



June 11, 2015

Project SJN-00215494-A0

Edinburgh Group Limited
36 Cabot Avenue
St. John's, Newfoundland and Labrador
A1A 1B7

Attention: Mr. Albert Williams, P.Eng.

Dear Sirs:

**RE: Proposed Cottage Lot Development - Ocean Pond Property
Engineering Report
Newfoundland and Labrador**

The following information provides data obtained during the period January 9, 2015, to April 24, 2015, as per the requirements of the Guidelines for Assessment of Unserviced Sub-divisions, Government of Newfoundland and Labrador Department of Environment and Conservation.

The proposed development, identified as the Proposed Cottage Lot Development - Ocean Pond Property, is located on the south side of the Trans-Canada Highway (TCH), approximately 10.5 km east of Whitbourne, Newfoundland and Labrador. The site is located approximately 7.2 km southwest from the TCH – Ocean Pond access road intersection. Access is via an existing gravel road through the cottage-developed area of Ocean Pond. Ocean Pond has been developed historically as summer cottages. The development proposes 106 cottage lots (Lot 1 to Lot 37 and Lot 43 to Lot 111), approximately 4542 m² in size, over approximately 48.6 hectares (excluding road right-of-ways) of presently-wooded land. Note that Lot 38 to Lot 42 are not being developed due to existing water/bog conditions.

A. Site Location

Access to the Ocean Pond Property is via an existing gravel road through the cottage developed area of Ocean Pond. The site is currently tree-covered with a low-lying wet bog area located at several locations throughout the proposed development. The

development footprint is approximately 48.6 hectares in size. The proposed development will consist of approximately 3400 m of access roads. A rough grade access road was constructed in 2014, along with necessary ditching and drainage culverts, to gain site access in completing the required engineering monitoring program.

B. Test Pit Program/Piezometer Installation

A test pit program was completed at the site during the period January 9, 2015 to January 20, 2015, and comprised mechanical excavation of 38 test pits using a CAT 336E excavator, operated by *Contour Atlantic Ltd.* of St. John's, Newfoundland and Labrador. Test pits were located in the field by **exp**, in discussion with the Department of Environment and Conservation, and the Government Services Centre, and are located at Lot 3, Lot 6, Lot 10, Lot 12, Lot 13, Lot 14, Lot 17, Lot 19, Lot 22, Lot 25, Lot 28, Lot 31, Lot 37, Lot 44, Lot 46, Lot 49, Lot 51, Lot 53, Lot 56, Lot 59, Lot 62, Lot 65, Lot 67, Lot 69, Lot 72, Lot 74, Lot 80, Lot 82, Lot 85, Lot 88, Lot 91, Lot 93, Lot 95, Lot 98, Lot 101, Lot 103, Lot 106, and Lot 109. Refer to *Figure 1: Test Pit and Well Location Plan* for details.

Conditions encountered in test pits are summarized as follows:

- An Organic layer ranging from 0.3 m to 2.1 m thick (average: 0.8 m) was encountered at the surface at all test pit locations.
- A dense dark grey Till horizon was encountered beneath the Organic layer at all test pit locations, at depths ranging from 0.3 m to 2.1 m, extending to depths ranging from 2.0 m to 6.8 m below the existing ground surface. The composition of the Till is variable, however, may be generally described as a silty gravelly Sand, to a Sand to a Sand and Gravel, with traces to some silt, and occasional cobbles and boulders. Test pits TP02 to TP15, TP18, TP19, and TP21 to TP40 were terminated in the Till horizon, at depths ranging from 2.0 m to 6.8 m below the existing ground surface.

Particle size analysis was completed on 16 representative samples of the Till deposit, with the following results:

Gravel:	22.4 percent to 48.4 percent	(average: 34.5 percent)
Sand:	55.0 percent to 36.0 percent	(average: 46.8 percent)
Silt:	9.2 percent to 25.5 percent	(average: 18.7 percent).

The natural moisture content of the Till samples tested ranged from 5.6 percent to 11.5 percent (average: 8.7 percent).

Based on observation of excavator performance, the Till is classified as dense in terms of relative density.

- Probable Bedrock was encountered beneath the Till horizon in test pits TP01, TP16, TP17, and TP20, at depths ranging from 2.6 m to 4.8 m below the existing ground surface. Based on published geology for the area, Bedrock is reported to consist of thickly-bedded, light grey sandstone, locally thinly-bedded, greenish-grey to red sandstone, siltstone tuff and conglomerate, Gilbert head Formation, Signal Hill Group (Geology of the Avalon Peninsula, Newfoundland, Map 88-01).
- Groundwater, at time of excavation, was encountered in test pits TP01, TP04, TP06 to TP08, TP11, TP14, TP16, TP21, TP21, TP23, TP28, TP30, TP32, TP33, TP35, and TP40, at depths ranging from 1.2 m to 5.2 m below the existing ground surface. *Table A1: Water Table Monitoring – Proposed Cottage Lot Development – Ocean Pond Property* in the Appendix, provides depth-to-groundwater measurements for the February-April 2015 program. It is noted that the water table may generally be expected to fluctuate seasonally and in response to extended heavy rainfall events.

Note that PVC piezometers were installed at test pit locations for groundwater monitoring. Details of conditions encountered in the test pits are presented on Test Pit Records, attached.

C. Groundwater Monitoring program

A groundwater monitoring program was completed during the period February 9, 2015 to April 24, 2015. Depth to the groundwater level was measured, in general, on a weekly basis at each test pit location.

Details of the groundwater monitoring program, including dates, times, and depth to groundwater measurements at test pit locations measured, are presented in the table, *Table A1: Water Table Monitoring – Proposed Cottage Lot Development - Ocean Pond Property*, attached. Also attached, Daily Observation Data from Environment Canada for the period February 2015 to April 2015.

Summarized range of depth to groundwater from the ground surface, at monitored test pit locations, as follows:

TP01 (depth: 4.0 m)	Depth to groundwater range: 1.37 m to 2.18 m
TP02 (depth: 3.4 m)	Depth to groundwater range: not-encountered
TP03 (depth: 4.0 m)	Depth to groundwater range: 3.33 m to 3.51 m
TP04 (depth: 2.7 m)	Depth to groundwater range: 0.26 m to 0.46 m
TP05 (depth: 3.9 m)	Depth to groundwater range: 2.79 m to 3.65 m
TP06 (depth: 4.0 m)	Depth to groundwater range: 1.40 m to 3.66 m
TP07 (depth: 2.6 m)	Depth to groundwater range: 1.37 m to 2.0 m
TP08 (depth: 2.0 m)	Depth to groundwater range: 0.85 m to 1.54 m
TP09 (depth: 4.3 m)	Depth to groundwater range: 3.60 m to 3.64 m
TP10	Test pit not excavated.
TP11 (depth: 2.7 m)	Depth to groundwater range: 0.48 m to not-encountered (1 occasion)
TP12 (depth: 5.6 m)	Depth to groundwater range: 5.3 m to 5.55 m
TP13	Test pit not excavated.
TP14 (depth: 5.8 m)	Depth to groundwater range: 4.30 m to 4.77 m
TP15 (depth: 5.8 m)	Depth to groundwater range: 5.53 m to 5.86 m
TP16 (depth: 2.6 m)	Depth to groundwater range: 0.33 m to 0.60 m
TP17 (depth: 4.8 m)	Depth to groundwater range: not-encountered
TP18 (depth: 4.2 m)	Depth to groundwater range: 3.06 m to 3.10 m
TP19 (depth: 2.1 m)	Depth to groundwater range: 0.34 m to 0.48 m
TP20 (depth: 2.7 m)	Depth to groundwater range: 2.0 m to not-encountered) (7 occasions)
TP21 (depth: 2.7 m)	Depth to groundwater range: surface to 1.01 m
TP22 (depth: 4.0 m)	Depth to groundwater range: 2.56 m to 3.34 m
TP23 (depth: 5.0 m)	Depth to groundwater range: 4.58 m to 5.09 m
TP24 (depth: 3.9 m)	Depth to groundwater range: 3.13 m to 3.71 m
TP25 (depth: 3.6 m)	Depth to groundwater range: 3.41 m to not-encountered (7 occasions)
TP26 (depth: 3.9 m)	Depth to groundwater range: 3.66 m to 3.74 m
TP27 (depth: 3.3 m)	Depth to groundwater range: 2.98 m to not-encountered (10 occasions)
TP28 (depth: 2.0 m)	Depth to groundwater range: 0.37 m to 0.42 m
TP29 (depth: 3.8 m)	Depth to groundwater range: 3.57 m to not-encountered (10 occasions)
TP30 (depth: 2.0 m)	Depth to groundwater range: 1.38 m to 1.58 m
TP31 (depth: 3.6 m)	Depth to groundwater range: 3.59 m to not-encountered (8 occasions)
TP32 (depth: 2.4 m)	Depth to groundwater range: surface to 0.76 m
TP33 (depth: 2.6 m)	Depth to groundwater range: 3.68 m to 0.80 m
TP34 (depth: 4.5 m)	Depth to groundwater range: 3.89 m to 4.65 m
TP35 (depth: 6.7 m)	Depth to groundwater range: 3.64 m to 4.77 m

TP36 (depth: 4.2 m)	Depth to groundwater range: not-encountered
TP37 (depth: 2.7 m)	Depth to groundwater range: 1.44 m to 3.50 m
TP38 (depth: 2.4 m)	Depth to groundwater range: 2.60 m to 2.80 m
TP39 (depth: 2.4 m)	Depth to groundwater range: 1.30 m to 2.37 m
TP40 (depth: 2.0 m)	Depth to groundwater range: 0.39 m to 0.56 m.

D. Site Soils/Percolation

Percolation testing was completed at 12 test pit locations, as follows: TP05, TP06, TP09, TP16, TP20, TP21, TP22, TP25, TP29, TP30, TP36, and TP39, resulting in T-values (percolation rate) of 46, 28, 5, 15, 60, 53, 15, 3, 5, 36, and 28, respectively. The range of T- values, 3 to 60, meets the range of percolation rates specified in *Private Sewage Disposal and Water Supply Standards* as an acceptable soil for disposal fields. It is noted that, in the final design process for septic systems, percolation testing will be required by individuals purchasing building lots to confirm T-values for the individual building lot and septic location.

E. Groundwater Supply (potable water)

A Level 1 and a Level 2 Groundwater Assessment Study have been completed for this development, and provide details of the surrounding groundwater usage. The area, in general, is serviced mostly by individual dug wells (there may be drilled wells in the area). It is expected this development will be serviced by dug wells. Details are provided under separate cover.

F. Proposed Development and Recommendations

The details of centre-line grades for roadways and lot elevations have yet to be determined and, therefore, the final requirement (location/elevation) for septic field design may vary from lot to lot. Current existing centre-line elevations have been evaluated as part of this submission.

Based on the depths to groundwater encountered and monitored, and the soil conditions (T-value), the site is acceptable for private sewage disposal systems. It is apparent that the depth to groundwater for building lots on site will vary. Many lots within the development will allow for the installation of a standard in-situ septic tank and disposal field design per the specifications provided in the Department of Government Services *Private Sewage Disposal, and Water Supply Standards*

document. Note also, in some situations (depending on final design grades/site T-values), lot grading, and/or groundwater depth, may require a backfill material to bring the lot to grade, and there may be a requirement to install engineered fill system design for sewage disposal, per the specifications per the *Private Sewage Disposal, and Water Supply Standards* document.

