethylbenzene	total xylenes	styrene	methyl tert-butyl ether [MTBE]	VHw	VPHw	F1 (C6-C10 less BTEX)	F1 (C6-C10)	F2 (C10-C16)	F3 (C16-C34)	F4 (C34-C50)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Reported Detection Limit					0.4	0.4	0.4	0.4	0.5	4	300	300	300	300	150	200	200
BC CSR DW					**5**	**60**	**140**	**90**	**800**	**95**	**15000**						
BC CSR AWF					**400**	**5**	**2000**	**300**	**720**	**34000**	**15000**	**1500**					
BC CSR AWM					**1000**	**2000**	**2500**	**300**	**720**	**4400**	**15000**	**1500**					
FFTA	FFTA-1	0.90 - 4.30	2016-Sep-20	FFTA-1	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	FFTA-2	0.90 - 4.60	2016-Sep-20	FFTA-2	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	FFTA-3	0.90 - 4.60	2016-Sep-20	FFTA16-DUP-A	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
			2016-Sep-20	FFTA-3	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	MW15-01	2.00 - 5.00	2016-Sep-21	MW15-01	3.4	<0.4	4.9	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
			2018-Sep-5	MW15-01	2.4	<0.4	1.8	<0.4	<0.5	<4	<300	<300	<300	<300	-	-	-
			2019-Jan-9	MW15-01	3.3	<0.4	1.7	<0.4	<0.5	<4	-	-	-	-	-	-	-
	MW15-02	0.90 - 4.00	2016-Sep-20	MW15-02	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	MW15-03	1.50 - 4.60	2016-Sep-21	MW15-03	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	MW15-04	3.10 - 6.10	2016-Sep-21	MW15-04	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	MW15-05	0.60 - 5.20	2016-Sep-21	MW15-05	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	MW15-06	0.60 - 5.20	2016-Sep-21	MW15-06	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	MW15-07	1.50 - 4.60	2016-Sep-21	MW15-07	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	MW15-09	1.50 - 6.10	2016-Sep-21	MW15-09	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	MW15-10	1.50 - 4.60	2016-Sep-21	MW15-10	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	MW16-11	0.80 - 2.30	2017-Jan-24	MW16-11	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	MW16-12	0.80 - 2.00	2017-Jan-9	MW16-12	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	MW16-13	0.80 - 2.30	2016-Sep-22	MW16-13	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
			2017-Jan-9	MW16-13	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	MW16-14	0.80 - 2.30	2017-Jan-10	MW16-14	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	1100
	MW16-15	0.80 - 2.30	2016-Sep-22	MW16-15	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
			2017-Jan-9	MW16-15	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	MW16-16	4.60 - 6.10	2016-Sep-21	FFTA16-DUP-C	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
			2016-Sep-21	MW16-16	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
			2017-Jan-9	MW16-16	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	MW16-17	0.80 - 2.30	2017-Jan-10	FFTA17-DUP-A	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
			2017-Jan-10	MW16-17	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	MW16-18	0.80 - 2.30	2017-Jan-9	MW16-18	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	MW16-19	4.70 - 6.20	2016-Sep-21	MW16-19	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
			2017-Jan-9	MW16-19	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200
	MW16-20	0.80 - 2.30	2017-Jan-9	MW16-20	<0.4	<0.4	<0.4	<0.4	<0.5	<4	<300	<300	<300	<300	<150	<200	<200

Standards / Guidelines Descriptions:

- BC CSR DW:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Drinking Water
- BC CSR AWF:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Freshwater Aquatic Life
- BC CSR AWM:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Marine Aquatic Life

Notes:

mbg - metres below grade
µg/L - micrograms per litre
mg/L - milligrams per litre
ns, ng - no standard or guideline listed
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated
• formatting of cells indicates exceedances of like-formatted standards
• where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
• samples collected at the same location and date are blind field duplicate / parent pairs
BTEX - benzene, toluene, ethylbenzene, xylenes
MTBE - methyl tert-butyl ether
VHw6-10 – volatile hydrocarbons in water (C6-C10)
VPHw – volatile petroleum hydrocarbons in water: VHw6-10 minus BTEX and styrene

TABLE 18: GROUNDWATER - POLYCYCLIC AROMATIC HYDROCARBONS

					PAHs																					
					acenaphthylene	acenaphthene	acridine	anthracene	benz(a)anthracene	benzo(b+j)fluoranthenes	benzo(g,h,i)perylene	benzo(k)fluoranthene	benzo(a)pyrene	chrysene	dibenz(a,h)anthracene	fluoranthene	fluorene	indeno(1,2,3-cd)pyrene	methylnaphthalene, 2-	naphthalene	phenanthrene	pyrene	quinoline	light molecular weight PAHs	heavy molecular weight PAHs	PAHs (sum of total)	B(a)P TPE (BC CSR)	B(a)P TPE (CCME)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Reported Detection Limit					0.05	0.05	0.05	0.01	0.01	0.05	0.05	0.05	0.009	0.05	0.006	0.02	0.05	0.05	0.1	0.1	0.05	0.02	0.04	0.1	0.05	0.1		
BC CSR DW						**250**		**1000**	**0.07**	**0.07**			**0.01**	**7**	**0.01**	**150**	**150**		**15**	**80**		**100**	**0.05**					
BC CSR AWF						**60**	**0.5**	**1**	**1**				**0.1**	**1**		**2**	**120**			**10**	**3**	**0.2**	**34**					
BC CSR AWM						**60**	**0.5**	**1**	**1**				**0.1**	**1**		**2**	**120**			**10**	**3**	**0.2**	**34**					
Site Area	**Sample Location**	**Well Screen Depth (mbg)**	**Sample Date**	**Sample ID**																								
FFTA	FFTA-1	0.90 - 4.30	2016-Sep-20	FFTA-1	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
	FFTA-2	0.90 - 4.60	2016-Sep-20	FFTA-2	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
	FFTA-3	0.90 - 4.60	2016-Sep-20	FFTA16-DUP-A	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
			2016-Sep-20	FFTA-3	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
	MW15-01	2.00 - 5.00	2016-Sep-21	MW15-01	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
	MW15-02	0.90 - 4.00	2016-Sep-20	MW15-02	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
	MW15-03	1.50 - 4.60	2016-Sep-21	MW15-03	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
	MW15-04	3.10 - 6.10	2016-Sep-21	MW15-04	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
	MW15-05	0.60 - 5.20	2016-Sep-21	MW15-05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
	MW15-06	0.60 - 5.20	2016-Sep-21	MW15-06	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
	MW15-07	1.50 - 4.60	2016-Sep-21	MW15-07	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
	MW15-09	1.50 - 6.10	2016-Sep-21	MW15-09	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
	MW15-10	1.50 - 4.60	2016-Sep-21	MW15-10	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
	MW16-11	0.80 - 2.30	2017-Jan-24	MW16-11	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.006	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.04	<0.1	<0.05	<0.1	<0.017	<0.027
	MW16-12	0.80 - 2.00	2017-Jan-9	MW16-12	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.0068	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.04	<0.1	<0.05	<0.1	<0.0178	<0.0278
	MW16-13	0.80 - 2.30	2016-Sep-22	MW16-13	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
			2017-Jan-9	MW16-13	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.006	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.04	<0.1	<0.05	<0.1	<0.017	<0.027
	MW16-14	0.80 - 2.30	2017-Jan-10	MW16-14	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.0063	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.04	<0.1	<0.05	<0.1	<0.0173	<0.0273
	MW16-15	0.80 - 2.30	2016-Sep-22	MW16-15	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
			2017-Jan-9	MW16-15	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.006	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.04	<0.1	<0.05	<0.1	<0.017	<0.027
	MW16-16	4.60 - 6.10	2016-Sep-21	FFTA16-DUP-C	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
			2016-Sep-21	MW16-16	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
			2017-Jan-9	MW16-16	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.006	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.04	<0.1	<0.05	<0.1	<0.017	<0.027
	MW16-17	0.80 - 2.30	2017-Jan-10	FFTA17-DUP-A	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.006	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.04	<0.1	<0.05	<0.1	<0.017	<0.027
			42745.38542	MW16-17	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.006	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.04	<0.1	<0.05	<0.1	<0.017	<0.027
	MW16-18	0.80 - 2.30	2017-Jan-9	MW16-18	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.006	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.04	<0.1	<0.05	<0.1	<0.017	<0.027
	MW16-19	4.70 - 6.20	2016-Sep-21	MW16-19	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.05	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.24	<0.24	<0.05	<0.24	<0.061	<0.071
			2017-Jan-9	MW16-19	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.006	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.04	<0.1	<0.05	<0.1	<0.017	<0.027
	MW16-20	0.80 - 2.30	2017-Jan-9	MW16-20	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.009	<0.05	<0.006	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.04	<0.1	<0.05	<0.1	<0.017	<0.027

Standards / Guidelines Descriptions:

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- BC CSR AWF:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Freshwater Aquatic Life
- BC CSR AWM:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Marine Aquatic Life

Notes:

mbg - metres below grade
µg/L - micrograms per litre
mg/L - milligrams per litre
ns, ng - no standard or guideline listed
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected at the same location and date are blind field duplicate / parent pairs

PAH - polycyclic aromatic hydrocarbons

TABLE 19: GROUNDWATER - VOLATILE ORGANIC COMPOUNDS

Site Area	Sample Location	2	Sample Date	Sample ID	VOCs: bromodichloromethane	bromoform	bromomethane	carbon tetrachloride	chlorobenzene	chloroethane	chloroform	chloromethane	dibromochloromethane [DBCM]	dibromoethane, 1,2-	dichlorobenzene, 1,2-	dichlorobenzene, 1,3	dichlorobenzene, 1,4	dichlorodifluoromethane	dichloroethane, 1,1-	dichloroethane, 1,2-	dichloroethylene, 1,1-	dichloroethylene, 1,2-cis-	dichloroethylene, 1,2-trans-	dichloromethane	dichloropropane, 1,2-	dichloropropene, cis-1,3-	dichloropropene, trans-1,3-	hexachlorobutadiene	tetrachloroethane, 1,1,1,2-	tetrachloroethane, 1,1,2,2-	tetrachloroethylene	trichloro-1,2,2-trifluoroethane, 1,1,2-	trichlorobenzene, 1,2,3-	trichlorobenzene, 1,2,4-	trichloroethane, 1,1,1-	trichloroethane, 1,1,2-	trichloroethylene	trichlorofluoromethane	vinyl chloride
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Reported Detection Limit					1	1	1	0.5	0.5	1	1	1	1	0.2	0.5	0.5	0.5	2	0.5	0.5	0.5	1	1	2	0.5	1	1	0.5	0.5	0.5	0.5	2	2	2	0.5	0.5	0.5	4	0.5
BC CSR DW					**100**	**100**	**5.5**	**2**	**80**		**100**		**100**	**0.5**	**200**		**5**	**800**	**30**	**5**	**14**	**8**	**80**	**50**	**4.5**			**2**	**6**	**0.8**	**30**	**100000**	**3**	**5.5**	**8000**	**3**	**5**	**1000**	**2**
BC CSR AWF								**130**	**13**		**20**				**7**	**1500**	**260**			**1000**				**980**				**15**			**1100**		**80**	**240**			**200**		
BC CSR AWM								**130**	**250**		**20**				**420**	**1500**	**260**			**1000**				**980**				**15**			**1100**		**80**	**54**			**200**		
FFTA	FFTA-1	0.90 - 4.30	2016-Sep-20	FFTA-1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	FFTA-2	0.90 - 4.60	2016-Sep-20	FFTA-2	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	FFTA-3	0.90 - 4.60	2016-Sep-20	FFTA16-DUP-A	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
			2016-Sep-20	FFTA-3	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW15-01	2.00 - 5.00	2016-Sep-21	MW15-01	<1	<1	<1	<0.5	**23**	14	<1	<1	<1	<0.2	**12**	<0.5	0.71	<2	2.9	0.65	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
			2018-Sep-5	MW15-01	<1	<1	<1	<0.5	**25**	<1	<1	<1	<1	<0.2	**7.6**	<0.5	0.58	<2	2	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
			2019-Jan-9	MW15-01	<1	<1	<1	<0.5	**31**	<1	<1	<1	<1	<0.2	**7.8**	<0.5	<0.5	<2	2.2	0.89	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW15-02	0.90 - 4.00	2016-Sep-20	MW15-02	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW15-03	1.50 - 4.60	2016-Sep-21	MW15-03	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW15-04	3.10 - 6.10	2016-Sep-21	MW15-04	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW15-05	0.60 - 5.20	2016-Sep-21	MW15-05	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW15-06	0.60 - 5.20	2016-Sep-21	MW15-06	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW15-07	1.50 - 4.60	2016-Sep-21	MW15-07	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW15-09	1.50 - 6.10	2016-Sep-21	MW15-09	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW15-10	1.50 - 4.60	2016-Sep-21	MW15-10	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW16-11	0.80 - 2.30	2017-Jan-24	MW16-11	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW16-12	0.80 - 2.00	2017-Jan-9	MW16-12	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW16-13	0.80 - 2.30	2016-Sep-22	MW16-13	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
			2017-Jan-9	MW16-13	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW16-14	0.80 - 2.30	2017-Jan-10	MW16-14	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW16-15	0.80 - 2.30	2016-Sep-22	MW16-15	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
			2017-Jan-9	MW16-15	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW16-16	4.60 - 6.10	2016-Sep-21	FFTA16-DUP-C	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
			2016-Sep-21	MW16-16	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
			2017-Jan-9	MW16-16	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW16-17	0.80 - 2.30	2017-Jan-10	FFTA17-DUP-A	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
			2017-Jan-10	MW16-17	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW16-18	0.80 - 2.30	2017-Jan-9	MW16-18	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW16-19	4.70 - 6.20	2016-Sep-21	MW16-19	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
			2017-Jan-9	MW16-19	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5
	MW16-20	0.80 - 2.30	2017-Jan-9	MW16-20	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.2	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<1	<1	<2	<0.5	<1	<1	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.5	<0.5	<0.5	<4	<0.5

Standards / Guidelines Descriptions:

- BC CSR DW:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Drinking Water
- BC CSR AWF:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Freshwater Aquatic Life
- BC CSR AWM:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Marine Aquatic Life

Notes:

mbg - metres below grade
µg/L - micrograms per litre
mg/L - milligrams per litre
ns, ng - no standard or guideline listed
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated
- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected at the same location and date are blind field duplicate / parent pairs

VOCs - volatile organic compounds

TABLE 20: GROUNDWATER - DISSOLVED METALS

						Metals																	
						hardness as CaCO3	hardness as CaCO3 (Filtered)	pH (lab)	aluminum	aluminum (Filtered)	antimony	antimony (Filtered)	arsenic	arsenic (Filtered)	barium	barium (Filtered)	beryllium	beryllium (Filtered)	bismuth	bismuth (Filtered)	boron	boron (Filtered)	cadmium	cadmium (Filtered)	calcium	calcium (Filtered)	chromium (III+VI)	chromium (III+VI) (Filtered)
						mg/L	mg/L	pH_Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L
Reported Detection Limit						0.5	0.5		3	3	0.5	0.5	0.1	0.1	1	1	0.1	0.1	1	1	50	50	0.01	0.01	0.05	0.05	1	1
BC CSR DW									**9500**	**9500**	**6**	**6**	**10**	**10**	**1000**	**1000**	**8**	**8**			**5000**	**5000**	**5**	**5**			**50**	**50**
BC CSR AWF											**90**	**90**	**50**	**50**	**10000**	**10000**	**1.5**	**1.5**			**12000**	**12000**	**0.5 - 4 ***	**0.5 - 4 ***			**10**	**10**
BC CSR AWM											**2500**	**2500**	**125**	**125**	**5000**	**5000**	**1000**	**1000**			**12000**	**12000**	**15**	**15**			**15**	**15**
Site Area	**Sample Location**	**Well Screen Depth (mbg)**	**Sample Date**	**Sample ID**																								
FFTA	FFTA-1	0.90 - 4.30	2016-Sep-20	FFTA-1	-	207	-	-	15.8	-	<0.5	-	0.58	-	43.5	-	<0.1	-	<1	-	<50	-	0.064	-	48.9	-	<1
			2017-Jan-10	FFTA-1	-	317	-	-	3.3	-	<0.5	-	0.54	-	41.3	-	<0.1	-	<1	-	<50	-	0.014	-	72.8	-	<1
			2018-Sep-5	FFTA-1	386	344	-	92.8	<3	<0.5	<0.5	2.3	1.05	78.2	73.1	<0.1	<0.1	<1	<1	53	57	0.077	0.039	87.1	77.9	<1	<1
			2019-Jan-10	FFTA-1	292	305	-	39.8	<3	<0.5	<0.5	1.71	0.58	41.4	37.5	<0.1	<0.1	<1	<1	<50	<50	0.021	<0.01	67.8	70.8	<1	<1
	FFTA-2	0.90 - 4.60	2016-Sep-20	FFTA-2	-	286	-	-	11	-	<0.5	-	8.28	-	110	-	<0.1	-	<1	-	53	-	0.021	-	77.4	-	<1
			2017-Jan-10	FFTA-2	-	149	-	-	3.8	-	<0.5	-	0.56	-	29.6	-	<0.1	-	<1	-	<50	-	0.017	-	40.3	-	<1
			2018-Sep-5	FFTA18-DUPE	282	265	-	92.6	5	<0.5	<0.5	6.61	5.26	70.8	68.8	<0.1	<0.1	<1	<1	<50	<50	0.012	<0.01	72.8	66.4	<1	<1
				FFTA-2	281	268	-	97.5	5.3	<0.5	<0.5	6.57	5.33	70.4	68	<0.1	<0.1	<1	<1	<50	<50	0.013	<0.01	73.1	67.7	<1	<1
			2019-Jan-9	FFTA-2	83.4	86.3	-	1250	11.1	<0.5	<0.5	1.38	1.01	23.3	18.2	<0.1	<0.1	<1	<1	<50	<50	0.047	<0.01	24.4	26.5	1.8	<1
	FFTA-3	0.90 - 4.60	2016-Sep-20	FFTA16-DUP-A	-	92.6	-	-	21.4	-	<0.5	-	2.95	-	22.3	-	<0.1	-	<1	-	<50	-	<0.01	-	22.2	-	<1
			2016-Sep-20	FFTA-3	-	92.5	-	-	22.4	-	<0.5	-	2.75	-	23	-	<0.1	-	<1	-	<50	-	0.014	-	21.9	-	<1
			2017-Jan-10	FFTA17-DUP-B	-	75.8	-	-	60.9	-	<0.5	-	2.54	-	18.1	-	<0.1	-	<1	-	<50	-	<0.01	-	20.4	-	<1
				FFTA-3	-	88.9	-	-	65.2	-	<0.5	-	2.7	-	17.1	-	<0.1	-	<1	-	<50	-	<0.01	-	23.1	-	<1
			2018-Sep-10	FFTA-3	103	88	-	482	23.1	<0.5	<0.5	7.67	6.17	25	24.2	<0.1	<0.1	<1	<1	<50	<50	0.031	<0.01	24.9	21.3	1.3	<1
			2019-Jan-9	FFTA-3	80.9	77.2	-	177	84.2	<0.5	<0.5	2.89	2.72	16.5	15.8	<0.1	<0.1	<1	<1	<50	<50	0.038	<0.01	19.4	19.2	<1	<1
	MW15-01	2.00 - 5.00	2016-Sep-21	MW15-01	-	647	-	-	7.2	-	<0.5	-	6.54	-	97.4	-	<0.1	-	<1	-	88	-	0.012	-	134	-	<1
			2017-Jan-10	MW15-01	-	651	-	-	6.8	-	<0.5	-	1.84	-	83.3	-	<0.1	-	<1	-	77	-	0.011	-	135	-	<1
	MW15-02	0.90 - 4.00	2016-Sep-20	MW15-02	-	358	-	-	8.4	-	<0.5	-	2.73	-	34.4	-	<0.1	-	<1	-	53	-	0.021	-	99.1	-	<1
			2017-Jan-10	MW15-02	-	315	-	-	4.4	-	<0.5	-	0.34	-	18.6	-	<0.1	-	<1	-	<50	-	0.07	-	88.6	-	<1
	MW15-03	1.50 - 4.60	2016-Sep-21	MW15-03	-	275	-	-	8	-	<0.5	-	0.66	-	25.1	-	<0.1	-	<1	-	<50	-	0.021	-	64.4	-	<1
			2017-Jan-10	MW15-03	-	259	-	-	<3	-	<0.5	-	0.66	-	27.1	-	<0.1	-	<1	-	<50	-	0.011	-	59.7	-	<1
	MW15-04	3.10 - 6.10	2016-Sep-21	MW15-04	-	236	-	-	7.9	-	<0.5	-	1.78	-	24.6	-	<0.1	-	<1	-	55	-	0.026	-	55.6	-	<1
			2017-Jan-10	MW15-04	-	247	-	-	3.5	-	<0.5	-	1.08	-	24.1	-	<0.1	-	<1	-	67	-	<0.01	-	57	-	<1
			2018-Feb-14	MW15-04	-	239	8.22	-	26	-	<0.5	-	1.21	-	22.4	-	<0.1	-	<1	-	70	-	<0.01	-	54.8	-	<1
	MW15-05	0.60 - 5.20	2016-Sep-21	MW15-05	-	178	-	-	37.8	-	<0.5	-	0.41	-	47.6	-	<0.1	-	<1	-	<50	-	0.234	-	49.4	-	<1
			2017-Jan-9	MW15-05	-	127	-	-	94.4	-	<0.5	-	1.04	-	26.2	-	<0.1	-	<1	-	<50	-	0.081	-	34.5	-	<1
			2018-Sep-5	FFTA18-DUPB	214	206	-	598	6.4	<0.5	<0.5	5.98	5.11	55.2	53.6	<0.1	<0.1	<1	<1	<50	<50	0.013	<0.01	56	51.6	<1	<1
			2018-Sep-5	MW15-05	220	230	-	583	5.8	<0.5	<0.5	6.01	5.04	57.5	54.6	<0.1	<0.1	<1	<1	<50	<50	0.014	<0.01	56.3	61.5	<1	<1
			43474.4875	MW15-05	80.2	80.8	-	1840	10.9	<0.5	<0.5	1.48	0.54	35	17.9	0.24	<0.1	<1	<1	<50	<50	0.055	0.015	22.8	24	<1	<1
	MW15-06	0.60 - 5.20	2016-Sep-21	MW15-06	-	328	-	-	9.4	-	<0.5	-	0.85	-	13	-	<0.1	-	<1	-	<50	-	0.033	-	81.1	-	<1
			2017-Jan-9	MW15-06	-	183	-	-	6.4	-	<0.5	-	0.37	-	17.4	-	<0.1	-	<1	-	<50	-	0.029	-	46.7	-	<1
	MW15-07	1.50 - 4.60	2016-Sep-21	MW15-07	-	383	-	-	8.3	-	<0.5	-	0.68	-	17.6	-	<0.1	-	<1	-	<50	-	0.018	-	91.4	-	<1
			2017-Jan-10	MW15-07	-	384	-	-	4	-	<0.5	-	0.36	-	19.4	-	<0.1	-	<1	-	<50	-	0.013	-	95.4	-	<1
	MW15-08	0.60 - 1.50	2017-Jan-10	MW15-08	-	152	-	-	16.9	-	<0.5	-	0.24	-	53.7	-	<0.1	-	<1	-	<50	-	0.029	-	43.5	-	<1
	MW15-09	1.50 - 6.10	2016-Sep-21	MW15-09	-	426	-	-	19.7	-	<0.5	-	2.04	-	27.2	-	<0.1	-	<1	-	<50	-	0.043	-	104	-	<1
			2017-Jan-11	MW15-09	-	338	-	-	<3	-	<0.5	-	0.34	-	36.1	-	<0.1	-	<1	-	<50	-	0.052	-	83.8	-	<1
			2018-Sep-5	MW15-09	372	329	-	8210	73.6	<0.5	<0.5	3.65	1.18	82.8	33.4	0.13	<0.1	<1	<1	<50	<50	0.099	0.027	91	82.9	**14.1**	<1
			2019-Jan-9	MW15-09	319	338	-	2920	3.3	<0.5	<0.5	1.04	0.38	57.6	37	<0.1	<0.1	<1	<1	<50	<50	0.06	<0.01	77.8	89.8	4.6	<1
	MW15-10	1.50 - 4.60	2016-Sep-21	MW15-10	-	183	-	-	7.6	-	<0.5	-	0.5	-	10.2	-	<0.1	-	<1	-	<50	-	0.018	-	46.7	-	<1
			2017-Jan-11	MW15-10	-	114	-	-	<3	-	<0.5	-	0.38	-	8.6	-	<0.1	-	<1	-	<50	-	<0.01	-	27.9	-	<1
	MW16-11	0.80 - 2.30	2017-Jan-24	MW16-11	-	210	8.1	-	6.8	-	<0.5	-	1.82	-	35.3	-	<0.1	-	<1	-	<50	-	<0.01	-	58.1	-	<1
			2019-Jan-8	MW16-11	245	250	-	2360	3.7	<0.5	<0.5	0.96	0.38	38.4	25.1	<0.1	<0.1	<1	<1	<50	<50	0.055	0.021	68.6	71	3.7	<1
	MW16-12	0.80 - 2.00	2017-Jan-9	MW16-12	-	223	-	-	4.3	-	<0.5	-	0.37	-	42.9	-	<0.1	-	<1	-	<50	-	0.035	-	65.3	-	<1
			2017-Jan-24	MW16-12	-	-	8.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2019-Jan-9	MW16-12	218	214	-	834	10.7	<0.5	<0.5	0.58	0.34	48.5	43.5	<0.1	<0.1	<1	<1	<50	<50	0.04	0.022	58.1	61	<1	<1
	MW16-13	0.80 - 2.30	2016-Sep-22	MW16-13	-	208	8.12	-	14.5	-	1.05	-	1.1	-	17.4	-	<0.1	-	<1	-	61	-	0.077	-	55.6	-	<1
			2017-Jan-9	MW16-13	-	194	-	-	5.6	-	<0.5	-	0.49	-	43.5	-	<0.1	-	<1	-	<50	-	0.027	-	59	-	<1
			2018-Sep-11	MW16-13	125	128	-	385	14.6	2.2	2.35	0.56	0.36	48.7	45.2	<0.1	<0.1	<1	<1	<50	<50	0.172	0.019	42.1	43.6	<1	<1
			2019-Jan-9	MW16-13	112	118	-	529	7.8	1	0.98	0.56	0.33	32.6	27.6	<0.1	<0.1	<1	<1	<50	<50	0.032	<0.01	37.1	39.9	1.1	<1

