BORING NUMBER BH-01
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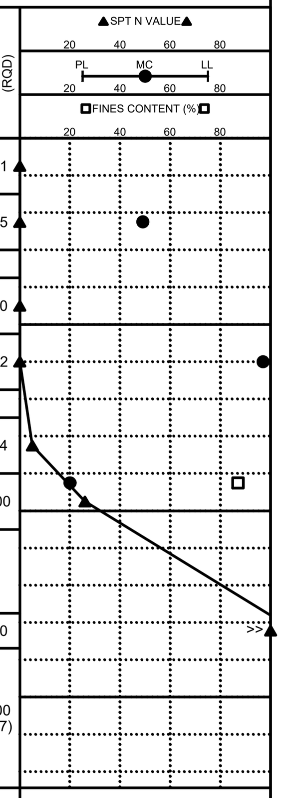
WSP Canada Inc.
1 Spectacle Lake Drive
Dartmouth, Nova Scotia B3B 1X7
Telephone: 1 (902) 835-9955

CLIENT Department of Fisheries and Oceans
PROJECT NAME Skinner's Pond Bridge
PROJECT NUMBER 171-13488
PROJECT LOCATION Stomping Tom Lane, Skinner's Pond, PEI
DATE STARTED 11/2/17 COMPLETED 11/2/17
GROUND ELEVATION 0.63 m HOLE SIZE 125
DRILLING CONTRACTOR Logan Geotech Drilling Inc.
GROUND WATER LEVELS:
DRILLING METHOD CME-55 All-Terrain Drill Rig
AT TIME OF DRILLING ---
LOGGED BY M. Mazerolle CHECKED BY C. Rogers
AT END OF DRILLING ---
NOTES Depth to bottom from Concrete deck : 2.025 m
AFTER DRILLING ---

ELEVATION (m)	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	RECOVERY % (RQD)
0.63	High organic content silt, some sand, black to reddish brown, saturated, very soft.	SS 1	0-0-0-0 (0)	21
		SS 2	0-0-0-0 (0)	25
-0.72	OL : Low plasticity sandy silt, some clay and shells, grey, saturated, very soft.	SS 3	0-0-0-0 (0)	50
		SS 4	0-0-0-0 (0)	42
-2.67	TILL (CL) : sandy lean clay, with gravel to soft mudstone, reddish brown, saturated to moist, compact to very dense.	SS 5	0-1-4-6 (5)	54
		SS 6	8-10-16-17 (26)	100
		SS 7	54-28-50/0.08	80
-4.77	SILTSTONE : red-maroon siltstone/mudstone, fractured, weathered near surface. UCS = 17.4 MPa	RC 1		100 (87)
-6.345	End of borehole in siltstone/mudstone. Groundwater was not identified at the time of the investigation. *Approximate elevations taken from sounding data and benchmark of 2.03 metres provided by Fisheries and Oceans Canada, Dated June 21, 2017.			



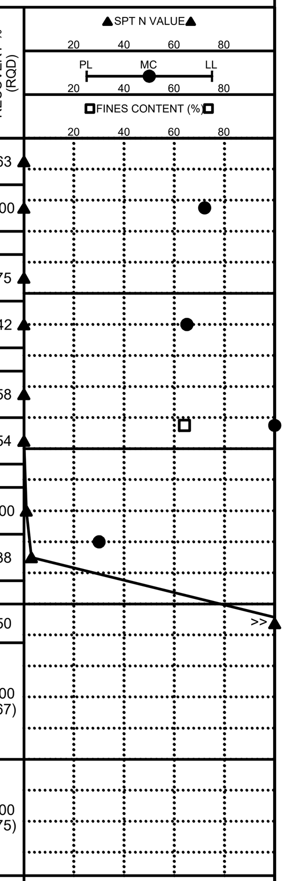
GEOTECH BH (N-VALUES) 171-13488_SKINNERSPOND_BH_LOGS.GPJ WSP_STANDARD_OCT2017.GDT 12/13/17

BORING NUMBER BH-03
PAGE 1 OF 1

WSP Canada Inc.
1 Spectacle Lake Drive
Dartmouth, Nova Scotia B3B 1X7
Telephone: 1 (902) 835-9955