It is noted that individuals purchasing building lots in the development will be required to provide a sewage disposal system design to the Department of Government Services for review and approval, as prepared by an GSC approved designer. The design must meet specifications as provided in the *Private Sewage Disposal, and Water Supply Standards* document. Site/Lot conditions will dictate the appropriate design requirement.

We trust this submission meets your current requirements. Should you have any questions or require clarification on any aspect, please contact our office.

Yours very truly,

exp Services Inc.

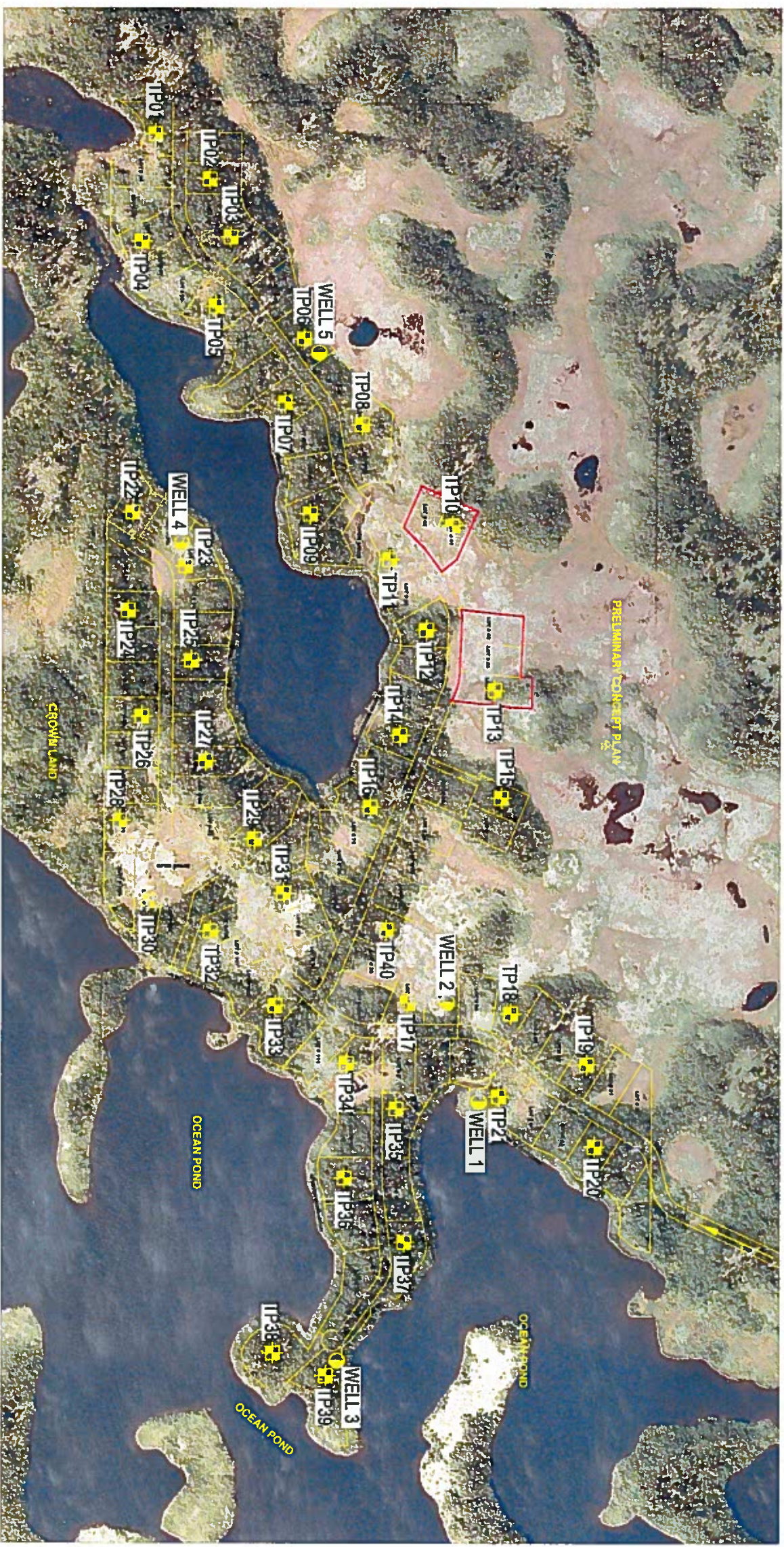


William G. Melendy, M.A.Sc., P.Eng.
Group Manager,
Geotechnical/Environmental Engineering

WGM:dgn

Attachments: Figure 1: Test Pit and Well (dug) Location Plan
Water Table Monitoring/Daily Observation Data
Symbols and Terms Used on the Borehole, Test Pit and Monitor Well Records
Test Pit Records
Government of Canada: Climate - Daily Data, November 2013 to February 2013

NOTES:
 -TEST PITS TP10 AND TP13 NOT EXCAVATED.
 -LOT No.38, LOT No.39, LOT No.40, LOT No.41 AND LOT No.42 WILL NOT BE DEVELOPED DUE TO EXISTING SURFACE WATERBOG CONDITIONS (NOTED AS RED LINES ON SKETCH BELOW).



No.	Issue	Date

No.	Revision	Chd. By	Date

LEGEND

- TEST PIT LOCATION
- WELL LOCATION (DUG)

Date Printed: 29-05-2015		Drawn By: R.J.B.	
Date Printed: 29-05-2015		Dwg Standards Ctd. By: R.J.B.	
Date Printed: 29-05-2015		Designed By: W.G.M.	
Date Printed: 29-05-2015		Dwg Design Ctd. By: W.G.M.	

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BUILDINGS & CIVIL ENGINEER ARCHITECT ENGINEER CONSULTANTS INFRASTRUCTURE ENVIRONMENTAL

Project Title
 ENGINEERING STUDY
 PROPOSED CABIN LOT DEVELOPMENT
 OCEAN POND PROPERTY

Dwg Title
 TEST PIT AND WELL (DUG)
 LOCATION PLAN

Project No: SJN-00215494-A0

Dwg No: **FIGURE 1** Rev. No:

Scale: 1:7,500
 This drawing is not to be scaled



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP01

DATES (dd-mm-yy): DUG 20-01-15 WATER LEVEL 20-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa								
					TYPE	NUMBER	OTHER TESTS	20	40	60	80					
								Water Content & Atterberg Limits								
								W_p W W_L								
0	92.00							10	20	30	40	50	60	70	80	90
		ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS ; some oxidized till with occasional cobbles and boulders; moist to dry.														
1	91.3	TILL: Dense dark grey silty GRAVEL and SAND ; occasional cobbles and boulders; broken rock at depth; dry to wet.				BK	1									
4	88.0	End of Test Pit.														
5		NOTES: 1. Groundwater encountered at 3.4 m. 2. Test Pit terminated at 4.0 m on probable Bedrock.														
6																
7																
8																

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Reviewed By: W. Melendy
Contractor: Contour Atlantic Ltd.
Equipment: CAT 336E Excavator

△ Unconfined Compression Test
▽ Water Level at Time of Drilling/Excavation
▽ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP02

DATES (dd-mm-yy): DUG 20-01-15

WATER LEVEL 20-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits							
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _L					
0	93.57																		
	93.1	<p>ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; moist to dry.</p> <p>TILL: Dense dark grey silty GRAVEL and SAND (GM); occasional cobbles and boulders; dry.</p>																	
1																			
2						BK	1	S,M											
3																			
	90.1	End of Test Pit.																	
4		<p>NOTES:</p> <p>1. Groundwater not encountered.</p> <p>2. Test Pit terminated at 3.45 m in Till.</p>																	
5																			
6																			
7																			
8																			

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TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP03

DATES (dd-mm-yy): DUG 20-01-15 WATER LEVEL 20-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits							
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _l					
0	97.51																		
		ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; moist to dry.																	
1	96.8	TILL: Dense dark grey GRAVEL and SAND; some silt; occasional cobbles and boulders; dry to moist.																	
2						BK	1												
3																			
4	93.5	End of Test Pit.																	
5		NOTES: 1. Groundwater not encountered. 2. Test Pit terminated at 4.0 m in Till.																	
6																			
7																			
8																			

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△ Unconfined Compression Test
≡ Water Level at Time of Drilling/Excavation
≡ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP04

DATES (dd-mm-yy): DUG 16-01-15 WATER LEVEL 16-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits							
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _L					
0	88.70																		
		ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; moist to dry.																	
1	88.0	TILL: Dense dark grey gravelly, silty SAND; occasional cobbles and boulders; rocky at depth; dry to wet.																	
2						BK	1												
	86.1	End of Test Pit.																	
3		NOTES: 1. Groundwater encountered at 2.6 m. 2. Test Pit terminated at 2.65 m in Till.																	
4																			
5																			
6																			
7																			
8																			

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△ Unconfined Compression Test
▽ Water Level at Time of Drilling/Excavation
▾ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited
 LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL
 DATES (dd-mm-yy): DUG 16-01-15 WATER LEVEL 16-01-15

PROJECT No. SJN-215494-A0
 TEST PIT No. TP05
 DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits					
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _L			
0	95.37	ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; moist to dry. TILL: Dense dark grey gravelly, silty SAND (SM); occasional cobbles and boulders; dry.															
1	94.5																
2					BK	1	S,M										
3																	
4	91.5	End of Test Pit.															
5		NOTES: 1. Groundwater not encountered. 2. Test Pit terminated at 3.9 m in Till.															
6																	
7																	
8																	

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△ Unconfined Compression Test
 ▽ Water Level at Time of Drilling/Excavation
 ▾ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited
 LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL
 DATES (dd-mm-yy): DUG 16-01-15 WATER LEVEL 16-01-15

PROJECT No. SJN-215494-A0
 TEST PIT No. TP06
 DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa									
					TYPE	NUMBER	OTHER TESTS	Water Content & Atterberg Limits									
0	95.70	ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; moist to dry. TILL: Dense dark grey gravelly, silty SAND; occasional cobbles and boulders; dry to wet.															
	95.0																
1					BK	1											
2																	
3																	
4	91.7	End of Test Pit.															
5		NOTES: 1. Groundwater encountered at 3.8 m. 2. Test Pit terminated at 4.0 m in Till.															
6																	
7																	
8																	

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TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP07

DATES (dd-mm-yy): DUG 16-01-15

WATER LEVEL 16-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits								
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _L						
0	91.49																			
	91.0	<p>ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; moist to dry.</p> <p>TILL: Dense dark grey GRAVEL and SAND; some silt; occasional cobbles and boulders; dry to wet.</p>																		
1																				
2						BK	1													
	88.9	End of Test Pit.																		
3		<p>NOTES:</p> <p>1. Groundwater encountered at 2.3 m.</p> <p>2. Test Pit terminated at 2.6 m in Till.</p>																		
4																				
5																				
6																				
7																				
8																				

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- △ Unconfined Compression Test
- ▽ Water Level at Time of Drilling/Excavation
- ◊ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP08