TABLE 20: GROUNDWATER - DISSOLVED METALS

					Metals																			
					hardness as CaCO3	hardness as CaCO3 (Filtered)	pH (lab)	aluminum	aluminum (Filtered)	antimony	antimony (Filtered)	arsenic	arsenic (Filtered)	barium	barium (Filtered)	beryllium	beryllium (Filtered)	bismuth	bismuth (Filtered)	boron	boron (Filtered)	cadmium	cadmium (Filtered)	calcium	calcium (Filtered)	chromium (III+VI)	chromium (III+VI) (Filtered)
					mg/L	mg/L	pH_Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L
Reported Detection Limit					0.5	0.5		3	3	0.5	0.5	0.1	0.1	1	1	0.1	0.1	1	1	50	50	0.01	0.01	0.05	0.05	1	1
BC CSR DW								**9500**	**9500**	**6**	**6**	**10**	**10**	**1000**	**1000**	**8**	**8**			**5000**	**5000**	**5**	**5**			**50**	**50**
BC CSR AWF										**90**	**90**	**50**	**50**	**10000**	**10000**	**1.5**	**1.5**			**12000**	**12000**	**0.5 - 4 ***	**0.5 - 4 ***			**10**	**10**
BC CSR AWM										**2500**	**2500**	**125**	**125**	**5000**	**5000**	**1000**	**1000**			**12000**	**12000**	**15**	**15**			**15**	**15**
Site Area	**Sample Location**	**Well Screen Depth (mbg)**	**Sample Date**	**Sample ID**																							
FFTA	MW16-14	0.80 - 2.30	2017-Jan-10	MW16-14	-	387	-	-	19.9	-	<0.5	-	0.52	-	68.3	-	<0.1	-	<1	-	<50	-	0.077	-	130	-	<1
			2017-Jan-24	MW16-14	-	-	7.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2018-Sep-5	FFTA18-DUPA	420	-	-	**13,800**	-	0.52	-	5.22	-	273	-	0.32	-	<1	-	<50	-	0.558	-	105	-	**26.5**	-
				MW16-14	418	-	-	8610	-	<0.5	-	3.8	-	202	-	0.2	-	<1	-	<50	-	0.302	-	106	-	**17.4**	-
			2019-Jan-8	MW16-14	307	314	-	101	13.9	<0.5	<0.5	0.29	0.31	62.1	58.5	<0.1	<0.1	<1	<1	<50	<50	0.06	0.05	88.2	92.2	<1	<1
	MW16-15	0.80 - 2.30	2016-Sep-22	MW16-15	-	298	7.95	-	12.1	-	<0.5	-	0.78	-	49.2	-	<0.1	-	<1	-	95	-	0.125	-	87.6	-	<1
			2017-Jan-9	MW16-15	-	73	-	-	15.4	-	0.62	-	0.15	-	13.4	-	<0.1	-	<1	-	<50	-	0.014	-	23.2	-	<1
			2018-Sep-4	MW16-15	332	327	-	1620	4.9	<0.5	<0.5	3.99	2.57	203	172	<0.1	<0.1	<1	<1	<50	<50	0.065	0.011	99.4	96.7	3.2	<1
			2019-Jan-8	MW16-15	178	175	-	173	8.7	<0.5	<0.5	0.43	0.39	62.5	53.7	<0.1	<0.1	<1	<1	<50	<50	0.057	0.017	53.3	53.4	1.1	2
	MW16-16	4.60 - 6.10	2016-Sep-21	FFTA16-DUP-C	-	88.3	8.27	-	19.3	-	0.64	-	1.59	-	25.9	-	<0.1	-	<1	-	108	-	0.047	-	24.5	-	<1
			2016-Sep-21	MW16-16	-	89.8	8.28	-	38.1	-	0.67	-	1.67	-	26.3	-	<0.1	-	<1	-	108	-	0.05	-	25	-	<1
			2017-Jan-9	MW16-16	-	111	-	-	9.6	-	<0.5	-	5.53	-	27.5	-	<0.1	-	<1	-	111	-	<0.01	-	27.4	-	<1
			2018-Sep-4	MW16-16	83.6	83.3	-	377	40	<0.5	<0.5	3.81	3.63	22.5	21.6	<0.1	<0.1	<1	<1	107	106	0.026	0.014	18.5	16.9	<1	<1
			2019-Jan-8	FFTA-190108-DUPC	81.5	83.8	-	112	17.4	<0.5	<0.5	3.64	3.62	24	23.9	<0.1	<0.1	<1	<1	114	107	0.02	<0.01	16.9	17.6	<1	<1
			2019-Jan-8	MW16-16	85.1	85	-	144	17.8	<0.5	<0.5	3.78	3.67	25.3	24	<0.1	<0.1	<1	<1	121	110	0.02	<0.01	17.8	17.8	<1	<1
	MW16-17	0.80 - 2.30	2017-Jan-10	FFTA17-DUP-A	-	288	-	-	3.3	-	<0.5	-	0.4	-	33	-	<0.1	-	<1	-	<50	-	0.101	-	79.3	-	<1
			2017-Jan-10	MW16-17	-	289	-	-	3.1	-	<0.5	-	0.4	-	32.4	-	<0.1	-	<1	-	<50	-	0.101	-	77.7	-	<1
			2017-Jan-24	MW16-17	-	-	8.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2019-Jan-8	MW16-17	132	139	-	187	10.8	<0.5	<0.5	4.45	1.13	45.4	37.5	<0.1	<0.1	<1	<1	<50	<50	0.08	<0.01	36.7	39.4	<1	<1
	MW16-18	0.80 - 2.30	2017-Jan-9	MW16-18	-	187	-	-	7	-	<0.5	-	0.57	-	28.9	-	<0.1	-	<1	-	<50	-	0.072	-	58.7	-	<1
			2017-Jan-24	MW16-18	-	-	8.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2018-Feb-14	MW16-18	-	237	8.14	-	18.5	-	<0.5	-	0.25	-	45.1	-	<0.1	-	<1	-	<50	-	0.063	-	70.3	-	<1
			2019-Jan-8	MW16-18	164	166	-	50.3	8.1	<0.5	<0.5	0.78	0.79	41.1	38.1	<0.1	<0.1	<1	<1	<50	<50	0.065	0.051	55	56.8	3.7	<1
	MW16-19	4.70 - 6.20	2016-Sep-21	MW16-19	-	151	8.33	-	8.8	-	<0.5	-	1.45	-	44.3	-	<0.1	-	<1	-	60	-	0.036	-	35.7	-	<1
			2017-Jan-9	MW16-19	-	142	-	-	7.1	-	<0.5	-	1.01	-	32.8	-	<0.1	-	<1	-	<50	-	<0.01	-	33.5	-	<1
			2018-Feb-14	FFTA-DUPB	-	183	8.18	-	31.3	-	<0.5	-	0.75	-	28.5	-	<0.1	-	<1	-	<50	-	<0.01	-	44.6	-	<1
			2018-Feb-14	MW16-19	-	184	8.22	-	37.6	-	<0.5	-	0.75	-	28.4	-	<0.1	-	<1	-	<50	-	<0.01	-	44.4	-	<1
			2018-Sep-4	MW16-19	145	148	-	375	19.9	<0.5	<0.5	1.22	1.04	16.8	15.8	<0.1	<0.1	<1	<1	<50	<50	0.038	<0.01	33.5	33.1	<1	<1
			43473.47361	MW16-19	176	175	-	73.2	13.5	<0.5	<0.5	0.7	0.68	21.5	19.9	<0.1	<0.1	<1	<1	<50	<50	0.012	<0.01	41.7	43	<1	<1
	MW16-20	0.80 - 2.30	2017-Jan-9	MW16-20	-	310	-	-	3.2	-	<0.5	-	0.89	-	30.8	-	<0.1	-	<1	-	<50	-	0.037	-	85.2	-	<1
			2017-Jan-24	MW16-20	-	-	7.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2019-Jan-8	MW16-20	200	142	-	403	7.5	<0.5	<0.5	0.44	0.21	34.9	30	<0.1	<0.1	<1	<1	<50	<50	0.021	0.011	52.4	39	1.2	<1
	MW18-21D	4.10 - 4.60	2019-Jan-16	MW18-21D-190116	292	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67.9	-	-	-
	MW18-24M	2.90 - 3.90	2019-Jan-17	MW18-24M-190117	-	177	-	-	5.4	-	<0.5	-	0.48	-	10.8	-	<0.1	-	<1	-	<50	-	0.013	-	41.5	-	<1
	MW18-24S	0.30 - 0.80	2019-Jan-17	MW18-24S-190117	-	122	-	-	57.6	-	<0.5	-	0.34	-	20	-	<0.1	-	<1	-	<50	-	0.021	-	40.9	-	<1
	MW18-25D	2.90 - 4.60	2019-Jan-16	MW18-25D-190116	-	212	-	-	5.2	-	<0.5	-	0.66	-	9.7	-	<0.1	-	<1	-	87	-	<0.01	-	46.4	-	<1
			2019-Jan-16	MW19-E-190116	-	221	-	-	5.4	-	<0.5	-	0.65	-	9.9	-	<0.1	-	<1	-	92	-	<0.01	-	50.3	-	<1
	MW18-25S	0.50 - 2.00	2019-Jan-15	MW18-25S-190115	-	159	-	-	21.3	-	<0.5	-	0.68	-	22.2	-	<0.1	-	<1	-	<50	-	0.013	-	51.2	-	<1
	MW18-27	4.00 - 4.60	2019-Jan-16	MW18-27-190116	317	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73	-	-	-
			2019-Jan-16	MW19-C-190116	306	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70.1	-	-	-
	MW18-31S	0.60 - 1.90	2019-Jan-10	MW18-31S-190110	-	151	-	-	31.4	-	<0.5	-	2.09	-	16.4	-	<0.1	-	<1	-	<50	-	<0.01	-	42	-	<1
	MW18-33D	8.40 - 8.90	2019-Jan-16	MW18-33D-190116	-	402	-	-	7.8	-	<0.5	-	1.34	-	30.2	-	<0.1	-	<1	-	92	-	<0.01	-	106	-	<1
			2019-Jan-16	MW19-D-190116	-	358	-	-	7	-	<0.5	-	1.38	-	30.4	-	<0.1	-	<1	-	98	-	<0.01	-	85.8	-	<1
	MW18-33S	5.50 - 5.90	2019-Jan-16	MW18-33S-190116	-	148	-	-	30.2	-	<0.5	-	4.58	-	22.7	-	<0.1	-	<1	-	89	-	<0.01	-	36.3	-	<1
	MW18-38D	2.30 - 2.80	2019-Jan-16	MW18-38D-190116	-	68.9	-	-	10.4	-	<0.5	-	0.15	-	3.8	-	<0.1	-	<1	-	<50	-	<0.01	-	13.7	-	<1
	MW18-38S	0.50 - 1.80	2019-Jan-15	MW18-38S-190115	-	164	-	-	45.5	-	<0.5	-	0.43	-	38.7	-	<0.1	-	<1	-	<50	-	0.053	-	56.3	-	<1
	MW18-41D	2.30 - 2.80	2019-Jan-16	MW18-41D-190116	-	192	-	-	<3	-	<0.5	-	0.18	-	6.4	-	<0.1	-	<1	-	<50	-	<0.01	-	38	-	<1
	MW18-41S	0.60 - 2.10	2019-Jan-16	MW18-41S-190116	-	112	-	-	8.8	-	<0.5	-	0.51	-	27.2	-	<0.1	-	<1	-	<50	-	0.015	-	30.6	-	<1
	MW18-42S	0.50 - 2.00	2019-Jan-11	MW18-42S-190111	-	35.6	-	-	61.8	-	<0.5	-	0.28	-	6.2	-	<0.1	-	<1	-	<50	-	0.015	-	9.44	-	<1
	MW18-43D	1.20 - 1.50	2019-Jan-16	MW18-43D-190116	-	154	-	-	10	-	<0.5	-	0.23	-	5.5	-	<0.1	-	<1	-	<50	-	<0.01	-	42.4	-	<1
	MW18-43S	0.40 - 0.60	2019-Jan-16	MW18-43S-190116	-	136	-	-	15.3	-	<0.5	-	0.27	-	31.9	-	<0.1	-	<1	-	<50	-	0.019	-	46.5	-	<1
	MW18-44D	2.30 - 2.80	2019-Jan-16	MW18-44D-190116	-	201	-	-	3.6	-	<0.5	-	0.57	-	49.5	-	<0.1	-	<1	-	<50	-	0.014	-	49.2	-	<1

TABLE 20: GROUNDWATER - DISSOLVED METALS

						Metals																	
						hardness as CaCO3	hardness as CaCO3 (Filtered)	pH (lab)	aluminum	aluminum (Filtered)	antimony	antimony (Filtered)	arsenic	arsenic (Filtered)	barium	barium (Filtered)	beryllium	beryllium (Filtered)	bismuth	bismuth (Filtered)	boron	boron (Filtered)	cadmium	cadmium (Filtered)	calcium	calcium (Filtered)	chromium (III+VI)	chromium (III+VI) (Filtered)
						mg/L	mg/L	pH_Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L
Reported Detection Limit						0.5	0.5		3	3	0.5	0.5	0.1	0.1	1	1	0.1	0.1	1	1	50	50	0.01	0.01	0.05	0.05	1	1
BC CSR DW									**9500**	**9500**	**6**	**6**	**10**	**10**	**1000**	**1000**	**8**	**8**			**5000**	**5000**	**5**	**5**			**50**	**50**
BC CSR AWF											**90**	**90**	**50**	**50**	**10000**	**10000**	**1.5**	**1.5**			**12000**	**12000**	**0.5 - 4 ***	**0.5 - 4 ***			**10**	**10**
BC CSR AWM											**2500**	**2500**	**125**	**125**	**5000**	**5000**	**1000**	**1000**			**12000**	**12000**	**15**	**15**			**15**	**15**
Site Area	**Sample Location**	**Well Screen Depth (mbg)**	**Sample Date**	**Sample ID**																								
FFTA	MW18-44M	1.40 - 1.90	2019-Jan-15	MW18-44M-190115	-	140	-	-	5.7	-	<0.5	-	0.67	-	32.1	-	<0.1	-	<1	-	<50	-	<0.01	-	38.7	-	<1
			2019-Jan-15	MW19-B-190115	-	138	-	-	4.7	-	<0.5	-	0.65	-	32.7	-	<0.1	-	<1	-	<50	-	<0.01	-	38	-	<1
	MW18-44S	0.60 - 1.10	2019-Jan-15	MW18-44S-190115	-	177	-	-	12.7	-	<0.5	-	0.42	-	46.4	-	<0.1	-	<1	-	<50	-	0.02	-	56	-	<1
	MW18-46D	2.70 - 3.40	2019-Jan-17	MW18-46D-190117	-	101	-	-	13.5	-	<0.5	-	0.26	-	3	-	<0.1	-	<1	-	<50	-	<0.01	-	20.6	-	<1
	MW18-47D	2.40 - 2.80	2019-Jan-16	MW18-47D-190116	-	99.2	-	-	9.8	-	<0.5	-	0.37	-	2.3	-	<0.1	-	<1	-	<50	-	<0.01	-	26.8	-	<1
	MW18-47M	1.20 - 1.50	2019-Jan-16	MW18-47M-190116	-	35.2	-	-	<3	-	<0.5	-	<0.1	-	<1	-	<0.1	-	<1	-	<50	-	<0.01	-	7.09	-	<1
	MW18-47S	0.40 - 0.80	2019-Jan-16	MW18-47S-190116	-	7.98	-	-	76.3	-	<0.5	-	1.07	-	2.4	-	<0.1	-	<1	-	<50	-	<0.01	-	2.11	-	<1
	P17-2	2.40 - 2.70	2018-Feb-14	PIEZO17-2	-	143	8.26	-	77.1	-	<0.5	-	3.6	-	31.9	-	<0.1	-	<1	-	<50	-	0.011	-	35.5	-	<1
	P17-4	0.50 - 0.90	2018-Feb-14	PIEZO17-4	-	138	7.96	-	22.3	-	<0.5	-	0.68	-	24	-	<0.1	-	<1	-	<50	-	0.011	-	42.2	-	<1
	P17-4-SWALE	0.00 - 0.00	2018-Feb-14	PIEZO17-4-SWALE	-	58.2	7.86	-	25.7	-	<0.5	-	0.2	-	1.9	-	<0.1	-	<1	-	<50	-	<0.01	-	15.8	-	<1
	P17-6D	1.50 - 2.00	2018-Sep-5	P17-6D	275	256	-	72.4	6.4	<0.5	<0.5	1.89	1.83	82.2	75.8	<0.1	<0.1	<1	<1	71	64	0.031	<0.01	73.6	65.1	<1	<1
	P17-7D	1.70 - 2.00	2018-Feb-14	FFTA-DUPA	-	256	8.26	-	21.4	-	<0.5	-	1.41	-	29.8	-	<0.1	-	<1	-	58	-	<0.01	-	67.9	-	<1
			2018-Feb-14	PIEZO17-7D	-	253	8.24	-	22.8	-	<0.5	-	1.3	-	30.7	-	<0.1	-	<1	-	58	-	<0.01	-	67.4	-	<1
	P17-7-INSTREAM	1.00 - 1.30	2018-Feb-14	PIEZO17-7-INSTREAM	-	104	8.68	-	3.8	-	<0.5	-	0.22	-	52.9	-	<0.1	-	<1	-	100	-	<0.01	-	22.4	-	<1
	P17-7S	0.60 - 1.10	2018-Feb-14	PIEZO17-7S	-	92.3	7.99	-	22	-	<0.5	-	5.1	-	18.1	-	<0.1	-	<1	-	<50	-	<0.01	-	27.4	-	<1
	P17-8D	1.50 - 2.00	2018-Sep-4	P17-8D	196	191	-	204	11.1	<0.5	<0.5	2.95	2.38	45.2	49.7	<0.1	<0.1	<1	<1	146	141	0.032	<0.01	52.4	49.8	<1	<1

Standards / Guidelines Descriptions:

- BC CSR DW:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Drinking Water
- BC CSR AWF:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Freshwater Aquatic Life
- BC CSR AWM:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Marine Aquatic Life

Standards / Guidelines Comments:

#1:Interim background groundwater concentration estimate
#2:results with hardness >500 mg/L should be evaluated on a site by site basis; refer to BC Protocol 10

Notes:

mbg - metres below grade
µg/L - micrograms per litre
mg/L - milligrams per litre
ns, ng - no standard or guideline listed
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated
- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected at the same location and date are blind field duplicate / parent pairs
- most stringent of chromium (III) and (VI) standards applied to chromium (total)
* - range of hardness-dependent standards; value is compared to standard derived from hardness of individual sample
H - hardness in mg/L of calcium carbonate ($CaCO_3$)
- metals with hardness-dependent standards:
Cd - cadmium, Cu - copper, Pb - lead, Ni - nickel, Ag - silver, Zn - zinc

*** BC CSR Hardness-Dependent Standards**

Cd - AWF	Cd - AWF
0.5 @ H < 30	0.5 @ H < 30
1.5 @ H 30<90	1.5 @ H 30<90
2.5 @ H 90<150	2.5 @ H 90<150
3.5 @ H 150<210	3.5 @ H 150<210
5 @ H ≥ 210	5 @ H ≥ 210

TABLE 20: GROUNDWATER - DISSOLVED METALS

					Metals																	
					cobalt	cobalt (Filtered)	copper	copper (Filtered)	iron	iron (Filtered)	lead	lead (Filtered)	lithium	lithium (Filtered)	magnesium	magnesium (Filtered)	manganese	manganese (Filtered)	mercury	mercury (Filtered)	molybdenum	molybdenum (Filtered)	nickel	nickel (Filtered)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Reported Detection Limit					0.2	0.2	0.5	0.2	10	5	0.2	0.2	2	2	0.05	0.05	1	1	0.002	0.002	1	1	1	1
BC CSR DW					**20**[#1]	**20**[#1]	**1500**	**1500**	**6500**	**6500**	**10**	**10**	**8**	**8**			**1500**	**1500**	**1**	**1**	**250**	**250**	**80**	**80**
BC CSR AWF					**40**	**40**	**20 - 90 ***	**20 - 90 ***			**40 - 160 ***	**40 - 160 ***							**0.25**	**0.25**	**10000**	**10000**	**250 - 1500 ***	**250 - 1500 ***
BC CSR AWM					**40**	**40**	**20**	**20**			**20**	**20**							**0.25**	**0.25**	**10000**	**10000**	**83**	**83**
Site Area	**Sample Location**	**Well Screen Depth (mbg)**	**Sample Date**	**Sample ID**																				
FFTA	FFTA-1	0.90 - 4.30	2016-Sep-20	FFTA-1	-	0.78	-	4.43	-	83	-	<0.2	-	<5	-	20.6	-	923	-	<0.01	-	1.5	-	10.9
			2017-Jan-10	FFTA-1	-	<0.5	-	2.95	-	<5	-	<0.2	-	<5	-	32.9	-	4.2	-	<0.01	-	1.2	-	9
			2018-Sep-5	FFTA-1	6.17	4.94	1.28	0.38	1810	765	<0.2	<0.2	<2	<2	40.9	36.4	**2060**	**2090**	<0.002	<0.002	2.5	2.6	12.8	12.4
			2019-Jan-10	FFTA-1	0.48	<0.2	2.2	2.01	981	<5	<0.2	<0.2	<2	<2	29.8	31.1	282	1.4	<0.002	<0.002	1.3	1.3	9.5	9.1
	FFTA-2	0.90 - 4.60	2016-Sep-20	FFTA-2	-	2.35	-	0.35	-	**8250**	-	<0.2	-	<5	-	22.6	-	**2340**	-	<0.01	-	1.9	-	4.3
			2017-Jan-10	FFTA-2	-	<0.5	-	1.3	-	166	-	<0.2	-	<5	-	11.7	-	331	-	<0.01	-	1	-	1.3
			2018-Sep-5	FFTA18-DUPE	1.35	1.17	1.22	0.26	3720	2540	0.35	<0.2	<2	<2	24.4	24	926	823	<0.002	<0.002	1.9	1.8	2.7	2.3
				FFTA-2	1.34	1.16	1.22	0.28	3680	2520	0.34	<0.2	<2	<2	23.9	24	897	829	<0.002	<0.002	1.8	1.7	2.7	2.3
			2019-Jan-9	FFTA-2	1.38	0.32	4.94	0.74	2220	514	0.73	<0.2	<2	<2	5.46	4.88	206	178	<0.002	<0.002	<1	1.1	2.4	<1
	FFTA-3	0.90 - 4.60	2016-Sep-20	FFTA16-DUP-A	-	6.12	-	0.27	-	**14,000**	-	<0.2	-	<5	-	9.03	-	1440	-	<0.01	-	<1	-	4.3
			2016-Sep-20	FFTA-3	-	6.17	-	0.53	-	**13,900**	-	<0.2	-	<5	-	9.19	-	1440	-	<0.01	-	<1	-	3.9
			2017-Jan-10	FFTA17-DUP-B	-	5.96	-	0.22	-	**16,100**	-	<0.2	-	<5	-	6.03	-	1320	-	<0.01	-	<1	-	4.4
				FFTA-3	-	6.44	-	0.26	-	**19,500**	-	<0.2	-	<5	-	7.57	-	1400	-	<0.01	-	<1	-	4.7
			2018-Sep-10	FFTA-3	7.23	7.15	2.14	0.23	**19,700**	**18,000**	0.26	<0.2	<2	<2	9.99	8.42	**1610**	1430	<0.002	<0.002	<1	<1	6.4	6
			2019-Jan-9	FFTA-3	5.25	5	3.23	0.56	**14,900**	**15,500**	0.33	<0.2	<2	<2	7.87	7.12	1060	930	0.0024	<0.002	<1	<1	4.8	4.6
	MW15-01	2.00 - 5.00	2016-Sep-21	MW15-01	-	4.54	-	0.31	-	4600	-	<0.2	-	<5	-	75.8	-	**5130**	-	<0.01	-	3.6	-	11.1
			2017-Jan-10	MW15-01	-	4.07	-	0.48	-	701	-	<0.2	-	<5	-	76.6	-	**4680**	-	<0.01	-	3	-	9.8
	MW15-02	0.90 - 4.00	2016-Sep-20	MW15-02	-	3.16	-	0.23	-	2240	-	<0.2	-	<5	-	27	-	**2880**	-	<0.01	-	1	-	3.9
			2017-Jan-10	MW15-02	-	<0.5	-	2.3	-	32.3	-	<0.2	-	<5	-	22.7	-	1460	-	<0.01	-	<1	-	1.7
	MW15-03	1.50 - 4.60	2016-Sep-21	MW15-03	-	<0.5	-	1.43	-	10	-	<0.2	-	<5	-	27.7	-	151	-	<0.01	-	2.6	-	2.8
			2017-Jan-10	MW15-03	-	<0.5	-	1.6	-	5.7	-	<0.2	-	<5	-	26.7	-	<1	-	<0.01	-	5.1	-	1.6
	MW15-04	3.10 - 6.10	2016-Sep-21	MW15-04	-	0.77	-	0.8	-	47.2	-	<0.2	-	<5	-	23.6	-	641	-	<0.01	-	19.4	-	2.7
			2017-Jan-10	MW15-04	-	<0.5	-	2.84	-	5.4	-	<0.2	-	<5	-	25.5	-	2.6	-	<0.01	-	15.4	-	1.4
			2018-Feb-14	MW15-04	-	<0.2	-	0.66	-	<5	-	<0.2	-	<2	-	24.8	-	43.6	-	-	-	11.8	-	2.4
	MW15-05	0.60 - 5.20	2016-Sep-21	MW15-05	-	1.28	-	4.13	-	37.5	-	<0.2	-	<5	-	13.1	-	943	-	<0.01	-	<1	-	5.4
			2017-Jan-9	MW15-05	-	2.62	-	1.33	-	1360	-	<0.2	-	<5	-	9.88	-	1030	-	<0.01	-	<1	-	2.9
			2018-Sep-5	FFTA18-DUPB	1.44	1.3	1.63	0.3	5440	3830	0.45	<0.2	<2	<2	18.1	18.8	**1580**	**1540**	<0.002	<0.002	1.2	1.2	1.8	1.3
			2018-Sep-5	MW15-05	1.5	1.3	1.49	0.3	5540	4510	0.43	<0.2	<2	<2	19.3	18.7	**1650**	**1550**	<0.002	<0.002	1.2	1.2	1.5	1.3
			43474.4875	MW15-05	1.39	0.38	4.07	1.69	2330	433	2.35	<0.2	<2	<2	5.67	5.1	516	203	<0.002	<0.002	<1	<1	2.3	1.1
	MW15-06	0.60 - 5.20	2016-Sep-21	MW15-06	-	0.98	-	0.75	-	162	-	<0.2	-	<5	-	30.5	-	**1650**	-	<0.01	-	<1	-	1.7
			2017-Jan-9	MW15-06	-	<0.5	-	1.01	-	35.6	-	<0.2	-	<5	-	16.2	-	227	-	<0.01	-	<1	-	1.9
	MW15-07	1.50 - 4.60	2016-Sep-21	MW15-07	-	1.01	-	0.44	-	214	-	<0.2	-	<5	-	37.7	-	**2750**	-	<0.01	-	1.1	-	3.9
			2017-Jan-10	MW15-07	-	<0.5	-	1.41	-	9.9	-	<0.2	-	<5	-	35.5	-	68.6	-	<0.01	-	<1	-	2.7
	MW15-08	0.60 - 1.50	2017-Jan-10	MW15-08	-	0.94	-	1.92	-	167	-	<0.2	-	<5	-	10.5	-	308	-	<0.01	-	<1	-	1.9
	MW15-09	1.50 - 6.10	2016-Sep-21	MW15-09	-	2.49	-	0.75	-	1110	-	<0.2	-	<5	-	40.2	-	**3530**	-	<0.01	-	<1	-	8.3
			2017-Jan-11	MW15-09	-	0.69	-	4.16	-	23.4	-	<0.2	-	<5	-	31.1	-	1020	-	<0.01	-	<1	-	5.9
			2018-Sep-5	MW15-09	6.78	1.42	**21.7**	1.22	**11,700**	690	1.73	<0.2	4.7	<2	35.1	29.7	**2400**	**2160**	0.0038	<0.002	<1	<1	17	7.3
			2019-Jan-9	MW15-09	1.97	<0.2	9.34	2.23	3440	16	0.55	<0.2	2.4	<2	30.4	27.6	1370	30.8	0.0024	<0.002	<1	<1	8.6	4.6
	MW15-10	1.50 - 4.60	2016-Sep-21	MW15-10	-	<0.5	-	0.82	-	23.3	-	<0.2	-	<5	-	16.1	-	384	-	<0.01	-	1.2	-	1.7
			2017-Jan-11	MW15-10	-	<0.5	-	1.33	-	<5	-	<0.2	-	<5	-	10.7	-	6.4	-	<0.01	-	1.1	-	<1
	MW16-11	0.80 - 2.30	2017-Jan-24	MW16-11	-	1.19	-	0.51	-	836	-	<0.2	-	<5	-	15.7	-	830	-	<0.01	-	6.4	-	2
			2019-Jan-8	MW16-11	1.89	<0.2	6.6	4.23	2670	6	0.48	<0.2	2.3	<2	17.9	17.7	53	<1	<0.002	<0.002	4	4.6	2.8	<1
	MW16-12	0.80 - 2.00	2017-Jan-9	MW16-12	-	<0.5	-	1.14	-	<5	-	<0.2	-	<5	-	14.7	-	72.6	-	<0.01	-	3.2	-	1.1
			2017-Jan-24	MW16-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2019-Jan-9	MW16-12	0.62	0.22	2.16	0.79	756	30.5	<0.2	<0.2	2.1	<2	17.8	15	131	82.6	<0.002	<0.002	<1	<1	1.4	<1
	MW16-13	0.80 - 2.30	2016-Sep-22	MW16-13	-	4.44	-	3.99	-	86.3	-	<0.2	-	<5	-	16.8	-	872	-	<0.01	-	10.2	-	2.6
			2017-Jan-9	MW16-13	-	0.51	-	1.31	-	22.6	-	<0.2	-	<5	-	11.3	-	474	-	<0.01	-	3.5	-	1.6
			2018-Sep-11	MW16-13	1.71	1.36	5.43	4.61	550	24.8	0.37	<0.2	<2	<2	4.86	4.75	10.8	1.9	0.0041	0.0067	1.9	2	<1	<1
			2019-Jan-9	MW16-13	19.9	0.55	3.58	1.99	721	8.2	0.29	<0.2	<2	<2	4.62	4.51	151	2.9	0.0032	<0.002	1.8	1.7	1.1	<1

