
Public Works and Government Services Canada

New Marginal Wharf

Newellton

Shelburne County, N.S.

Project No. R.064747.001

Appendix "A"

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Appendix "A" - Borehole Logs

Project: Marine Geotechnical Investigations

Log of Geotech Borehole: 9A

Location: Newellton, NS

Client: Public Works Government Services Canada

Project No: 692

Drilling Supervisor: Sean MacDonnell

Date: March 11, 2006

SUBSURFACE PROFILE				SAMPLE					Standard Penetration Test "N" Value per 300 mm			
Depth below LNT	Symbol	Geologic Description	Elevation (m)	Sample Type	Sample No.	"N" Value	Recovery (%)	RQD (%)	20	40	60	80
0		0 m LNT	0									
1												
2												
3												
4												
5		Harbour Bottom	-1.74									
6		Split spoon sand under its own weight	-2.02									
7		SPT: 3/8/10/15 Organics and silty sand	-2.63	SS	1	18	42					
8		SPT: 24/32/69/50 Silty sand and gravel	-3.04	SS	2	101	100					
9												
10		Cobbles	-3.56									
11		SPT: 25/14/10/10 Silty sand and gravel	-4.17	SS	3	24	54					
12												
13		SPT: 5/17/18/10 Silty sand and gravel	-4.83	SS	4	35	100					
14												
15		Cobbles	-5.34									
16		SPT: 12/6/15/50 Silty sand and gravel	-5.9	SS	5	21	58					
17												
18		Cobbles	-6.36									
19												
20												
21												
22				RC	1		98	91				
23												
24												
25												
26							47					



Fracflow Consultants Inc.
2 Fielding Ave, Suite D
Dartmouth, NS B3B 1E1
Phone: (902) 468-1317
Fax: (902) 468-4704

Drilling Method: NW Casing/ NBQ Coring

Driller: Logan Geotech

Datum: 0 m LNT

Sheet: 1 of 2

Project: Marine Geotechnical Investigations

Log of Geotech Borehole: 9A

Location: Newellton, NS

Client: Public Works Government Services Canada

Project No: 692

Drilling Supervisor: Sean MacDonnell

Date: March 11, 2006

SUBSURFACE PROFILE				SAMPLE					Standard Penetration Test "N" Value per 300 mm			
Depth below LNT	Symbol	Geologic Description	Elevation (m)	Sample Type	Sample No.	"N" Value	Recovery (%)	RQD (%)	20	40	60	80
									27		Granitic (?) Bedrock	
28		RC	3		100	90						
29	9											
30												
31												
32												
33	10		-10.1									
34		End of Borehole										
35												
36	11											
37												
38												
39	12											
40												
41												
42	13											
43												
44												
45	14											
46												
47	15											
48												
49												
50												
51												
52												



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Drilling Method: NW Casing/ NBQ Coring

Driller: Logan Geotech

Datum: 0 m LNT

Sheet: 2 of 2

Project: Marine Geotechnical Investigations

Log of Geotech Borehole: BH10

Location: Newellton, NS

Client: Public Works Government Services Canada

Project No: 692

Drilling Supervisor: Sean MacDonnell

Date: March 10, 2006

SUBSURFACE PROFILE				SAMPLE					Standard Penetration Test "N" Value per 300 mm			
Depth below LNT	Symbol	Geologic Description	Elevation (m)	Sample Type	Sample No.	"N" Value	Recovery (%)	RQD (%)	20	40	60	80
0		0 m LNT	0									
1												
2												
3												
4		Harbour Bottom	-1.63									
5		Splitspoon sank under its own weight.	-1.91									
6		SPT: 9/11/12/23 Organics, silty sand	-2.52	SS	1	23	58					
7		SPT: 23/30/46/62 Silty sand and gravel	-3.13	SS	2	76	100					
8		Cobble	-3.69									
9		SPT: 20/39/19/9 Silty sand and gravel	-4.3	SS	3	58	58					
10		SPT: 18/13/13/16 Sand and gravel	-4.91	SS	4	28	100					
11		SPT: 27/25/32/39 Sand and gravel	-5.73	SS	5	57	50					
12		SPT: 85 for 0.10 m Angular rock fragments with sand and gravel		SS	6	85	100					
13				RC	1		87					
14		Granitic (?) bedrock										
15				RC	2		90					
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		End of Borehole	-8.86									



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Drilling Method: NW Casing/NQ Coring
 Driller: Logan Geotech

Datum: 0 m LNT
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