BOREHOLE LOGS

GEMTEC LIMITED – Ground Engineering & Materials Technology – Fredericton, Moncton, Bathurst, Grand-Sault, N.B. Canada

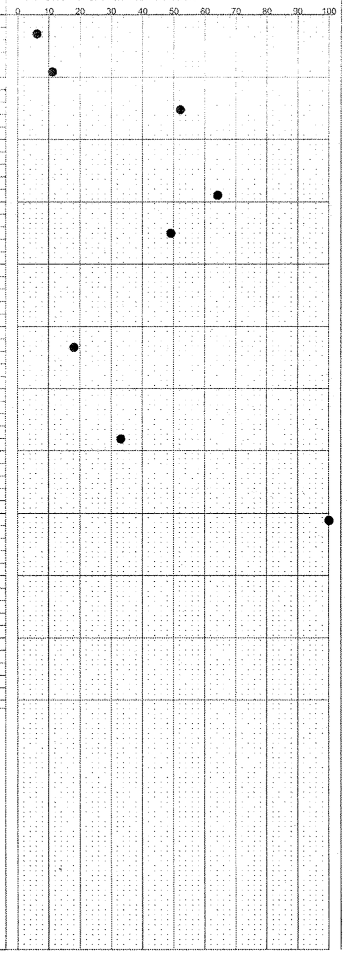
Borehole 1

Client	Public Works and Governement Services Canada	Proj No.	6489.34
Project	Geotechncial Investigation - Le Goulet Wharf	Date Drilled	18.Oct.2013
Location	Le Goulet, New Brunswick	BOREHOLE	1 – Page 1 of 1
Ground Level, m	-1.91	Datum: Chart	Logged By TDS

No	TYPE	N (RQD)	REC (mm)
1	S	6	0
2	S	11	100
3	S	52	0
4	S	64	270
5	S	49	340
6	HQ	0	410
7	S	18	410
8	HQ	0	150
9	S	33	300
10	HQ	0	100
11	S	100+	100
12	HQ	0	1320
13	HQ	0	910

Description	Depth (m)	Elevation (m)
Grey silt and sand with some crushed rock FILL	1.22	-3.13
Reddish brown SAND with trace silt, gravel and organics.	2.59	-4.50
Reddish brown highly weathered to weathered SANDSTONE BEDROCK	11.13	-13.04

End of borehole at 11.13 metres.



GEOTG 6489.34.GPJ GEMTEC 2004.GDT 10/24/13

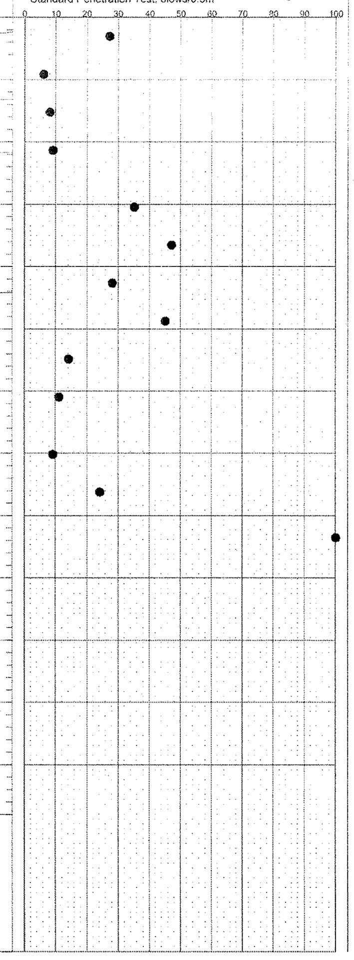
Borehole 2

Client	Public Works and Governement Services Canada	Proj No.	6489.34
Project	Geotechncial Investigation - Le Goulet Wharf	Date Drilled	16.Oct.2013
Location	Le Goulet, New Brunswick	BOREHOLE	2 – Page 1 of 1
Ground Level, m	-1.11	Datum: Chart	Logged By TDS