CLIENT Department of Fisheries and Oceans
PROJECT NAME Skinner's Pond Bridge
PROJECT NUMBER 171-13488
PROJECT LOCATION Stomping Tom Lane, Skinner's Pond, PEI
DATE STARTED 11/3/17 COMPLETED 11/3/17
GROUND ELEVATION 0.63 m HOLE SIZE 125
DRILLING CONTRACTOR Logan Geotech Drilling Inc.
GROUND WATER LEVELS:
DRILLING METHOD CME-55 All-Terrain Drill Rig
AT TIME OF DRILLING ---
LOGGED BY M. Mazerolle CHECKED BY C. Rogers
AT END OF DRILLING ---
NOTES Depth to bottom from Concrete deck : 2.025 m
AFTER DRILLING ---

ELEVATION (m)	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	RECOVERY % (RQD)
0.63	High organic content silt, some sand, black to reddish brown, saturated, very soft,	SS 1	0-0-0-0 (0)	63
		SS 2	0-0-0-0 (0)	100
		SS 3	0-0-0-0 (0)	75
-1.47	OL : Low plasticity sandy silt, some clay and shells, brown to reddish brown, saturated, very soft.	SS 4	0-0-0-0 (0)	42
		SS 5	0-0-0-0 (0)	58
-2.67	OL : Low plasticity sandy silt, some clay and shells, grey, saturated, very soft.	SS 6	0-0-0-0 (0)	54
		SS 7	0-0-1-1 (1)	100
-4.17	TILL (CL) : sandy lean clay, with gravel to soft mudstone, reddish brown, saturated to moist, very soft to hard.	SS 8	0-1-2-3 (3)	38
		SS 9	15-23-40-50/0.05	50
-5.87	SILTSTONE : red-maroon siltstone/mudstone, fractured, weathered near surface, UCS = 21.3 MPa	RC 1		100 (67)
		RC 2		100 (75)
-8.87	End of borehole in siltstone/mudstone. Groundwater was not identified at the time of the investigation. *Approximate elevations taken from sounding data and benchmark of 2.03 metres provided by Fisheries and Oceans Canada, Dated June 21, 2017.			



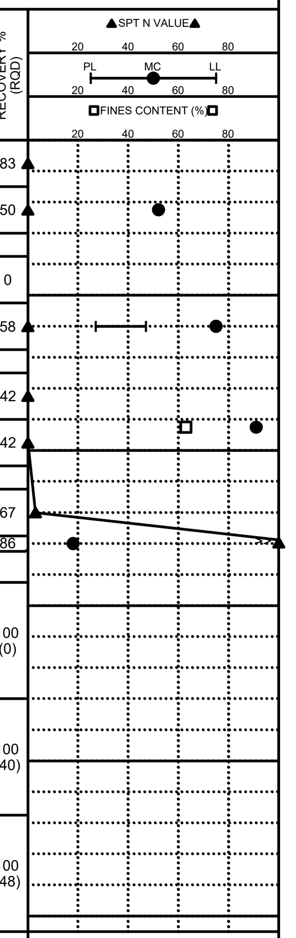
GEOTECH BH (N-VALUES) 171-13488_SKINNERSPOND_BH_LOGS.GPJ WSP_STANDARD_OCT2017.GDT 12/13/17

BORING NUMBER BH-02
PAGE 1 OF 1

WSP Canada Inc.
1 Spectacle Lake Drive
Dartmouth, Nova Scotia B3B 1X7
Telephone: 1 (902) 835-9955

CLIENT Department of Fisheries and Oceans
PROJECT NAME Skinner's Pond Bridge
PROJECT NUMBER 171-13488
PROJECT LOCATION Stomping Tom Lane, Skinner's Pond, PEI
DATE STARTED 11/3/17 COMPLETED 11/3/17
GROUND ELEVATION 0.73 m HOLE SIZE 125
DRILLING CONTRACTOR Logan Geotech Drilling Inc.
GROUND WATER LEVELS:
DRILLING METHOD CME-55 All-Terrain Drill Rig
AT TIME OF DRILLING ---
LOGGED BY M. Mazerolle CHECKED BY C. Rogers
AT END OF DRILLING ---
NOTES Depth to bottom from Concrete deck : 2.025 m
AFTER DRILLING ---