TABLE 20: GROUNDWATER - DISSOLVED METALS

					Metals																	
					cobalt	cobalt (Filtered)	copper	copper (Filtered)	iron	iron (Filtered)	lead	lead (Filtered)	lithium	lithium (Filtered)	magnesium	magnesium (Filtered)	manganese	manganese (Filtered)	mercury	mercury (Filtered)	molybdenum	molybdenum (Filtered)	nickel	nickel (Filtered)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Reported Detection Limit					0.2	0.2	0.5	0.2	10	5	0.2	0.2	2	2	0.05	0.05	1	1	0.002	0.002	1	1	1	1
BC CSR DW					**20**[#1]	**20**[#1]	**1500**	**1500**	**6500**	**6500**	**10**	**10**	**8**	**8**			**1500**	**1500**	**1**	**1**	**250**	**250**	**80**	**80**
BC CSR AWF					**40**	**40**	**20 - 90 ***	**20 - 90 ***			**40 - 160 ***	**40 - 160 ***							**0.25**	**0.25**	**10000**	**10000**	**250 - 1500 ***	**250 - 1500 ***
BC CSR AWM					**40**	**40**	**20**	**20**			**20**	**20**							**0.25**	**0.25**	**10000**	**10000**	**83**	**83**
Site Area	**Sample Location**	**Well Screen Depth (mbg)**	**Sample Date**	**Sample ID**																				
FFTA	MW16-14	0.80 - 2.30	2017-Jan-10	MW16-14	-	<0.5	-	2.01	-	18.9	-	0.45	-	<5	-	15.3	-	348	-	<0.01	-	<1	-	2.6
			2017-Jan-24	MW16-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2018-Sep-5	FFTA18-DUPA	9.99	-	**33.6**	-	**19,600**	-	6.6	-	**15.3**	-	38.6	-	1240	-	<0.002	-	1.9	-	18	-
				MW16-14	6.29	-	**20.3**	-	**12,000**	-	3.73	-	**12**	-	37	-	978	-	<0.002	-	1.8	-	11.5	-
			2019-Jan-8	MW16-14	<0.2	<0.2	1.19	1.12	112	5.6	0.21	<0.2	<2	<2	21.2	20.2	100	54	<0.002	<0.002	<1	<1	1.1	<1
	MW16-15	0.80 - 2.30	2016-Sep-22	MW16-15	-	1.91	-	2.76	-	29.1	-	<0.2	-	**10.4**	-	19.2	-	747	-	<0.01	-	7.1	-	2.9
			2017-Jan-9	MW16-15	-	<0.5	-	1.89	-	6.6	-	<0.2	-	<5	-	3.62	-	28.6	-	<0.01	-	<1	-	<1
			2018-Sep-4	MW16-15	2.35	1.19	5.03	0.35	3660	745	0.73	<0.2	5	3.9	20.5	20.7	980	930	<0.002	<0.002	1.7	1.8	3.6	1.7
			2019-Jan-8	MW16-15	0.64	<0.2	3.31	3.15	286	32.6	<0.2	<0.2	<2	<2	11	10.2	376	79.5	<0.002	<0.002	<1	<1	2.2	1.3
	MW16-16	4.60 - 6.10	2016-Sep-21	FFTA16-DUP-C	-	<0.5	-	1.76	-	23.6	-	<0.2	-	**9.4**	-	6.56	-	60	-	<0.01	-	56.5	-	1.9
			2016-Sep-21	MW16-16	-	<0.5	-	1.99	-	39.7	-	<0.2	-	**9.2**	-	6.65	-	60.7	-	<0.01	-	55.8	-	2.1
			2017-Jan-9	MW16-16	-	0.99	-	0.46	-	48.2	-	<0.2	-	5.4	-	10.4	-	135	-	<0.01	-	52.3	-	3
			2018-Sep-4	MW16-16	0.26	<0.2	1.48	0.62	227	8.4	<0.2	<0.2	4	3.5	9.08	9.97	41	28.5	<0.002	<0.002	45.4	46.6	2.1	1.9
			2019-Jan-8	FFTA-190108-DUPC	0.3	<0.2	0.67	<0.2	192	77.6	<0.2	<0.2	3.6	3.3	9.52	9.68	156	163	<0.002	<0.002	38.1	36.9	1.5	1.2
			2019-Jan-8	MW16-16	0.33	<0.2	0.75	0.36	216	72.2	<0.2	<0.2	3.9	3.5	9.88	9.82	160	162	<0.002	<0.002	39.6	37.3	1.5	1.1
	MW16-17	0.80 - 2.30	2017-Jan-10	FFTA17-DUP-A	-	<0.5	-	0.92	-	6.7	-	<0.2	-	<5	-	21.8	-	205	-	<0.01	-	4.5	-	1.8
			2017-Jan-10	MW16-17	-	<0.5	-	0.93	-	7.7	-	<0.2	-	<5	-	23.1	-	225	-	<0.01	-	4.5	-	1.9
			2017-Jan-24	MW16-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2019-Jan-8	MW16-17	1.17	0.72	1.51	0.58	4530	937	0.47	<0.2	3.5	2.9	9.72	9.93	767	599	<0.002	<0.002	1.1	<1	1.5	<1
	MW16-18	0.80 - 2.30	2017-Jan-9	MW16-18	-	<0.5	-	1.56	-	<5	-	<0.2	-	<5	-	9.83	-	54.1	-	<0.01	-	1.5	-	1.1
			2017-Jan-24	MW16-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2018-Feb-14	MW16-18	-	<0.2	-	1.46	-	<5	-	<0.2	-	3.1	-	14.9	-	2.9	-	-	-	1.6	-	<1
			2019-Jan-8	MW16-18	0.88	0.82	0.91	0.74	77	14.2	<0.2	<0.2	<2	<2	6.45	5.92	382	375	<0.002	<0.002	1.1	<1	1.5	1.4
	MW16-19	4.70 - 6.20	2016-Sep-21	MW16-19	-	<0.5	-	0.84	-	<5	-	<0.2	-	**9.2**	-	14.9	-	55	-	<0.01	-	17.7	-	1.7
			2017-Jan-9	MW16-19	-	<0.5	-	0.63	-	<5	-	<0.2	-	<5	-	14.2	-	8.9	-	<0.01	-	1.9	-	<1
			2018-Feb-14	FFTA-DUPB	-	<0.2	-	0.73	-	<5	-	<0.2	-	3.9	-	17.4	-	<1	-	-	-	1.5	-	<1
			2018-Feb-14	MW16-19	-	<0.2	-	0.3	-	<5	-	<0.2	-	3.9	-	17.6	-	<1	-	-	-	1.5	-	<1
			2018-Sep-4	MW16-19	0.33	<0.2	1.12	0.33	126	<5	<0.2	<0.2	3.8	3.6	15	15.8	119	1.6	<0.002	<0.002	1.4	1.3	1.4	<1
			43473.47361	MW16-19	<0.2	<0.2	<0.5	0.28	45	<5	<0.2	<0.2	4.4	3.9	17.3	16.4	24.8	<1	<0.002	<0.002	<1	<1	<1	<1
	MW16-20	0.80 - 2.30	2017-Jan-9	MW16-20	-	0.51	-	0.84	-	6.3	-	<0.2	-	5.8	-	23.7	-	79.8	-	<0.01	-	2.7	-	1.4
			2017-Jan-24	MW16-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2019-Jan-8	MW16-20	3.98	0.82	2.03	0.95	623	63	<0.2	<0.2	2.4	<2	16.8	10.9	23.2	5	<0.002	<0.002	2	1	<1	<1
	MW18-21D	4.10 - 4.60	2019-Jan-16	MW18-21D-190116	-	-	-	-	-	-	-	-	-	-	29.6	-	-	-	-	-	-	-	-	-
	MW18-24M	2.90 - 3.90	2019-Jan-17	MW18-24M-190117	-	1	-	0.56	-	7.3	-	<0.2	-	<2	-	17.7	-	544	-	<0.002	-	2	-	1.9
	MW18-24S	0.30 - 0.80	2019-Jan-17	MW18-24S-190117	-	0.37	-	1.6	-	31.4	-	<0.2	-	<2	-	4.91	-	169	-	<0.002	-	<1	-	1.2
	MW18-25D	2.90 - 4.60	2019-Jan-16	MW18-25D-190116	-	1.13	-	0.7	-	<5	-	<0.2	-	<2	-	23.3	-	661	-	<0.002	-	6.2	-	2
			2019-Jan-16	MW19-E-190116	-	1.13	-	0.74	-	<5	-	<0.2	-	<2	-	23.2	-	659	-	<0.002	-	6.4	-	2
	MW18-25S	0.50 - 2.00	2019-Jan-15	MW18-25S-190115	-	0.82	-	0.83	-	17.8	-	<0.2	-	3.5	-	7.5	-	409	-	<0.002	-	1.7	-	1.6
	MW18-27	4.00 - 4.60	2019-Jan-16	MW18-27-190116	-	-	-	-	-	-	-	-	-	-	32.7	-	-	-	-	-	-	-	-	-
			2019-Jan-16	MW19-C-190116	-	-	-	-	-	-	-	-	-	-	31.8	-	-	-	-	-	-	-	-	-
	MW18-31S	0.60 - 1.90	2019-Jan-10	MW18-31S-190110	-	2.78	-	0.67	-	1680	-	<0.2	-	<2	-	11.3	-	1200	-	0.0023	-	1.8	-	3.3
	MW18-33D	8.40 - 8.90	2019-Jan-16	MW18-33D-190116	-	0.81	-	0.23	-	33.3	-	<0.2	-	3.6	-	33.7	-	**1870**	-	<0.002	-	10.7	-	7.1
			2019-Jan-16	MW19-D-190116	-	0.83	-	0.21	-	27.7	-	<0.2	-	4.3	-	34.8	-	**1930**	-	<0.002	-	10.6	-	7.2
	MW18-33S	5.50 - 5.90	2019-Jan-16	MW18-33S-190116	-	0.81	-	3.03	-	396	-	<0.2	-	4.9	-	13.8	-	668	-	<0.002	-	62	-	3.9
	MW18-38D	2.30 - 2.80	2019-Jan-16	MW18-38D-190116	-	5.71	-	0.86	-	14	-	<0.2	-	<2	-	8.4	-	1340	-	0.002	-	<1	-	1.8
	MW18-38S	0.50 - 1.80	2019-Jan-15	MW18-38S-190115	-	1.12	-	0.84	-	36.1	-	<0.2	-	<2	-	5.74	-	433	-	<0.002	-	<1	-	2.3
	MW18-41D	2.30 - 2.80	2019-Jan-16	MW18-41D-190116	-	0.98	-	0.31	-	<5	-	<0.2	-	<2	-	23.5	-	607	-	<0.002	-	1.6	-	1.1
	MW18-41S	0.60 - 2.10	2019-Jan-16	MW18-41S-190116	-	<0.2	-	0.69	-	6.2	-	<0.2	-	2.1	-	8.67	-	95.8	-	<0.002	-	1.1	-	1.3
	MW18-42S	0.50 - 2.00	2019-Jan-11	MW18-42S-190111	-	0.65	-	0.64	-	74.3	-	<0.2	-	<2	-	2.92	-	164	-	<0.002	-	<1	-	<1
	MW18-43D	1.20 - 1.50	2019-Jan-16	MW18-43D-190116	-	0.41	-	0.5	-	7.7	-	<0.2	-	<2	-	11.6	-	690	-	<0.002	-	<1	-	<1
	MW18-43S	0.40 - 0.60	2019-Jan-16	MW18-43S-190116	-	0.28	-	0.47	-	11.7	-	<0.2	-	<2	-	4.72	-	150	-	<0.002	-	<1	-	<1
	MW18-44D	2.30 - 2.80	2019-Jan-16	MW18-44D-190116	-	<0.2	-	0.52	-	<5	-	<0.2	-	6.6	-	18.9	-	176	-	<0.002	-	3.6	-	1.2

TABLE 20: GROUNDWATER - DISSOLVED METALS

					Metals																	
					cobalt	cobalt (Filtered)	copper	copper (Filtered)	iron	iron (Filtered)	lead	lead (Filtered)	lithium	lithium (Filtered)	magnesium	magnesium (Filtered)	manganese	manganese (Filtered)	mercury	mercury (Filtered)	molybdenum	molybdenum (Filtered)	nickel	nickel (Filtered)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Reported Detection Limit					0.2	0.2	0.5	0.2	10	5	0.2	0.2	2	2	0.05	0.05	1	1	0.002	0.002	1	1	1	1
BC CSR DW					**20[#1]**	**20[#1]**	**1500**	**1500**	**6500**	**6500**	**10**	**10**	**8**	**8**			**1500**	**1500**	**1**	**1**	**250**	**250**	**80**	**80**
BC CSR AWF					**40**	**40**	**20 - 90 ***	**20 - 90 ***			**40 - 160 ***	**40 - 160 ***							**0.25**	**0.25**	**10000**	**10000**	**250 - 1500 ***	**250 - 1500 ***
BC CSR AWM					**40**	**40**	**20**	**20**			**20**	**20**							**0.25**	**0.25**	**10000**	**10000**	**83**	**83**
Site Area	**Sample Location**	**Well Screen Depth (mbg)**	**Sample Date**	**Sample ID**																				
FFTA	MW18-44M	1.40 - 1.90	2019-Jan-15	MW18-44M-190115	-	<0.2	-	0.73	-	<5	-	<0.2	-	5.3	-	10.6	-	7.8	-	<0.002	-	2.5	-	<1
			2019-Jan-15	MW19-B-190115	-	<0.2	-	0.75	-	<5	-	<0.2	-	5.1	-	10.6	-	8.7	-	<0.002	-	2.7	-	<1
	MW18-44S	0.60 - 1.10	2019-Jan-15	MW18-44S-190115	-	0.27	-	1.09	-	11.3	-	<0.2	-	<2	-	8.96	-	141	-	<0.002	-	<1	-	1.3
	MW18-46D	2.70 - 3.40	2019-Jan-17	MW18-46D-190117	-	0.34	-	1.01	-	7.7	-	<0.2	-	<2	-	12.1	-	375	-	<0.002	-	1.6	-	<1
	MW18-47D	2.40 - 2.80	2019-Jan-16	MW18-47D-190116	-	0.33	-	<0.2	-	24.3	-	<0.2	-	<2	-	7.84	-	215	-	<0.002	-	3	-	1.1
	MW18-47M	1.20 - 1.50	2019-Jan-16	MW18-47M-190116	-	0.23	-	0.27	-	<5	-	<0.2	-	<2	-	4.26	-	40.2	-	<0.002	-	1.3	-	2.5
	MW18-47S	0.40 - 0.80	2019-Jan-16	MW18-47S-190116	-	0.29	-	1.23	-	10.9	-	<0.2	-	<2	-	0.657	-	11.2	-	0.0022	-	3.2	-	<1
	P17-2	2.40 - 2.70	2018-Feb-14	PIEZO17-2	-	<0.2	-	1.61	-	<5	-	<0.2	-	6.1	-	13.3	-	1.8	-	-	-	18.8	-	1.4
	P17-4	0.50 - 0.90	2018-Feb-14	PIEZO17-4	-	0.44	-	0.65	-	14.5	-	<0.2	-	<2	-	7.89	-	397	-	-	-	<1	-	<1
	P17-4-SWALE	0.00 - 0.00	2018-Feb-14	PIEZO17-4-SWALE	-	0.41	-	1.38	-	144	-	<0.2	-	<2	-	4.53	-	497	-	-	-	<1	-	<1
	P17-6D	1.50 - 2.00	2018-Sep-5	P17-6D	1.19	1.48	0.58	0.29	742	881	<0.2	<0.2	2.4	2	22	22.7	989	1040	<0.002	<0.002	1.1	1.2	2.6	2.6
	P17-7D	1.70 - 2.00	2018-Feb-14	FFTA-DUPA	-	0.8	-	1.2	-	92.7	-	<0.2	-	2.6	-	21	-	513	-	-	-	2.8	-	2.6
			2018-Feb-14	PIEZO17-7D	-	0.76	-	0.22	-	92.1	-	<0.2	-	2.6	-	20.6	-	499	-	-	-	3	-	2.6
	P17-7-INSTREAM	1.00 - 1.30	2018-Feb-14	PIEZO17-7-INSTREAM	-	<0.2	-	4.18	-	1220	-	0.3	-	<2	-	11.8	-	205	-	-	-	4	-	1.2
	P17-7S	0.60 - 1.10	2018-Feb-14	PIEZO17-7S	-	0.45	-	0.78	-	81.9	-	<0.2	-	<2	-	5.78	-	243	-	-	-	21.7	-	1.2
	P17-8D	1.50 - 2.00	2018-Sep-4	P17-8D	0.65	0.51	0.95	0.34	778	303	0.26	<0.2	4.2	3.9	15.8	16.2	618	559	<0.002	<0.002	3.3	3.7	2.6	2.1

Standards / Guidelines Descriptions:

- BC CSR DW:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Drinking Water
- BC CSR AWF:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Freshwater Aquatic Life
- BC CSR AWM:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Marine Aquatic Life

Standards / Guidelines Comments:

#1:Interim background groundwater concentration estimate
#2:results with hardness >500 mg/L should be evaluated on a site by site basis; refer to BC Protocol 10

Notes:

mbg - metres below grade
µg/L - micrograms per litre
mg/L - milligrams per litre
ns, ng - no standard or guideline listed
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated
- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected at the same location and date are blind field duplicate / parent pairs
- most stringent of chromium (III) and (VI) standards applied to chromium (total)
* - range of hardness-dependent standards; value is compared to standard derived from hardness of individual sample
H - hardness in mg/L of calcium carbonate ($CaCO_3$)
- metals with hardness-dependent standards:
  Cd - cadmium, Cu - copper, Pb - lead, Ni - nickel, Ag - silver, Zn - zinc

Cu - AWF	**Cu - AWF**	**Pb - AWF**	**Pb - AWF**	**Ni - AWF**	**Ni - AWF**
20 @ H < 50	20 @ H < 50	40 @ H < 50	40 @ H < 50	250 @ H < 60	250 @ H < 60
30 @ H 50<75	30 @ H 50<75	50 @ H 50<100	50 @ H 50<100	650 @ H 60<120	650 @ H 60<120
40 @ H 75<100	40 @ H 75<100	60 @ H 100<200	60 @ H 100<200	1,100 @ H 120<180	1,100 @ H 120<180
50 @ H 100<125	50 @ H 100<125	110 @ H 200<300	110 @ H 200<300	1,500 @ H ≥ 180	1,500 @ H ≥ 180
60 @ H 125<150	60 @ H 125<150	160 @ H ≥ 300	160 @ H ≥ 300		
70 @ H 150<175	70 @ H 150<175				
80 @ H 175<200	80 @ H 175<200				
90 @ H ≥ 200	90 @ H ≥ 200				

TABLE 20: GROUNDWATER - DISSOLVED METALS

					Metals																					
					potassium	potassium (Filtered)	selenium	selenium (Filtered)	silver	silver (Filtered)	sodium	sodium (Filtered)	strontium	strontium (Filtered)	thallium	thallium (Filtered)	tin	tin (Filtered)	titanium	titanium (Filtered)	uranium	uranium (Filtered)	vanadium	vanadium (Filtered)	zinc	zinc (Filtered)	zirconium	zirconium (Filtered)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Reported Detection Limit					50	50	0.1	0.1	0.02	0.02	50	50	1	1	0.01	0.01	5	5	5	5	0.1	0.1	5	5	5	1	0.1	0.1
BC CSR DW							**10**	**10**	**20**	**20**	**200000**	**200000**	**2500**	**2500**			**2500**	**2500**			**20**	**20**	**20**	**20**	**3000**	**3000**		
BC CSR AWF							**20**	**20**	**0.5 - 15 ***	**0.5 - 15 ***					**3**	**3**			**1000**	**1000**	**85**	**85**			**$75^{\#2}$ - $3150^{\#2}$ ***	**$75^{\#2}$ - $3150^{\#2}$ ***		
BC CSR AWM							**20**	**20**	**15**	**15**					**3**	**3**			**1000**	**1000**	**85**	**85**			**100**	**100**		
Site Area	**Sample Location**	**Well Screen Depth (mbg)**	**Sample Date**	**Sample ID**																								
FFTA	FFTA-1	0.90 - 4.30	2016-Sep-20	FFTA-1	-	4080	-	0.25	-	<0.02	-	56,900	-	140	-	<0.05	-	<5	-	<5	-	0.73	-	<5	-	15.2	-	<0.5
			2017-Jan-10	FFTA-1	-	5450	-	0.17	-	<0.02	-	67,400	-	252	-	<0.05	-	<5	-	<5	-	0.89	-	<5	-	<5	-	<0.5
			2018-Sep-5	FFTA-1	4250	3910	0.15	0.1	<0.02	<0.02	63,000	57,900	314	328	0.018	0.02	<5	<5	6	<5	0.83	0.81	<5	<5	<5	<5	0.28	0.11
			2019-Jan-10	FFTA-1	4080	4590	0.13	0.14	<0.02	<0.02	61,000	66,900	249	249	<0.01	<0.01	<5	<5	<5	<5	0.82	0.82	<5	<5	6.1	<5	0.2	<0.1
	FFTA-2	0.90 - 4.60	2016-Sep-20	FFTA-2	-	36,100	-	0.12	-	<0.02	-	44,100	-	370	-	<0.05	-	<5	-	<5	-	0.23	-	<5	-	7.3	-	<0.5
			2017-Jan-10	FFTA-2	-	37,800	-	<0.1	-	<0.02	-	27,900	-	188	-	<0.05	-	<5	-	<5	-	0.14	-	<5	-	<5	-	<0.5
			2018-Sep-5	FFTA18-DUPE	25,200	26,500	<0.1	<0.1	<0.02	<0.02	37,000	37,100	422	396	<0.01	<0.01	<5	<5	6.6	<5	0.2	0.18	<5	<5	<5	<5	0.28	0.22
				FFTA-2	24,600	26,400	<0.1	<0.1	<0.02	<0.02	36,700	37,400	423	408	0.01	<0.01	<5	<5	6.7	<5	0.2	0.18	<5	<5	<5	<5	0.28	0.22
			2019-Jan-9	FFTA-2	31,700	31,900	<0.1	<0.1	<0.02	<0.02	15,500	15,300	118	112	0.016	<0.01	<5	<5	101	<5	0.11	<0.1	5.2	<5	6.8	<5	0.47	<0.1
	FFTA-3	0.90 - 4.60	2016-Sep-20	FFTA16-DUP-A	-	557	-	0.11	-	<0.02	-	22,700	-	51.9	-	<0.05	-	<5	-	<5	-	<0.1	-	<5	-	5.3	-	<0.5
			2016-Sep-20	FFTA-3	-	593	-	<0.1	-	<0.02	-	22,800	-	54.8	-	<0.05	-	<5	-	<5	-	<0.1	-	<5	-	7.1	-	<0.5
			2017-Jan-10	FFTA17-DUP-B	-	784	-	0.1	-	<0.02	-	18,800	-	68.7	-	<0.05	-	<5	-	<5	-	<0.1	-	<5	-	10.7	-	0.68
				FFTA-3	-	872	-	0.15	-	<0.02	-	23,300	-	72	-	<0.05	-	<5	-	<5	-	<0.1	-	<5	-	11.9	-	0.58
			2018-Sep-10	FFTA-3	637	598	0.11	<0.1	<0.02	<0.02	20,300	19,600	67.9	59.5	0.014	0.017	<5	<5	33.2	<5	<0.1	<0.1	<5	<5	10.9	<5	0.61	0.38
			2019-Jan-9	FFTA-3	556	548	0.17	0.12	<0.02	<0.02	21,700	20,500	71.9	68.8	0.018	0.01	<5	<5	13.6	<5	<0.1	<0.1	<5	<5	5.7	<5	0.75	0.87
	MW15-01	2.00 - 5.00	2016-Sep-21	MW15-01	-	4640	-	0.21	-	<0.02	-	87,600	-	546	-	<0.05	-	<5	-	<5	-	6.15	-	<5	-	7.4	-	0.65
			2017-Jan-10	MW15-01	-	4500	-	0.3	-	<0.02	-	92,000	-	542	-	<0.05	-	<5	-	<5	-	5.45	-	<5	-	<5	-	<0.5
	MW15-02	0.90 - 4.00	2016-Sep-20	MW15-02	-	1730	-	0.15	-	<0.02	-	26,400	-	227	-	<0.05	-	<5	-	<5	-	0.76	-	<5	-	6.3	-	<0.5
			2017-Jan-10	MW15-02	-	2130	-	0.11	-	<0.02	-	37,600	-	245	-	<0.05	-	<5	-	<5	-	0.39	-	<5	-	9.1	-	<0.5
	MW15-03	1.50 - 4.60	2016-Sep-21	MW15-03	-	2390	-	0.18	-	<0.02	-	52,900	-	181	-	<0.05	-	<5	-	<5	-	2.54	-	<5	-	10	-	<0.5
			2017-Jan-10	MW15-03	-	2280	-	0.37	-	<0.02	-	78,200	-	180	-	<0.05	-	<5	-	<5	-	5.34	-	<5	-	<5	-	<0.5
	MW15-04	3.10 - 6.10	2016-Sep-21	MW15-04	-	3030	-	0.11	-	<0.02	-	35,500	-	190	-	<0.05	-	<5	-	<5	-	2.57	-	<5	-	9.3	-	<0.5
			2017-Jan-10	MW15-04	-	3030	-	0.12	-	<0.02	-	40,000	-	208	-	<0.05	-	<5	-	<5	-	2.67	-	<5	-	<5	-	<0.5
			2018-Feb-14	MW15-04	-	3070	-	<0.1	-	<0.02	-	39,400	-	232	-	0.023	-	<5	-	<5	-	2.6	-	<5	-	<5	-	<0.1
	MW15-05	0.60 - 5.20	2016-Sep-21	MW15-05	-	1560	-	0.19	-	<0.02	-	36,800	-	113	-	<0.05	-	<5	-	<5	-	0.68	-	<5	-	12.8	-	<0.5
			2017-Jan-9	MW15-05	-	1410	-	<0.1	-	<0.02	-	12,300	-	83.6	-	<0.05	-	<5	-	<5	-	0.27	-	<5	-	9.9	-	<0.5
			2018-Sep-5	FFTA18-DUPB	1530	1580	<0.1	<0.1	<0.02	<0.02	25,300	26,700	171	166	<0.01	<0.01	<5	<5	25.5	<5	0.81	0.74	<5	<5	<5	<5	0.29	0.24
			2018-Sep-5	MW15-05	1600	1550	<0.1	<0.1	<0.02	<0.02	26,800	26,400	172	164	0.013	<0.01	<5	<5	21.5	<5	0.83	0.74	<5	<5	<5	<5	0.31	0.22
			43474.4875	MW15-05	1110	985	<0.1	<0.1	<0.02	<0.02	19,600	19,300	107	96.8	0.027	0.012	<5	<5	38.8	<5	0.69	0.32	<5	<5	6.7	<5	0.91	<0.1
	MW15-06	0.60 - 5.20	2016-Sep-21	MW15-06	-	896	-	<0.1	-	<0.02	-	31,900	-	180	-	<0.05	-	<5	-	<5	-	0.46	-	<5	-	10.1	-	<0.5
			2017-Jan-9	MW15-06	-	824	-	<0.1	-	<0.02	-	17,400	-	84.4	-	<0.05	-	<5	-	<5	-	0.21	-	<5	-	6	-	<0.5
	MW15-07	1.50 - 4.60	2016-Sep-21	MW15-07	-	2300	-	<0.1	-	<0.02	-	45,000	-	228	-	<0.05	-	<5	-	<5	-	0.54	-	<5	-	<5	-	<0.5
			2017-Jan-10	MW15-07	-	2260	-	0.15	-	<0.02	-	64,400	-	237	-	<0.05	-	<5	-	<5	-	0.54	-	<5	-	7	-	<0.5
	MW15-08	0.60 - 1.50	2017-Jan-10	MW15-08	-	15,700	-	<0.1	-	<0.02	-	21,600	-	223	-	<0.05	-	<5	-	<5	-	<0.1	-	<5	-	<5	-	<0.5
	MW15-09	1.50 - 6.10	2016-Sep-21	MW15-09	-	1450	-	0.12	-	<0.02	-	72,700	-	303	-	<0.05	-	<5	-	<5	-	1.56	-	<5	-	8.7	-	<0.5
			2017-Jan-11	MW15-09	-	1410	-	0.14	-	<0.02	-	83,200	-	253	-	<0.05	-	<5	-	<5	-	0.95	-	<5	-	<5	-	<0.5
			2018-Sep-5	MW15-09	2120	1350	0.14	<0.1	0.032	<0.02	70,200	63,000	293	276	0.074	0.018	<5	<5	713	5.1	1.7	1.35	**31.2**	<5	19.9	<5	3.46	0.16
			2019-Jan-9	MW15-09	1710	1530	0.14	0.14	<0.02	<0.02	67,300	66,000	271	252	0.034	0.013	<5	<5	242	<5	1.35	1.3	11.4	<5	8.7	<5	1.77	<0.1
	MW15-10	1.50 - 4.60	2016-Sep-21	MW15-10	-	1070	-	0.1	-	<0.02	-	33,900	-	102	-	<0.05	-	<5	-	<5	-	0.67	-	<5	-	<5	-	<0.5
			2017-Jan-11	MW15-10	-	663	-	0.25	-	<0.02	-	40,000	-	67	-	<0.05	-	<5	-	<5	-	0.81	-	<5	-	<5	-	<0.5
	MW16-11	0.80 - 2.30	2017-Jan-24	MW16-11	-	2920	-	0.21	-	<0.02	-	49,200	-	199	-	0.01	-	<5	-	<5	-	0.79	-	<5	-	**251**	-	<0.5
			2019-Jan-8	MW16-11	3060	2720	0.23	0.22	<0.02	<0.02	39,200	36,500	195	193	0.031	0.019	<5	<5	175	<5	0.9	0.75	7.9	<5	8.7	5.1	0.82	<0.1
	MW16-12	0.80 - 2.00	2017-Jan-9	MW16-12	-	2230	-	0.5	-	<0.02	-	28,400	-	269	-	<0.05	-	<5	-	<5	-	1.27	-	<5	-	**123**	-	<0.5
			2017-Jan-24	MW16-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2019-Jan-9	MW16-12	1820	1720	<0.1	<0.1	<0.02	<0.02	20,600	18,700	152	137	0.021	0.019	<5	<5	51.7	<5	0.8	0.7	<5	<5	<5	<5	0.47	<0.1
	MW16-13	0.80 - 2.30	2016-Sep-22	MW16-13	-	6560	-	0.58	-	<0.02	-	25,200	-	177	-	<0.05	-	<5	-	<5	-	0.28	-	<5	-	7.1	-	<0.5
			2017-Jan-9	MW16-13	-	5840	-	<0.1	-	<0.02	-	12,100	-	183	-	<0.05	-	<5	-	<5	-	0.61	-	<5	-	10.3	-	<0.5
			2018-Sep-11	MW16-13	4260	4140	0.19	0.18	<0.02	<0.02	24,100	22,800	96	96.7	0.02	0.014	<5	<5	25.4	<5	0.33	0.28	<5	<5	<5	<5	0.25	<0.1
			2019-Jan-9	MW16-13	1870	1950	<0.1	<0.1	<0.02	<0.02	7980	8210	97.7	87.9	0.014	0.01	<5	<5	41.6	<5	0.22	0.22	<5	<5	7.9	<5	0.25	<0.1