No	TYPE	N (RQD)	REC (mm)
1	S	27	390
2	S	6	360
3	S	8	360
4	S	9	610
5	S	35	300
6	S	47	400
7	S	28	440
8	S	45	510
9	S	14	510
10	S	11	240
11	S	9	300
12	S	24	430
13	HQ	0	250
14	S	100+	200
15	HQ	0	640
16	HQ	0	150
17	HQ	0	1140

Description	Depth (m)	Elevation (m)
Black SILT with trace sand and organics.	0.24	-1.35
Grey brown coarse SILT trace gravel and organics.	1.32	-2.43
Reddish brown SAND with trace silt, gravel and organics.	2.17	-3.28
Reddish brown silty sand, some gravel and sandstone cobbles with trace clay (GLACIAL TILL)	4.42	-5.53
Reddish brown highly weathered to weathered SANDSTONE BEDROCK - Bedrock was noted to become more competent at 7.67 metres.	12.80	-13.91

End of borehole at 12.80 metres.



GEOTG 6489.34.GPJ GEMTEC 2004.GDT 10/24/13

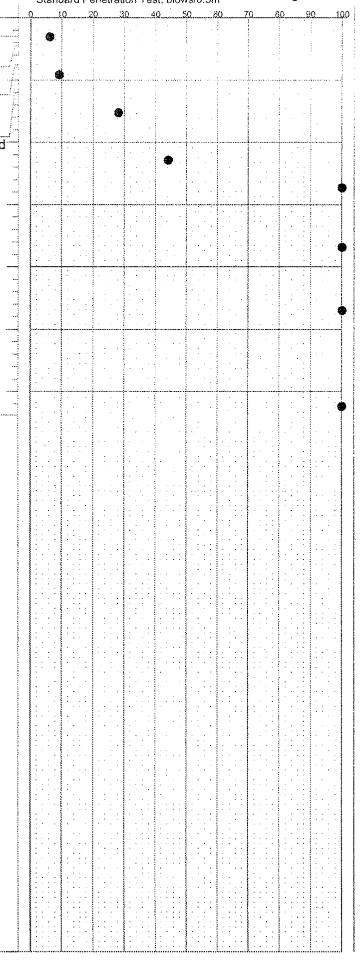
Borehole 3

Client	Public Works and Governement Services Canada	Proj No.	6489.34
Project	Geotechncial Investigation - Le Goulet Wharf	Date Drilled	16.Oct.2013
Location	Le Goulet, New Brunswick	BOREHOLE	3 – Page 1 of 1
Ground Level, m	-1.38	Datum: Chart	Logged By TDS

No	TYPE	N (RQD)	REC (mm)
1	S	6	600
2	S	9	300
3	S	28	390
4	S	44	310
5	S	100+	300
6	HQ	0	50
7	S	100+	310
8	HQ	0	0
9	S	100+	335
10	HQ	0	150
11	S	100+	150

Description	Depth (m)	Elevation (m)
Black SILT with trace sand and organics.	0.30	-1.68
Grey brown coarse SILT trace gravel and organics.	0.45	-1.83
Reddish brown SAND with trace silt, gravel and organics.	0.76	-2.14
Reddish brown silty sand, some gravel and sandstone cobbles with trace clay (GLACIAL TILL)	1.22	-2.60
Reddish brown highly weathered to weathered SANDSTONE BEDROCK	6.38	-7.76