ELEVATION (m)	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	RECOVERY % (RQD)
0.73	High organic content silt, some sand, black to reddish brown, saturated, very soft,	SS 1	0-0-0-0 (0)	83
		SS 2	0-0-0-0 (0)	50
		SS 3		0
-1.07	OL : Low plasticity sandy silt, some clay and shells, brown to reddish brown, saturated, very soft.	SS 4	0-0-0-0 (0)	58
-2.12	OL : Low plasticity sandy silt, some clay and shells, grey, saturated, very soft.	SS 5	0-0-0-0 (0)	42
		SS 6	0-0-0-0 (0)	42
-4.07	TILL (CL) : sandy lean clay, with gravel to soft mudstone, reddish brown, saturated to moist, firm to hard.	SS 7	0-1-2-3 (3)	67
-4.52	SILTSTONE : red-maroon siltstone/mudstone, fractured, weathered near surface, UCS = 3.1 MPa; UCS = 16.9 MPa	SS 8	2-50/0.03	86
		RC 1		100 (0)
		RC 2		100 (40)
		RC 3		100 (48)
-9.47	End of borehole in siltstone/mudstone. Groundwater was not identified at the time of the investigation. *Approximate elevations taken from sounding data and benchmark of 2.03 metres provided by Fisheries and Oceans Canada, Dated June 21, 2017.			



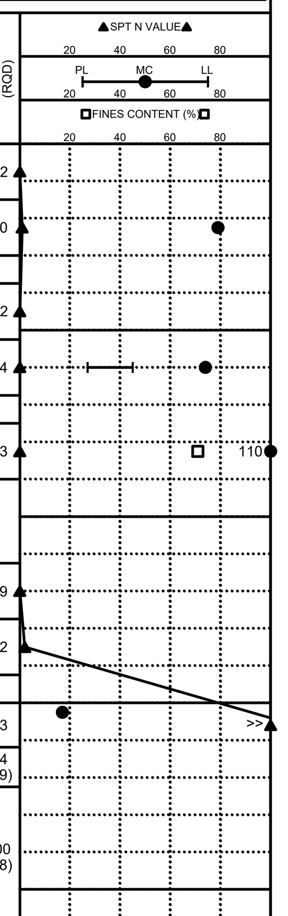
GEOTECH BH (N-VALUES) 171-13488_SKINNERSPOND_BH_LOGS.GPJ WSP_STANDARD_OCT2017.GDT 12/13/17

BORING NUMBER BH-04
PAGE 1 OF 1

WSP Canada Inc.
1 Spectacle Lake Drive
Dartmouth, Nova Scotia B3B 1X7
Telephone: 1 (902) 835-9955

CLIENT Department of Fisheries and Oceans
PROJECT NAME Skinner's Pond Bridge
PROJECT NUMBER 171-13488
PROJECT LOCATION Stomping Tom Lane, Skinner's Pond, PEI
DATE STARTED 11/3/17 COMPLETED 11/4/17
GROUND ELEVATION 0.73 m HOLE SIZE 125
DRILLING CONTRACTOR Logan Geotech Drilling Inc.
GROUND WATER LEVELS:
DRILLING METHOD CME-55 All-Terrain Drill Rig
AT TIME OF DRILLING ---
LOGGED BY M. Mazerolle CHECKED BY C. Rogers
AT END OF DRILLING ---
NOTES Depth to bottom from Concrete deck : 2.025 m
AFTER DRILLING ---