TABLE 20: GROUNDWATER - DISSOLVED METALS

					Metals																				
					potassium	potassium (Filtered)	selenium	selenium (Filtered)	silver	silver (Filtered)	sodium	sodium (Filtered)	strontium	strontium (Filtered)	thallium	thallium (Filtered)	tin	tin (Filtered)	titanium	titanium (Filtered)	uranium	uranium (Filtered)	vanadium	vanadium (Filtered)	zinc	zinc (Filtered)	zirconium	zirconium (Filtered)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Reported Detection Limit					50	50	0.1	0.1	0.02	0.02	50	50	1	1	0.01	0.01	5	5	5	5	0.1	0.1	5	5	5	1	0.1	0.1
BC CSR DW							**10**	**10**	**20**	**20**	**200000**	**200000**	**2500**	**2500**			**2500**	**2500**			**20**	**20**	**20**	**20**	**3000**	**3000**		
BC CSR AWF							**20**	**20**	**0.5 - 15 ***	**0.5 - 15 ***					**3**	**3**			**1000**	**1000**	**85**	**85**			**$75^{\#2}$ - $3150^{\#2}$ ***	**$75^{\#2}$ - $3150^{\#2}$ ***		
BC CSR AWM							**20**	**20**	**15**	**15**					**3**	**3**			**1000**	**1000**	**85**	**85**			**100**	**100**		
Site Area	**Sample Location**	**Well Screen Depth (mbg)**	**Sample Date**	**Sample ID**																								
FFTA	MW16-14	0.80 - 2.30	2017-Jan-10	MW16-14	-	1440	-	0.14	-	<0.02	-	14,100	-	238	-	<0.05	-	<5	-	<5	-	0.75	-	<5	-	13	-	<0.5
			2017-Jan-24	MW16-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2018-Sep-5	FFTA18-DUPA	4000	-	0.3	-	0.213	-	36,700	-	348	-	0.207	-	<5	-	**1030**	-	3.87	-	**48.5**	-	63	-	1.95	-
				MW16-14	3500	-	0.22	-	0.106	-	37,700	-	334	-	0.144	-	<5	-	713	-	3.63	-	**31.5**	-	36.2	-	1.96	-
			2019-Jan-8	MW16-14	955	916	<0.1	<0.1	<0.02	<0.02	11,900	10,800	140	149	<0.01	0.014	<5	<5	6.3	<5	0.47	0.4	<5	<5	7.3	6	0.12	0.17
	MW16-15	0.80 - 2.30	2016-Sep-22	MW16-15	-	3050	-	1.56	-	<0.02	-	148,000	-	520	-	<0.05	-	<5	-	<5	-	3.08	-	<5	-	7.3	-	<0.5
			2017-Jan-9	MW16-15	-	1400	-	<0.1	-	<0.02	-	5760	-	56.6	-	<0.05	-	<5	-	<5	-	<0.1	-	<5	-	8.6	-	<0.5
			2018-Sep-4	MW16-15	2190	2220	<0.1	<0.1	<0.02	<0.02	20,700	22,600	314	317	0.019	<0.01	<5	<5	133	<5	1.82	1.68	6.3	<5	11.8	<5	0.54	<0.1
			2019-Jan-8	MW16-15	1810	1760	<0.1	<0.1	<0.02	<0.02	12,400	11,100	127	130	<0.01	0.011	<5	<5	12.5	<5	0.66	0.56	<5	<5	13.8	<5	0.12	0.11
	MW16-16	4.60 - 6.10	2016-Sep-21	FFTA16-DUP-C	-	3150	-	2.57	-	<0.02	-	91,200	-	229	-	<0.05	-	<5	-	<5	-	1.94	-	<5	-	<5	-	<0.5
			2016-Sep-21	MW16-16	-	3200	-	2.61	-	<0.02	-	93,200	-	227	-	<0.05	-	<5	-	<5	-	1.93	-	<5	-	<5	-	<0.5
			2017-Jan-9	MW16-16	-	3250	-	0.38	-	<0.02	-	103,000	-	229	-	<0.05	-	<5	-	<5	-	4.83	-	<5	-	<5	-	<0.5
			2018-Sep-4	MW16-16	2070	2210	<0.1	<0.1	<0.02	<0.02	115,000	116,000	159	159	<0.01	<0.01	<5	<5	10.8	<5	3.56	3.48	<5	<5	<5	<5	<0.1	<0.1
			2019-Jan-8	FFTA-190108-DUPC	2070	2210	<0.1	<0.1	<0.02	<0.02	109,000	110,000	147	160	<0.01	<0.01	<5	<5	<5	<5	2.44	2.34	<5	<5	<5	<5	<0.1	<0.1
			2019-Jan-8	MW16-16	2160	2180	<0.1	<0.1	<0.02	<0.02	112,000	110,000	153	163	<0.01	<0.01	<5	<5	7.2	<5	2.56	2.39	<5	<5	<5	5	<0.1	<0.1
	MW16-17	0.80 - 2.30	2017-Jan-10	FFTA17-DUP-A	-	2340	-	0.24	-	<0.02	-	29,000	-	277	-	<0.05	-	<5	-	<5	-	2.12	-	<5	-	11	-	<0.5
			2017-Jan-10	MW16-17	-	2320	-	0.22	-	<0.02	-	29,500	-	270	-	<0.05	-	<5	-	<5	-	2.1	-	<5	-	8	-	<0.5
			2017-Jan-24	MW16-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2019-Jan-8	MW16-17	1720	1760	<0.1	<0.1	<0.02	<0.02	22,500	21,900	119	127	<0.01	<0.01	<5	<5	7.6	<5	0.59	0.52	<5	<5	88.5	23.4	0.11	<0.1
	MW16-18	0.80 - 2.30	2017-Jan-9	MW16-18	-	1300	-	0.14	-	<0.02	-	9460	-	165	-	<0.05	-	<5	-	<5	-	1.11	-	<5	-	<5	-	<0.5
			2017-Jan-24	MW16-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2018-Feb-14	MW16-18	-	1890	-	0.15	-	<0.02	-	11,600	-	166	-	0.02	-	<5	-	<5	-	1.18	-	<5	-	<5	-	<0.1
			2019-Jan-8	MW16-18	740	732	<0.1	<0.1	<0.02	<0.02	4640	4450	80.4	81.9	<0.01	0.01	<5	<5	<5	<5	0.35	0.29	<5	<5	<5	<5	<0.1	<0.1
	MW16-19	4.70 - 6.20	2016-Sep-21	MW16-19	-	3050	-	1.66	-	<0.02	-	49,800	-	263	-	<0.05	-	<5	-	<5	-	2.32	-	<5	-	<5	-	<0.5
			2017-Jan-9	MW16-19	-	1520	-	0.46	-	<0.02	-	14,200	-	108	-	<0.05	-	<5	-	<5	-	0.3	-	<5	-	<5	-	<0.5
			2018-Feb-14	FFTA-DUPB	-	1580	-	0.63	-	<0.02	-	19,500	-	113	-	0.011	-	<5	-	<5	-	0.46	-	<5	-	<5	-	<0.1
			2018-Feb-14	MW16-19	-	1580	-	0.6	-	<0.02	-	19,800	-	112	-	0.01	-	<5	-	<5	-	0.46	-	<5	-	<5	-	<0.1
			2018-Sep-4	MW16-19	1310	1350	0.94	1.03	<0.02	<0.02	16,100	16,600	95.7	96.4	0.01	<0.01	<5	<5	7.4	<5	0.32	0.3	10.1	9.5	<5	<5	<0.1	<0.1
			43473.47361	MW16-19	1080	1060	0.58	0.56	<0.02	<0.02	16,800	15,600	99.7	102	<0.01	<0.01	<5	<5	<5	<5	0.28	0.24	6.1	5.5	<5	<5	<0.1	<0.1
	MW16-20	0.80 - 2.30	2017-Jan-9	MW16-20	-	3000	-	0.18	-	<0.02	-	38,500	-	297	-	<0.05	-	<5	-	<5	-	2.23	-	<5	-	9	-	<0.5
			2017-Jan-24	MW16-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2019-Jan-8	MW16-20	2480	2090	0.18	0.1	<0.02	<0.02	18,600	12,500	139	105	<0.01	<0.01	<5	<5	26	<5	0.98	0.62	<5	<5	35.8	31.5	0.24	<0.1
	MW18-21D	4.10 - 4.60	2019-Jan-16	MW18-21D-190116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MW18-24M	2.90 - 3.90	2019-Jan-17	MW18-24M-190117	-	1140	-	0.17	-	<0.02	-	24,400	-	112	-	<0.01	-	<5	-	<5	-	0.74	-	<5	-	<1	-	<0.1
	MW18-24S	0.30 - 0.80	2019-Jan-17	MW18-24S-190117	-	779	-	0.1	-	<0.02	-	8480	-	74.1	-	<0.01	-	<5	-	<5	-	0.38	-	<5	-	<1	-	0.29
	MW18-25D	2.90 - 4.60	2019-Jan-16	MW18-25D-190116	-	1480	-	<0.1	-	<0.02	-	43,000	-	170	-	<0.01	-	<5	-	<5	-	0.84	-	<5	-	<1	-	<0.1
			2019-Jan-16	MW19-E-190116	-	1490	-	0.11	-	<0.02	-	42,900	-	169	-	<0.01	-	<5	-	<5	-	0.84	-	<5	-	<1	-	<0.1
	MW18-25S	0.50 - 2.00	2019-Jan-15	MW18-25S-190115	-	1170	-	0.27	-	<0.02	-	49,900	-	123	-	<0.01	-	<5	-	<5	-	2.71	-	<5	-	<1	-	0.14
	MW18-27	4.00 - 4.60	2019-Jan-16	MW18-27-190116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2019-Jan-16	MW19-C-190116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MW18-31S	0.60 - 1.90	2019-Jan-10	MW18-31S-190110	-	1920	-	0.18	-	<0.02	-	54,500	-	114	-	<0.01	-	<5	-	<5	-	0.94	-	<5	-	<1	-	0.31
	MW18-33D	8.40 - 8.90	2019-Jan-16	MW18-33D-190116	-	4680	-	0.37	-	<0.02	-	180,000	-	497	-	<0.01	-	<5	-	<5	-	0.84	-	<5	-	<1	-	0.41
			2019-Jan-16	MW19-D-190116	-	4830	-	0.3	-	<0.02	-	184,000	-	511	-	<0.01	-	<5	-	<5	-	0.85	-	<5	-	1.8	-	0.41
	MW18-33S	5.50 - 5.90	2019-Jan-16	MW18-33S-190116	-	4430	-	0.37	-	<0.02	-	50,600	-	150	-	<0.01	-	<5	-	<5	-	0.77	-	<5	-	<1	-	0.34
	MW18-38D	2.30 - 2.80	2019-Jan-16	MW18-38D-190116	-	408	-	<0.1	-	<0.02	-	13,500	-	64.8	-	<0.01	-	<5	-	<5	-	<0.1	-	<5	-	2	-	<0.1
	MW18-38S	0.50 - 1.80	2019-Jan-15	MW18-38S-190115	-	535	-	0.11	-	<0.02	-	6560	-	93.2	-	0.014	-	<5	-	<5	-	0.3	-	<5	-	1.8	-	0.16
	MW18-41D	2.30 - 2.80	2019-Jan-16	MW18-41D-190116	-	604	-	<0.1	-	<0.02	-	23,900	-	121	-	<0.01	-	<5	-	<5	-	0.16	-	<5	-	<1	-	<0.1
	MW18-41S	0.60 - 2.10	2019-Jan-16	MW18-41S-190116	-	956	-	0.24	-	<0.02	-	19,000	-	97.7	-	<0.01	-	<5	-	<5	-	0.65	-	<5	-	<1	-	<0.1
	MW18-42S	0.50 - 2.00	2019-Jan-11	MW18-42S-190111	-	237	-	<0.1	-	<0.02	-	8990	-	31.3	-	<0.01	-	<5	-	<5	-	<0.1	-	<5	-	1.2	-	0.15
	MW18-43D	1.20 - 1.50	2019-Jan-16	MW18-43D-190116	-	360	-	<0.1	-	<0.02	-	11,900	-	144	-	<0.01	-	<5	-	<5	-	<0.1	-	<5	-	1.1	-	<0.1
	MW18-43S	0.40 - 0.60	2019-Jan-16	MW18-43S-190116	-	394	-	<0.1	-	<0.02	-	6640	-	104	-	<0.01	-	<5	-	<5	-	0.28	-	<5	-	<1	-	<0.1
	MW18-44D	2.30 - 2.80	2019-Jan-16	MW18-44D-190116	-	1430	-	0.61	-	<0.02	-	33,300	-	161	-	<0.01	-	<5	-	<5	-	1.78	-	<5	-	1.7	-	<0.1

TABLE 20: GROUNDWATER - DISSOLVED METALS

Site Area	Sample Location	Well Screen Depth (mbg)	Sample Date	Sample ID	Metals: potassium	potassium (Filtered)	selenium	selenium (Filtered)	silver	silver (Filtered)	sodium	sodium (Filtered)	strontium	strontium (Filtered)	thallium	thallium (Filtered)	tin	tin (Filtered)	titanium	titanium (Filtered)	uranium	uranium (Filtered)	vanadium	vanadium (Filtered)	zinc	zinc (Filtered)	zirconium	zirconium (Filtered)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Reported Detection Limit					50	50	0.1	0.1	0.02	0.02	50	50	1	1	0.01	0.01	5	5	5	5	0.1	0.1	5	5	5	1	0.1	0.1
BC CSR DW							**10**	**10**	**20**	**20**	**200000**	**200000**	**2500**	**2500**			**2500**	**2500**			**20**	**20**	**20**	**20**	**3000**	**3000**		
BC CSR AWF							**20**	**20**	**0.5 - 15 ***	**0.5 - 15 ***					**3**	**3**			**1000**	**1000**	**85**	**85**			**75[#2] - 3150[#2] ***	**75[#2] - 3150[#2] ***		
BC CSR AWM							**20**	**20**	**15**	**15**					**3**	**3**			**1000**	**1000**	**85**	**85**			**100**	**100**		
FFTA	MW18-44M	1.40 - 1.90	2019-Jan-15	MW18-44M-190115	-	1500	-	1.07	-	<0.02	-	43,500	-	138	-	0.01	-	<5	-	<5	-	2.03	-	<5	-	1.5	-	<0.1
			2019-Jan-15	MW19-B-190115	-	1500	-	1.1	-	<0.02	-	44,700	-	141	-	<0.01	-	<5	-	<5	-	2.05	-	<5	-	<1	-	<0.1
	MW18-44S	0.60 - 1.10	2019-Jan-15	MW18-44S-190115	-	1280	-	0.13	-	<0.02	-	30,200	-	112	-	0.01	-	<5	-	<5	-	0.89	-	<5	-	2.2	-	0.15
	MW18-46D	2.70 - 3.40	2019-Jan-17	MW18-46D-190117	-	471	-	<0.1	-	<0.02	-	19,300	-	57.9	-	<0.01	-	<5	-	<5	-	<0.1	-	<5	-	2.3	-	<0.1
	MW18-47D	2.40 - 2.80	2019-Jan-16	MW18-47D-190116	-	514	-	<0.1	-	<0.02	-	13,800	-	99.5	-	<0.01	-	<5	-	<5	-	0.15	-	<5	-	2	-	<0.1
	MW18-47M	1.20 - 1.50	2019-Jan-16	MW18-47M-190116	-	79	-	0.23	-	<0.02	-	10,300	-	22	-	<0.01	-	<5	-	<5	-	<0.1	-	<5	-	1	-	<0.1
	MW18-47S	0.40 - 0.80	2019-Jan-16	MW18-47S-190116	-	313	-	0.29	-	<0.02	-	45,700	-	20.7	-	<0.01	-	<5	-	<5	-	3.25	-	7	-	1.8	-	0.29
	P17-2	2.40 - 2.70	2018-Feb-14	PIEZO17-2	-	2500	-	2.49	-	<0.02	-	57,000	-	114	-	0.011	-	<5	-	<5	-	6.21	-	<5	-	<5	-	<0.1
	P17-4	0.50 - 0.90	2018-Feb-14	PIEZO17-4	-	785	-	0.12	-	<0.02	-	12,100	-	109	-	0.024	-	<5	-	<5	-	0.49	-	<5	-	<5	-	<0.1
	P17-4-SWALE	0.00 - 0.00	2018-Feb-14	PIEZO17-4-SWALE	-	1050	-	<0.1	-	<0.02	-	8980	-	49	-	<0.01	-	<5	-	<5	-	<0.1	-	<5	-	45.4	-	0.12
	P17-6D	1.50 - 2.00	2018-Sep-5	P17-6D	1370	1340	0.13	0.11	<0.02	<0.02	43,300	44,900	212	192	0.023	0.013	<5	<5	<5	<5	1.82	1.72	<5	<5	<5	<5	0.12	0.12
	P17-7D	1.70 - 2.00	2018-Feb-14	FFTA-DUPA	-	1960	-	0.32	-	<0.02	-	45,200	-	187	-	0.013	-	<5	-	<5	-	3.52	-	<5	-	8.4	-	0.12
			2018-Feb-14	PIEZO17-7D	-	1850	-	0.38	-	<0.02	-	43,900	-	192	-	<0.01	-	<5	-	<5	-	3.59	-	<5	-	6.7	-	0.12
	P17-7-INSTREAM	1.00 - 1.30	2018-Feb-14	PIEZO17-7-INSTREAM	-	1620	-	<0.1	-	<0.02	-	42,300	-	102	-	<0.01	-	<5	-	<5	-	<0.1	-	<5	-	<5	-	<0.1
	P17-7S	0.60 - 1.10	2018-Feb-14	PIEZO17-7S	-	773	-	0.23	-	<0.02	-	58,200	-	83.9	-	<0.01	-	<5	-	<5	-	13.1	-	<5	-	<5	-	0.26
	P17-8D	1.50 - 2.00	2018-Sep-4	P17-8D	2580	2610	0.17	0.1	<0.02	<0.02	86,100	84,700	210	209	<0.01	<0.01	<5	<5	<5	<5	2.64	2.7	<5	<5	<5	6.6	0.41	<0.1

Standards / Guidelines Descriptions:
- BC CSR DW:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Drinking Water
- BC CSR AWF:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Freshwater Aquatic Life
- BC CSR AWM:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Marine Aquatic Life

Standards / Guidelines Comments:
#1:Interim background groundwater concentration estimate
#2:results with hardness >500 mg/L should be evaluated on a site by site basis; refer to BC Protocol 10

Notes:
mbg - metres below grade
µg/L - micrograms per litre
mg/L - milligrams per litre
ns, ng - no standard or guideline listed
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated
- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected at the same location and date are blind field duplicate / parent pairs
- most stringent of chromium (III) and (VI) standards applied to chromium (total)

* - range of hardness-dependent standards; value is compared to standard derived from hardness of individual sample
H - hardness in mg/L of calcium carbonate ($CaCO_3$)
- metals with hardness-dependent standards:
  Cd - cadmium, Cu - copper, Pb - lead, Ni - nickel, Ag - silver, Zn - zinc

Ag - AWF	**Ag - AWF**
0.5 @ H ≤ 100	0.5 @ H ≤ 100
15 @ H > 100	15 @ H > 100

Zn - AWF	**Zn - AWF**
75 @ H < 90	75 @ H < 90
150 @ H 90<100	150 @ H 90<100
900 @ H 100<200	900 @ H 100<200
1,650 @ H 200<300	1,650 @ H 200<300
2,400 @ H 300<400	2,400 @ H 300<400