End of borehole at 6.38 metres



GEOTG 6489.34.GPJ GEMTEC 2004.GDT 10/24/13

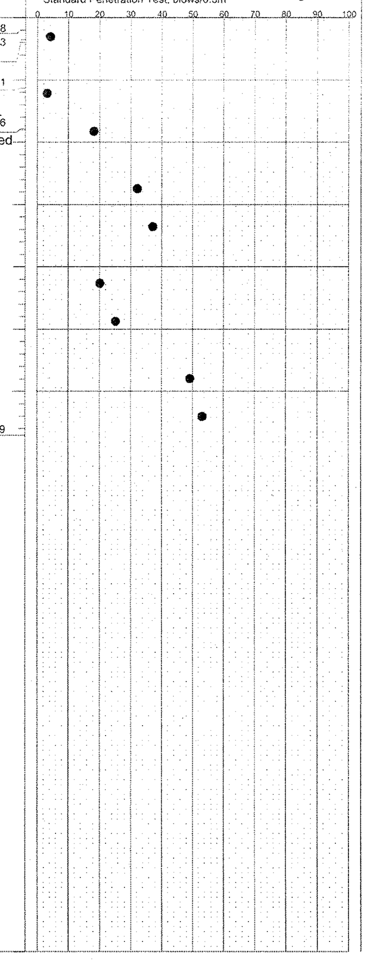
Borehole 4

Client	Public Works and Governement Services Canada	Proj No.	6489.34
Project	Geotechncial Investigation - Le Goulet Wharf	Date Drilled	16.Oct.2013
Location	Le Goulet, New Brunswick	BOREHOLE	4 – Page 1 of 1
Ground Level, m	-1.28	Datum: Chart	Logged By TDS

No	TYPE	N (RQD)	REC (mm)
1	S	4	450
2	S	3	460
3	S	18	400
4	S	32	410
5	S	37	310
6	S	20	420
7	S	25	400
8	S	49	440
9	S	53	390

Description	Depth (m)	Elevation (m)
Black SILT with trace sand and organics.	0.20	-1.48
Grey brown coarse SILT trace gravel and organics.	0.35	-1.63
Reddish brown SAND with trace silt, gravel and organics.	1.13	-2.41
Reddish brown silty sand, some gravel and sandstone cobbles with trace clay (GLACIAL TILL)	1.78	-3.06
Reddish brown highly weathered to weathered SANDSTONE BEDROCK	6.71	-7.99

End of borehole at 6.71 metres.



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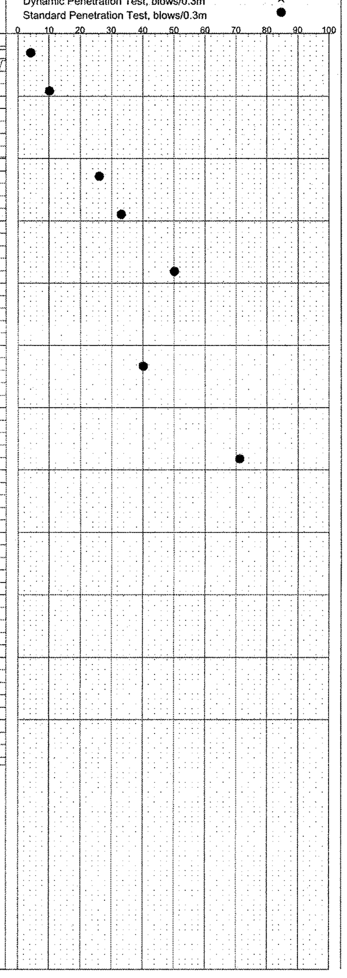
Borehole 5

Client	Public Works and Governement Services Canada	Proj No.	6489.34
Project	Geotechncial Investigation - Le Goulet Wharf	Date Drilled	17.Oct.2013
Location	Le Goulet, New Brunswick	BOREHOLE	5 – Page 1 of 1
Ground Level, m	-0.89	Datum: Chart	Logged By TDS

No	TYPE	N (RQD)	REC (mm)
1	S	4	570
2	S	10	0
3	S	26	500
4	S	33	400
5	S	50	330
6	S	40	440
7	S	71	400
8	HQ	0	450
9	HQ	0	860
10	HQ	0	1400

Description	Depth (m)	Elevation (m)
Black SILT with trace sand and organics.	0.25	-1.14
Grey brown coarse SILT trace gravel and organics.	0.43	-1.32
Reddish brown SAND with trace silt, gravel and organics.	1.98	-2.87
Reddish brown highly weathered to weathered SANDSTONE BEDROCK	11.73	-12.62

End of borehole at 11.73 metres.