DATES (dd-mm-yy): DUG 20-01-15

WATER LEVEL 20-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits						
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _L				
0	90.63	ORGANICS: Trees, shrub, and rootmat on loose dark brown peat ORGANICS ; moist to wet.																
1	89.4	TILL: Dense light grey GRAVEL and SAND ; some silt (GM); occasional cobbles and boulders; wet.		▼	BK	1	S,M	○										
2	88.6	End of Test Pit. NOTES: 1. Groundwater encountered at 1.2 m. 2. Test Pit terminated at 2.0 m on Till.																
3																		
4																		
5																		
6																		
7																		
8																		

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- ▽ Static Water Level



TEST PIT RECORD

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LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP09

DATES (dd-mm-yy): DUG 16-01-15

WATER LEVEL 16-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits				
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _L		
0	92.90	ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS ; some oxidized till with occasional cobbles and boulders; moist to dry.														
1	92.0															
		TILL: Dense dark grey GRAVEL and SAND ; some silt; occasional cobbles and boulders; dry.				BK	1									
2																
3																
4																
4.25	88.7	End of Test Pit.														
5		NOTES: 1. Groundwater not encountered. 2. Test Pit terminated at 4.25 m In Till.														
6																
7																
8																

GEO TECH SJN-00215494-A0.GPJ ADIGDT 5/27/15



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Contractor: Contour Atlantic Ltd.
Equipment: CAT 336E Excavator

- Unconfined Compression Test
- Water Level at Time of Drilling/Excavation
- Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group LimitedPROJECT No. SJN-215494-A0LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NLTEST PIT No. TP11DATES (dd-mm-yy): DUG 09-01-15WATER LEVEL 09-01-15DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits								
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _L						
0	88.47	ORGANICS: Trees, shrub, and rootmat on loose dark brown peat ORGANICS; dry to moist.																		
1																				
2	86.4	TILL: Dense dark grey silty SAND and GRAVEL; occasional cobbles and boulders; wet.																		
	85.8	End of Test Pit.			BK	1														
3		NOTES: 1. Groundwater encountered at 2.4 m. 2. Test Pit terminated at 2.7 m in Till.																		
4																				
5																				
6																				
7																				
8																				

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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△ Unconfined Compression Test
▽ Water Level at Time of Drilling/Excavation
≡ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited
 LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL
 DATES (dd-mm-yy): DUG 09-01-15 WATER LEVEL 09-01-15

PROJECT No. SJN-215494-A0
 TEST PIT No. TP12
 DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits								
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _L						
0	94.99	ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; moist to dry. TILL: Dense dark grey silty SAND and GRAVEL (SM); occasional cobbles and boulders; shale rock at depth; dry.																		
1	94.4																			
3					BK	1														
5.6	89.4	End of Test Pit.																		
6		NOTES: 1. Groundwater not encountered. 2. Test Pit terminated at 5.6 m in Till.																		
7																				
8																				

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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- Δ Unconfined Compression Test
- ∇ Water Level at Time of Drilling/Excavation
- \square Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP14

DATES (dd-mm-yy): DUG 09-01-15

WATER LEVEL 09-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa												
					TYPE	NUMBER	OTHER TESTS	Water Content & Atterberg Limits												
0	93.87	ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; dry. TILL: Dense dark grey silty, gravelly SAND; occasional cobbles and boulders; dry to wet.						10 20 30 40 50 60 70 80 90												
1	93.3																			
2																				
3																				
4																				
5																				
6	88.1	End of Test Pit.																		
7		NOTES: 1. Groundwater encountered at 5.2 m. 2. Test Pit terminated at 5.8 m in Till.																		
8																				

GEOTECH SJN-00215494-A0.GPJ ADI(GDT) 5/27/15



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 Equipment: CAT 336E Excavator

△ Unconfined Compression Test
 ▽ Water Level at Time of Drilling/Excavation
 ▽ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP15

DATES (dd-mm-yy): DUG 09-01-15 WATER LEVEL 09-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa										
					TYPE	NUMBER	OTHER TESTS	20	40	60	80							
0	98.65																	
	98.1	<p>ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; moist to dry.</p> <p>TILL: Dense dark grey silty, gravelly SAND (SM); occasional cobbles and boulders; dry.</p>																
1																		
2																		
3																		
4																		
5																		
6	92.9	End of Test Pit.																
7		<p>NOTES:</p> <p>1. Groundwater not encountered.</p> <p>2. Test Pit terminated at 5.8 m in Till.</p>																
8																		

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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△ Unconfined Compression Test
▽ Water Level at Time of Drilling/Excavation
◻ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP16

DATES (dd-mm-yy): DUG 09-01-15 WATER LEVEL 09-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits						
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _L				
0	89.85	ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; dry. TILL: Dense dark grey gravelly SAND; some silt (SM); occasional cobbles and boulders; broken rock at depth; dry to wet.																
1	89.3				BK	1	S,M											
2	87.3	End of Test Pit.																
3		NOTES: 1. Groundwater encountered at 2.6 m. 2. Test Pit terminated at 2.6 m on probable Bedrock.																
4																		
5																		
6																		
7																		

GEOTECH SJN-00215494-A0.GPJ ADIGDT 527715



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- △ Unconfined Compression Test
- ▽ Water Level at Time of Drilling/Excavation
- ◊ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP17

DATES (dd-mm-yy): DUG 09-01-15

WATER LEVEL 09-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa															
					TYPE	NUMBER	OTHER TESTS	Water Content & Atterberg Limits															
0	90.18	<p>ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; moist to dry.</p> <p>TILL: Dense dark grey gravelly SAND; some silt; occasional cobbles and boulders; broken rock at depth; dry.</p>																					
	89.6																						
1																							
2						BK	1																
3																							
4																							
5	85.4	End of Test Pit.																					
6		<p>NOTES:</p> <p>1. Groundwater not encountered.</p> <p>2. Test Pit terminated at 4.8 m on probable Bedrock.</p>																					
7																							
8																							

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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△ Unconfined Compression Test
▽ Water Level at Time of Drilling/Excavation
◊ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP18

DATES (dd-mm-yy): DUG 09-01-15

WATER LEVEL 12-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits						
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _L				
0	92.09	ORGANICS: Trees, shrub, and rootmat on loose to compact to dense dark brown to reddish brown ORGANICS ; some oxidized till with occasional cobbles and boulders; dry.																
1	90.9	TILL: Dense dark grey gravelly; silty SAND (SM); occasional cobbles and boulders; dry to moist.																
2																		
3																		
4	87.9	End of Test Pit.																
5		NOTES: 1. Groundwater not encountered. 2. Test Pit terminated at 4.2 m in Till.																
6																		
7																		
8																		

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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△ Unconfined Compression Test
≡ Water Level at Time of Drilling/Excavation
∇ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP19

DATES (dd-mm-yy): DUG 14-01-15

WATER LEVEL 14-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa								
					TYPE	NUMBER	OTHER TESTS	20	40	60	80					
								Water Content & Atterberg Limits W_p W_L								
								10	20	30	40	50	60	70	80	90
0	86.15	ORGANICS: Trees, shrub, and rootmat on loose dark brown peat ORGANICS ; dry.														
1																
2	84.7 84.1	TILL: Dense dark grey GRAVEL and SAND ; some silt; occasional cobbles and boulders; dry to wet.														
3		End of Test Pit. NOTES: 1. Groundwater encountered at 1.65 m. 2. Test Pit terminated at 2.1 m in Till.														
4																
5																
6																
7																
8																

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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△ Unconfined Compression Test
≡ Water Level at Time of Drilling/Excavation
▽ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP20

DATES (dd-mm-yy): DUG 14-01-15

WATER LEVEL 14-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa											
					TYPE	NUMBER	OTHER TESTS	20	40	60	80								
0	94.70	<p>ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; moist to dry.</p> <p>TILL: Dense dark grey GRAVEL and SAND; some silt (GW-GM); occasional cobbles and boulders; shale rock at depth; dry.</p>					Water Content & Atterberg Limits W_p W_L W_I												
	94.1																		
1					BK	1	SM	○											
2																			
3	92.0	<p>End of Test Pit.</p> <p>NOTES:</p> <ol style="list-style-type: none"> Groundwater not encountered. Test Pit terminated at 2.7 m on probable Bedrock. 																	
4																			
5																			
6																			
7																			
8																			

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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- △ Unconfined Compression Test
- ≡ Water Level at Time of Drilling/Excavation
- ≡ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP21

DATES (dd-mm-yy): DUG 12-01-15

WATER LEVEL 12-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa												
					TYPE	NUMBER	OTHER TESTS	20	40	60	80									
0	82.57	<p>ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; dry.</p> <p>TILL: Dense dark grey gravelly, silty SAND; occasional cobbles and boulders; dry to wet.</p>		▼																
	82.1				BK	1														
1																				
2																				
3	79.9	End of Test Pit.																		
3		<p>NOTES:</p> <p>1. Groundwater encountered at 1.2 m.</p> <p>2. Test Pit terminated at 2.7 m in Till.</p>																		
4																				
5																				
6																				
7																				

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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- △ Unconfined Compression Test
- ▼ Water Level at Time of Drilling/Excavation
- ▽ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP22

DATES (dd-mm-yy): DUG 15-01-15 WATER LEVEL 15-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa																	
					TYPE	NUMBER	OTHER TESTS	Water Content & Atterberg Limits																	
								20				40				60				80					
								W_p W W_L																	
								10	20	30	40	50	60	70	80	90									
0	92.49	ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; dry. TILL: Dense dark grey silty, gravelly SAND; occasional cobbles and boulders; dry.																							
1	91.7							BK	1																
4	88.5	End of Test Pit.																							
		NOTES: 1. Groundwater not encountered. 2. Test Pit terminated at 4.0 m in Till.																							