ELEVATION (m)	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	RECOVERY % (RQD)
0.73	High organic content silt, some sand, black to reddish brown, saturated, very soft,	SS 1	0-0-0-0 (0)	42
		SS 2	0-1-0-0 (1)	50
		SS 3	0-0-0-0 (0)	42
-1.67	OL : Low plasticity sandy silt, some clay and shells, brown to reddish brown, saturated, very soft.	SS 4	0-0-0-0 (0)	54
-2.12	OL : Low plasticity sandy silt, some clay and shells, grey, saturated, very soft.	SS 5	0-0-0-0 (0)	63
		VA 1		
		SS 6	0-0-0-0 (0)	79
		SS 7	0-1-1-1 (2)	92
-4.67	TILL (CL) : sandy lean clay, with gravel to soft mudstone, reddish brown, saturated to moist, very soft to very stiff.	SS 8	8-9-15-50/0.03	63
-5.67	SILTSTONE : red-maroon siltstone/mudstone, fractured, weathered near surface,	RC 1		94 (59)
		RC 2		100 (68)
-7.67	End of borehole in siltstone/mudstone. Groundwater was not identified at the time of the investigation. *Approximate elevations taken from sounding data and benchmark of 2.03 metres provided by Fisheries and Oceans Canada, Dated June 21, 2017.			



GEOTECH BH (N-VALUES) 171-13488_SKINNERSPOND_BH_LOGS.GPJ WSP_STANDARD_OCT2017.GDT 12/13/17

BORING NUMBER BH-05
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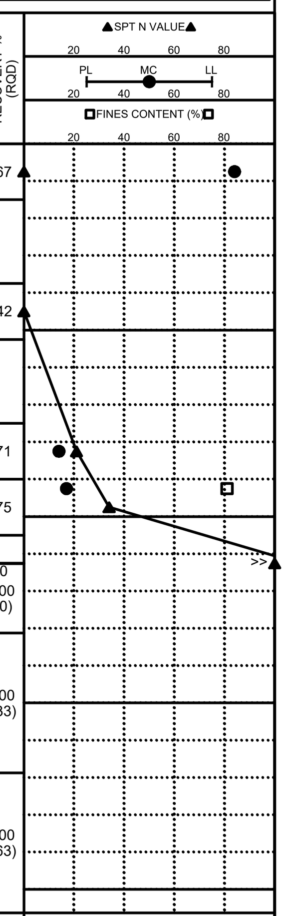
WSP Canada Inc.
1 Spectacle Lake Drive
Dartmouth, Nova Scotia B3B 1X7
Telephone: 1 (902) 835-9955

CLIENT Department of Fisheries and Oceans
PROJECT NAME Skinner's Pond Bridge
PROJECT NUMBER 171-13488
PROJECT LOCATION Stomping Tom Lane, Skinner's Pond, PEI
DATE STARTED 11/4/17 COMPLETED 11/4/17
GROUND ELEVATION 0.63 m HOLE SIZE 125
DRILLING CONTRACTOR Logan Geotech Drilling Inc.
GROUND WATER LEVELS:
DRILLING METHOD CME-55 All-Terrain Drill Rig
AT TIME OF DRILLING ---
LOGGED BY M. Mazerolle CHECKED BY C. Rogers
AT END OF DRILLING ---
NOTES Depth to bottom from Concrete deck : 2.025 m
AFTER DRILLING ---

ELEVATION (m)	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	RECOVERY % (RQD)
0.63	High organic content silt, some sand, black to reddish brown, saturated, very soft,	SS 1	0-0-0-0 (0)	67
		SS 2	0-0-0-0 (0)	42
-1.62	OL : Low plasticity sandy silt, some clay and shells, brown to reddish brown, saturated, very soft.			
-2.37	TILL (CL) : sandy lean clay, with gravel to soft mudstone, reddish brown, saturated to moist, very stiff to hard.	SS 3	10-9-12-14 (21)	71
		SS 4	17-17-17-8 (34)	75
		SS 5	50/0.01	0
		RC 1		100 (0)
		RC 2		100 (33)
-5.77	SILTSTONE : red-maroon siltstone/mudstone, fractured, weathered near surface,	RC 3		100 (63)
-7.62	End of borehole in siltstone/mudstone. Groundwater was not identified at the time of the investigation. *Approximate elevations taken from sounding data and benchmark of 2.03 metres provided by Fisheries and Oceans Canada, Dated June 21, 2017.			