TABLE 21: GROUNDWATER - INORGANICS

					Inorganics														
					bicarbonate	carbonate	chloride ion (Filtered)	hydroxide	nitrate (as N)	nitrate (as NO3-)	nitrite (as N)	nitrate and nitrite (as N)	phosphorus	silicon	silicon (Filtered)	sulfate (Filtered)	sulphur as S	sulphur as S (Filtered)
					mg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
Reported Detection Limit					1	1	1000	1	20	0.02	5	20	10	100	100	500	3	3
BC CSR DW							**250000**		**10000**		**1000**	**10000**				**500000**		
BC CSR AWF							**1500000**		**400000**		**200 - 2000 ***	**400000**				**1280000 - 4290000 ***		
BC CSR AWM									**400000**			**400000**						
Site Area	**Sample Location**	**2**	**Sample Date**	**Sample ID**														
FFTA	FFTA-1	0.90 - 4.30	2016-Sep-20	FFTA-1	-	-	-	-	-	-	-	-	-	-	7460	-	-	15.2
			2017-Jan-10	FFTA-1	-	-	-	-	-	-	-	-	-	-	7860	-	-	12.6
			2018-Sep-5	FFTA-1	-	-	-	-	-	-	-	-	-	9350	8320	-	14.2	13
			2019-Jan-10	FFTA-1	-	-	-	-	-	-	-	-	-	7460	7940	-	11.8	12.7
	FFTA-2	0.90 - 4.60	2016-Sep-20	FFTA-2	-	-	-	-	-	-	-	-	-	-	11,300	-	-	8.7
			2017-Jan-10	FFTA-2	-	-	-	-	-	-	-	-	-	-	6150	-	-	11.2
			2018-Sep-5	FFTA18-DUPE	-	-	-	-	-	-	-	-	-	9230	8840	-	16.5	16.3
				FFTA-2	-	-	-	-	-	-	-	-	-	8530	8880	-	16.2	16.1
			2019-Jan-9	FFTA-2	-	-	-	-	-	-	-	-	-	6390	5350	-	4.9	5.1
	FFTA-3	0.90 - 4.60	2016-Sep-20	FFTA16-DUP-A	-	-	-	-	-	-	-	-	-	-	11,700	-	-	7.8
			2016-Sep-20	FFTA-3	-	-	-	-	-	-	-	-	-	-	11,400	-	-	8.8
			2017-Jan-10	FFTA17-DUP-B	-	-	-	-	-	-	-	-	-	-	8420	-	-	11
				FFTA-3	-	-	-	-	-	-	-	-	-	-	9400	-	-	12
			2018-Sep-10	FFTA-3	-	-	-	-	-	-	-	-	-	12,000	10,200	-	10.4	9.4
			2019-Jan-9	FFTA-3	-	-	-	-	-	-	-	-	-	7590	7680	-	7.2	7.7
	MW15-01	2.00 - 5.00	2016-Sep-21	MW15-01	-	-	-	-	-	-	-	-	-	-	12,500	-	-	20.8
			2017-Jan-10	MW15-01	-	-	-	-	-	-	-	-	-	-	12,200	-	-	15.8
	MW15-02	0.90 - 4.00	2016-Sep-20	MW15-02	-	-	-	-	-	-	-	-	-	-	12,100	-	-	7.2
			2017-Jan-10	MW15-02	-	-	-	-	-	-	-	-	-	-	8850	-	-	10.9
	MW15-03	1.50 - 4.60	2016-Sep-21	MW15-03	-	-	-	-	-	-	-	-	-	-	9380	-	-	34.1
			2017-Jan-10	MW15-03	-	-	-	-	-	-	-	-	-	-	9470	-	-	37.6
	MW15-04	3.10 - 6.10	2016-Sep-21	MW15-04	-	-	-	-	-	-	-	-	-	-	8700	-	-	25.4
			2017-Jan-10	MW15-04	-	-	-	-	-	-	-	-	-	-	8680	-	-	31.7
			2018-Feb-14	MW15-04	236	<1	18,000	<1	-	-	-	-	-	-	7780	112,000	-	40.1
	MW15-05	0.60 - 5.20	2016-Sep-21	MW15-05	-	-	-	-	-	-	-	-	-	-	13,600	-	-	13.6
			2017-Jan-9	MW15-05	-	-	-	-	-	-	-	-	-	-	9900	-	-	6.1
			2018-Sep-5	FFTA18-DUPB	-	-	-	-	-	-	-	-	-	10,800	10,100	-	9.4	9.5
			2018-Sep-5	MW15-05	-	-	-	-	-	-	-	-	-	10,400	9910	-	10	9.7
			2019-Jan-9	MW15-05	-	-	-	-	-	-	-	-	-	12,200	5870	-	<3	<3
	MW15-06	0.60 - 5.20	2016-Sep-21	MW15-06	-	-	-	-	-	-	-	-	-	-	7480	-	-	11.2
			2017-Jan-9	MW15-06	-	-	-	-	-	-	-	-	-	-	7250	-	-	<3
	MW15-07	1.50 - 4.60	2016-Sep-21	MW15-07	-	-	-	-	-	-	-	-	-	-	7880	-	-	25.7
			2017-Jan-10	MW15-07	-	-	-	-	-	-	-	-	-	-	8860	-	-	24.7
	MW15-08	0.60 - 1.50	2017-Jan-10	MW15-08	-	-	-	-	-	-	-	-	-	-	6410	-	-	4.8
	MW15-09	1.50 - 6.10	2016-Sep-21	MW15-09	-	-	-	-	-	-	-	-	-	-	11,800	-	-	41.6
			2017-Jan-11	MW15-09	-	-	-	-	-	-	-	-	-	-	12,800	-	-	22.9
			2018-Sep-5	MW15-09	-	-	-	-	-	-	-	-	-	26,100	10,200	-	23.7	20.8
			2019-Jan-9	MW15-09	-	-	-	-	-	-	-	-	-	17,200	11,400	-	17.9	18.2
	MW15-10	1.50 - 4.60	2016-Sep-21	MW15-10	-	-	-	-	-	-	-	-	-	-	10,800	-	-	12.2
			2017-Jan-11	MW15-10	-	-	-	-	-	-	-	-	-	-	10,600	-	-	11.8
	MW16-11	0.80 - 2.30	2017-Jan-24	MW16-11	-	-	-	-	-	0.189	47.6	-	-	-	7740	65,800	-	18.4
			2019-Jan-8	MW16-11	-	-	-	-	-	-	-	-	72	8790	5360	-	22.7	24.8
	MW16-12	0.80 - 2.00	2017-Jan-9	MW16-12	-	-	-	-	-	-	-	-	-	-	5470	-	-	15.9
			2017-Jan-24	MW16-12	-	-	-	-	-	0.088	<5	-	-	-	-	43,200	-	-
			2019-Jan-9	MW16-12	-	-	-	-	-	-	-	-	-	6870	5720	-	11.5	9.8
	MW16-13	0.80 - 2.30	2016-Sep-22	MW16-13	-	-	-	-	-	0.158	60.1	218	-	-	8610	46,000	-	14.9
			2017-Jan-9	MW16-13	-	-	-	-	-	-	-	-	-	-	6010	-	-	<3
			2018-Sep-11	MW16-13	-	-	23,000	-	-	-	<5	-	-	5330	4550	-	5.8	5.7
			2019-Jan-9	MW16-13	-	-	8800	-	<20	-	<5	<20	-	5070	4800	-	<3	<3
	MW16-14	0.80 - 2.30	2017-Jan-10	MW16-14	-	-	-	-	-	-	-	-	-	-	4640	-	-	4.4
			2017-Jan-24	MW16-14	-	-	-	-	-	<0.02	<5	-	-	-	-	15,100	-	-
			2018-Sep-5	FFTA18-DUPA	-	-	-	-	-	-	-	-	-	38,900	-	-	8.2	-
				MW16-14	-	-	-	-	-	-	-	-	-	30,100	-	-	9.8	-
			2019-Jan-8	MW16-14	-	-	-	-	-	-	-	-	<10	7610	6850	-	<3	<3
	MW16-15	0.80 - 2.30	2016-Sep-22	MW16-15	-	-	-	-	-	0.879	253	1130	-	-	9540	48,000	-	41
			2017-Jan-9	MW16-15	-	-	-	-	-	-	-	-	-	-	4260	-	-	<3
			2018-Sep-4	MW16-15	-	-	-	-	-	-	-	-	-	11,700	8930	-	3.6	3.7
			2019-Jan-8	FFTA-190108-DUPD	-	-	6800	-	81	-	<5	81	-	-	-	-	-	-
			2019-Jan-8	MW16-15	-	-	6800	-	22	-	<5	22	12	5420	5110	-	<3	<3
	MW16-16	4.60 - 6.10	2016-Sep-21	FFTA16-DUP-C	-	-	-	-	-	<0.02	7.4	<20	-	-	4540	100,000	-	31.9
			2016-Sep-21	MW16-16	-	-	-	-	-	<0.02	9.8	<20	-	-	4860	100,000	-	32.1
			2017-Jan-9	MW16-16	-	-	-	-	-	-	-	-	-	-	6690	-	-	37.1
			2018-Sep-4	MW16-16	-	-	-	-	-	-	-	-	-	6160	5920	-	22.7	23.7
			2019-Jan-8	FFTA-190108-DUPC	-	-	-	-	-	-	-	-	44	6230	6210	-	18.7	19.6
			2019-Jan-8	MW16-16	-	-	-	-	-	-	-	-	46	6440	6180	-	18.9	19.6
	MW16-17	0.80 - 2.30	2017-Jan-10	FFTA17-DUP-A	-	-	-	-	-	-	-	-	-	-	8830	-	-	27.3
			2017-Jan-10	MW16-17	-	-	-	-	-	-	-	-	-	-	8990	-	-	29.6
			2017-Jan-24	MW16-17	-	-	-	-	-	0.187	<5	-	-	-	-	55,300	-	-
			2019-Jan-8	MW16-17	-	-	-	-	-	-	-	-	39	4950	4720	-	<3	<3
	MW16-18	0.80 - 2.30	2017-Jan-9	MW16-18	-	-	-	-	-	-	-	-	-	-	6660	-	-	8.9
			2017-Jan-24	MW16-18	-	-	-	-	-	0.102	7.3	-	-	-	-	67,800	-	-
			2018-Feb-14	MW16-18	224	<1	5700	<1	-	-	-	-	-	-	6440	26,300	-	13
			2019-Jan-8	MW16-18	-	-	-	-	-	-	-	-	11	4960	5080	-	<3	<3
	MW16-19	4.70 - 6.20	2016-Sep-21	MW16-19	-	-	-	-	-	0.132	50.4	182	-	-	8140	49,000	-	16.9
			2017-Jan-9	MW16-19	-	-	-	-	-	-	-	-	-	-	11,800	-	-	3.7
			2018-Feb-14	FFTA-DUPB	223	<1	8800	<1	-	-	-	-	-	-	12,100	15,800	-	5.7
			2018-Feb-14	MW16-19	223	<1	8500	<1	-	-	-	-	-	-	12,000	15,300	-	5.8
			2018-Sep-4	MW16-19	-	-	-	-	-	-	-	-	-	11,300	11,500	-	3.6	3.6
			2019-Jan-8	MW16-19	-	-	-	-	-	-	-	-	12	12,700	12,300	-	3.4	3.3
	MW16-20	0.80 - 2.30	2017-Jan-9	MW16-20	-	-	-	-	-	-	-	-	-	-	7520	-	-	43.8
			2017-Jan-24	MW16-20	-	-	-	-	-	<0.02	<5	-	-	-	-	104,000	-	-
			2019-Jan-8	FFTA-190108-DUPA	-	-	-	-	-	-	-	-	-	-	-	30,800	-	-
			2019-Jan-8	MW16-20	-	-	-	-	-	-	-	-	22	5880	3440	32,300	16.6	9.5
	MW18-21D	4.10 - 4.60	2019-Jan-16	MW18-21D-190116	-	-	49,000	-	-	-	<5	-	-	-	-	10,000	-	-
	MW18-21S	1.70 - 2.20	2019-Jan-10	MW18-21S-190110	-	-	-	-	-	-	10.5	-	-	-	-	8300	-	-
	MW18-24M	2.90 - 3.90	2019-Jan-17	MW18-24M-190117	-	-	-	-	-	-	<5	-	-	-	8860	-	-	14.8
	MW18-24S	0.30 - 0.80	2019-Jan-17	MW18-24S-190117	-	-	-	-	-	-	<5	-	-	-	3760	-	-	<3
	MW18-25D	2.90 - 4.60	2019-Jan-16	MW18-25D-190116	-	-	-	-	-	-	-	-	-	-	6730	-	-	10
			2019-Jan-16	MW19-E-190116	-	-	-	-	-	-	-	-	-	-	6730	-	-	10
	MW18-25S	0.50 - 2.00	2019-Jan-15	MW18-25S-190115	-	-	-	-	-	-	-	-	-	-	4460	-	-	22.8
	MW18-27	4.00 - 4.60	2019-Jan-16	MW18-27-190116	-	-	-	-	-	-	-	-	-	-	-	27,400	-	-
			2019-Jan-16	MW19-C-190116	-	-	-	-	-	-	-	-	-	-	-	27,700	-	-
	MW18-31S	0.60 - 1.90	2019-Jan-10	MW18-31S-190110	-	-	-	-	-	-	<5	-	-	-	7550	-	-	5.2
	MW18-33D	8.40 - 8.90	2019-Jan-16	MW18-33D-190116	-	-	-	-	-	-	-	-	-	-	8430	-	-	51.9
			2019-Jan-16	MW19-D-190116	-	-	-	-	-	-	-	-	-	-	9410	-	-	53.8
	MW18-33S	5.50 - 5.90	2019-Jan-16	MW18-33S-190116	-	-	-	-	-	-	-	-	-	-	6990	-	-	<3
	MW18-38D	2.30 - 2.80	2019-Jan-16	MW18-38D-190116	-	-	-	-	-	-	-	-	-	-	8630	-	-	5.5
	MW18-38S	0.50 - 1.80	2019-Jan-15	MW18-38S-190115	-	-	-	-	-	-	-	-	-	-	4550	-	-	<3
	MW18-41D	2.30 - 2.80	2019-Jan-16	MW18-41D-190116	-	-	-	-	-	-	-	-	-	-	9830	-	-	<3
	MW18-41S	0.60 - 2.10	2019-Jan-16	MW18-41S-190116	-	-	-	-	-	-	-	-	-	-	5540	-	-	3.7
	MW18-42S	0.50 - 2.00	2019-Jan-11	MW18-42S-190111	-	-	-	-	-	-	-	-	-	-	2320	-	-	<3
	MW18-43D	1.20 - 1.50	2019-Jan-16	MW18-43D-190116	-	-	-	-	-	-	-	-	-	-	2870	-	-	<3
	MW18-43S	0.40 - 0.60	2019-Jan-16	MW18-43S-190116	-	-	-	-	-	-	-	-	-	-	2930	-	-	<3
	MW18-44D	2.30 - 2.80	2019-Jan-16	MW18-44D-190116	-	-	-	-	-	-	-	-	-	-	11,500	-	-	4.1

TABLE 21: GROUNDWATER - INORGANICS

										Inorganics									
						bicarbonate	carbonate	chloride ion (Filtered)	hydroxide	nitrate (as N)	nitrate (as NO3-)	nitrite (as N)	nitrate and nitrite (as N)	phosphorus	silicon	silicon (Filtered)	sulfate (Filtered)	sulphur as S	sulphur as S (Filtered)
						mg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
Reported Detection Limit						1	1	1000	1	20	0.02	5	20	10	100	100	500	3	3
BC CSR DW								**250000**		**10000**		**1000**	**10000**				**500000**		
BC CSR AWF								**1500000**		**400000**		**200 - 2000 ***	**400000**				**1280000 - 4290000 ***		
BC CSR AWM										**400000**			**400000**						
Site Area	**Sample Location**	**2**	**Sample Date**	**Sample ID**															
FFTA	MW18-44M	1.40 - 1.90	2019-Jan-15	MW18-44M-190115	-	-	-	-	-	-	-	-	-	-	10,800	-	-	4.8
			2019-Jan-15	MW19-B-190115	-	-	-	-	-	-	-	-	-	-	10,700	-	-	5.2
	MW18-44S	0.60 - 1.10	2019-Jan-15	MW18-44S-190115	-	-	-	-	-	-	-	-	-	-	7170	-	-	<3
	MW18-46D	2.70 - 3.40	2019-Jan-17	MW18-46D-190117	-	-	-	-	-	-	-	-	-	-	6870	-	-	<3
	MW18-47D	2.40 - 2.80	2019-Jan-16	MW18-47D-190116	-	-	-	-	-	-	-	-	-	-	12,900	7900	-	<3
	MW18-47M	1.20 - 1.50	2019-Jan-16	MW18-47M-190116	-	-	-	-	-	-	-	-	-	-	12,200	9700	-	<3
	MW18-47S	0.40 - 0.80	2019-Jan-16	MW18-47S-190116	-	-	-	-	-	-	-	-	-	-	4280	24,600	-	11.6
	P17-2	2.40 - 2.70	2018-Feb-14	PIEZO17-2	259	<1	15,000	<1	-	-	-	-	-	-	9910	38,400	-	14.4
	P17-4	0.50 - 0.90	2018-Feb-14	PIEZO17-4	179	<1	8900	<1	-	-	-	-	-	-	2430	4300	-	<3
	P17-4-SWALE	0.00 - 0.00	2018-Feb-14	PIEZO17-4-SWALE	78.7	<1	9000	<1	-	-	-	-	-	-	4400	1400	-	<3
	P17-6D	1.50 - 2.00	2018-Sep-5	P17-6D	-	-	-	-	-	-	-	-	-	9370	9310	-	8.2	8
	P17-7D	1.70 - 2.00	2018-Feb-14	FFTA-DUPA	322	<1	12,000	<1	-	-	-	-	-	-	8360	75,400	-	27.5
			2018-Feb-14	PIEZO17-7D	322	<1	11,000	<1	-	-	-	-	-	-	8290	76,700	-	26.6
	P17-7-INSTREAM	1.00 - 1.30	2018-Feb-14	PIEZO17-7-INSTREAM	140	4.7	20,000	<1	-	-	-	-	-	-	2030	2400	-	<3
	P17-7S	0.60 - 1.10	2018-Feb-14	PIEZO17-7S	200	<1	7600	<1	-	-	-	-	-	-	7070	12,600	-	5.5
	P17-8D	1.50 - 2.00	2018-Sep-4	P17-8D	-	-	-	-	-	-	-	-	-	8330	8690	-	20.1	20.1

Standards / Guidelines Descriptions:

- BC CSR DW:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Drinking Water
- BC CSR AWF:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Freshwater Aquatic Life
- BC CSR AWM:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Marine Aquatic Life

Notes:

mbg - metres below grade
µg/L - micrograms per litre
mg/L - milligrams per litre
ns, ng - no standard or guideline listed
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated
- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected at the same location and date are blind field duplicate / parent pairs

H - hardness in mg/L of calcium carbonate ($CaCO_3$)

- ammonia (NH_3) guideline dependent on pH and temperature
- nitrate and nitrite measured in mg/L of N
- fluoride (Fl) and sulphate(SO_4) guidelines dependent on hardness (as $CaCO_3$)
- nitrate standards dependent on chloride concentration
- nitrite (NO_2) guidelines dependent on chloride (Cl)
- ammonia standards dependent on pH
- verify exceedances of pH-/temperature-/hardness-dependent guidelines against root formulas or matrices
- pH- and temperature-dependent guidelines compared to field measured pH values

NO_2 - AWM	**SO_4 - AWF**
200 @ Cl < 2	1,280 mg/L @ H ≤ 30
400 @ Cl 2<4	2,180 mg/L @ H 31–75
600 @ Cl 4<6	3,090 mg/L @ H 76–180
800 @ Cl 6<8	4,290 mg/L @ H > 180
1,000 @ Cl 8<10	
2,000 @ Cl ≥ 10	

TABLE 22: GROUNDWATER - PER- AND POLYFLUOROALKYL SUBSTANCES

						PFAS																													
						MeFOSE	perfluorobutanoic acid [PFBA]	perfluorobutane sulfonic acid [PFBS]	perfluoropentanoic acid [PFPeA]	perfluorohexanoic acid [PFHxA]	perfluorohexane sulfonic acid [PFHxS]	perfluoroheptanoic acid [PFHpA]	perfluoroheptane sulfonic acid [PFHpS]	perfluorooctanoic acid [PFOA]	perfluorooctane sulfonic acid [PFOS]	perfluorononanoic acid [PFNA]	perfluorodecanoic acid [PFDA]	perfluorodecane sulfonic acid [PFDS]	perfluoroundecanoic acid [PFUnDA]	perfluorododecanoic acid [PFDoA]	perfluorotridecanoic acid [PFTrDA]	perfluorotetradecanoic acid [PFTeDA]	6:2 Fluorotelomer sulfonic acid [6:2 FTS]	8:2 fluorotelomer sulfonic acid [8:2 FTS]	n-ethyl perfluorooctanesulfonamide [N-Et-FOSA]	n-ethyl perfluorooctanesulfonamide ethanol [N-Et-FOSE]	Methyl-perfluorooctane sulfonamide [N-Me-FOSA]	n-methyl perfluorooctane sulfonamidoacetic acid [N-MeFOSAA]	n-Ethyl perfluorooctane sulfonamidoacetic acid [N-EtFOSAA]	2-n-methyl perfluorooctanesulfonamide ethanol [N-Me-FOSE]	perfluorooctane sulfonamide [PFOSA]	Additive PFOA + PFOS
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	N/A
Reported Detection Limit						0.02	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.02	0.02	0.02	0.02	0.02	0.02	0.004	
Health Canada DW SV for other PFAS							**30**	**15**	**0.2**	**0.2**	**0.6**	**0.2**		**0.2**		**0.02**							**0.2**	**0.2**									
Health Canada GCDWQ for PFOS and PFOA														**0.2**	**0.6**																		**1**[#1]
ECCC FEQG for PFOS															**6.8**																			
FGQG (Eco) for PFOS (coarse)															**6.8**																			
FGQG (Eco) for PFOS (fine)															**6.8**																			
BC CSR DW								**80**						**0.2**	**0.3**																			
BC CSR AWF															**60**																			
BC CSR AWM															**60**																			
Site Area	**Sample Location**	**Well Screen Depth (mbg)**	**Sample Date**	**Sample ID**																															
FFTA	FFTA-1	0.90 - 4.30	2015-Jan-25	FFTA 1	-	9	11	**36**	**53**	**110**	**11**	-	**33**	**150**	**1.1**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-	-	-	-	-	-	-	-	<0.8	**258**
			2016-Feb-15	FFTA 1	-	17.8	**24.1**	**59.6**	**93.9**	**135**	**18**	-	**27**	**219**	**0.739**	<0.0938	-	<0.0938	<0.0938	-	-	-	-	-	-	-	-	-	-	1.33	**500**
				MW-DUP-1 (FFTA 1)	-	17.8	**23.8**	**66.6**	**94.8**	**131**	**17.4**	-	**32.4**	**331**	**1.09**	0.143	-	<0.117	<0.117	-	-	-	-	-	-	-	-	-	-	2.2	**714**
			2016-Sep-20	FFTA 1	-	13.7	**15.4**	**72.5**	**86.9**	**171**	**13.2**	-	**34.8**	**703**	**2.67**	0.503	-	-	-	-	-	-	-	-	-	-	-	-	-	6.95	**1346**
			2017-Jan-10	FFTA 1	-	9.97	14.3	**60**	**93.2**	**89.5**	**16.9**	-	**30.1**	**308**	**0.987**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.49	**664**
			2017-Oct-19	FFTA 1	-	20.7	**16.3**	**102**	**117**	**152**	**19.8**	-	**36.8**	**565**	**2.15**	0.412	-	<0.07	<0.084	-	-	-	-	-	-	-	-	-	-	7.24	**1126**
			2018-Jan-10	FFTA 1	-	17.7	**21.3**	**73.3**	**95.1**	**136**	**17.9**	-	**30.2**	**320**	**1.33**	0.184	-	<0.06	<0.084	-	-	-	-	-	-	-	-	-	-	4.69	**684**
				FFTA- MW-DUP-A (FFTA 1)	-	27.7	**33.6**	**116**	**154**	**217**	**28.5**	-	**47.1**	**482**	**1.9**	0.32	-	0.0645	<0.0812	-	-	-	-	-	-	-	-	-	-	6.33	**1039**
			2018-Sep-5	FFTA18-DUPD	-	15	**22**	**57**	**93**	**130**	**14**	8.6	**26**	**270**	**1**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	**370**	**7.7**	-	-	-	-	-	-	3.7	**130**
				FFTA-1	-	15	**22**	**63**	**100**	**160**	**14**	8.9	**27**	**290**	**0.97**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	**390**	**6.9**	-	-	-	-	-	-	3.7	**135**
			2019-Jan-10	FFTA-1	-	14	**19**	**58**	**90**	**150**	**16**	10	**30**	**300**	**1.4**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	**360**	**11**	-	-	-	-	-	-	3.6	**649.998**
	FFTA-2	0.90 - 4.60	2015-Jan-25	FFTA 2	-	6.9	13	**24**	**35**	**67**	**5.2**	-	**11**	**51**	**0.8**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-	-	-	-	-	-	-	-	<0.8	**415**
			2016-Feb-16	FFTA 2	-	3.09	7.6	**14.8**	**22.8**	**48.7**	**4.09**	-	**6.88**	**68.2**	**0.52**	0.19	-	<0.0873	<0.0873	-	-	-	-	-	-	-	-	-	-	0.178	**148**
			2016-Sep-20	FFTA 2	-	9.22	**17.1**	**41.3**	**50.4**	**97**	**8.33**	-	**12.7**	**83.7**	**0.523**	0.113	-	0.0771	0.0771	-	-	-	-	-	-	-	-	-	-	0.142	**203**
			2017-Jan-10	FFTA 2	-	10.9	**18.2**	**37.8**	**54.9**	**97.7**	**7.53**	-	**11.9**	**45.3**	**0.702**	0.366	-	<0.223	<0.133	-	-	-	-	-	-	-	-	-	-	<0.292	**135**
	FFTA-3	0.90 - 4.60	2015-Jan-25	FFTA 3	-	1.6	1.1	**7.4**	**7.4**	**9.6**	**2**	-	**2.6**	**14**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-	-	-	-	-	-	-	-	<0.8	**140**
			2016-Feb-15	FFTA 3	-	2.03	1.69	**10.5**	**10.7**	**10.9**	**2.95**	-	**2.82**	**14.5**	**0.173**	<0.0279	-	<0.0279	<0.0279	-	-	-	-	-	-	-	-	-	-	<0.0279	**38.3**
				MW-DUP-2 (FFTA 3)	-	2.09	1.3	**10**	**10.7**	**9.67**	**2.76**	-	**2.83**	**17.9**	**0.202**	<0.0256	-	<0.0256	<0.0256	-	-	-	-	-	-	-	-	-	-	<0.0256	**44**
			2016-Sep-20	FFTA 3	-	1.83	1.52	**8.7**	**9.63**	**12.3**	**3.28**	-	**3.69**	**23**	**0.256**	0.0402	-	0.0402	0.0402	-	-	-	-	-	-	-	-	-	-	0.0402	**57**
				FFTA16-DUP-A (FFTA 3)	-	1.85	1.28	**9.01**	**10.2**	**10.5**	**3.37**	-	**3.62**	**21.8**	**0.256**	0.0379	-	0.0379	0.0379	-	-	-	-	-	-	-	-	-	-	0.0379	**54.4**
			2017-Jan-10	FFTA 3	-	1.13	1.01	**7.93**	**9.72**	**8.39**	**2.89**	-	**2.54**	**10.2**	**0.231**	<0.0404	-	<0.0689	<0.0404	-	-	-	-	-	-	-	-	-	-	<0.0404	**29.7**
				FFTA17-DUP-B (FFTA 3)	-	1.69	0.959	**7.78**	**9.59**	**9.53**	**3.37**	-	**3.15**	**10.1**	**0.209**	<0.0252	-	<0.0252	<0.0252	-	-	-	-	-	-	-	-	-	-	<0.0252	**32.6**
			2018-Sep-10	FFTA-3	-	1.7	1.3	**7.8**	**9.5**	**14**	**3.2**	<0.8	**3.4**	**19**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	**3.1**	<0.8	-	-	-	-	-	-	<0.8	**17**
			2019-Jan-15	VC3339-FFTA-3-190115	-	1.5	0.82	**6.1**	**6.6**	**11**	**1.9**	0.5	**3.3**	**11**	**0.25**	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	**2.1**	0.091	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	**34.83326**
	MW15-01	2.00 - 5.00	2015-Jan-25	MW15-01	-	1.1	1.5	**3.2**	**4.5**	**5.3**	<0.8	-	**0.93**	**2**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-	-	-	-	-	-	-	-	<0.8	**8**
			2016-Feb-16	MW15-01	-	1.23	2.49	**3.14**	**7.66**	**12.7**	**1.58**	-	**3.29**	**4.02**	**0.0307**	<0.0283	-	<0.0283	<0.0283	-	-	-	-	-	-	-	-	-	-	<0.0283	**23.15**
			2016-Sep-21	MW15-01	-	1.04	2.48	**3.08**	**6.54**	**10.1**	**1.25**	-	**2.95**	**4.79**	**0.0297**	0.0243	-	0.0243	0.0243	-	-	-	-	-	-	-	-	-	-	0.0243	**22.73**
			2017-Jan-10	MW15-01	-	0.974	2.43	**3.09**	**7.38**	**10**	**1.13**	-	**2.76**	**5.73**	<0.0399	<0.0399	-	<0.0399	<0.0399	-	-	-	-	-	-	-	-	-	-	<0.0399	**23.35**
			2017-Oct-19	FFTA-MW-DUPA (MW15-01)	-	1.16	2.95	**3.19**	**6.57**	**10.9**	**1.25**	-	**2.66**	**5.6**	**0.0402**	0.00117	-	<0.000497	<0.000696	-	-	-	-	-	-	-	-	-	-	0.013	**22.6**
				MW15-01	-	1.65	2.79	**3.58**	**7.26**	**13.5**	**1.41**	-	**3.21**	**5.12**	**0.0457**	0.000957	-	<0.000602	<0.000723	-	-	-	-	-	-	-	-	-	-	0.011	**24.58**
			2018-Jan-10	MW15-01	-	1.52	2.9	**3.66**	**7.55**	**13.5**	**1.45**	-	**3.13**	**6.84**	**0.0427**	0.00202	-	<0.00151	<0.00211	-	-	-	-	-	-	-	-	-	-	0.0227	**27.05**
			2018-Sep-5	MW15-01	-	0.99	2.4	**3.1**	**6.9**	**12**	**1.2**	0.43	**2.8**	**4.6**	**0.039**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**1.4**	<0.04	-	-	-	-	-	-	<0.04	**14**
			2019-Jan-9	MW15-01	-	<0.8	<8	<8	**8.7**	**14**	<8	<0.8	<8	<8	<8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<8	<8	-	-	-	-	-	-	<0.8	<40
	MW15-02	0.90 - 4.00	2015-Jan-23	MW15-02	-	0.92	3.1	**3.6**	**5.3**	**10**	**1.1**	-	**1.8**	**27**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-	-	-	-	-	-	-	-	<0.8	**54**
				MW15-100 (Dup of MW15-02)	-	1.1	3	**3.4**	**5**	**9.7**	**1**	-	**1.9**	**26**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-	-	-	-	-	-	-	-	<0.8	**53**
			2016-Feb-16	MW15-02	-	1.24	1.32	**4.13**	**4.86**	**8.33**	**2.05**	-	**3.1**	**34.9**	**0.122**	<0.0455	-	<0.0455	<0.0455	-	-	-	-	-	-	-	-	-	-	0.255	**73.7**
			2016-Sep-20	MW15-02	-	1.12	1.91	**4.08**	**3.97**	**8.6**	**1.36**	-	**1.86**	**52.6**	**0.135**	0.0772	-	0.0772	0.0772	-	-	-	-	-	-	-	-	-	-	0.505	**97**
			2017-Jan-10	MW15-02	-	0.722	0.813	**3.03**	**3.63**	**6.69**	**1.43**	-	**2.18**	**42.5**	<0.0873	<0.0873	-	<0.0873	<0.0873	-	-	-	-	-	-	-	-	-	-	0.256	**81.7**
	MW15-03	1.50 - 4.60	2015-Jan-23	MW15-03	-	7.3	13	**28**	**27**	**67**	**11**	-	**18**	**120**	**2.2**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-	-	-	-	-	-	-	-	<0.8	**290**
			2016-Feb-16	MW15-03	-	6.81	11.1	**27.8**	**31.8**	**64.5**	**12.5**	-	**18.7**	**142**	**1.74**	<0.0851	-	<0.0851	<0.0851	-	-	-	-	-	-	-	-	-	-	<0.0851	**330**
			2016-Sep-21	MW15-03	-	5.51	9.9	**24.5**	**25**	**52.2**	**8.73**	-	**13.1**	**118**	**1.55**	0.076	-	0.076	0.076	-	-	-	-	-	-	-	-	-	-	0.076	**262**
			2017-Jan-10	MW15-03	-	4	9.43	**23.1**	**25.3**	**54.4**	**8.83**	-	**17.9**	**158**	**1.86**	<0.085	-	<0.085	<0.085	-	-	-	-	-	-	-	-	-	-	<0.085	**353**
			2017-Oct-19	MW15-03	-	5.02	8.91	**23**	**25**	**51.8**	**8.74**	-	**11.6**	**85.4**	**1.42**	<0.0133	-	<0.01	<0.014	-	-	-	-	-	-	-	-	-	-	<0.0667	**200**
			2018-Jan-10	MW15-03	-	6.45	12.1	**29.1**	**29**	**72.2**	**11.5**	-	**16.7**	**179**	**2.27**	<0.08	-	<0.06	<0.084	-	-	-	-	-	-	-	-	-	-	<0.4	**382**
			2019-Jan-18	VC8064-MW15-03-190118	-	6.8	12	**32**	**35**	**76**	**11**	4.8	**20**	**200**	**2.5**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	**120**	**3.2**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	**433.332**