GEOTECH SJN-00215494-A0.GPJ ADIGDT 5/27/15



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△ Unconfined Compression Test
 ▽ Water Level at Time of Drilling/Excavation
 ≡ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited PROJECT No. SJN-215494-A0
 LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL TEST PIT No. TP23
 DATES (dd-mm-yy): DUG 15-01-15 WATER LEVEL 15-01-15 DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits			
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _l	
0	94.10	ORGANICS: Shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; dry. TILL: Dense dark grey silty, gravelly SAND (SM); occasional cobbles and boulders; dry to wet.													
1	93.4														
2															
3						BK	1	S,M							
4															
5	89.1	End of Test Pit.													
6		NOTES: 1. Groundwater encountered at 4.5 m. 2. Test Pit terminated at 5.0 m in Till.													
7															
8															

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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△ Unconfined Compression Test
 ▽ Water Level at Time of Drilling/Excavation
 ▾ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP24

DATES (dd-mm-yy): DUG 15-01-15 WATER LEVEL 15-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits							
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _L					
0	94.92																		
	94.3	<p>ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; dry.</p> <p>TILL: Dense dark grey gravelly SAND; some silt (SM); occasional cobbles and boulders; dry.</p>																	
1																			
2																			
3																			
4	91.0	End of Test Pit.																	
5		<p>NOTES:</p> <p>1. Groundwater not encountered.</p> <p>2. Test Pit terminated at 3.9 m in Till.</p>																	
6																			
7																			
8																			

GEOTECH SJN-00215494-A0.GPJ ADI(GDT) 5/27/15



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- △ Unconfined Compression Test
- ≡ Water Level at Time of Drilling/Excavation
- ≡ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited
 LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL
 DATES (dd-mm-yy): DUG 14-01-15 WATER LEVEL 14-01-15

PROJECT No. SJN-215494-A0
 TEST PIT No. TP25
 DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa																								
					TYPE	NUMBER	OTHER TESTS	Water Content & Atterberg Limits																								
								W _p	W	W _l																						
								10	20	30	40	50	60	70	80	90																
0	98.97	<p>ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; dry.</p> <p>TILL: Dense dark grey silty, gravelly SAND; occasional cobbles and boulders; dry.</p>																														
	98.4																															
1																																
2						BK	1																									
3																																
3.6	95.4	End of Test Pit.																														
4		<p>NOTES:</p> <p>1. Groundwater not encountered.</p> <p>2. Test Pit terminated at 3.6 m in Till.</p>																														
5																																
6																																
7																																
8																																

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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- △ Unconfined Compression Test
- ≡ Water Level at Time of Drilling/Excavation
- ≡ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP26

DATES (dd-mm-yy): DUG 14-01-15

WATER LEVEL 14-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits								
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _L						
0	96.57	ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; dry.																		
1	95.7	TILL: Dense dark grey gravelly SAND; some silt; occasional cobbles and boulders; dry.																		
2																				
3																				
4	92.7	End of Test Pit.																		
5		NOTES: 1. Groundwater not encountered. 2. Test Pit terminated at 3.9 m in Till.																		
6																				
7																				
8																				

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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▽ Water Level at Time of Drilling/Excavation
▽ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited
 LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL
 DATES (dd-mm-yy): DUG 14-01-15 WATER LEVEL 14-01-15

PROJECT No. SJN-215494-A0
 TEST PIT No. TP27
 DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits						
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W _L	W _I				
0	100.56	ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; dry. TILL: Dense dark grey GRAVEL and SAND; some silt (SM); occasional cobbles and boulders; shale rock with depth; dry.																
1	99.7																	
2																		
3	97.3																	
4		End of Test Pit. NOTES: 1. Groundwater not encountered. 2. Test Pit terminated at 3.3 m on probable Bedrock.																
5																		
6																		
7																		
8																		

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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Technologist: R. Hayes
 Reviewed By: W. Melendy
 Contractor: Contour Atlantic Ltd.
 Equipment: CAT 336E Excavator

- △ Unconfined Compression Test
- ≡ Water Level at Time of Drilling/Excavation
- ⊖ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited
 LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL
 DATES (dd-mm-yy): DUG 15-01-15 WATER LEVEL 15-01-15

PROJECT No. SJN-215494-A0
 TEST PIT No. TP28
 DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits								
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _l						
0	86.99	ORGANICS: Shrub, and rootmat on loose to compact dark brown ORGANICS; with occasional cobbles and boulders; moist. TILL: Dense dark grey gravelly SAND; some silt; occasional cobbles and boulders; dry to wet.			BK	1														
1	86.7																			
2	85.0	End of Test Pit.																		
3		NOTES: 1. Groundwater encountered at 1.7 m. 2. Test Pit terminated at 2.0 m in Till.																		
4																				
5																				
6																				
7																				
8																				

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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- △ Unconfined Compression Test
- ▽ Water Level at Time of Drilling/Excavation
- ▽ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP29

DATES (dd-mm-yy): DUG 15-01-15

WATER LEVEL 15-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa														
					TYPE	NUMBER	OTHER TESTS	20	40	60	80											
0	93.21	ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till; occasional cobbles and boulders; moist. TILL: Dense dark grey SAND and GRAVEL; trace silt; occasional cobbles and boulders; dry to wet.																				
1	92.5																					
2																						
3																						
4	89.5	End of Test Pit.																				
5		NOTES: 1. Groundwater not encountered. 2. Test Pit terminated at 3.75 m in Till.																				
6																						
7																						
8																						

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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 ▽ Water Level at Time of Drilling/Excavation
 ⊖ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited
 LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL
 DATES (dd-mm-yy): DUG 14-01-15 WATER LEVEL 14-01-15

PROJECT No. SJN-215494-A0
 TEST PIT No. TP30
 DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa											
					TYPE	NUMBER	OTHER TESTS	20	40	60	80								
0	84.29	ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; moist to dry. TILL: Dense oxidized to dark grey gravelly SAND; some silt (SM); occasional cobbles and boulders; dry to wet.			BK	1		Water Content & Atterberg Limits											
1	83.8																		
2	82.3	End of Test Pit.																	
3		NOTES: 1. Groundwater encountered at 1.8 m. 2. Test Pit terminated at 2.0 m in Till.																	
4																			
5																			
6																			
7																			
8																			

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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 Equipment: CAT 336E Excavator

- △ Unconfined Compression Test
- ▽ Water Level at Time of Drilling/Excavation
- ▽ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP31

DATES (dd-mm-yy): DUG 14-01-15 WATER LEVEL 14-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa											
					TYPE	NUMBER	OTHER TESTS	20	40	60	80								
0	92.21	<p>ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; moist to dry.</p> <p>TILL: Dense dark grey SAND and GRAVEL; trace silt (SW-SM); occasional cobbles and boulders; dry.</p>					Water Content & Atterberg Limits W_p W W_L												
1	91.6						BK	1	S,M	○									
3.6	88.6	End of Test Pit.																	
4		<p>NOTES:</p> <p>1. Groundwater not encountered.</p> <p>2. Test Pit terminated at 3.6 m in Till.</p>																	
5																			
6																			
7																			
8																			

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 527/15



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Contractor: Contour Atlantic Ltd.
Equipment: CAT 336E Excavator

△ Unconfined Compression Test
▽ Water Level at Time of Drilling/Excavation
≡ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP32

DATES (dd-mm-yy): DUG 14-01-15

WATER LEVEL 14-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits		
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _L
0	84.31	ORGANICS: Shrub, and rootmat on loose dark brown peat ORGANICS ; moist to wet.												
1														
2	82.5	TILL: Dense light grey gravelly SAND ; some silt; occasional cobbles and boulders; wet.				BK	1							
	81.9													
3		End of Test Pit.												
4		NOTES: 1. Groundwater encountered at 1.8 m. 2. Test Pit terminated at 2.4 m in Till.												
5														
6														
7														
8														

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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△ Unconfined Compression Test
≡ Water Level at Time of Drilling/Excavation
▽ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited
 LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL
 DATES (dd-mm-yy): DUG 15-01-15 WATER LEVEL 15-01-15

PROJECT No. SJN-215494-A0
 TEST PIT No. TP33
 DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa													
					TYPE	NUMBER	OTHER TESTS	Water Content & Atterberg Limits													
0	81.90	ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to greyish brown ORGANICS; some oxidized till with occasional cobbles and boulders; dry.																			
	81.2																				
1		TILL: Dense grey SAND and GRAVEL; trace silt; occasional cobbles and boulders; dry to wet.				BK	1														
2																					
	79.3	End of Test Pit.																			
3		NOTES: 1. Groundwater encountered at 2.4 m. 2. Test Pit terminated at 2.6 m in Till.																			
4																					
5																					
6																					
7																					
8																					

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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△ Unconfined Compression Test
 ▽ Water Level at Time of Drilling/Excavation
 ▽ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited
 LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL
 DATES (dd-mm-yy): DUG 09-01-15 WATER LEVEL 09-01-15

PROJECT No. SJN-215494-A0
 TEST PIT No. TP34
 DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa										
					TYPE	NUMBER	OTHER TESTS	Water Content & Atterberg Limits										
0	86.61	ORGANICS: Shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; dry. TILL: Dense dark grey gravelly SAND; some silt (SM); occasional cobbles and boulders; dry.																
1	86.0																	
2																		
3																		
4						BK	1	S,M	○									
5	82.1	End of Test Pit.																
5		NOTES: 1. Groundwater not encountered. 2. Test Pit terminated at 4.5 m In Till.																
6																		
7																		
8																		

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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 Equipment: CAT 336E Excavator

△ Unconfined Compression Test
 ▽ Water Level at Time of Drilling/Excavation
 ≡ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP35

DATES (dd-mm-yy): DUG 12-01-15 WATER LEVEL 12-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits									
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _L							
0	87.04	ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; moist to dry.																			
1																					
2	85.6	TILL: Dense dark grey gravelly, silty SAND; occasional cobbles and boulders; dry to wet.				BK	1														
3																					
4																					
5																					
6																					
7	80.3	End of Test Pit.																			
7		NOTES: 1. Groundwater encountered at 6.1 m. 2. Test Pit terminated at 6.7 m in Till.																			
8																					

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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Equipment: CAT 336E Excavator

△ Unconfined Compression Test
≡ Water Level at Time of Drilling/Excavation
▽ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP36

DATES (dd-mm-yy): DUG 12-01-15

WATER LEVEL 12-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa														
					TYPE	NUMBER	OTHER TESTS	Water Content & Atterberg Limits														
0	91.06	ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; dry.																				
1	90.2	TILL: Dense dark grey gravelly SAND; some silt; occasional cobbles and boulders; dry.																				
2																						
3																						
4	86.9	End of Test Pit.																				
5		NOTES: 1. Groundwater not encountered. 2. Test Pit terminated at 4.2 m in Till.																				
6																						
7																						
8																						

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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Equipment: CAT 336E Excavator

△ Unconfined Compression Test
▽ Water Level at Time of Drilling/Excavation
◊ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP37

DATES (dd-mm-yy): DUG 12-01-15

WATER LEVEL 12-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa										
					TYPE	NUMBER	OTHER TESTS	20	40	60	80							
0	85.29	ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; dry.																
1	84.4	TILL: Dense dark grey gravelly, silty SAND (SM); occasional cobbles and boulders; dry.																
2					BK	1	S,M	C										
3	82.6	End of Test Pit.																
3		NOTES: 1. Groundwater not encountered. 2. Test Pit terminated at 2.7 m in Till.																
4																		
5																		
6																		
7																		
8																		

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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- △ Unconfined Compression Test
- ▽ Water Level at Time of Drilling/Excavation
- ▬ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited
 LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL
 DATES (dd-mm-yy): DUG 12-01-15 WATER LEVEL 12-01-15

PROJECT No. SJN-215494-A0
 TEST PIT No. TP38
 DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits		
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _l
0	84.49	ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; dry. TILL: Dense grey gravelly SAND; some silt (SM); occasional cobbles and boulders; dry.												
1	83.9													
2	82.1	End of Test Pit.												
3		NOTES: 1. Groundwater not encountered. 2. Test Pit terminated at 2.4 m In Till.												
4														
5														
6														
7														
8														

GEOTECH SJN-00215494-A0.GPJ ADIGDT 5/27/15



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- △ Unconfined Compression Test
- ▽ Water Level at Time of Drilling/Excavation
- Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP39

DATES (dd-mm-yy): DUG 12-01-15

WATER LEVEL 12-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits								
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	10	20	30	40	50	60	70	80	90
0	83.17	ORGANICS: Trees, shrub, and rootmat on loose to compact dark brown to reddish brown ORGANICS; some oxidized till with occasional cobbles and boulders; dry. TILL: Dense grey gravelly SAND; some silt; occasional cobbles and boulders; dry.																		
1	82.6																			BK
2																				
3	80.8	End of Test Pit.																		
3		NOTES: 1. Groundwater not encountered. 2. Test Pit terminated at 2.4 m in Till.																		
4																				
5																				
6																				
7																				
8																				

GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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△ Unconfined Compression Test
≡ Water Level at Time of Drilling/Excavation
≡ Static Water Level



TEST PIT RECORD

CLIENT Edinburgh Group Limited

PROJECT No. SJN-215494-A0

LOCATION Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL

TEST PIT No. TP40

DATES (dd-mm-yy): DUG 09-01-15

WATER LEVEL 09-01-15

DATUM Geodetic

DEPTH (m)	ELEV. (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES			Undrained Shear Strength, kPa				Water Content & Atterberg Limits						
					TYPE	NUMBER	OTHER TESTS	20	40	60	80	W _p	W	W _L				
0	84.29	ORGANICS: Trees, shrub, and rootmat on loose dark brown peat ORGANICS; moist.																
1	83.1	TILL: Dense light grey SAND and GRAVEL; trace silt; occasional cobbles and boulders; moist to wet.																
2	82.3	End of Test Pit.																
3		NOTES: 1. Groundwater encountered at 1.85 m. 2. Test Pit terminated at 2 m in Till.																
4																		
5																		
6																		
7																		
8																		

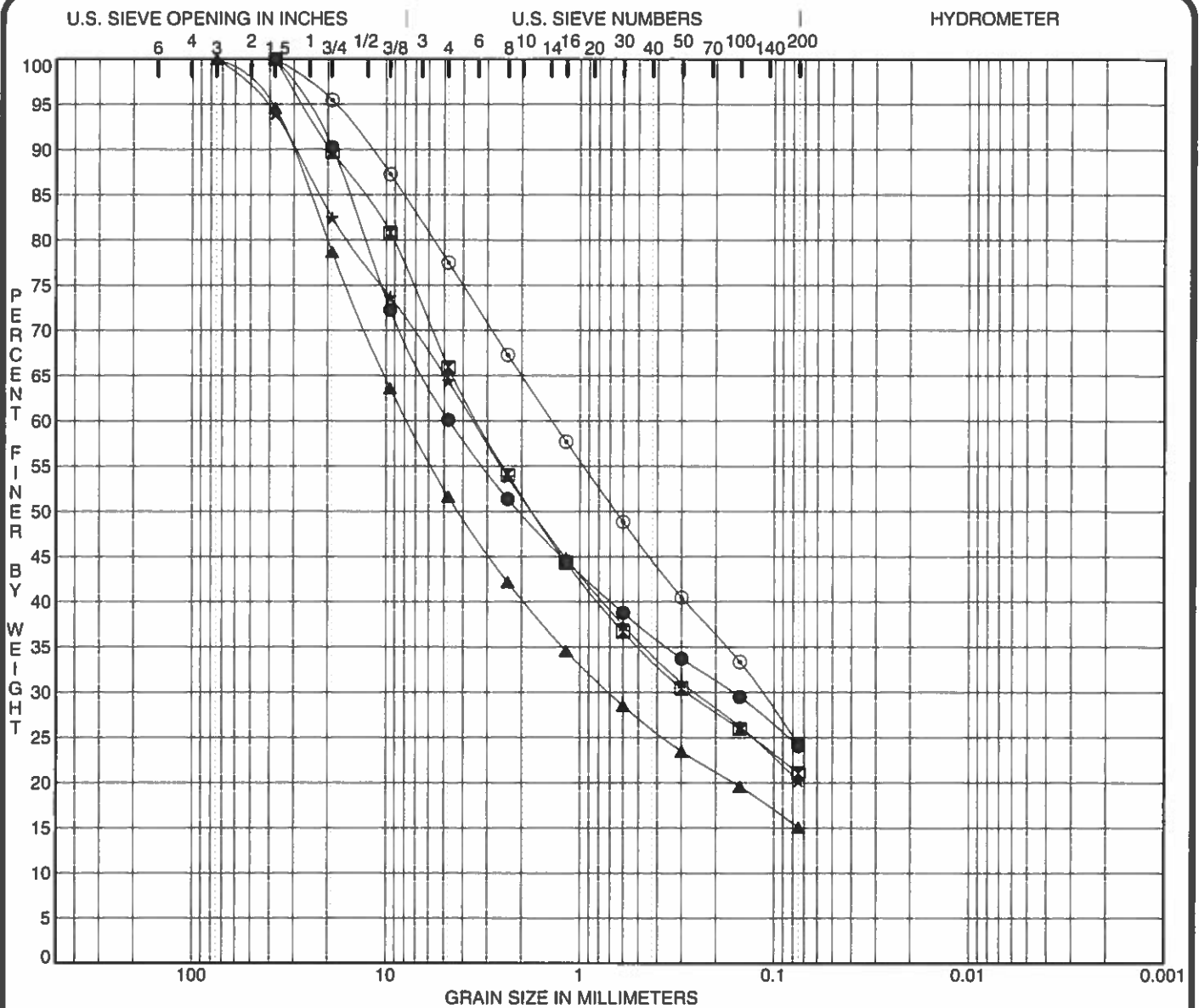
GEOTECH SJN-00215494-A0.GPJ ADI.GDT 5/27/15



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▽ Water Level at Time of Drilling/Excavation
▽ Static Water Level



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

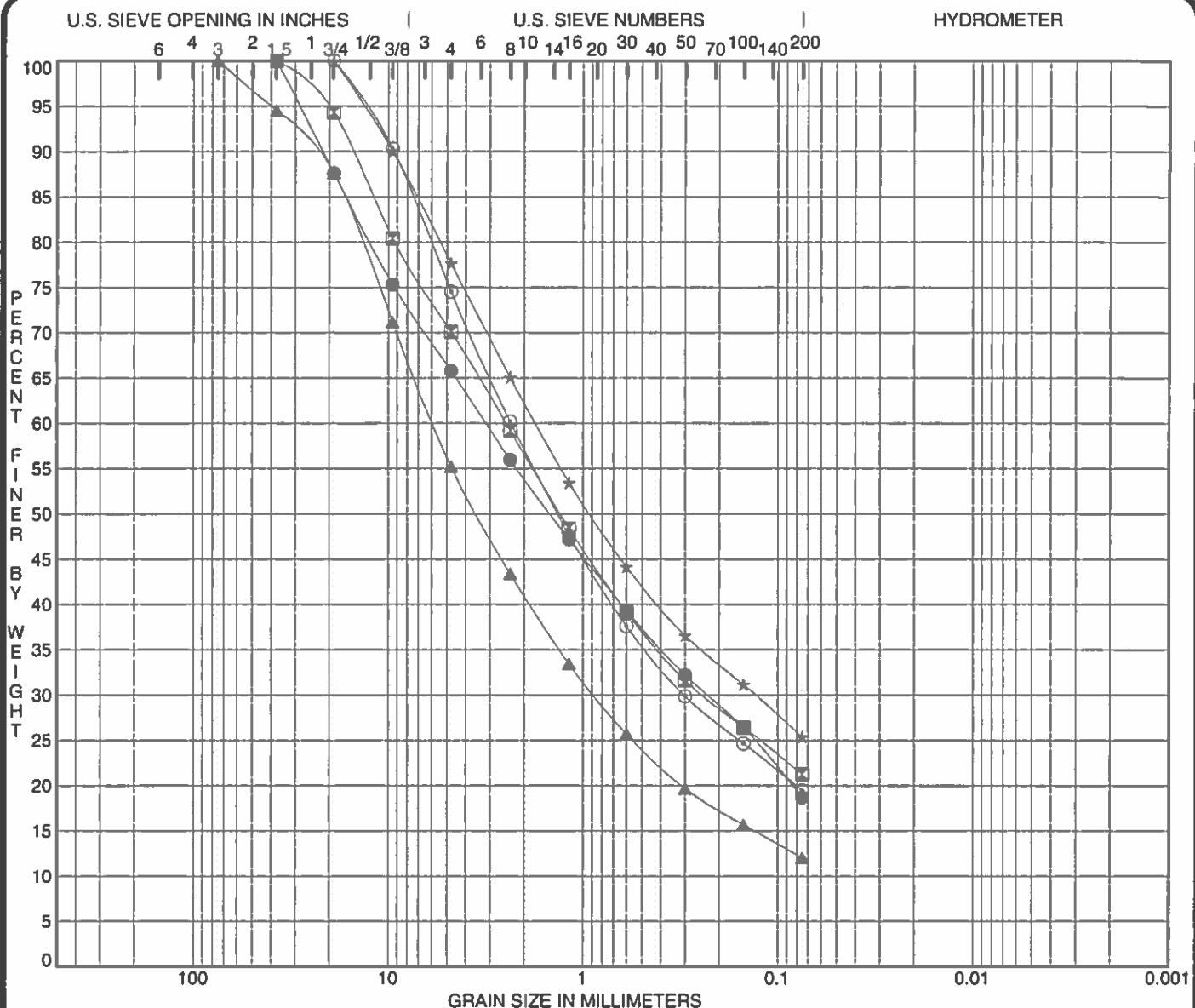
Location	Depth (m)	Classification (USCS)				MC%	LL	PL	PI	Cc	Cu
● TP02	2.0	Silty GRAVEL and SAND (GM)				8.6					
☒ TP05	2.0	Gravelly, silty SAND (SM)				8.6					
▲ TP08	1.6	GRAVEL and SAND; some silt (GM)				11.5					
★ TP12	3.1	Silty SAND and GRAVEL (SM)				8.2					
⊙ TP15	3.2	Silty, gravelly SAND (SM)				9.1					
Location	Depth (m)	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay		
● TP02	2.0	37.50	4.72	0.163		39.9	36.0	24.1			
☒ TP05	2.0	37.50	3.36	0.281		34.1	44.8	21.1			
▲ TP08	1.6	75.00	7.72	0.708		48.4	36.5	15.1			
★ TP12	3.1	75.00	3.56	0.258		35.6	44.2	20.2			
⊙ TP15	3.2	37.50	1.39	0.116		22.6	53.2	24.2			

PROJECT Edinburgh Group Limited - Engineering Study - Proposed Cottage Lot Development, Ocean Pond, JOB NO. SJN-215494-A0
 DATE 03-02-15