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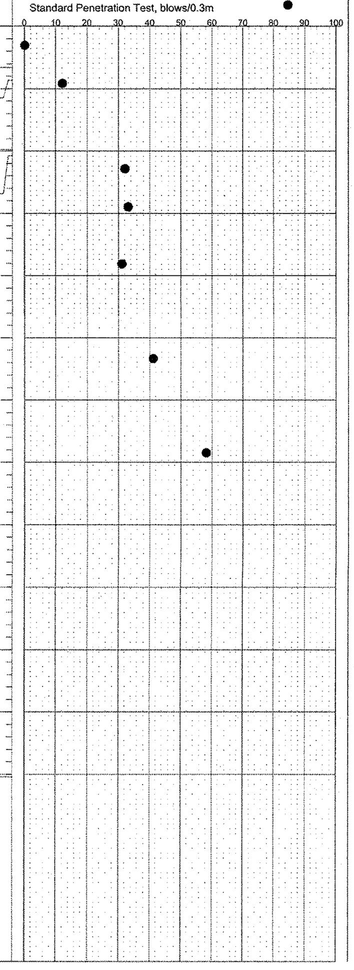
Borehole 6

Client	Public Works and Governement Services Canada	Proj No.	6489.34
Project	Geotechncial Investigation - Le Goulet Wharf	Date Drilled	17.Oct.2013
Location	Le Goulet, New Brunswick	BOREHOLE	6 – Page 1 of 1
Ground Level, m	-0.96	Datum: Chart	Logged By TDS

No	TYPE	N (RQD)	REC (mm)
1	S	0	50
2	S	12	150
3	S	32	410
4	S	33	360
5	S	31	510
6	S	41	500
7	S	58	540
8	HQ	0	810
9	HQ	0	810
10	HQ	0	1020

Description	Depth (m)	Elevation (m)
Black SILT with trace sand and organics.	0.66	-1.62
Grey brown coarse SILT trace gravel and organics.	0.86	-1.82
Reddish brown SAND with trace silt, gravel and organics.	1.98	-2.94
Reddish brown silty sand, some gravel and sandstone cobbles with trace clay (GLACIAL TILL)	2.08	-3.04
Reddish brown highly weathered to weathered SANDSTONE BEDROCK	12.04	-13.00

End of borehole at 12.04 metres.



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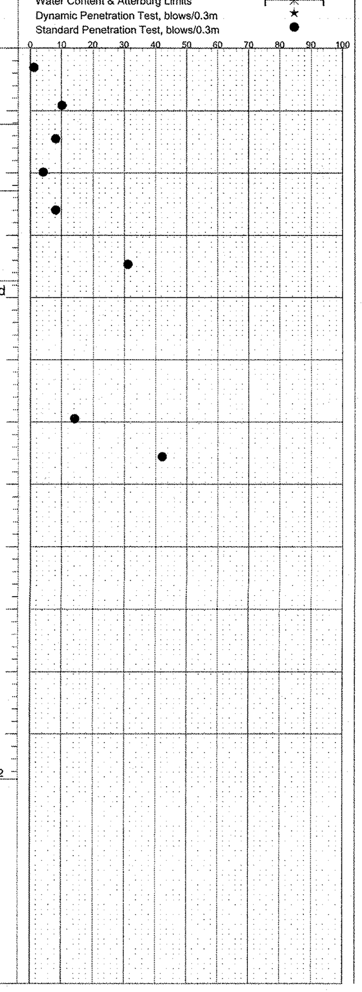
Borehole 7

Client	Public Works and Governement Services Canada	Proj No.	6489.34
Project	Geotechncial Investigation - Le Goulet Wharf	Date Drilled	17.Oct.2013
Location	Le Goulet, New Brunswick	BOREHOLE	7 – Page 1 of 1
Ground Level, m	-1.09	Datum: Chart	Logged By TDS