TABLE 22: GROUNDWATER - PER- AND POLYFLUOROALKYL SUBSTANCES

					PFAS																												
					MeFOSE	perfluorobutanoic acid [PFBA]	perfluorobutane sulfonic acid [PFBS]	perfluoropentanoic acid [PFPeA]	perfluorohexanoic acid [PFHxA]	perfluorohexane sulfonic acid [PFHxS]	perfluoroheptanoic acid [PFHpA]	perfluoroheptane sulfonic acid [PFHpS]	perfluorooctanoic acid [PFOA]	perfluorooctane sulfonic acid [PFOS]	perfluorononanoic acid [PFNA]	perfluorodecanoic acid [PFDA]	perfluorodecane sulfonic acid [PFDS]	perfluoroundecanoic acid [PFUnDA]	perfluorododecanoic acid [PFDoA]	perfluorotridecanoic acid [PFTrDA]	perfluorotetradecanoic acid [PFTeDA]	6:2 Fluorotelomer sulfonic acid [6:2 FTS]	8:2 fluorotelomer sulfonic acid [8:2 FTS]	n-ethyl perfluorooctanesulfonamide [N-Et-FOSA]	n-ethyl perfluorooctanesulfonamide ethanol [N-Et-FOSE]	Methyl-perfluorooctane sulfonamide [N-Me-FOSA]	n-methyl perfluorooctane sulfonamidoacetic acid [N-MeFOSAA]	n-Ethyl perfluorooctane sulfonamidoacetic acid [N-EtFOSAA]	2-n-methyl perfluorooctanesulfonamide ethanol [N-Me-FOSE]	perfluorooctane sulfonamide [PFOSA]	Additive PFOA + PFOS
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	N/A
Reported Detection Limit					0.02	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.004	
Health Canada DW SV for other PFAS						**30**	**15**	**0.2**	**0.2**	**0.6**	**0.2**		**0.2**		**0.02**								**0.2**	**0.2**									
Health Canada GCDWQ for PFOS and PFOA													**0.2**	**0.6**																		**1**[#1]
ECCC FEQG for PFOS														**6.8**																		
FGQG (Eco) for PFOS (coarse)														**6.8**																		
FGQG (Eco) for PFOS (fine)														**6.8**																		
BC CSR DW							**80**						**0.2**	**0.3**																		
BC CSR AWF														**60**																		
BC CSR AWM														**60**																		
Site Area	**Sample Location**	**Well Screen Depth (mbg)**	**Sample Date**	**Sample ID**																													
FFTA	MW15-04	3.10 - 6.10	2015-Jan-24	MW15-04	-	1	3.4	**5.5**	**7.4**	**23**	**3.2**	-	**2.9**	**0.78**	**0.051**	<0.02	<0.02	<0.02	<0.02	<0.06	<0.02	-	-	-	-	-	-	-	-	<0.02	**15.8**
			2016-Feb-15	MW15-04	-	0.419	1.98	**2.36**	**3.43**	**9.61**	**1.35**	-	**1.02**	0.158	<0.00897	<0.00897	-	<0.00897	<0.00897	-	-	-	-	-	-	-	-	-	-	<0.00897	**5.36**
			2016-Sep-21	MW15-04	-	0.462	1.67	**3.13**	**3.63**	**10.5**	**1.61**	-	**1.25**	0.234	**0.0242**	0.0242	-	0.0242	0.0242	-	-	-	-	-	-	-	-	-	-	0.0242	**6.64**
			2017-Jan-10	MW15-04	-	0.387	1.24	**2.23**	**2.81**	**7.16**	**1.17**	-	**1.26**	**0.471**	<0.0401	<0.0401	-	<0.0401	<0.0401	-	-	-	-	-	-	-	-	-	-	<0.0401	**7.09**
			2017-Oct-17	MW15-04	-	0.312	1.02	**1.77**	**2.26**	**6.12**	**0.935**	-	**0.686**	0.186	0.0132	<0.000667	-	<0.0005	<0.0007	-	-	-	-	-	-	-	-	-	-	<0.00333	**3.74**
			2018-Jan-9	MW15-04	-	0.329	1.08	**1.99**	**2.36**	**6.7**	**1.04**	-	**0.812**	0.291	0.0167	<0.00133	-	<0.001	<0.0014	-	-	-	-	-	-	-	-	-	-	<0.00667	**4.545**
			2018-Sep-5	MW15-04	-	0.25	0.84	**1.5**	**2**	**6.4**	**0.74**	0.12	**0.71**	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.04	<0.04	-	-	-	-	-	<0.04	**3.55**
			2019-Jan-9	MW15-04	-	<0.8	<8	<8	**2.1**	<8	**0.95**	<0.8	**0.83**	<8	<8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<8	<8	-	-	-	-	-	-	<0.8	**4.15**
	MW15-05	0.60 - 5.20	2015-Jan-24	MW15-05	-	0.15	0.091	**0.44**	**0.52**	**1.4**	**0.23**	-	**0.39**	**1.3**	**0.088**	<0.02	<0.02	<0.02	<0.02	<0.06	<0.02	-	-	-	-	-	-	-	-	<0.02	**4.1**
				MW15-101 (Dup of MW15-05)	-	0.15	0.084	**0.43**	**0.53**	**1.3**	**0.22**	-	**0.36**	**1.4**	**0.08**	<0.02	<0.02	<0.02	<0.02	<0.06	<0.02	-	-	-	-	-	-	-	-	<0.02	**4.1**
			2016-Feb-15	MW15-05	-	0.165	0.0669	**0.391**	**0.488**	**0.964**	**0.211**	-	**0.245**	**0.987**	**0.0406**	<0.00107	-	<0.00107	<0.00107	-	-	-	-	-	-	-	-	-	-	0.00748	**2.87**
			2016-Sep-21	MW15-05	-	0.636	0.363	**2.51**	**3.24**	**3.2**	**1.11**	-	**0.854**	**0.855**	**0.0685**	0.00757	-	0.00757	0.00757	-	-	-	-	-	-	-	-	-	-	0.00757	**5.695**
			2017-Jan-9	MW15-05	-	0.087	0.0504	**0.473**	**0.453**	**0.73**	**0.234**	-	**0.248**	**0.702**	**0.0468**	0.00242	-	<0.00099	<0.00099	-	-	-	-	-	-	-	-	-	-	0.00263	**2.41**
			2017-Oct-19	MW15-05	-	0.368	0.147	**1.19**	**1.3**	**1.14**	**0.447**	-	**0.376**	**0.91**	**0.0983**	0.00698	-	0.000892	0.000524	-	-	-	-	-	-	-	-	-	-	0.0036	**3.4**
			2018-Jan-9	MW15-05	-	0.233	0.0733	**0.682**	**0.629**	**0.788**	**0.246**	-	**0.257**	**0.9**	**0.0598**	0.00448	-	0.00117	<0.000704	-	-	-	-	-	-	-	-	-	-	0.00556	**2.8**
			2018-Sep-5	FFTA18-DUPB	-	0.18	0.065	**0.53**	**0.57**	**0.93**	**0.22**	0.031	**0.3**	**0.93**	**0.11**	0.025	<0.02	<0.02	<0.02	<0.02	<0.02	0.068	**0.23**	-	-	-	-	-	<0.04	**1.5**
			2018-Sep-5	MW15-05	-	0.18	0.065	**0.54**	**0.57**	**0.78**	**0.21**	0.029	**0.29**	**0.96**	**0.1**	0.026	<0.02	<0.02	<0.02	<0.02	<0.02	0.071	**0.25**	-	-	-	-	-	<0.04	**1.45**
			2019-Jan-9	FFTA-190109-DUPA	-	0.098	0.033	**0.31**	**0.31**	0.42	0.12	<0.02	**0.21**	**0.74**	**0.09**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.04	<0.04	-	-	-	-	-	<0.04	**1.05**
			2019-Jan-9	MW15-05	-	0.097	0.033	**0.3**	**0.31**	0.43	0.12	0.015	0.2	**0.71**	**0.1**	0.0079	<0.002	<0.002	<0.002	<0.002	<0.002	0.031	0.013	-	-	-	-	-	<0.004	1
	MW15-06	0.60 - 5.20	2015-Jan-25	MW15-06	-	1.1	1.3	**3.6**	**3.5**	**7.3**	**1.3**	-	**1.1**	**5.8**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-	-	-	-	-	-	-	-	<0.8	**15.2**
			2016-Feb-15	MW15-06	-	0.518	0.702	**1.96**	**1.71**	**4.38**	**0.835**	-	**0.245**	**3.19**	**0.0406**	<0.0103	-	<0.0103	<0.0103	-	-	-	-	-	-	-	-	-	-	<0.0103	**6.54**
			2016-Sep-21	MW15-06	-	1.17	1.53	**5.06**	**4.09**	**6.35**	**1.28**	-	**0.841**	**4.93**	**0.205**	0.0262	-	0.0262	0.0262	-	-	-	-	-	-	-	-	-	-	0.0262	**12.42**
			2017-Jan-9	MW15-06	-	0.793	0.799	**2.62**	**2.08**	**4.01**	**0.751**	-	**0.611**	**3.89**	**0.199**	<0.00805	-	<0.00805	<0.00805	-	-	-	-	-	-	-	-	-	-	<0.00805	**9.54**
	MW15-07	1.50 - 4.60	2015-Jan-25	MW15-07	-	7.5	12	**31**	**33**	**63**	**8.9**	-	**16**	**130**	<1.9	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-	-	-	-	-	-	-	-	<0.8	**15**
			2016-Feb-16	MW15-07	-	9.12	14.5	**33.8**	**43.2**	**81.1**	**11.6**	-	**15.8**	**106**	**1.23**	<0.0948	-	<0.0948	<0.0948	-	-	-	-	-	-	-	-	-	-	<0.0948	**256**
			2016-Sep-21	MW15-07	-	8.25	**15.8**	**32.7**	**42.2**	**85.1**	**9.59**	-	**16.9**	**170**	**1.19**	0.0861	-	0.0861	0.0861	-	-	-	-	-	-	-	-	-	-	0.0861	**368**
			2017-Jan-10	MW15-07	-	8.59	11.2	**38.1**	**51**	**69.4**	**10.4**	-	**19.6**	**262**	**1.24**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**535**
			2017-Oct-17	MW15-07	-	7.59	14.3	**33.5**	**43.8**	**83.9**	**10.2**	-	**15.8**	**162**	**1.27**	0.0503	-	<0.0146	<0.0205	-	-	-	-	-	-	-	-	-	-	0.107	**349**
			2018-Jan-10	MW15-07	-	9.79	**15.4**	**39.6**	**45.4**	**95.4**	**12.5**	-	**20.2**	**255**	**1.5**	<0.0808	-	<0.0606	<0.0848	-	-	-	-	-	-	-	-	-	-	0.431	**526**
			2018-Sep-5	FFTA18-DUPC	-	8	13	**31**	**43**	**98**	**9.4**	5.4	**17**	**220**	**1.2**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	**170**	**6.5**	-	-	-	-	-	<0.8	**85**
			2018-Sep-5	MW15-07	-	8.1	13	**31**	**42**	**86**	**9.3**	5.5	**17**	**200**	**1.2**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	**170**	**5.8**	-	-	-	-	-	<0.8	**85**
	MW15-08	0.60 - 1.50	2015-Jan-25	MW15-08	-	6.2	7.5	**25**	**20**	**46**	**4.4**	-	**7.7**	**120**	**0.86**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-	-	-	-	-	-	-	-	<0.8	**297**
				MW15-102 (Dup of MW15-08)	-	15	**46**	**58**	**76**	**170**	**12**	-	**21**	**150**	**1.8**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-	-	-	-	-	-	-	-	<0.8	**239**
			2016-Feb-16	MW15-08	-	4.36	5.66	**18.6**	**16**	**48.6**	**3.59**	-	**8.29**	**168**	**0.803**	<0.0993	-	<0.0993	<0.0993	-	-	-	-	-	-	-	-	-	-	0.37	**321**
			2017-Jan-10	MW15-08	-	2.75	3.69	**13.9**	**11.9**	**30.4**	**2.98**	-	**5.23**	**108**	**0.732**	<0.0805	-	<0.0805	<0.0805	-	-	-	-	-	-	-	-	-	-	0.305	**206**
	MW15-09	1.50 - 6.10	2015-Jan-25	MW15-09	-	16	**44**	**56**	**68**	**160**	**14**	-	**20**	**130**	**1.5**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-	-	-	-	-	-	-	-	<0.8	**355**
			2016-Feb-16	MW15-09	-	16.8	**38.4**	**63.4**	**78.7**	**165**	**15.8**	-	**22.4**	**161**	**1.51**	<0.0888	-	<0.0888	<0.0888	-	-	-	-	-	-	-	-	-	-	<0.0888	**380**
			2016-Sep-21	MW15-09	-	12.4	**29.7**	**43.2**	**55.3**	**119**	**9.32**	-	**15.8**	**83.1**	**0.497**	0.0846	-	0.0846	0.0846	-	-	-	-	-	-	-	-	-	-	0.0846	**217.5**
			2017-Jan-11	MW15-09	-	10	**29.9**	**48.6**	**63.9**	**128**	**9.54**	-	**20.4**	**118**	**0.947**	<0.0936	-	<0.0936	<0.0936	-	-	-	-	-	-	-	-	-	-	<0.0936	**299**
			2019-Jan-15	VC3340-MW15-09-190115	-	12	**27**	**49**	**60**	**140**	**11**	7	**20**	**130**	**1.3**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	**260**	**3.1**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	**316.6658**
	MW15-10	1.50 - 4.60	2015-Jan-25	MW15-10	-	8	**18**	**39**	**33**	**85**	**9.7**	-	**15**	**110**	**1.9**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-	-	-	-	-	-	-	-	<0.8	**317**
			2016-Feb-15	MW15-10	-	8.87	**15.8**	**34.7**	**35.3**	**74.1**	**10.3**	-	**15**	**84.1**	**1.36**	<0.0971	-	<0.0971	<0.0971	-	-	-	-	-	-	-	-	-	-	<0.0971	**215**
			2016-Sep-21	MW15-10	-	10.2	**18.6**	**44**	**41**	**81.9**	**12**	-	**16.7**	**126**	**1.77**	0.0734	-	0.0734	0.0734	-	-	-	-	-	-	-	-	-	-	0.0734	**294**
			2017-Jan-11	MW15-10	-	8.13	14.6	**35.2**	**28.5**	**77.5**	**9.82**	-	**13.8**	**138**	**2.54**	<0.0863	-	<0.0863	<0.0863	-	-	-	-	-	-	-	-	-	-	<0.0863	**299**
			2019-Jan-15	VC3341-MW15-10-190115	-	5.9	10	**30**	**23**	**59**	**7.4**	3.3	**11**	**130**	**2.4**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	**18**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	**271.6658**
	MW16-11	0.80 - 2.30	2017-Jan-24	MW16-11	-	0.0832	0.504	**0.273**	**0.419**	**1.77**	0.12	-	0.102	**1.68**	**0.0252**	<0.00832	-	<0.00832	<0.00832	-	-	-	-	-	-	-	-	-	-	<0.00832	**3.31**
			2018-Jan-8	MW16-11	-	0.089	0.821	**0.322**	**0.583**	**3.72**	0.194	-	0.0794	**0.827**	0.0154	0.000724	-	<0.000489	<0.000684	-	-	-	-	-	-	-	-	-	-	0.00349	**1.775**
			2019-Jan-8	MW16-11	-	0.092	0.67	**0.35**	**0.61**	**4.3**	0.15	0.11	0.082	**1.6**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.04	<0.04	-	-	-	-	-	<0.04	0.41

TABLE 22: GROUNDWATER - PER- AND POLYFLUOROALKYL SUBSTANCES

	PFAS																												
	MeFOSE	perfluorobutanoic acid [PFBA]	perfluorobutane sulfonic acid [PFBS]	perfluoropentanoic acid [PFPeA]	perfluorohexanoic acid [PFHxA]	perfluorohexane sulfonic acid [PFHxS]	perfluoroheptanoic acid [PFHpA]	perfluoroheptane sulfonic acid [PFHpS]	perfluorooctanoic acid [PFOA]	perfluorooctane sulfonic acid [PFOS]	perfluorononanoic acid [PFNA]	perfluorodecanoic acid [PFDA]	perfluorodecane sulfonic acid [PFDS]	perfluoroundecanoic acid [PFUnDA]	perfluorododecanoic acid [PFDoA]	perfluorotridecanoic acid [PFTrDA]	perfluorotetradecanoic acid [PFTeDA]	6:2 Fluorotelomer sulfonic acid [6:2 FTS]	8:2 fluorotelomer sulfonic acid [8:2 FTS]	n-ethyl perfluorooctanesulfonamide [N-Et-FOSA]	n-ethyl perfluorooctanesulfonamide ethanol [N-Et-FOSE]	Methyl-perfluorooctane sulfonamide [N-Me-FOSA]	n-methyl perfluorooctane sulfonamidoacetic acid [N-MeFOSAA]	n-Ethyl perfluorooctane sulfonamidoacetic acid [N-EtFOSAA]	2-n-methyl perfluorooctanesulfonamide ethanol [N-Me-FOSE]	perfluorooctane sulfonamide [PFOSA]	Additive PFOA + PFOS
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	N/A
Reported Detection Limit	0.02	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.02	0.02	0.02	0.02	0.02	0.02	0.004	
Health Canada DW SV for other PFAS		**30**	**15**	**0.2**	**0.2**	**0.6**	**0.2**		**0.2**		**0.02**								**0.2**	**0.2**								
Health Canada GCDWQ for PFOS and PFOA									**0.2**	**0.6**																		**1**[#1]
ECCC FEQG for PFOS										**6.8**																		
FGQG (Eco) for PFOS (coarse)										**6.8**																		
FGQG (Eco) for PFOS (fine)										**6.8**																		
BC CSR DW			**80**						**0.2**	**0.3**																		
BC CSR AWF										**60**																		
BC CSR AWM										**60**																		

Site Area	Sample Location	Well Screen Depth (mbg)	Sample Date	Sample ID																									
FFTA	MW16-12	0.80 - 2.00	2017-Jan-9	MW16-12	-	0.112	0.0284	**0.289**	0.175	**0.601**	0.103	-	**0.23**	0.3	0.0175	<0.000982	-	<0.000982	<0.000982	-	-	-	-	-	-	-	-	-	<0.000982	**1.7**
			2018-Jan-9	MW16-12	-	0.108	0.0256	**0.242**	0.188	**0.742**	0.134	-	**0.219**	**0.558**	**0.0251**	0.000685	-	<0.000485	<0.000678	-	-	-	-	-	-	-	-	-	-	<0.00323	**2.025**
			2019-Jan-9	MW16-12	-	0.09	0.023	**0.23**	0.19	**0.67**	0.1	0.036	0.19	**0.46**	**0.024**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.04	<0.04	-	-	-	-	-	<0.04	0.95
	MW16-13	0.80 - 2.30	2016-Sep-22	MW16-13	-	0.254	0.205	**0.879**	**0.895**	**2.31**	**0.37**	-	**0.316**	**2.41**	**0.0801**	0.00875	-	0.00875	0.00875	-	-	-	-	-	-	-	-	-	-	0.0226	**5.6**
			2017-Jan-9	MW16-13	-	0.0467	0.0243	0.149	0.1	0.4	0.054	-	0.102	**1.42**	**0.0412**	0.013	-	<0.000978	<0.000978	-	-	-	-	-	-	-	-	-	-	0.0153	**2.88**
			2017-Oct-19	MW16-13	-	0.116	0.0766	**0.332**	**0.346**	**0.87**	0.135	-	0.104	**1.14**	**0.0335**	0.0066	-	<0.000497	<0.000696	-	-	-	-	-	-	-	-	-	-	0.0117	**2.42**
			2018-Jan-9	MW16-13	-	0.054	0.0213	0.132	0.111	0.422	0.0597	-	0.0701	**0.825**	**0.0233**	0.00659	-	<0.000502	<0.000702	-	-	-	-	-	-	-	-	-	-	0.0107	**1.726**
			2018-Sep-11	MW16-13	-	0.17	0.1	**0.42**	**0.4**	**1.8**	0.15	0.066	**0.22**	**3.1**	**0.063**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.056	<0.04	-	-	-	-	-	-	<0.04	**1.1**
			2019-Jan-9	MW16-13	-	0.038	0.0069	0.087	0.056	0.21	0.023	0.0077	0.035	**0.34**	0.013	0.0055	<0.002	<0.002	<0.002	<0.002	<0.002	0.0063	<0.004	-	-	-	-	-	-	0.0048	0.175
	MW16-14	0.80 - 2.30	2017-Jan-10	MW16-14	-	0.0348	0.0103	0.0787	0.0355	0.172	0.0188	-	0.0518	0.12	0.00366	<0.000961	-	<0.000961	<0.000961	-	-	-	-	-	-	-	-	-	-	<0.000961	0.46
			2017-Oct-19	MW16-14	-	0.0279	0.022	0.11	0.0988	0.301	0.0443	-	0.0754	0.0557	0.000911	0.000278	-	<0.000155	<0.000218	-	-	-	-	-	-	-	-	-	-	0.00331	0.4698
			2018-Jan-9	MW16-14	-	0.00736	0.0185	0.018	0.019	0.424	0.0135	-	0.0595	0.0457	0.000625	<0.0000797	-	<0.0000797	<0.0000797	-	-	-	-	-	-	-	-	-	-	0.000414	0.3737
			2018-Sep-5	FFTA18-DUPA	-	0.02	0.019	0.075	0.072	0.4	0.031	0.015	0.066	0.072	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	-	-	-	-	-	-	<0.004	0.33
				MW16-14	-	0.021	0.02	0.077	0.078	0.42	0.033	0.015	0.081	0.079	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	-	-	-	-	-	-	<0.004	0.405
			2019-Jan-8	MW16-14	-	0.025	0.016	0.086	0.09	0.4	0.048	0.014	0.11	0.056	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	-	-	-	-	-	-	<0.004	0.55
	MW16-15	0.80 - 2.30	2016-Sep-22	MW16-15	-	0.0586	0.165	0.186	**0.535**	**1.67**	**0.242**	-	**0.329**	**0.863**	**0.0619**	0.00133	-	0.00103	0.00103	-	-	-	-	-	-	-	-	-	-	0.00103	**3.083**
			2017-Jan-9	MW16-15	-	0.0169	0.0148	0.0801	0.114	0.146	0.0401	-	0.0457	0.194	0.0106	<0.00101	-	<0.00101	<0.00101	-	-	-	-	-	-	-	-	-	-	<0.00101	0.552
			2017-Oct-19	MW16-15	-	0.0386	0.0439	0.158	**0.272**	0.472	0.11	-	0.0996	**0.373**	**0.0242**	0.0012	-	<0.000244	<0.000342	-	-	-	-	-	-	-	-	-	-	<0.00163	**1.12**
			2018-Jan-9	MW16-15	-	0.0455	0.0113	0.156	0.131	0.18	0.0548	-	0.062	0.298	0.0199	0.00165	-	0.000097	<0.0000841	-	-	-	-	-	-	-	-	-	-	0.000641	0.807
			2018-Sep-4	MW16-15	-	0.051	0.022	0.16	0.18	0.35	0.071	0.0094	0.091	0.25	0.015	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	-	-	-	-	-	-	<0.004	0.455
			2019-Jan-8	MW16-15	-	0.069	0.023	**0.22**	**0.23**	0.51	0.11	0.016	0.16	**0.44**	**0.039**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0058	<0.004	-	-	-	-	-	-	<0.004	0.8
	MW16-16	4.60 - 6.10	2016-Sep-21	FFTA16-DUP-C (MW16-16)	-	0.00107	0.0021	0.00403	0.0035	0.00467	0.00181	-	0.00232	0.0263	0.00121	0.00105	-	0.00105	0.00105	-	-	-	-	-	-	-	-	-	-	0.00105	0.0554
				MW16-16	-	0.00136	0.00225	0.00297	0.00364	0.00412	0.0022	-	0.00279	0.0178	0.00158	0.00113	-	0.00113	0.00113	-	-	-	-	-	-	-	-	-	-	0.00113	0.0436
			2017-Jan-9	MW16-16	-	0.00586	<0.0021	0.0298	0.0108	0.00821	0.00434	-	0.00389	0.0482	0.0023	<0.00105	-	<0.00105	<0.00105	-	-	-	-	-	-	-	-	-	-	<0.00105	0.0998
			2017-Oct-19	MW16-16	-	0.00714	0.00241	0.0169	0.0117	0.013	0.00417	-	0.00394	0.0469	0.00229	0.000329	-	<0.0000604	<0.0000845	-	-	-	-	-	-	-	-	-	-	0.000735	0.0979
			2018-Jan-9	MW16-16	-	0.0084	0.00347	0.024	0.0142	0.0129	0.00498	-	0.00446	0.0477	0.00227	0.000396	-	0.000096	<0.000084	-	-	-	-	-	-	-	-	-	-	0.00118	0.1018
			2018-Sep-4	MW16-16	-	0.013	0.0031	0.018	0.013	0.0095	0.0036	<0.002	0.0033	0.03	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	-	-	-	-	-	-	<0.004	0.0165
			2019-Jan-8	MW16-16	-	<0.002	0.0032	0.02	0.014	0.0087	0.0033	<0.002	0.003	0.031	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	-	-	-	-	-	-	<0.004	0.015
	MW16-17	0.80 - 2.30	2017-Jan-10	FFTA17-DUP-A (MW16-17)	-	0.00239	0.00528	0.00663	0.00666	0.0789	0.00543	-	0.00344	0.00819	<0.00102	<0.00102	-	<0.00102	<0.00102	-	-	-	-	-	-	-	-	-	-	<0.00102	0.03085
				MW16-17	-	0.0039	0.0065	0.00964	0.00991	0.0994	0.00715	-	0.00545	0.00867	<0.00104	<0.00104	-	<0.00104	<0.00104	-	-	-	-	-	-	-	-	-	-	<0.00104	0.0417
			2018-Jan-9	MW16-17	-	0.00166	0.00435	0.0017	0.00303	0.0721	0.003	-	0.00249	0.0174	0.000502	0.000187	-	<0.00006	<0.000084	-	-	-	-	-	-	-	-	-	-	0.000432	0.0415
			2019-Jan-8	MW16-17	-	<0.002	0.0023	<0.002	0.003	0.041	0.002	<0.002	<0.002	0.013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	-	-	-	-	-	-	<0.004	<0.01
	MW16-18	0.80 - 2.30	2017-Jan-9	MW16-18	-	0.12	0.0844	**0.306**	0.188	0.437	0.0617	-	0.0861	**0.752**	**0.0274**	<0.000989	-	<0.000989	<0.000989	-	-	-	-	-	-	-	-	-	-	<0.000989	**1.684**
			2017-Oct-19	MW16-18	-	0.0418	0.036	0.0697	0.0527	0.577	0.0215	-	0.0374	**1.94**	**0.0316**	0.000883	-	<0.000495	<0.000693	-	-	-	-	-	-	-	-	-	-	<0.0033	**3.42**
			2018-Jan-8	MW16-18	-	0.0168	0.0536	0.0231	0.0197	0.371	0.0114	-	0.0239	**0.823**	0.0135	<0.000663	-	<0.000497	<0.000696	-	-	-	-	-	-	-	-	-	-	<0.00331	**1.491**
			2019-Jan-8	MW16-18	-	0.03	0.023	0.044	0.042	0.31	<0.02	0.029	0.042	**0.83**	**0.025**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.04	<0.04	-	-	-	-	-	-	<0.04	0.21
			2019-Jan-16	VC4560-MW16-18-190116	-	0.039	0.051	0.073	0.056	0.5	0.023	0.032	0.045	**0.86**	**0.023**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**1.6583276**
	MW16-19	4.70 - 6.20	2016-Sep-21	MW16-19	-	0.0232	0.0389	0.0845	0.0676	0.176	0.0155	-	0.019	0.0596	0.00112	0.00112	-	0.00112	0.00112	-	-	-	-	-	-	-	-	-	-	0.00112	0.1943
			2017-Jan-9	MW16-19	-	0.0296	0.0411	0.104	0.0953	0.193	0.0122	-	0.0148	0.015	0.00104	<0.000996	-	<0.000996	<0.000996	-	-	-	-	-	-	-	-	-	-	<0.000996	0.099
			2017-Oct-17	MW16-19	-	0.0293	0.029	0.0835	0.0766	0.195	0.0135	-	0.0136	0.0835	0.000689	<0.000334	-	<0.00025	<0.000351	-	-	-	-	-	-	-	-	-	-	<0.00167	0.2072
			2018-Jan-8	MW16-19	-	0.054	0.0497	0.179	0.133	0.245	0.023	-	0.0238	0.0167	0.000221	<0.0000799	-	<0.0000599	<0.0000839	-	-	-	-	-	-	-	-	-	-	0.000921	0.1468
			2018-Sep-4	MW16-19	-	0.028	0.031	0.079	0.069	0.21	0.014	0.0039	0.013	0.046	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	-	-	-	-	-	-	<0.004	0.065
			2019-Jan-8	FFTA-190108-DUPB	-	0.046	0.044	0.16	0.14	0.29	0.023	0.0062	0.027	0.026	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	-	-	-	-	-	-	<0.004	0.135
			2019-Jan-8	MW16-19	-	0.047	0.046	0.16	0.13	0.28	0.023	0.0069	0.028	0.028	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	-	-	-	-	-	-	<0.004	0.14
	MW16-20	0.80 - 2.30	2017-Jan-9	MW16-20	-	0.0802	0.917	**0.284**	**0.305**	**1.23**	0.111	-	0.0496	0.0655	0.00411	<0.00104	-	<0.00104	<0.00104	-	-	-	-	-	-	-	-	-	-	<0.00104	0.3572
			2018-Jan-8	MW16-20	-	0.0335	0.326	0.161	0.198	**0.938**	0.0862	-	0.0275	0.0457	0.000892	<0.000665	-	<0.000499	<0.000698	-	-	-	-	-	-	-	-	-	-	0.00521	0.2137
			2019-Jan-8	MW16-20	-	0.034	0.31	0.12	0.15	**0.87**	0.063	<0.02	0.023	0.064	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.04	<0.04	-	-	-	-	-	-	<0.04	0.115