NL

GRADATION CURVES

exp Services Inc.
 St. John's, NL



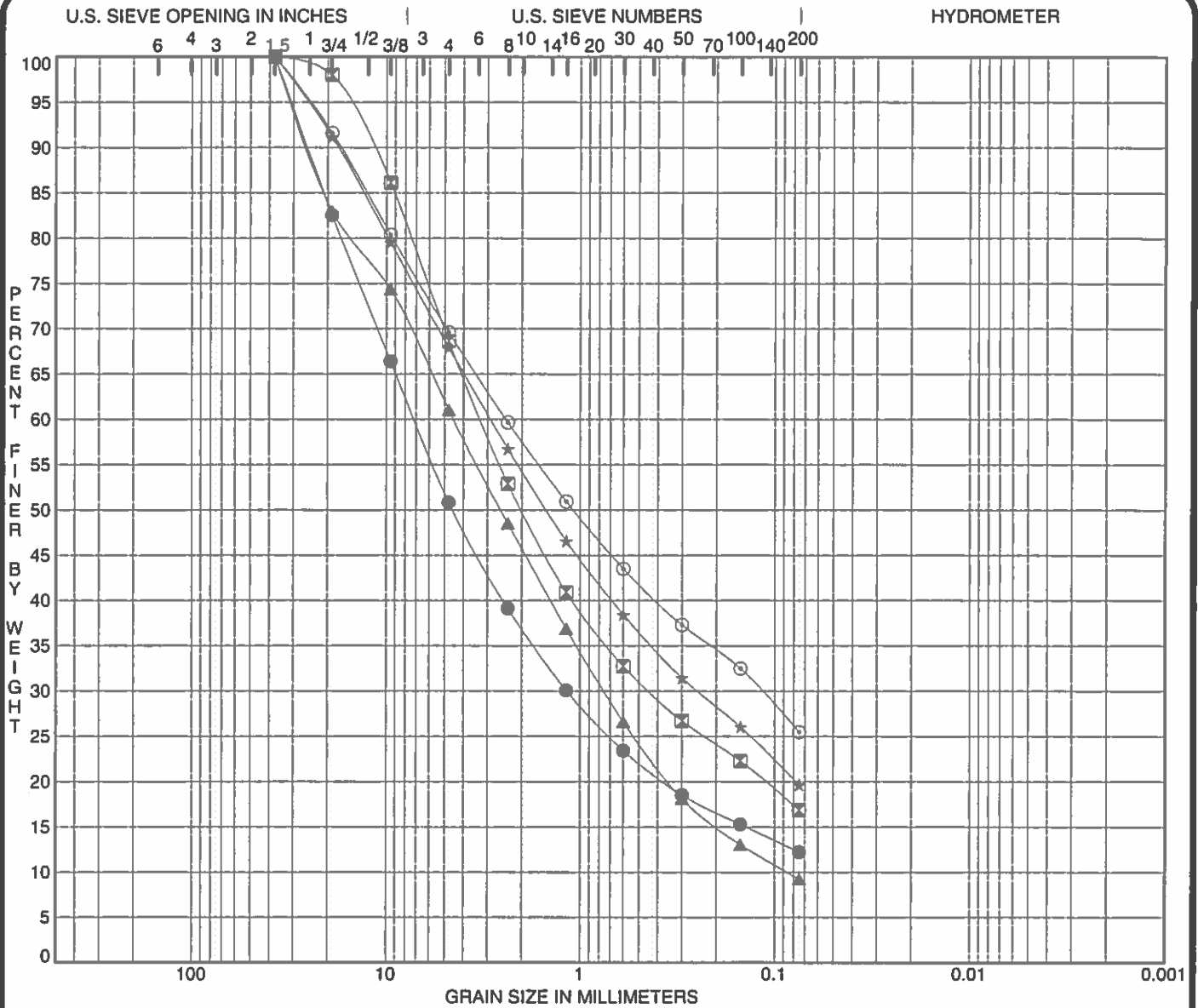
COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Location	Depth (m)	Classification (USCS)				MC%	LL	PL	PI	Cc	Cu
● TP16	1.8	Gravelly SAND; some silt (SM)				11.4					
⊠ TP18	2.7	Gravelly, silty SAND (SM)				8.3					
▲ TP20	1.1	GRAVEL and SAND; some silt (GW-GM)				5.8				2.56	115.0
★ TP23	2.6	Silty, gravelly SAND (SM)				9.1					
⊙ TP24	2.2	Gravelly SAND; some silt (SM)				8.4					
Location	Depth (m)	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay		
● TP16	1.8	37.50	3.15	0.231		34.3	47.0	18.7			
⊠ TP18	2.7	37.50	2.48	0.242		30.0	48.8	21.3			
▲ TP20	1.1	75.00	5.86	0.875		44.8	43.1	12.0			
★ TP23	2.6	19.00	1.75	0.131		22.4	52.2	25.3			
⊙ TP24	2.2	19.00	2.34	0.304		25.5	55.0	19.5			

PROJECT **Edinburgh Group Limited - Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL** JOB NO. SJN-215494-A0 DATE 03-02-15

GRADATION CURVES

exp Services Inc.
St. John's, NL



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

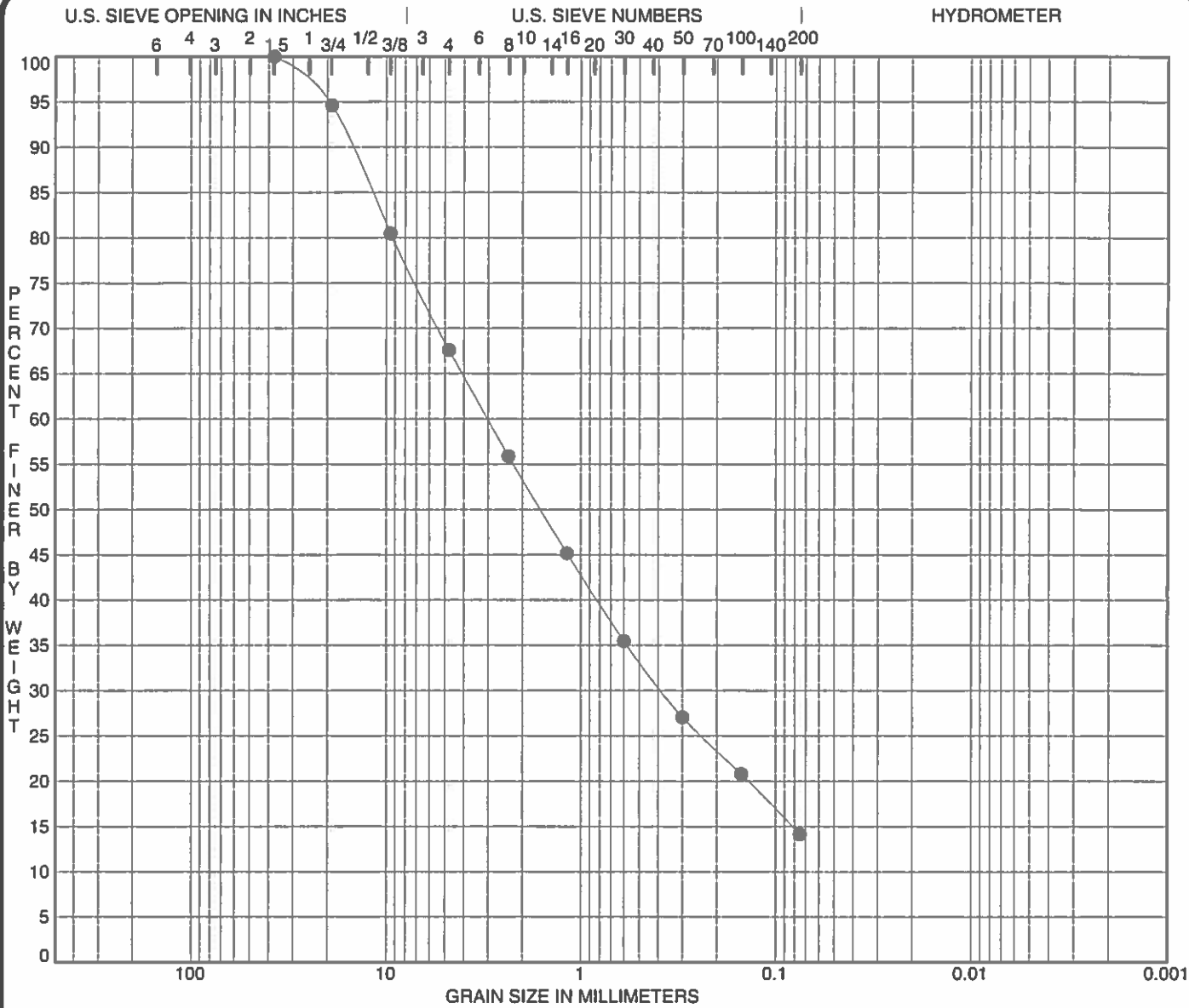
Location	Depth (m)	Classification (USCS)	MC%	LL	PL	PI	Cc	Cu
● TP27	2.0	GRAVEL and SAND; some silt (GM)	6.5				4.22	157.4
⊠ TP30	1.2	Gravelly SAND; some silt (SM)	11.1					
▲ TP31	1.8	SAND and GRAVEL; trace silt (SW-SM)	6.3				1.45	51.9
★ TP34	3.3	Gravelly SAND; some silt (SM)	11.1					
⊙ TP37	1.9	Gravelly, silty SAND (SM)	8.9					

Location	Depth (m)	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● TP27	2.0	37.50	7.15	1.171		49.2	38.6	12.2	
⊠ TP30	1.2	37.50	3.24	0.438		31.4	51.7	16.9	
▲ TP31	1.8	37.50	4.49	0.751	0.0865	39.0	51.8	9.2	
★ TP34	3.3	37.50	2.90	0.249		32.1	48.2	19.6	
⊙ TP37	1.9	37.50	2.42	0.117		30.4	44.1	25.5	

PROJECT **Edinburgh Group Limited - Engineering Study - Proposed Cottage Lot Development, Ocean Pond,** JOB NO. **SJN-215494-A0**
 DATE **03-02-15**

GRADATION CURVES

exp Services Inc.
 St. John's, NL



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Location	Depth (m)	Classification (USCS)	MC%	LL	PL	PI	Cc	Cu
● TP38	1.6	Gravelly SAND; some silt (SM)	5.6					

Location	Depth (m)	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● TP38	1.6	37.50	3.02	0.383		32.4	53.4	14.1	

PROJECT **Edinburgh Group Limited - Engineering Study - Proposed Cottage Lot Development, Ocean Pond, NL** JOB NO. **SJN-215494-A0**
 DATE **03-02-15**

GRADATION CURVES

exp Services Inc.
 St. John's, NL

Table A1: Water Table Monitoring – Proposed Cabin Lot Development - Ocean Pond Property
 SJN-00215494-A0

