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BOREHOLE RECORD — BH101

Jacques Whitford

CLIENT: HARBOUR AUTHORITY OF CANSO
LOCATION: CANSO WHARF RECONSTRUCTION, CANSO, NS
DATES: BORING: 2008/03/25 WATER LEVEL: TIDAL
PROJECT No.: 1036321
BH SIZE: HW
DATUM: CHART

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY mm	N-VALUE OR RQD %	OTHER TESTS
	0.04	FILL: Loose to compact silty sand with gravel -numerous cobbles and boulders			SS	1	75	9	
					SS	2	100	13	
					SS	3	75	6	
					SS	4	150	6	
					SS	5	100	4	
					SS	6	125	6	
	-5.76	Firm black organic silt: MARINE DEPOSIT			SS	7	150	22	
	-6.66				SS	8	300	13	
		Compact to very dense brown silty sand with gravel: TILL -occasional cobbles			SS	9	330	45	
					SS	10	400	61	
	-8.16	Very poor to fair quality grey granite: BEDROCK			HQ	11	63%	RQD 25	
					HQ	12	91%	0	
					HQ	13	100%	66	
	-11.16	End of borehole							

UNDRAINED SHEAR STRENGTH - kPa: 20 40 60 80
WATER CONTENT & ATTERBERG LIMITS: w_P w w_L
DYNAMIC PENETRATION TEST, BLOWS/0.3m: ×
STANDARD PENETRATION TEST, BLOWS/0.3m: ●
10 20 30 40 50 60 70 80 90

App'd. MUN Aug 18 2008 13:55:15

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BOREHOLE RECORD — BH102

Jacques Whitford

CLIENT: HARBOUR AUTHORITY OF CANSO
LOCATION: CANSO WHARF RECONSTRUCTION, CANSO, NS
DATES: BORING: 2008/03/24 WATER LEVEL: TIDAL
PROJECT No.: 1036321
BH SIZE: HW
DATUM: CHART

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY mm	N-VALUE OR RQD %	OTHER TESTS
	-4.80	Seafloor							
		Very soft black organic silt: MARINE DEPOSIT			SS	1	75	0	
	-6.00				SS	2	200	3	
		Compact dark brown silty sand with gravel: TILL -occasional cobbles			SS	3	350	21	
					SS	4	200	37	
					SS	5	200	24	
	-8.30				SS	6	400	46	
		Very poor to poor quality grey granite: BEDROCK			HQ	7	53%	RQD 0	
					HQ	8	100%	0	
					HQ	9	85%	26	
	-11.50				HQ	10	86%	50	
		End of Borehole							

UNDRAINED SHEAR STRENGTH - kPa: 20 40 60 80
WATER CONTENT & ATTERBERG LIMITS: w_P w w_L
DYNAMIC PENETRATION TEST, BLOWS/0.3m: ×
STANDARD PENETRATION TEST, BLOWS/0.3m: ●
10 20 30 40 50 60 70 80 90

App'd. MUN Aug 18 2008 13:55:17

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BOREHOLE RECORD — BH103

Jacques Whitford

CLIENT: HARBOUR AUTHORITY OF CANSO
LOCATION: CANSO WHARF RECONSTRUCTION, CANSO, NS
DATES: BORING: 2008/05/28 to 2008/06/03 WATER LEVEL: TIDAL
PROJECT No.: 1036321
BH SIZE: HW
DATUM: CHART

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY mm	N-VALUE OR RQD %	OTHER TESTS
	-6.88	Seafloor							
	-7.49	Very soft black organic silt: MARINE DEPOSIT			SS	1	0	wt. of rods	
		Loose to compact brown sandy SILT, trace gravel			SS	2	75	16	
					SS	3	125	12	S
					SS	4	200	6	
					SS	5	200	8	S
					SS	6	425	17	
	-10.53	Compact to dense brown silty gravel with sand: TILL -occasional cobbles			SS	7	500	29	S
					SS	8	200	28	
					SS	9	275	41	
	-12.87	Poor to good quality grey granite: BEDROCK			HQ	10	92%	RQD 50	
					HQ	11	100%	90	
					HQ	12	100%	79	
					HQ	13	100%	30	
	-15.87	End of Borehole							

UNDRAINED SHEAR STRENGTH - kPa: 20 40 60 80
WATER CONTENT & ATTERBERG LIMITS: w_P w w_L
DYNAMIC PENETRATION TEST, BLOWS/0.3m: ×
STANDARD PENETRATION TEST, BLOWS/0.3m: ●
10 20 30 40 50 60 70 80 90

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BOREHOLE RECORD — BH105

Jacques Whitford

CLIENT: HARBOUR AUTHORITY OF CANSO
LOCATION: CANSO WHARF RECONSTRUCTION, CANSO, NS
DATES: BORING: 2008/05/30 to 2008/05/30 WATER LEVEL: TIDAL
PROJECT No.: 1036321
BH SIZE: HW
DATUM: CHART

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY mm	N-VALUE OR RQD %	OTHER TESTS
	-6.97	Seafloor							
	-7.38	Very soft black organic silt: MARINE DEPOSIT			SS	1	0	9	
		Compact to dense grey/brown sandy SILT with gravel			SS	2	50	10	
	-8.65				SS	3	375	46	
		Compact to very dense brown silty sand with gravel to silty gravel with sand: TILL -occasional cobbles			~~SS~~	~~4~~	~~250~~	~~50/25mm~~	
					HQ	5	375		
					SS	6	225	40	
					SS	7	250	34	S
					SS	8	175	41	
					SS	9	200	29	
					SS	10	225	60	
					SS	11	225	68	S
					~~SS~~	~~12~~	~~0~~	~~50/25mm~~	
					HQ	13	275		
	-15.07				SS	14	400	90/200mm	
		Very poor quality dark grey slate: BEDROCK			HQ	15	16%	RQD 0	
					HQ	16	67%	7	
					HQ	17	46%	11	
	-18.25	End of Borehole							

UNDRAINED SHEAR STRENGTH - kPa: 20 40 60 80
WATER CONTENT & ATTERBERG LIMITS: w_P w w_L
DYNAMIC PENETRATION TEST, BLOWS/0.3m: ×
STANDARD PENETRATION TEST, BLOWS/0.3m: ●
10 20 30 40 50 60 70 80 90

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Fisheries and Oceans Canada / Pêches et Océans Canada
Small Craft Harbours Maritimes/Gulf Region / Ports pour Petite Bateaux Région des Maritimes/Golfe

SHM
INNOVATIVE ENGINEERING AND DESIGN
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REGISTERED PROFESSIONAL ENGINEER — PROVINCE OF NOVA SCOTIA — V. L. Vickery — 11264

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drawing / dessin: BOREHOLE LOGS

designed / conçu: V.L.
date: JAN. 2019
drawn / dessiné: M.M.
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