TABLE 22: GROUNDWATER - PER- AND POLYFLUOROALKYL SUBSTANCES

					PFAS																													
					MeFOSE	perfluorobutanoic acid [PFBA]	perfluorobutane sulfonic acid [PFBS]	perfluoropentanoic acid [PFPeA]	perfluorohexanoic acid [PFHxA]	perfluorohexane sulfonic acid [PFHxS]	perfluoroheptanoic acid [PFHpA]	perfluoroheptane sulfonic acid [PFHpS]	perfluorooctanoic acid [PFOA]	perfluorooctane sulfonic acid [PFOS]	perfluorononanoic acid [PFNA]	perfluorodecanoic acid [PFDA]	perfluorodecane sulfonic acid [PFDS]	perfluoroundecanoic acid [PFUnDA]	perfluorododecanoic acid [PFDoA]	perfluorotridecanoic acid [PFTrDA]	perfluorotetradecanoic acid [PFTeDA]	6:2 Fluorotelomer sulfonic acid [6:2 FTS]	8:2 fluorotelomer sulfonic acid [8:2 FTS]	n-ethyl perfluorooctanesulfonamide [N-Et-FOSA]	n-ethyl perfluorooctanesulfonamide ethanol [N-Et-FOSE]	Methyl-perfluorooctane sulfonamide [N-Me-FOSA]	n-methyl perfluorooctane sulfonamidoacetic acid [N-MeFOSAA]	n-Ethyl perfluorooctane sulfonamidoacetic acid [N-EtFOSAA]	2-n-methyl perfluorooctanesulfonamide ethanol [N-Me-FOSE]	perfluorooctane sulfonamide [PFOSA]	Additive PFOA + PFOS
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	N/A
Reported Detection Limit					0.02	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.004	
Health Canada DW SV for other PFAS						**30**	**15**	**0.2**	**0.2**	**0.6**	**0.2**		**0.2**		**0.02**							**0.2**	**0.2**										
Health Canada GCDWQ for PFOS and PFOA													**0.2**	**0.6**																		**1**[#1]
ECCC FEQG for PFOS														**6.8**																		
FGQG (Eco) for PFOS (coarse)														**6.8**																		
FGQG (Eco) for PFOS (fine)														**6.8**																		
BC CSR DW							**80**						**0.2**	**0.3**																		
BC CSR AWF														**60**																		
BC CSR AWM														**60**																		
Site Area	**Sample Location**	**Well Screen Depth (mbg)**	**Sample Date**	**Sample ID**																												
FFTA	MW18-21D	4.10 - 4.60	2019-Jan-16	VC4564-MW18-21D-190116	-	0.15	<0.02	**0.53**	**0.32**	0.13	0.13	<0.02	0.045	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.3249996
	MW18-21S	1.70 - 2.20	2019-Jan-10	MW18-21S-190110	-	0.13	<0.02	**0.43**	**0.22**	0.1	0.11	<0.02	0.032	0.026	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.20333316
	MW18-23D	2.60 - 3.10	2019-Jan-16	VC4561-MW18-23D-190116	-	0.49	0.53	**2.7**	**2.8**	**6.6**	**0.76**	0.049	**0.67**	**0.97**	**0.048**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.025	**4.9666602**
	MW18-23M	1.30 - 1.80	2019-Jan-10	MW18-23M-190110	<0.02	0.15	0.17	**0.86**	**1**	**5.4**	**0.43**	0.044	**0.59**	**0.73**	**0.032**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-	<0.02	**4.1666618**
	MW18-23S	0.50 - 1.00	2019-Jan-10	MW18-23S-190110	<0.02	0.18	0.11	**0.75**	**0.66**	**2.4**	**0.26**	0.034	**0.29**	**1.1**	**0.074**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**3.283326**
	MW18-24M	2.90 - 3.90	2019-Jan-17	MW18-24M-190117	<0.02	<0.02	<0.02	0.025	<0.02	0.091	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-	<0.02	<0.1333332
	MW18-24S	0.30 - 0.80	2019-Jan-17	MW18-24S-190117	<0.02	<0.02	<0.02	<0.02	<0.02	0.047	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-	<0.02	<0.1333332
	MW18-25D	2.90 - 4.60	2019-Jan-16	VC4562-MW18-25D-190116	-	<0.02	0.033	0.13	0.15	0.21	0.053	<0.02	0.02	0.048	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.17999968
	MW18-25S	0.50 - 2.00	2019-Jan-15	VC3346-MW18-25S-190115	-	0.049	0.026	**0.26**	**0.23**	0.31	0.12	<0.02	0.048	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.3066664
	MW18-26D	4.80 - 5.60	2019-Jan-18	VC8067-MW18-26D-190118	-	0.27	0.92	**1.1**	**1.5**	**2.6**	**0.28**	0.098	**0.26**	**1.8**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**0.48**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**4.299988**
	MW18-26S	3.30 - 3.80	2019-Jan-18	VC8066-MW18-26S-190118	-	0.27	0.24	**1.1**	**1**	**1.8**	**0.26**	0.14	**0.25**	**6.3**	**0.033**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**0.75**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**11.749958**
	MW18-27	4.00 - 4.60	2019-Jan-16	VC4565-MW18-27-190116	-	0.21	0.18	**0.56**	**0.36**	0.35	0.077	<0.02	0.049	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.027	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.5949986
				VC4566-MW19-C-190116	-	0.21	0.18	**0.55**	**0.35**	0.37	0.072	<0.02	0.047	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.024	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.6016652
	MW18-31S	0.60 - 1.90	2019-Jan-10	MW18-31S-190110	<0.02	0.069	0.032	0.2	0.11	0.23	0.059	<0.02	0.044	**0.37**	**0.029**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.8366642
	MW18-33D	8.40 - 8.90	2019-Jan-16	VC4567-MW18-33D-190116	-	20	**30**	**63**	**130**	**250**	**22**	14	**45**	**230**	**1**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	**590**	**7.7**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	1.5	**608.3318**
				VC4568-MW19-D-190116	-	20	**32**	**63**	**130**	**250**	**23**	14	**44**	**230**	**1.2**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	**570**	**8.8**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	1.7	**603.3318**
	MW18-33S	5.50 - 5.90	2019-Jan-16	VC4569-MW18-33S-190116	-	1.5	3.7	**3.3**	**7.7**	**12**	**1**	0.91	**2.7**	**72**	**0.57**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**16**	**8.7**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	7.5	**156.99952**
	MW18-38D	2.30 - 2.80	2019-Jan-16	VC4537-MW18-38D-190116	-	<0.02	<0.02	0.042	0.036	0.069	<0.02	<0.02	<0.02	0.023	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03833318
	MW18-38S	0.50 - 1.80	2019-Jan-15	VC3342-MW18-38S-190115	-	0.025	<0.02	0.051	0.039	0.04	0.022	<0.02	<0.02	0.021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03499986
	MW18-41D	2.30 - 2.80	2019-Jan-16	VC4538-MW18-41D-190116	-	<0.02	<0.02	<0.02	<0.02	0.099	<0.02	<0.02	<0.02	0.026	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04333316
	MW18-41S	0.60 - 2.10	2019-Jan-16	VC4539-MW18-41S-190116	-	<0.02	<0.02	<0.02	<0.02	0.12	<0.02	<0.02	<0.02	0.028	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04666648
	MW18-42D	2.40 - 2.90	2019-Jan-16	VC4540-MW18-42D-190116	-	0.62	1.3	**2.7**	**3**	**8.2**	**1.4**	0.29	**1.8**	**4.7**	**0.23**	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	**16.833302**
	MW18-42S	0.50 - 2.00	2019-Jan-11	MW18-42S-190111	<0.02	0.082	0.094	**0.36**	**0.39**	**2.3**	**0.25**	0.11	**0.59**	**2.8**	**0.1**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-	<0.02	**7.616648**
	MW18-43D	1.20 - 1.50	2019-Jan-16	VC4541-MW18-43D-190116	-	<0.02	<0.02	0.049	0.041	0.13	0.034	<0.02	0.063	0.28	**0.058**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.7816648
	MW18-43S	0.40 - 0.60	2019-Jan-16	VC4542-MW18-43S-190116	-	<0.02	<0.02	0.032	0.027	0.087	<0.02	<0.02	0.028	0.034	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.19666644
	MW18-44D	2.30 - 2.80	2019-Jan-16	VC4588-MW18-44D-190116	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1333332
	MW18-44M	1.40 - 1.90	2019-Jan-15	VC3344-MW18-44M-190115	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1333332
	MW18-44S	0.60 - 1.10	2019-Jan-15	VC3343-MW18-44S-190115	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1333332
	MW18-46D	2.70 - 3.40	2019-Jan-16	VC4543-MW18-46D-190116	-	2.2	3.4	**12**	**13**	**34**	**5**	1.5	**5.6**	**53**	**1.3**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**6.7**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**116.33298**
	MW18-46S	0.60 - 1.50	2019-Jan-11	MW18-46S-190111	<0.1	<0.1	1	**4.8**	**4.7**	**11**	**2.2**	0.52	**2.6**	**31**	**0.85**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**1.6**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	**64.66646**
			2019-Jan-11	MW19-A-190111	<0.1	0.67	0.58	**2.9**	**2.9**	**9.5**	**1.7**	0.5	**2.2**	**28**	**0.76**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**1.4**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	**57.66648**
	MW18-47D	2.40 - 2.80	2019-Jan-16	VC4544-MW18-47D-190116	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1333332
	MW18-47M	1.20 - 1.50	2019-Jan-16	VC4546-MW18-47M-190116	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1333332
	MW18-47S	0.40 - 0.80	2019-Jan-16	VC4545-MW18-47S-190116	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1333332
	MW19-49	4.10 - 4.60	2019-Mar-22	VK5123-MW19-49-190322	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1333332
	MW19-50	1.00 - 2.00	2019-Mar-13	VJ3228-MW19-A-190313	-	<0.02	<0.02	0.025	0.02	0.039	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1333332
				VJ3230-MW19-50-190313	-	<0.02	<0.02	0.025	<0.02	0.037	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1333332
	MW19-51	4.50 - 5.50	2019-Mar-18	VJ394-MW19-51-190318	-	0.13	0.24	**0.51**	**0.58**	**0.98**	0.16	0.053	**0.21**	**7**	**0.12**	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	**0.25**	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	**12.71662**
	MW19-52	2.50 - 3.50	2019-Mar-18	VJ395-MW19-52-190318	-	<0.02	0.02	<0.02	0.035	0.31	<0.02	<0.02	<0.02	0.038	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.06333308
	MW19-54	12.10 - 13.10	2019-Mar-22	VK5124-MW19-54-190322	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.058	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.09666628
	MW19-55	10.00 - 11.00	2019-Mar-22	VK5125-MW19-55-190322	-	1.9	1.8	**7.8**	**13**	**26**	**2.5**	1.3	**7**	**71**	**0.27**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**64**	**5.1**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**153.33286**
	MW19-56	2.50 - 3.50	2019-Mar-13	VJ3205-MW19-56-190313	-	0.031	0.048	0.1	0.097	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1333332
	MW19-57	0.60 - 2.10	2019-Mar-13	VJ3206-MW19-57-190313	-	<0.02	<0.02	0.039	0.035	0.098	<0.02	<0.02	<0.02	0.039	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.06499974
	MW19-58	14.00 - 15.20	2019-Mar-13	VJ3227-MW19-58-190313	-	2.1	5.1	**4.1**	**12**	**23**	**1.5**	0.32	**2.5**	**16**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**34**	**0.55**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**39.16656**
	MW19-60	2.50 - 3.00	2019-Mar-13	VJ3208-MW19-60-190313	-	<0.02	<0.02	0.064	0.069	0.11	0.036	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1333332
	MW19-61	7.00 - 8.00	2019-Mar-13	VJ3204-MW19-61-190313	-	0.17	0.66	**0.43**	**0.74**	**1.2**	0.12	0.021	0.1	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.8499986
	MW19-62	0.50 - 2.00	2019-Mar-12	VJ3203-MW19-62-190312	-	0.06	0.042	0.13	0.13	**0.72**	0.058	<0.02	0.085	**0.41**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**1.1083306**

TABLE 22: GROUNDWATER - PER- AND POLYFLUOROALKYL SUBSTANCES

													PFAS																				
													MeFOSE	perfluorobutanoic acid [PFBA]	perfluorobutane sulfonic acid [PFBS]	perfluoropentanoic acid [PFPeA]	perfluorohexanoic acid [PFHxA]	perfluorohexane sulfonic acid [PFHxS]	perfluoroheptanoic acid [PFHpA]	perfluoroheptane sulfonic acid [PFHpS]	perfluorooctanoic acid [PFOA]	perfluorooctane sulfonic acid [PFOS]	perfluorononanoic acid [PFNA]	perfluorodecanoic acid [PFDA]	perfluorodecane sulfonic acid [PFDS]	perfluoroundecanoic acid [PFUnDA]	perfluorododecanoic acid [PFDoA]	perfluorotridecanoic acid [PFTrDA]	perfluorotetradecanoic acid [PFTeDA]	6:2 Fluorotelomer sulfonic acid [6:2 FTS]	8:2 fluorotelomer sulfonic acid [8:2 FTS]	n-ethyl perfluorooctanesulfonamide [N-Et-FOSA]	n-ethyl perfluorooctanesulfonamide ethanol [N-Et-FOSE]	Methyl-perfluorooctane sulfonamide [N-Me-FOSA]	n-methyl perfluorooctane sulfonamidoacetic acid [N-MeFOSAA]	n-Ethyl perfluorooctane sulfonamidoacetic acid [N-EtFOSAA]	2-n-methyl perfluorooctanesulfonamide ethanol [N-Me-FOSE]	perfluorooctane sulfonamide [PFOSA]	Additive PFOA + PFOS
													µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	N/A
Reported Detection Limit													0.02	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.02	0.02	0.02	0.02	0.02	0.02	0.004	
Health Canada DW SV for other PFAS														**30**	**15**	**0.2**	**0.2**	**0.6**	**0.2**			**0.2**		**0.02**								**0.2**	**0.2**							
Health Canada GCDWQ for PFOS and PFOA																						**0.2**	**0.6**																**1**[#1]
ECCC FEQG for PFOS																							**6.8**															
FGQG (Eco) for PFOS (coarse)																							**6.8**															
FGQG (Eco) for PFOS (fine)																							**6.8**															
BC CSR DW															**80**							**0.2**	**0.3**															
BC CSR AWF																							**60**															
BC CSR AWM																							**60**															
Site Area	**Sample Location**	**Well Screen Depth (mbg)**	**Sample Date**	**Sample ID**																																			
FFTA	MW19-63	2.50 - 3.00	2019-Mar-14	VJ3232-MW19-B-190314	-	0.037	0.03	0.085	0.076	0.36	0.04	<0.02	0.048	**0.31**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.7566646
				VJ3229-MW19-63-190314	-	0.038	0.031	0.092	0.082	0.39	0.041	<0.02	0.049	**0.32**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.7783312
	MW19-64	5.60 - 6.60	2019-Mar-13	VJ3207-MW19-64-190313	-	0.19	0.14	**0.64**	**0.58**	**0.98**	0.15	0.023	0.19	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**0.21**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**1.3333318**
	MW19-65	3.60 - 4.60	2019-Mar-14	VJ3233-MW19-65-190314	-	0.29	0.22	**0.99**	**0.86**	**1.4**	**0.22**	0.038	**0.28**	**0.43**	**0.027**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**0.32**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**2.1166638**
	MW19-66	0.60 - 2.10	2019-Mar-12	VJ3199-MW19-66-190312	-	0.043	0.03	**0.26**	**0.22**	0.33	0.07	<0.02	0.035	0.021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.20999986
	MW19-68	4.00 - 5.00	2019-Mar-12	VJ3202-MW19-68-190312	-	0.45	0.45	**2.1**	**2.3**	**6.7**	**0.71**	<0.04	**0.69**	**0.45**	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	**4.199997**
	MW19-70	5.60 - 6.60	2019-Mar-18	VJ396-MW19-70-190318	-	0.71	0.67	**2.5**	**2.3**	**2.5**	**0.5**	0.052	**0.33**	**0.82**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**4.4**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**3.0166612**
				VJ397-MW19-A-190318	-	0.68	0.65	**2.6**	**2.4**	**2.5**	**0.49**	0.05	**0.32**	**0.81**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**4.4**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**2.9499946**
	P17-1	1.10 - 1.50	2017-Oct-18	PIEZO17-1	-	0.0171	0.00162	<0.00237	0.00166	<0.00115	<0.00115	-	<0.00115	0.00313	<0.000231	0.00108	-	<0.000202	<0.000242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.00115	<0.0011
				PIEZO17-DUPA	-	0.027	0.00266	<0.00224	0.0017	<0.00109	0.0011	-	0.00122	<0.000873	0.000387	0.001	-	<0.000191	<0.000229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.00109	<0.008
			2018-Jan-8	PIEZO17-1	-	<0.00169	0.000581	<0.000847	<0.000413	<0.000413	<0.000413	-	<0.000413	<0.000331	<0.0000826	<0.0000826	-	<0.000062	<0.0000868	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.000413	<0.000413
			2019-Jan-8	P17-1	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	-	-	-	-	-	-	-	-	-	-	<0.004	<0.01
	P17-2	2.40 - 2.70	2018-Jan-8	PIEZO17-2	-	0.0917	0.161	**0.484**	**0.422**	**0.761**	0.132	-	0.084	**0.449**	0.00848	<0.000662	-	<0.000497	<0.000695	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00399	**1.168**
				PIEZO17-DUP-A (PIEZO17-2)	-	0.0914	0.162	**0.482**	**0.424**	**0.754**	0.13	-	0.0804	**0.415**	0.00804	<0.000642	-	<0.000482	<0.000675	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00395	**1.094**
			2019-Jan-8	P17-2	-	0.075	0.15	**0.43**	**0.43**	**0.82**	0.11	<0.02	0.077	**0.46**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.04	<0.04	-	-	-	-	-	-	-	-	-	-	<0.04	0.385
	P17-3D	1.50 - 1.80	2018-Jan-8	PIEZO17-3D	-	0.0803	0.0685	**0.204**	**0.229**	**1.34**	0.101	-	0.187	**0.889**	**0.0459**	<0.000673	-	<0.000505	<0.000706	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00468	**2.417**
			2019-Jan-9	P17-3D	-	0.034	0.063	0.096	0.15	**1.8**	0.071	0.039	0.16	**1.2**	**0.044**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.04	<0.04	-	-	-	-	-	-	-	-	-	-	<0.04	0.8
	P17-3S	0.50 - 0.90	2018-Jan-8	PIEZO17-3S	-	0.041	0.0293	0.0816	0.108	**1.24**	0.0494	-	0.108	**1.01**	**0.033**	0.000723	-	<0.000506	<0.000708	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.00337	**2.22**
			2019-Jan-9	P17-3S	-	<0.02	<0.02	0.033	0.046	**1**	<0.02	0.031	0.064	**1.4**	**0.031**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.04	<0.04	-	-	-	-	-	-	-	-	-	-	<0.04	0.32
	P17-4	0.50 - 0.90	2018-Jan-9	PI17-4	-	0.161	0.88	**0.949**	**1.29**	**7.33**	**0.607**	-	**0.728**	**0.532**	**0.056**	<0.00129	-	<0.000966	<0.00135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.00644	**4.527**
			2019-Jan-9	P17-4	-	<0.8	1.3	**1.5**	**2**	**9.4**	**0.85**	<0.8	**0.86**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	-	-	-	-	-	-	-	-	-	-	<0.8	**4.3**
	P17-5	0.90 - 1.40	2018-Jan-9	PIEZO17-5	-	0.00978	0.00892	0.0299	0.0227	0.102	0.0448	-	0.0453	0.00352	0.000767	0.000094	-	<0.0000678	<0.0000949	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.000452	0.2324
			2019-Jan-9	P17-5	-	0.059	0.0089	0.18	0.093	0.18	0.094	<0.002	0.092	0.0075	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	-	-	-	-	-	-	-	-	-	-	<0.004	0.46
	P17-6D	1.50 - 2.00	2017-Oct-16	PIEZO17-6D	-	0.694	0.738	**3.07**	**2.49**	**4.53**	**0.636**	-	**0.769**	**11.3**	**0.0374**	0.00296	-	<0.00115	<0.00139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0066	**22.7**
			2018-Jan-9	PIEZO17-6D	-	0.311	0.369	**1.26**	**1.21**	**2.04**	**0.313**	-	**0.314**	**6.4**	**0.0314**	0.0014	-	<0.000957	<0.00134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.00638	**12.2**
			2018-Sep-5	P17-6D	-	0.26	0.35	**1.2**	**1.3**	**2.3**	**0.26**	0.15	**0.3**	**8.2**	**0.034**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**0.78**	<0.04	-	-	-	-	-	-	-	-	-	-	-	-	<0.04	**1.5**
			2019-Jan-8	P17-6D	-	0.24	0.37	**0.97**	**1**	**2**	**0.22**	0.095	**0.23**	**6.2**	**0.029**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**0.47**	<0.04	-	-	-	-	-	-	-	-	-	-	-	-	<0.04	**1.15**
			2019-Jan-18	VC8065-PIEZO17-6D-190118	-	0.35	0.49	**1.4**	**1.6**	**2.5**	**0.34**	0.15	**0.36**	**6.7**	**0.035**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**0.71**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**12.966622**
	P17-6S	0.60 - 1.10	2017-Oct-16	PIEZO17-6S	-	0.194	0.169	**0.856**	**0.687**	**0.988**	0.192	-	0.172	**4.62**	0.0183	0.0038	-	<0.000551	<0.000627	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.00298	**8.56**
			2018-Jan-9	PIEZO17-6S	-	0.435	0.493	**1.98**	**1.7**	**2.86**	**0.457**	-	**0.435**	**8.4**	**0.0343**	0.00135	-	<0.000972	<0.00136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.00648	**16.2**
			2019-Jan-8	P17-6S	-	0.28	0.38	**1.2**	**1.3**	**2.3**	**0.3**	0.15	**0.32**	**8.9**	**0.038**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**0.72**	<0.04	-	-	-	-	-	-	-	-	-	-	-	-	<0.04	**1.6**
	P17-7D	1.70 - 2.00	2018-Jan-9	PIEZO17-7D	-	0.0562	0.0212	0.11	0.0633	0.209	0.0524	-	0.0666	0.0405	0.005	0.000385	-	<0.0000613	<0.0000858	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.000409	0.4005
				PIEZO17-DUP-B (PIEZO17-7D)	-	0.0534	0.0212	0.104	0.0625	0.21	0.0489	-	0.0623	0.0463	0.00502	0.000383	-	0.000079	<0.0000857	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.000408	0.3887
			2019-Jan-8	P17-7D	-	0.026	0.025	0.071	0.056	0.25	0.037	0.0042	0.058	0.05	0.0038	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	-	-	-	-	-	-	-	-	-	-	<0.004	0.29
	P17-7-INSTREAM	1.00 - 1.30	2018-Jan-9	PIEZO17-7-INSTREAM	-	0.00631	0.00388	0.0132	0.0102	0.0175	0.00413	-	0.00583	0.0329	0.00194	0.00179	-	0.00105	0.000248	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000545	0.084
	P17-7S	0.60 - 1.10	2018-Jan-9	PIEZO17-7S	-	0.0461	0.0114	0.0904	0.0654	0.141	0.0498	-	0.0445	0.0422	0.00496	0.00019	-	0.000062	<0.0000823	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.000392	0.2928
			2019-Jan-8	P17-7S	-	0.03	0.01	0.054	0.042	0.14	0.027	0.0026	0.026	0.027	0.0027	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	-	-	-	-	-	-	-	-	-	-	<0.004	0.13