Date 9-Feb-15																					
Mean Temperature		25 °C																			
Test Pit I.D.		TP01	TP02	TP03	TP04	TP05	TP06	TP07	TP08	TP09	TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20
Exist Ground Elevation (m)		92.00	93.57	97.51	88.70	95.37	95.70	91.49	90.63	92.90	88.47	94.99	93.87	98.65	89.58	90.18	92.09	86.15	94.70		
Top/Monitor Well Elevation (m)		92.90	94.94	98.56	89.50	96.26	96.54	92.63	91.79	93.85	89.66	96.21	94.38	99.87	90.17	91.55	93.58	87.30	95.74		
Monitor Well Stick-up (m)		0.90	1.37	1.05	0.80	0.89	0.84	1.14	1.16	0.95	1.19	1.22	0.51	1.22	0.59	1.37	1.49	1.15	1.04		
Depth to GW from Top/MW (m)		2.55	4.57	4.57	1.17	4.16	3.50	2.70	2.12	4.57	1.94	6.58	4.81	6.78	0.92	4.57	1.53	4.57	1.04		
GW Depth Below Ground Surface (m)		1.65	3.52	0.37	3.27	2.66	1.56	0.96	3.62	0.75	5.36	4.30	5.56	0.33	3.08	0.38	3.08	0.38	3.08		
Groundwater Elevation (m)		90.35	93.99	88.33	92.10	93.04	89.93	89.67	89.28	87.72	89.63	89.57	93.09	89.25	89.01	85.77	89.01	85.77	89.01		
Bottom TP Elevation (m)		88.00	90.10	93.50	86.10	91.50	91.70	88.90	88.60	88.70	85.80	89.40	88.10	92.90	87.30	85.40	87.90	84.10	92.00		
Total Weekly Precipitation (rain/snow)		37.9 mm/1.0 mm																			
Test Pit I.D.		TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20									
Test Pit Not Excavated		Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated									
Bottom TP Elevation (m)		85.80	87.79	89.56	88.10	89.34	92.90	87.30	85.40	87.90	84.10	92.00									
Total Weekly Precipitation (rain/snow)		37.3 mm/0.0 mm																			
Test Pit I.D.		TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20									
Test Pit Not Excavated		Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated									
Bottom TP Elevation (m)		85.80	87.79	89.62	88.10	89.45	93.00	89.25	85.40	87.90	84.10	92.00									
Total Weekly Precipitation (rain/snow)		20.7 mm/20.0 mm																			
Test Pit I.D.		TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20									
Test Pit Not Excavated		Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated									
Bottom TP Elevation (m)		85.80	87.99	89.55	88.10	89.35	92.90	87.30	85.40	87.90	84.10	92.00									
Total Weekly Precipitation (rain/snow)		13.0 mm/54.0 mm																			
Test Pit I.D.		TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20									
Test Pit Not Excavated		Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated									
Bottom TP Elevation (m)		85.80	87.79	89.56	88.10	89.34	92.90	87.30	85.40	87.90	84.10	92.00									

Date 22-Feb-15																					
Mean Temperature		°C																			
Test Pit I.D.		TP01	TP02	TP03	TP04	TP05	TP06	TP07	TP08	TP09	TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20
Exist Ground Elevation (m)		92.00	93.57	97.51	88.70	95.37	95.70	91.49	90.63	92.90	88.47	94.99	93.87	98.65	89.58	90.18	92.09	86.15	94.70		
Top/Monitor Well Elevation (m)		92.90	94.94	98.56	89.50	96.26	96.54	92.63	91.79	93.85	89.66	96.21	94.38	99.87	90.17	91.55	93.58	87.30	95.74		
Monitor Well Stick-up (m)		0.90	1.37	1.05	0.80	0.89	0.84	1.14	1.16	0.95	1.19	1.22	0.51	1.22	0.59	1.37	1.49	1.15	1.04		
Depth to GW from Top/MW (m)		2.79	4.57	4.57	1.16	4.11	4.50	3.00	2.12	4.56	1.67	6.66	5.03	6.97	1.19	4.57	1.54	4.57	1.04		
GW Depth Below Ground Surface (m)		1.89	3.52	0.36	3.22	3.66	1.86	0.96	3.61	0.48	5.44	4.52	5.75	0.60	3.08	0.39	3.08	0.39	3.08		
Groundwater Elevation (m)		90.11	93.99	88.34	92.15	92.04	89.63	89.67	89.29	87.99	89.55	89.35	92.90	88.98	89.01	85.76	89.01	85.76	89.01		
Bottom TP Elevation (m)		88.00	90.10	93.50	86.10	91.50	91.70	88.90	88.60	88.70	85.80	89.40	88.10	92.90	87.30	85.40	87.90	84.10	92.00		
Total Weekly Precipitation (rain/snow)		20.7 mm/20.0 mm																			
Test Pit I.D.		TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20									
Test Pit Not Excavated		Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated									
Bottom TP Elevation (m)		85.80	87.99	89.55	88.10	89.35	92.90	87.30	85.40	87.90	84.10	92.00									
Total Weekly Precipitation (rain/snow)		13.0 mm/54.0 mm																			
Test Pit I.D.		TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20									
Test Pit Not Excavated		Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated									
Bottom TP Elevation (m)		85.80	87.79	89.56	88.10	89.34	92.90	87.30	85.40	87.90	84.10	92.00									

Date 1-Mar-15																					
Mean Temperature		°C																			
Test Pit I.D.		TP01	TP02	TP03	TP04	TP05	TP06	TP07	TP08	TP09	TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20
Exist Ground Elevation (m)		92.00	93.57	97.51	88.70	95.37	95.70	91.49	90.63	92.90	88.47	94.99	93.87	98.65	89.58	90.18	92.09	86.15	94.70		
Top/Monitor Well Elevation (m)		92.90	94.94	98.56	89.50	96.26	96.54	92.63	91.79	93.85	89.66	96.21	94.38	99.87	90.17	91.55	93.58	87.30	95.74		
Monitor Well Stick-up (m)		0.90	1.37	1.05	0.80	0.89	0.84	1.14	1.16	0.95	1.19	1.22	0.51	1.22	0.59	1.37	1.49	1.15	1.04		
Depth to GW from Top/MW (m)		2.60	4.56	4.56	1.18	4.13	3.68	2.92	2.10	4.56	1.87	6.65	5.04	6.98	1.10	4.56	1.54	4.56	1.04		
GW Depth Below Ground Surface (m)		1.70	3.51	0.38	3.24	2.84	1.78	0.94	3.61	0.68	5.43	4.53	5.76	0.51	3.07	0.39	3.07	0.39	3.07		
Groundwater Elevation (m)		90.30	94.00	88.32	92.13	92.86	89.71	89.69	89.29	87.79	89.56	89.34	92.89	89.07	89.02	85.76	89.02	85.76	89.02		
Bottom TP Elevation (m)		88.00	90.10	93.50	86.10	91.50	91.70	88.90	88.60	88.70	85.80	89.40	88.10	92.90	87.30	85.40	87.90	84.10	92.00		
Total Weekly Precipitation (rain/snow)		13.0 mm/54.0 mm																			
Test Pit I.D.		TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20									
Test Pit Not Excavated		Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated	Test Pit Not Excavated									
Bottom TP Elevation (m)		85.80	87.79	89.56	88.10	89.34	92.90	87.30	85.40	87.90	84.10	92.00									

Table A1: Water Table Monitoring – Proposed Cabin Lot Development - Ocean Pond Property
 SJN-00215494-A0

Date 9-Feb-15		Total Weekly Precipitation (rain/snow)																				37.9 mm/1.0 mm	
Mean Temperature 25 °C																							
Test Pit I.D.	TP21	TP22	TP23	TP24	TP25	TP26	TP27	TP28	TP29	TP30	TP31	TP32	TP33	TP34	TP35	TP36	TP37	TP38	TP39	TP40			
Exist Ground Elevation (m)	82.57	92.49	94.10	94.92	98.97	96.54	100.56	86.99	93.21	84.29	92.21	84.31	81.90	86.61	87.04	91.06	85.29	84.49	83.17	84.29			
Top/Monitor Well Elevation (m)	83.42	93.63	94.15	95.91	100.11	97.44	101.89	87.79	94.20	85.72	93.16	85.61	82.53	88.03	87.71	92.03	85.99	85.32	83.65	84.80			
Monitor Well Stick-up (m)	0.85	1.14	0.05	0.99	1.14	0.90	1.33	0.80	0.99	1.43	0.95	1.30	0.63	1.42	0.67	0.97	0.70	0.83	0.48	0.51			
Depth to GW from Top/MW (m)	1.46	3.70	4.81	4.30	4.57	4.57	1.18	1.18	2.85	2.85	4.56	1.29	1.43	5.49	4.45	2.61	2.61	3.63	2.22	0.92			
GW Depth Below Ground Surface (m)	0.61	2.56	4.76	3.31	3.67	3.67	0.38	0.38	1.42	1.42	3.61	-0.01	0.80	4.07	3.78	1.91	1.91	2.80	1.74	0.41			
Groundwater Elevation (m)	81.96	89.93	89.34	91.61	92.87	92.87	86.61	86.61	82.87	82.87	88.60	84.32	81.10	82.54	83.26	83.38	83.38	81.69	81.43	83.88			
Bottom TP Elevation (m)	79.90	88.50	98.10	91.00	95.40	92.70	97.30	85.00	89.50	82.30	88.60	81.90	79.30	82.10	80.30	86.90	82.60	82.10	80.80	82.30			

Date 16-Feb-15		Total Weekly Precipitation (rain/snow)																				37.3 mm/0.0 mm	
Mean Temperature °C																							
Test Pit I.D.	TP21	TP22	TP23	TP24	TP25	TP26	TP27	TP28	TP29	TP30	TP31	TP32	TP33	TP34	TP35	TP36	TP37	TP38	TP39	TP40			
Exist Ground Elevation (m)	82.57	92.49	94.10	94.92	98.97	96.54	100.56	86.99	93.21	84.29	92.21	84.31	81.90	86.61	87.04	91.06	85.29	84.49	83.17	84.29			
Top/Monitor Well Elevation (m)	83.42	93.63	94.15	95.91	100.11	97.44	101.89	87.79	94.20	85.72	93.16	85.61	82.53	88.03	87.71	92.03	85.99	85.32	83.65	84.80			
Monitor Well Stick-up (m)	0.85	1.14	0.05	0.99	1.14	0.90	1.33	0.80	0.99	1.43	0.95	1.30	0.63	1.42	0.67	0.97	0.70	0.83	0.48	0.51			
Depth to GW from Top/MW (m)	1.46	3.93	4.84	4.50	4.58	4.58	1.18	1.18	2.91	2.91	4.56	1.58	1.41	5.68	4.72	2.94	2.94	3.50	1.84	0.96			
GW Depth Below Ground Surface (m)	0.61	2.79	4.79	3.51	3.68	3.68	0.38	0.38	1.48	1.48	3.61	0.28	0.78	4.26	4.05	2.24	2.24	2.67	1.36	0.45			
Groundwater Elevation (m)	81.96	89.70	89.31	91.41	92.86	92.86	86.61	86.61	82.81	82.81	88.60	84.03	81.12	82.35	82.99	83.05	83.05	81.82	81.81	83.84			
Bottom TP Elevation (m)	79.90	88.50	98.10	91.00	95.40	92.70	97.30	85.00	89.50	82.30	88.60	81.90	79.30	82.10	80.30	86.90	82.60	82.10	80.80	82.30			

Date 22-Feb-15		Total Weekly Precipitation (rain/snow)																				20.7 mm/20.0 mm	
Mean Temperature °C																							
Test Pit I.D.	TP21	TP22	TP23	TP24	TP25	TP26	TP27	TP28	TP29	TP30	TP31	TP32	TP33	TP34	TP35	TP36	TP37	TP38	TP39	TP40			
Exist Ground Elevation (m)	82.57	92.49	94.10	94.92	98.97	96.54	100.56	86.99	93.21	84.29	92.21	84.31	81.90	86.61	87.04	91.06	85.29	84.49	83.17	84.29			
Top/Monitor Well Elevation (m)	83.42	93.63	94.15	95.91	100.11	97.44	101.89	87.79	94.20	85.72	93.16	85.61	82.53	88.03	87.71	92.03	85.99	85.32	83.65	84.80			
Monitor Well Stick-up (m)	0.85	1.14	0.05	0.99	1.14	0.90	1.33	0.80	0.99	1.43	0.95	1.30	0.63	1.42	0.67	0.97	0.70	0.83	0.48	0.51			
Depth to GW from Top/MW (m)	1.47	4.08	4.93	4.57	4.57	4.57	1.22	1.22	2.94	2.94	4.54	1.55	1.32	5.88	4.97	3.20	3.20	3.62	2.51	0.90			
GW Depth Below Ground Surface (m)	0.62	2.94	4.88	3.58	3.67	3.67	0.42	0.42	1.51	1.51	3.59	0.25	0.69	4.46	4.30	2.50	2.50	2.79	2.03	0.39			
Groundwater Elevation (m)	81.95	89.55	89.22	91.34	92.87	92.87	86.57	86.57	82.78	82.78	88.62	84.06	81.21	82.15	82.74	82.79	82.79	81.70	81.14	83.90			
Bottom TP Elevation (m)	79.90	88.50	98.10	91.00	95.40	92.70	97.30	85.00	89.50	82.30	88.60	81.90	79.30	82.10	80.30	86.90	82.60	82.10	80.80	82.30			