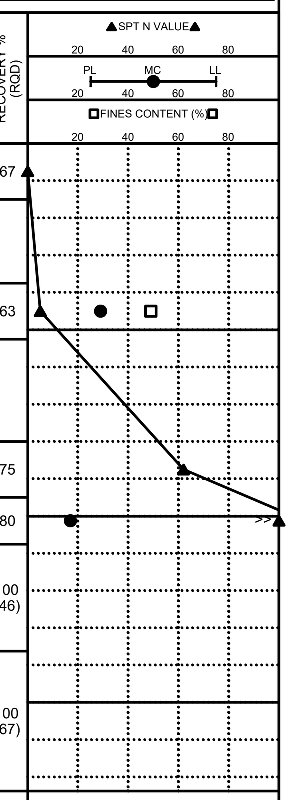
GEOTECH BH (N-VALUES) 171-13488_SKINNERSPOND_BH_LOGS.GPJ WSP_STANDARD_OCT2017.GDT 12/13/17

BORING NUMBER BH-06
PAGE 1 OF 1

WSP Canada Inc.
1 Spectacle Lake Drive
Dartmouth, Nova Scotia B3B 1X7
Telephone: 1 (902) 835-9955

CLIENT Department of Fisheries and Oceans
PROJECT NAME Skinner's Pond Bridge
PROJECT NUMBER 171-13488
PROJECT LOCATION Stomping Tom Lane, Skinner's Pond, PEI
DATE STARTED 11/4/17 COMPLETED 11/4/17
GROUND ELEVATION 0.73 m HOLE SIZE 125
DRILLING CONTRACTOR Logan Geotech Drilling Inc.
GROUND WATER LEVELS:
DRILLING METHOD CME-55 All-Terrain Drill Rig
AT TIME OF DRILLING ---
LOGGED BY M. Mazerolle CHECKED BY C. Rogers
AT END OF DRILLING ---
NOTES Depth to bottom from Concrete deck : 2.025 m
AFTER DRILLING ---

ELEVATION (m)	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	RECOVERY % (RQD)
0.73	High organic content silt, some sand, black to reddish brown, saturated, very soft,	SS 1	0-0-0-0 (0)	67
0.03	silty clayey sand, trace gravel, loose, wet, reddish-brown.	SS 2	1-1-4-5 (5)	63
-1.07	TILL (CL) : sandy lean clay, with gravel to soft mudstone, reddish brown, saturated to moist, stiff to hard.	SS 3	19-33-29-15 (62)	75
		SS 4	21-22-24-50/0.05	80
-3.47	SILTSTONE : red-maroon siltstone/mudstone, fractured, weathered near surface, UCS = 34.8 MPa	RC 1		100 (46)
		RC 2		100 (67)
-6.22	End of borehole in siltstone/mudstone. Groundwater was not identified at the time of the investigation. *Approximate elevations taken from sounding data and benchmark of 2.03 metres provided by Fisheries and Oceans Canada, Dated June 21, 2017.			



GEOTECH BH (N-VALUES) 171-13488_SKINNERSPOND_BH_LOGS.GPJ WSP_STANDARD_OCT2017.GDT 12/13/17

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

THE ASSOCIATION OF PROFESSIONAL ENGINEERS OF THE PROVINCE OF PRINCE EDWARD ISLAND
VALID FOR THE YEAR 2021
Vidyadhar Limaye
No. 1622
DATE: Dec. 10, 2021
LICENSED PROFESSIONAL ENGINEER PROVINCE OF PRINCE EDWARD ISLAND

Digitally signed by Vidyadhar Limaye DN: cn=Vidyadhar Limaye, c=CA, o=SHM Canada Consulting Limited, email=vidyalimaye@shmcanada.com Date: 2021.12.10 14:04:22 -04'00'

revisions		date
0	ISSUED FOR TENDER	DEC 10 2021

project / projet
WHARF CONSTRUCTION 411 AND 412 SKINNERS POND SCH PRINCE COUNTY PRINCE EDWARD ISLAND

drawing / dessin
BOREHOLE LOGS

designed / conçu P.V.
date AUG. 2021
drawn / dessiné A.D.
date OCT. 1, 2021
approved / approuvé V.L.
date
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC
project number / no. du projet **R.118006.001**
drawing no. / no. du dessin **S20**

E-DRM/GDD-E: 553373v1