No	TYPE	N (RQD)	REC (mm)
1	S	1	610
2	S	10	400
3	S	8	50
4	S	4	430
5	S	8	170
6	S	31	100
7	HQ	0	580
8	S	14	390
9	S	42	410
10	HQ	0	250
11	HQ	0	580
12	HQ	0	410
13	HQ	0	760

Description	Depth (m)	Elevation (m)
Black SILT with trace sand and organics.	1.22	-2.31
Reddish brown SAND with trace silt, gravel and organics.	2.29	-3.38
Reddish brown silty sand, some gravel and sandstone cobbles with trace clay (GLACIAL TILL)	3.73	-4.82
Reddish brown highly weathered to weathered SANDSTONE BEDROCK	11.73	-12.82

End of borehole at 11.73 metres.



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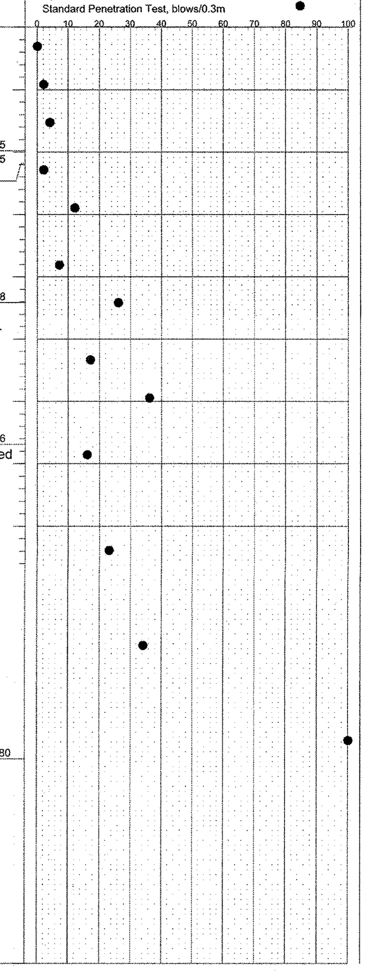
Borehole 8

Client	Public Works and Governement Services Canada	Proj No.	6489.34
Project	Geotechncial Investigation - Le Goulet Wharf	Date Drilled	17.Oct.2013
Location	Le Goulet, New Brunswick	BOREHOLE	8 – Page 1 of 1
Ground Level, m	-1.07	Datum: Chart	Logged By TDS

No	TYPE	N (RQD)	REC (mm)
1	S	0	610
2	S	2	610
3	S	4	600
4	S	2	270
5	S	12	410
6	S	7	280
7	S	26	610
8	S	17	540
9	S	36	420
10	S	16	490
11	S	23	400
12	S	34	300
13	S	100+	340

Description	Depth (m)	Elevation (m)
Black SILT with trace sand and organics.	1.98	-3.05
Grey brown coarse SILT trace gravel and organics.	2.18	-3.25
Reddish brown SAND with trace silt, gravel and organics.	4.41	-5.48
Reddish brown silty sand, some gravel and sandstone cobbles with trace clay (GLACIAL TILL)	6.69	-7.76
Reddish brown highly weathered to weathered SANDSTONE BEDROCK	11.73	-12.80

End of borehole at 11.73 metres.



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

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revisions		date
01	ISSUED FOR TENDER/APPEL D'OFFRES	DEC. 10 2014

project / projet

TRAINING WALL RECONSTRUCTION
RECONSTRUCTION DU MUR DE DIRECTION
STRUCTURE 302 &304
LE GOULET, NB

drawing / dessin

BOREHOLES
TROUS DE FORAGE

designed / conçu	R. VALE	date 2014.12.10
drawn / dessiné	P.LEBLANC	date DECEMBER/DECEMBRE 2014
approved / approuvé	JMC	date 2014.12.10
Tender / Soumission	PWGSC Project Manager / Administrateur de projets TPSGC	2014/12/11

project number / no. du projet: **R.044301.001**

drawing no. / no. du dessin: **M20 of/de M21**

E-DRM/GDD-E: 458248 Version 1

PWGSC B1 (2004)

0 10 20mm 40 60 80 100 120 140 160 180 200mm