TABLE 22: GROUNDWATER - PER- AND POLYFLUOROALKYL SUBSTANCES

	PFAS																										
	MeFOSE	perfluorobutanoic acid [PFBA]	perfluorobutane sulfonic acid [PFBS]	perfluoropentanoic acid [PFPeA]	perfluorohexanoic acid [PFHxA]	perfluorohexane sulfonic acid [PFHxS]	perfluoroheptanoic acid [PFHpA]	perfluoroheptane sulfonic acid [PFHpS]	perfluorooctanoic acid [PFOA]	perfluorooctane sulfonic acid [PFOS]	perfluorononanoic acid [PFNA]	perfluorodecanoic acid [PFDA]	perfluorodecane sulfonic acid [PFDS]	perfluoroundecanoic acid [PFUnDA]	perfluorododecanoic acid [PFDoA]	perfluorotridecanoic acid [PFTrDA]	perfluorotetradecanoic acid [PFTeDA]	6:2 Fluorotelomer sulfonic acid [6:2 FTS]	8:2 fluorotelomer sulfonic acid [8:2 FTS]	n-ethyl perfluorooctanesulfonamide [N-Et-FOSA]	n-ethyl perfluorooctanesulfonamide ethanol [N-Et-FOSE]	Methyl-perfluorooctane sulfonamide [N-Me-FOSA]	n-methyl perfluorooctane sulfonamidoacetic acid [N-MeFOSAA]	n-Ethyl perfluorooctane sulfonamidoacetic acid [N-EtFOSAA]	2-n-methyl perfluorooctanesulfonamide ethanol [N-Me-FOSE]	perfluorooctane sulfonamide [PFOSA]	Additive PFOA + PFOS
	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	N/A
Reported Detection Limit	0.02	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.02	0.02	0.02	0.02	0.02	0.02	0.004	
Health Canada DW SV for other PFAS		**30**	**15**	**0.2**	**0.2**	**0.6**	**0.2**		**0.2**		**0.02**							**0.2**	**0.2**								
Health Canada GCDWQ for PFOS and PFOA									**0.2**	**0.6**																	**1**[#1]
ECCC FEQG for PFOS										**6.8**																	
FGQG (Eco) for PFOS (coarse)										**6.8**																	
FGQG (Eco) for PFOS (fine)										**6.8**																	
BC CSR DW			**80**						**0.2**	**0.3**																	
BC CSR AWF										**60**																	
BC CSR AWM										**60**																	

Site Area	Sample Location	Well Screen Depth (mbg)	Sample Date	Sample ID	MeFOSE	PFBA	PFBS	PFPeA	PFHxA	PFHxS	PFHpA	PFHpS	PFOA	PFOS	PFNA	PFDA	PFDS	PFUnDA	PFDoA	PFTrDA	PFTeDA	6:2 FTS	8:2 FTS	N-Et-FOSA	N-Et-FOSE	N-Me-FOSA	N-MeFOSAA	N-EtFOSAA	N-Me-FOSE	PFOSA	Additive PFOA + PFOS
FFTA	P17-8D	1.50 - 2.00	2018-Jan-9	PIEZO17-8D	-	0.0592	0.00584	0.124	0.0606	0.105	0.0413	-	0.0504	0.227	0.0184	0.00111	-	0.000124	<0.0000814	-	-	-	-	-	-	-	-	-	-	0.000545	0.63
			2018-Sep-4	P17-8D	-	0.039	0.0053	0.082	0.043	0.09	0.025	0.005	0.036	0.23	0.014	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	-	-	-	-	-	-	<0.004	0.18
			2019-Jan-8	P17-8D	-	0.018	0.0047	0.075	0.05	0.1	0.027	0.0049	0.036	0.18	0.014	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	-	-	-	-	-	-	<0.004	0.18
	P17-8S	1.10 - 1.50	2018-Jan-9	PIEZO17-8S	-	0.0605	0.00893	0.199	0.097	0.218	0.0633	-	0.0902	**0.391**	**0.0291**	0.000661	-	0.000116	<0.0000896	-	-	-	-	-	-	-	-	-	-	<0.000427	**1.103**
			2019-Jan-8	P17-8S	-	0.051	0.0073	0.16	0.074	0.21	0.042	0.013	0.065	**0.37**	**0.022**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	-	-	-	-	-	-	<0.004	0.325

Standards / Guidelines Descriptions:

- ECCC FEQG for PFOS:Environment and Climate Change Canada Federal Environmental Quality Guidelines for PFOS, Surface Water (June 2018)
- Health Canada DW SV for other PFAS:Health Canada's Water Talk - Perfluoroalkylated substances in drinking water (April 2019), Drinking Water Screening Values
- Health Canada GCDWQ for PFOS and PFOA:Health Canada's Water Talk Guidelines for Canadian Drinking Water Quality for PFOS and PFOA (2018)
- FGQG (Eco) for PFOS (coarse):Federal Groundwater Quality Guideline for Perfluorooctane Sulfonate (PFOS) - Coarse grained soil, June 2018
- FGQG (Eco) for PFOS (fine):Federal Groundwater Quality Guideline for Perfluorooctane Sulfonate (PFOS) - Fine grained soil, June 2018
- BC CSR DW:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Drinking Water
- BC CSR AWF:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Freshwater Aquatic Life
- BC CSR AWM:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Marine Aquatic Life

Standards / Guidelines Comments:

#1:As outlined in Health Canada (2018)

Notes:

mbg - metres below grade
μg/L - micrograms per litre
mg/L - milligrams per litre
ns, ng - no standard or guideline listed
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated
- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected at the same location and date are blind field duplicate / parent pairs

PFAS - per- and polyfluoroalkylated substances
PFOS - perfluorooctane sulfonate
PFOA - perfluorooctanoate
a - As outlined in Health Canada (2018), the health effects of PFOS and PFOA are similar and well documented. Consequently, Health Canada has advised that where PFOS and PFOA are found together in drinking water, the ratios of the monitoring results for PFOS and PFOA to their respective drinking water quality guidelines should be summed. Per Health Canada (2018), if the result is below or equal to one, then the water is considered safe for drinking. Science currently does not justify the use of this approach for other PFAS. This was done using the formula below:

{PFOA} / {PFOA Guideline} + {PFOS} / {PFOS Guideline} <= 1

CONCRETE ANALYTICAL TABLES

CFB Comox FFTA Source Control Project

PSPC

CFB Comox, Lazo, BC

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TABLE 23: CONCRETE - PER- AND POLYFLUOROALKYL SUBSTANCES

	PFAS																							
	perfluorobutanoic acid [PFBA]	perfluorobutane sulfonic acid [PFBS]	perfluoropentanoic acid [PFPeA]	perfluoropentane sulfonic acid [PFPeS]	perfluorohexanoic acid [PFHxA]	perfluorohexane sulfonic acid [PFHxS]	perfluoroheptanoic acid [PFHpA]	perfluoroheptane sulfonic acid [PFHpS]	perfluorooctanoic acid [PFOA]	perfluorooctane sulfonic acid [PFOS]	perfluorononanoic acid [PFNA]	perfluorononane sulfonic acid [PFNS]	perfluorodecanoic acid [PFDA]	perfluorodecane sulfonic acid [PFDS]	perfluoroundecanoic acid [PFUnDA]	perfluorododecanoic acid [PFDoA]	perfluorotridecanoic acid [PFTrDA]	perfluorotetradecanoic acid [PFTeDA]	6:2 Fluorotelomer sulfonic acid [6:2 FTS]	8:2 fluorotelomer sulfonic acid [8:2 FTS]	n-ethyl perfluorooctanesulfonamide [N-Et-FOSA]	Methyl-perfluorooctane sulfonamide [N-Me-FOSA]	perfluorooctane sulfonamide [PFOSA]
	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
FSQG (Eco) for PFOS (AL)										0.01														
FSQG (Eco) for PFOS (RL/PL)										0.01														
FSQG (Eco) for PFOS (IL, coarse)										0.14														
FSQG (Eco) for PFOS (IL, fine)										0.21														
Health Canada SSV for PFAS (IL)	1630	872	11.41		11.41	33	11.41		9.94	30.5	1.2									11.41	11.41			
Health Canada SSV for PFAS (AL, RL, PL)	114	61	0.8		0.8	2.3	0.8		0.7	2.1	0.08									0.8	0.8			
BC CSR RLld h		300																						
BC CSR RLld dw										0.35														
BC CSR RLld fw										9														
BC CSR RLld i										1														
BC CSR RLld m										9														
BC CSR RLld t										70														

Site Area	Sample Location	Sample Depth (mbg)	Sample Date	Sample ID																						
FFTA	BH20-01	0.0-0.1	2020-Aug-11	BH20-01-CONCRETE	<0.001	<0.001	0.0012	<0.001	0.0025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0054	<0.001	<0.001	<0.001	<0.001
	BH20-02	0.0-0.1	2020-Aug-11	BH20-02-CONCRETE	0.0021	0.0031	0.0021	0.0018	0.008	0.0036	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.14	<0.001	<0.001	<0.001	<0.001

Standards / Guidelines Descriptions:

- FSQG (Eco) for PFOS (AL):Federal Soil Quality Guideline for Perfluorooctane Sulfonate (PFOS) - Agricultural, February 2017
- FSQG (Eco) for PFOS (RL/PL):Federal Soil Quality Guideline for Perfluorooctane Sulfonate (PFOS) - Residential/Parkland, February 2017
- FSQG (Eco) for PFOS (IL, coarse):Federal Soil Quality Guideline for Perfluorooctane Sulfonate (PFOS) - Industrial (Coarse grained soil), February 2017
- FSQG (Eco) for PFOS (IL, fine):Federal Soil Quality Guideline for Perfluorooctane Sulfonate (PFOS) - Industrial (Fine grained soil), February 2017
- Health Canada SSV for PFAS (AL, RL, PL):Health Canada Soil Screening Values for Perfluoroalkylated Substances (PFAS) - Agricultural/Residential/Parkland Land Use, May 2019
- Health Canada SSV for PFAS (IL):Health Canada Soil Screening Values for Perfluoroalkylated Substances (PFAS) - Industrial Land Use, May 2019
- BC CSR RLld h:BC Contaminated Sites Regulation, Schedule 3.1 Part 2 Generic Numerical Soil Standards to Protect Human Health, Residential (Low Density)
- BC CSR RLld dw:BC Contaminated Sites Regulation, Schedule 3.1 Part 1 Numerical Soil Standards, Groundwater used for drinking water - Residential (Low Density)
- BC CSR RLld fw:BC Contaminated Sites Regulation, Schedule 3.1 Part 1 Numerical Soil Standards, Groundwater flow to surface water used by aquatic life (Freshwater) - Residential (Low Density)
- BC CSR RLld i:BC Contaminated Sites Regulation, Schedule 3.1 Part 1 Numerical Soil Standards, Intake of Contaminated Soil - Residential (Low Density)
- BC CSR RLld m:BC Contaminated Sites Regulation, Schedule 3.1 Part 1 Numerical Soil Standards, Groundwater flow to surface water used by aquatic life (Marine) - Residential (Low Density)
- BC CSR RLld t:BC Contaminated Sites Regulation, Schedule 3.1 Part 1 Numerical Soil Standards, Toxicity to soil invertebrates and plants - Residential (Low Density)

Notes:

m - metres
mbg - metres below grade
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated
- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

CCME - Canadian Council of Ministers of the Environment
PFAS - per- and polyfluoroalkylated substances
PFOS - perfluorooctane sulfonate
PFOA - perfluorooctanoate

TABLE 24: CONCRETE RINSATE - PER- AND POLYFLUOROALKYL SUBSTANCES

					PFAS															
	perfluorobutanoic acid [PFBA]	perfluorobutane sulfonic acid [PFBS]	perfluoropentanoic acid [PFPeA]	perfluoropentane sulfonic acid [PFPeS]	perfluorohexanoic acid [PFHxA]	perfluorohexane sulfonic acid [PFHxS]	perfluoroheptanoic acid [PFHpA]	perfluoroheptane sulfonic acid [PFHpS]	perfluorooctanoic acid [PFOA]	perfluorooctane sulfonic acid [PFOS]	perfluorononanoic acid [PFNA]	perfluorononane sulfonic acid [PFNS]	perfluorodecanoic acid [PFDA]	perfluorodecane sulfonic acid [PFDS]	perfluoroundecanoic acid [PFUnDA]	perfluorododecanoic acid [PFDoA]	perfluorotridecanoic acid [PFTrDA]	perfluorotetradecanoic acid [PFTeDA]	perfluorooctane sulfonamide [PFOSA]
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ECCC FEQG for PFOS										6.8										
Health Canada DW SV for other PFAS	30	15	0.2		0.2	0.6	0.2		0.2		0.02									
Health Canada GCDWQ for PFOS and PFOA									0.2	0.6										
FGQG (Eco) for PFOS (coarse)										6.8										
FGQG (Eco) for PFOS (fine)										6.8										
BC CSR DW		80							0.2	0.3										
BC CSR AWF										60										
BC CSR AWM										60										

Site Area	Sample Location	Sample Date	Sample ID																	
FFTA	CONCRETE-RINSATE	2020-Aug-11	CONCRETE-RINSATE	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

Standard/Guideline Descriptions

- ECCC FEQG for PFOS:Environment and Climate Change Canada Federal Environmental Quality Guidelines for PFOS, Surface Water (June 2018)
- Health Canada DW SV for other PFAS:Health Canada's Water Talk - Perfluoroalkylated substances in drinking water (April 2019), Drinking Water Screening Values
- Health Canada GCDWQ for PFOS and PFOA:Health Canada's Water Talk Guidelines for Canadian Drinking Water Quality for PFOS and PFOA (2018)
- FGQG (Eco) for PFOS (coarse):Federal Groundwater Quality Guideline for Perfluorooctane Sulfonate (PFOS) - Coarse grained soil, June 2018
- FGQG (Eco) for PFOS (fine):Federal Groundwater Quality Guideline for Perfluorooctane Sulfonate (PFOS) - Fine grained soil, June 2018
- BC CSR DW:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Drinking Water
- BC CSR AWF:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Freshwater Aquatic Life
- BC CSR AWM:BC Contaminated Sites Regulation, Schedule 3.2 Generic Numerical Water Standards, Marine Aquatic Life

Notes:

mbg - metres below grade
µg/L - micrograms per litre
mg/L - milligrams per litre
ns, ng - no standard or guideline listed
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected at the same location and date are blind field duplicate / parent pairs

CCME - Canadian Council of Ministers of the Environment
PFAS - per- and polyfluoroalkylated substances
PFOS - perfluorooctane sulfonate
PFOA - perfluorooctanoate
a - As outlined in Health Canada (2018), the health effects of PFOS and PFOA are similar and well documented. Consequently, Health Canada has advised that where PFOS and PFOA are found together in drinking water, the ratios of the monitoring results for PFOS and PFOA to their respective drinking water quality guidelines should be summed. Per Health Canada (2018), if the result is below or equal to one, then the water is considered safe for drinking. Science currently does not justify the use of this approach for other PFAS. This was done using the formula below:
{PFOA} / {PFOA Guideline} + {PFOS} / {PFOS Guideline} <= 1

SPENT GRANULATED ACTIVATED CARBON ANALYTICAL TABLES

CFB Comox FFTA Source Control Project

PSPC

CFB Comox, Lazo, BC

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TABLE 25: SPENT GRANULATED ACTIVATED CARBON - PETROLEUM HYDROCARBONS

				Petroleum Hydrocarbons											
				benzene	toluene	ethylbenzene	total xylenes	styrene	methyl tert-butyl ether [MTBE]	VHs6-10	VPHs	EPHs10-19	LEPHs	EPHs19-32	HEPHs
				µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit				0.013	0.13	0.025	0.04	0.075	0.25	25	25	100	100	100	100
CCME SoilQG Tier 1 CL (Coarse Soil)				**0.03**[#1]	**0.37**[#1]	**0.082**[#1]	**11**[#1]	**50**							
CCME SoilQG Tier 1 CL (Fine Soil)				**0.0068**[#2]	**0.08**[#2]	**0.018**[#2]	**2.4**[#2]	**50**							
Site Area	**Sample Location**	**Sample Date**	**Sample ID**												
FFTA	FFTA-GAC	2020-Aug-20	FFTA-GAC-20-08-2020	<0.013	<0.13	**<0.025**	<0.04	<0.075	<0.25	<25	<25	<100	<100	<100	<100

Standards / Guidelines Descriptions:

- CCME SoilQG Tier 1 CL (Coarse Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Commercial (Coarse Soil)
- CCME SoilQG Tier 1 CL (Fine Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Commercial (Fine Soil)

Standards / Guidelines Comments:

#1:Value for coarse soil and ILCR 1 in 100,000. Lower value for fine soil.
#2:Value for fine soil and ILCR of 1 in 100,000. Higher value for coarse soil.

Notes:

m - metres
mbg - metres below grade
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated
- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

CCME - Canadian Council of Ministers of the Environment
BTEX - benzene, toluene, ethylbenzene, xylenes
HSVL - headspace vapour level
MTBE - methyl tert-butyl ether
ppmv - parts per million by volume
F1 (C6-C10) - petroleum hydrocarbon fraction 1 (C_6-C_{10})
F2 (C10-C16) - petroleum hydrocarbon fraction 2 (C_{10}-C_{16})
F3 (C16-C32) - petroleum hydrocarbon fraction 3 (C_{16}-C_{32})
F4 (C32-C50) - petroleum hydrocarbon fraction 4 (C_{32}-C_{50})

TABLE 26: SPENT GRANULATED ACTIVATED CARBON - POLYCYCLIC AROMATIC HYDROCARBONS

				PAHs																		
				acenaphthylene	acenaphthene	anthracene	benz(a)anthracene	benzo(b)fluoranthene	benzo(b+j)fluoranthenes	benzo(g,h,i)perylene	benzo(k)fluoranthene	benzo(a)pyrene	chrysene	dibenz(a,h)anthracene	fluoranthene	fluorene	indeno(1,2,3-cd)pyrene	methylnaphthalene, 2-	naphthalene	phenanthrene	pyrene	light molecular weight PAHs	heavy molecular weight PAHs	PAHs (sum of total)
				µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit				0.005	0.005	0.004	0.02	0.02	0.02	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.05	0.05	0.05
CCME SoilQG Tier 1 CL (Coarse Soil)				**320[#1]**	**0.28[#1]**	**32[#2]**	**10[#3]**	**10[#3]**			**10[#3]**	**72[#2]**		**10[#3]**	**180[#2]**	**0.25[#1]**	**10[#3]**		**0.013[#4]**	**0.046[#4]**	**100[#3]**			
CCME SoilQG Tier 1 CL (Fine Soil)				**320[#1]**	**0.28[#1]**	**32[#2]**	**10[#3]**	**10[#3]**			**10[#3]**	**72[#2]**		**10[#3]**	**180[#2]**	**0.25[#1]**	**10[#3]**		**0.013[#4]**	**0.046[#4]**	**100[#3]**			
CCME SoilQG PAHs Table 1 - CL						**32[#2]**	**10[#3]**	**10[#3]**			**10[#3]**	**72[#2]**		**10[#3]**	**180[#2]**		**10[#3]**		**0.013[#4]**	**0.046[#4]**	**100[#3]**			
Site Area	**Sample Location**	**Sample Date**	**Sample ID**																					
FFTA	FFTA-GAC	2020-Aug-20	FFTA-GAC-20-08-2020	<0.005	<0.005	<0.004	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.05	<0.05	<0.05

Standards / Guidelines Descriptions:

- CCME SoilQG Tier 1 CL (Coarse Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Commercial (Coarse Soil)
- CCME SoilQG Tier 1 CL (Fine Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Commercial (Fine Soil)
- CCME SoilQG PAHs Table 1 - CL:CCME PAHs Soil Quality Guidelines for the Protection of Environment and Human Health (Table 1), Commercial

Standards / Guidelines Comments:

#1:No SQGe listed. Provisional value based on the protection of freshwater aquatic life. If impact to surface water is not a concern, see PAH Fact Sheet.
#2:Ecological receptors only, based on non-carcinogenic effects of PAHs.
#3:Ecological receptors only, based on non-carcinogenic effects of PAHs. Value based on Interim Soil Quality Criteria (CCME 1991)
#4:Ecological receptors only (freshwater aquatic life), based on non-carcinogenic effects of PAHs. If impact to surface water is not a concern, revert to 1997 provisional SQGe (see Table 2 in PAH Fact Sheet).

Notes:

m - metres
mbg - metres below grade
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated
• formatting of cells indicates exceedances of like-formatted standards
• where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
• samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs
• laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures
CCME - Canadian Council of Ministers of the Environment
PAH - polycyclic aromatic hydrocarbons
IACR (CCME Lab) - Index of Additive Cancer Risk
B[a]P TPE (Lab) - Benzo[a]pyrene Total Potency Equivalents

TABLE 27: SPENT GRANULATED ACTIVATED CARBON - VOLATILE ORGANIC COMPOUNDS

				VOCs																
				bromodichloromethane	bromoform	bromomethane	carbon tetrachloride	chlorobenzene	chloroethane	chloroform	chloromethane	dibromochloromethane [DBCM]	dibromoethane, 1,2-	dichlorobenzene, 1,2-	dichlorobenzene, 1,3	dichlorobenzene, 1,4	dichloroethane, 1,1-	dichloroethane, 1,2-	dichloroethylene, 1,1-	dichloroethylene, 1,2-cis-
				µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit				0.13	0.13	0.75	0.05	0.05	0.25	0.05	0.13	0.05	0.05	0.05	0.05	0.05	0.063	0.05	0.063	0.075
CCME SoilQG Tier 1 CL (Coarse Soil)							**50**	**10**		**50**				**10**	**10**	**10**	**50**	**50**	**50**	
CCME SoilQG Tier 1 CL (Fine Soil)							**50**	**10**		**50**				**10**	**10**	**10**	**50**	**50**	**50**	
Site Area	**Sample Location**	**Sample Date**	**Sample ID**																	
FFTA	FFTA-GAC	2020-Aug-20	FFTA-GAC-20-08-2020	<0.13	<0.13	<0.75	0.84	<0.05	<0.25	<0.05	1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.063	<0.05	<0.063	<0.075

				VOCs																
				dichloroethylene, 1,2-trans-	dichloromethane	dichloropropane, 1,2-	dichloropropene, cis-1,3-	dichloropropene, trans-1,3-	hexachlorobutadiene	tetrachloroethane, 1,1,1,2-	tetrachloroethane, 1,1,2,2-	tetrachloroethylene	trichlorobenzene, 1,2,3-	trichlorobenzene, 1,2,4-	trichloroethane, 1,1,1-	trichloroethane, 1,1,2-	trichloroethylene	trichlorofluoromethane	vinyl chloride	
				µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	
Reported Detection Limit				0.075	0.2	0.05	0.05	0.05	0.5	0.05	0.05	0.025	0.075	0.075	0.05	0.05	0.009	0.5	0.1	
CCME SoilQG Tier 1 CL (Coarse Soil)					**50**	**50**					**50**	**0.5**	**10**	**10**	**50**	**50**	**0.01**			
CCME SoilQG Tier 1 CL (Fine Soil)					**50**	**50**					**50**	**0.5**	**10**	**10**	**50**	**50**	**0.01**			
Site Area	**Sample Location**	**Sample Date**	**Sample ID**																	
FFTA	FFTA-GAC	2020-Aug-20	FFTA-GAC-20-08-2020	<0.075	<0.2	<0.05	<0.05	<0.05	<0.5	<0.05	<0.05	<0.025	<0.075	<0.075	<0.05	<0.05	<0.009	<0.5	<0.1	

Standards / Guidelines Descriptions:
- CCME SoilQG Tier 1 CL (Coarse Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Commercial (Coarse Soil)
- CCME SoilQG Tier 1 CL (Fine Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Commercial (Fine Soil)

Notes:
m - metres
mbg - metres below grade
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated
- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

CCME - Canadian Council of Ministers of the Environment
VOCs - volatile organic compounds

TABLE 28: SPENT GRANULATED ACTIVATED CARBON - METALS

Site Area	Sample Location	Sample Date	Sample ID	Metals																																Inorganics
				pH (lab)	aluminum	antimony	arsenic	barium	beryllium	bismuth	cadmium	calcium	chromium (III+VI)	cobalt	copper	iron	lead	lithium	magnesium	manganese	mercury	molybdenum	nickel	potassium	selenium	silver	sodium	strontium	thallium	tin	titanium	uranium	vanadium	zinc	zirconium	phosphorus
				pH_Units	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit					100	0.1	0.2	0.1	0.2	0.1	0.05	100	0.5	0.1	0.5	100	0.1	0.5	100	0.2	0.05	0.1	0.5	100	0.5	0.05	100	0.1	0.05	0.1	1	0.05	1	1	0.5	10
CCME SoilQG Tier 1 CL (Coarse Soil)				**6-8**		**40**	**12**	**2000**	**8**		**22**		**87**	**300**	**91**		**260**				**24**	**40**	**89**		**2.9**	**40**			**1**	**300**		**33**	**130**	**410**		
CCME SoilQG Tier 1 CL (Fine Soil)				**6-8**		**40**	**12**	**2000**	**8**		**22**		**87**	**300**	**91**		**260**				**24**	**40**	**89**		**2.9**	**40**			**1**	**300**		**33**	**130**	**410**		
FFTA	FFTA-GAC	2020-Aug-20	FFTA-GAC-20-08-2020	7.11	161	<0.1	<0.2	11.5	<0.2	<0.1	<0.05	967	<0.5	0.27	5.4	236	<0.1	<0.5	244	21.1	<0.05	<0.1	1.12	366	<0.5	<0.05	<100	8.5	<0.05	<0.1	12.4	<0.05	1.2	6.1	<0.5	120

Standards / Guidelines Descriptions:

- CCME SoilQG Tier 1 CL (Coarse Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Commercial (Coarse Soil)
- CCME SoilQG Tier 1 CL (Fine Soil):CCME Soil Quality Guidelines for the Protection of Environment and Human Health, Commercial (Fine Soil)

Notes:

m - metres
mbg - metres below grade
< - less than reported detection limit
'-' - sample not analyzed for parameter indicated
- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

CCME - Canadian Council of Ministers of the Environment

TABLE 29: SPENT GRANULATED ACTIVATED CARBON - PER- AND POLYFLUOROALKYL SUBSTANCES

				PFAS																	
				perfluorobutanoic acid [PFBA]	perfluorobutane sulfonic acid [PFBS]	perfluoropentanoic acid [PFPeA]	perfluorohexanoic acid [PFHxA]	perfluorohexane sulfonic acid [PFHxS]	perfluoroheptanoic acid [PFHpA]	perfluoroheptane sulfonic acid [PFHpS]	perfluorooctanoic acid [PFOA]	perfluorooctane sulfonic acid [PFOS]	perfluorononanoic acid [PFNA]	perfluorodecanoic acid [PFDA]	perfluorodecane sulfonic acid [PFDS]	perfluoroundecanoic acid [PFUnDA]	perfluorododecanoic acid [PFDoA]	perfluorotridecanoic acid [PFTrDA]	perfluorotetradecanoic acid [PFTeDA]	6:2 Fluorotelomer sulfonic acid [6:2 FTS]	8:2 fluorotelomer sulfonic acid [8:2 FTS]	perfluorooctane sulfonamide [PFOSA]
				µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
Reported Detection Limit				0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
FSQG (Eco) for PFOS (IL, coarse)												**0.14**										
FSQG (Eco) for PFOS (IL, fine)												**0.21**										
Site Area	**Sample Location**	**Sample Date**	**Sample ID**																			
FFTA	FFTA-GAC	9/23/2020	GAC_PAD-SPENT	0.071	0.037	0.094	0.16	0.33	0.051	<0.02	0.069	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.86	0.19	<0.02
FFTA	FFTA-GAC	9/23/2020	GAC_PAD-SPENT Lab-Dup	0.069	<0.02	0.09	0.13	0.081	0.048	<0.02	0.06	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.81	0.22	<0.02

Standards / Guidelines Descriptions:

• FSQG (Eco) for PFOS (IL, coarse):Federal Soil Quality Guideline for Perfluorooctane Sulfonate (PFOS) - Industrial (Coarse grained soil), February 2017

• FSQG (Eco) for PFOS (IL, fine):Federal Soil Quality Guideline for Perfluorooctane Sulfonate (PFOS) - Industrial (Fine grained soil), February 2017

Notes:

m - metres

mbg - metres below grade

< - less than reported detection limit

'-' - sample not analyzed for parameter indicated

• formatting of cells indicates exceedances of like-formatted standards

• where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded

• samples collected from the same location, date and depth interval are blind field duplicate / parent sample pairs

• laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures

PFAS - per- and polyfluoroalkylated substances

PFOS - perfluorooctane sulfonate

PFOA - perfluorooctanoate