Date 1-Mar-15		Total Weekly Precipitation (rain/snow)																				13.0 mm/54.0 mm	
Mean Temperature °C																							
Test Pit I.D.	TP21	TP22	TP23	TP24	TP25	TP26	TP27	TP28	TP29	TP30	TP31	TP32	TP33	TP34	TP35	TP36	TP37	TP38	TP39	TP40			
Exist Ground Elevation (m)	82.57	92.49	94.10	94.92	98.97	96.54	100.56	86.99	93.21	84.29	92.21	84.31	81.90	86.61	87.04	91.06	85.29	84.49	83.17	84.29			
Top/Monitor Well Elevation (m)	83.42	93.63	94.15	95.91	100.11	97.44	101.89	87.79	94.20	85.72	93.16	85.61	82.53	88.03	87.71	92.03	85.99	85.32	83.65	84.80			
Monitor Well Stick-up (m)	0.85	1.14	0.05	0.99	1.14	0.90	1.33	0.80	0.99	1.43	0.95	1.30	0.63	1.42	0.67	0.97	0.70	0.83	0.48	0.51			
Depth to GW from Top/MW (m)	0.74	4.01	4.83	4.57	4.56	4.56	1.22	1.22	2.87	2.87	4.55	1.58	1.33	5.72	4.82	2.88	2.88	3.62	2.42	0.91			
GW Depth Below Ground Surface (m)	-0.11	2.87	4.78	3.58	3.66	3.66	0.42	0.42	1.44	1.44	3.60	0.28	0.70	4.30	4.15	2.18	2.18	2.79	1.94	0.40			
Groundwater Elevation (m)	82.68	89.62	89.32	91.34	92.88	92.88	86.57	86.57	82.85	82.85	88.61	84.03	81.20	82.31	82.89	83.11	83.11	81.70	81.23	83.89			
Bottom TP Elevation (m)	79.90	88.50	98.10	91.00	95.40	92.70	97.30	85.00	89.50	82.30	88.60	81.90	79.30	82.10	80.30	86.90	82.60	82.10	80.80	82.30			

Table A1: Water Table Monitoring – Ocean Pond Development
SUN-00215494-A0

Date 6-Mar-15		Total Weekly Precipitation (rain/snow)																				26.6 mm/15.0 mm	
Mean Temperature °C																							
Test Pit I.D.		TP01	TP02	TP03	TP04	TP05	TP06	TP07	TP08	TP09	TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20		
Exist Ground Elevation (m)	92.00	93.57	97.51	88.70	95.37	95.70	91.49	90.63	92.90	92.90	88.47	94.99	93.87	98.65	89.58	90.18	92.09	86.15	94.70				
Top/Monitor Well Elevation (m)	92.90	94.94	98.56	89.50	96.26	96.54	92.63	91.79	93.85	93.85	89.66	96.21	94.38	99.87	90.17	91.55	93.58	87.30	95.74				
Monitor Well Stick-up (m)	0.90	1.37	1.05	0.80	0.89	0.84	1.14	1.16	0.95	0.95	1.19	1.22	0.51	1.22	0.59	1.37	1.49	1.15	1.04				
Depth to GW from Top/MMW (m)	2.75	1.37	4.56	1.19	4.40	3.76	3.10	2.12	4.56	4.56	1.86	6.72	5.12	7.07	1.10	1.37	4.59	1.54	1.04				
GW Depth Below Ground Surface (m)	1.85	3.51	3.51	0.39	3.51	2.92	1.96	0.96	3.61	3.61	0.67	5.50	4.61	5.85	0.51	3.10	0.39	3.10	0.39	2.10			
Groundwater Elevation (m)	90.15	94.00	94.00	88.31	91.86	92.78	89.53	89.67	89.29	89.29	87.80	89.49	89.26	92.80	89.07	88.99	88.99	85.76	85.76	92.00			
Bottom TP Elevation (m)	88.00	90.10	93.50	86.10	91.50	91.70	88.90	88.60	88.70	88.70	85.80	89.40	88.10	92.90	87.30	85.40	87.90	84.10	84.10	92.00			

Date 14-Mar-15		Total Weekly Precipitation (rain/snow)																				12.0 mm/17.0 mm	
Mean Temperature °C																							
Test Pit I.D.		TP01	TP02	TP03	TP04	TP05	TP06	TP07	TP08	TP09	TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20		
Exist Ground Elevation (m)	92.00	93.57	97.51	88.70	95.37	95.70	91.49	90.63	92.90	92.90	88.47	94.99	93.87	98.65	89.58	90.18	92.09	86.15	94.70				
Top/Monitor Well Elevation (m)	92.90	94.94	98.56	89.50	96.26	96.54	92.63	91.79	93.85	93.85	89.66	96.21	94.38	99.87	90.17	91.55	93.58	87.30	95.74				
Monitor Well Stick-up (m)	0.90	1.37	1.05	0.80	0.89	0.84	1.14	1.16	0.95	0.95	1.19	1.22	0.51	1.22	0.59	1.37	1.49	1.15	1.04				
Depth to GW from Top/MMW (m)	2.91	1.37	4.58	1.19	4.38	3.87	3.14	2.12	4.59	4.59	1.83	6.76	5.21	7.08	1.10	1.37	4.58	1.54	1.04				
GW Depth Below Ground Surface (m)	2.01	3.53	3.53	0.39	3.49	3.03	2.00	0.96	3.64	3.64	0.64	5.54	4.70	5.86	0.51	3.09	0.39	3.09	0.39	2.10			
Groundwater Elevation (m)	89.99	93.98	93.98	88.31	91.88	92.67	89.49	89.67	89.26	89.26	87.83	89.45	89.17	92.79	89.07	89.00	89.00	85.76	85.76	92.00			
Bottom TP Elevation (m)	88.00	90.10	93.50	86.10	91.50	91.70	88.90	88.60	88.70	88.70	85.80	89.40	88.10	92.90	87.30	85.40	87.90	84.10	84.10	92.00			

Date 21-Mar-15		Total Weekly Precipitation (rain/snow)																				34.0 mm/0.0 mm	
Mean Temperature °C																							
Test Pit I.D.		TP01	TP02	TP03	TP04	TP05	TP06	TP07	TP08	TP09	TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20		
Exist Ground Elevation (m)	92.00	93.57	97.51	88.70	95.37	95.70	91.49	90.63	92.90	92.90	88.47	94.99	93.87	98.65	89.58	90.18	92.09	86.15	94.70				
Top/Monitor Well Elevation (m)	92.90	94.94	98.56	89.50	96.26	96.54	92.63	91.79	93.85	93.85	89.66	96.21	94.38	99.87	90.17	91.55	93.58	87.30	95.74				
Monitor Well Stick-up (m)	0.90	1.37	1.05	0.80	0.89	0.84	1.14	1.16	0.95	0.95	1.19	1.22	0.51	1.22	0.59	1.37	1.49	1.15	1.04				
Depth to GW from Top/MMW (m)	3.08	1.37	4.58	1.19	4.54	3.92	3.17	2.14	4.58	4.58	1.19	6.77	5.28	7.07	1.10	1.37	4.56	1.54	1.04				
GW Depth Below Ground Surface (m)	2.18	3.53	3.53	0.39	3.65	3.08	2.03	0.98	3.63	3.63	0.64	5.55	4.77	5.85	0.51	3.07	0.39	3.07	0.39	2.10			
Groundwater Elevation (m)	89.82	93.98	93.98	88.31	91.72	92.62	89.46	89.65	89.27	89.27	87.80	89.44	89.10	92.80	89.07	89.02	89.02	85.76	85.76	92.00			
Bottom TP Elevation (m)	88.00	90.10	93.50	86.10	91.50	91.70	88.90	88.60	88.70	88.70	85.80	89.40	88.10	92.90	87.30	85.40	87.90	84.10	84.10	92.00			

Date 29-Mar-15		Total Weekly Precipitation (rain/snow)																				45.6 mm/0.0 mm	
Mean Temperature °C																							
Test Pit I.D.		TP01	TP02	TP03	TP04	TP05	TP06	TP07	TP08	TP09	TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20		
Exist Ground Elevation (m)	92.00	93.57	97.51	88.70	95.37	95.70	91.49	90.63	92.90	92.90	88.47	94.99	93.87	98.65	89.58	90.18	92.09	86.15	94.70				
Top/Monitor Well Elevation (m)	92.90	94.94	98.56	89.50	96.26	96.54	92.63	91.79	93.85	93.85	89.66	96.21	94.38	99.87	90.17	91.55	93.58	87.30	95.74				
Monitor Well Stick-up (m)	0.90	1.37	1.05	0.80	0.89	0.84	1.14	1.16	0.95	0.95	1.19	1.22	0.51	1.22	0.59	1.37	1.49	1.15	1.04				
Depth to GW from Top/MMW (m)	2.65	1.37	4.41	1.14	3.68	3.84	2.93	2.01	4.55	4.55	1.78	6.67	5.18	7.05	1.15	1.37	4.55	1.53	1.04				
GW Depth Below Ground Surface (m)	1.75	3.36	3.36	0.34	2.79	3.00	1.79	0.85	3.60	3.60	0.59	5.45	4.67	5.83	0.56	3.06	0.38	3.06	0.38	2.10			
Groundwater Elevation (m)	90.25	94.15	94.15	88.36	92.58	92.70	89.70	89.78	89.30	89.30	87.88	89.54	89.20	92.82	89.02	89.02	89.02	85.77	85.77	92.60			
Bottom TP Elevation (m)	88.00	90.10	93.50	86.10	91.50	91.70	88.90	88.60	88.70	88.70	85.80	89.40	88.10	92.90	87.30	85.40	87.90	84.10	84.10	92.00			

Table A1: Water Table Monitoring – Ocean Pond Development
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Date 6-Mar-15		Total Weekly Precipitation (rain/snow)																				26.6 mm/15.0 mm	
Mean Temperature °C																							
Test Pit I.D.		TP21	TP22	TP23	TP24	TP25	TP26	TP27	TP28	TP29	TP30	TP31	TP32	TP33	TP34	TP35	TP36	TP37	TP38	TP39	TP40		
Exist Ground Elevation (m)	82.57	92.49	94.10	94.92	98.97	96.54	100.56	86.99	93.21	84.29	92.21	84.31	81.90	86.61	87.04	91.06	85.29	84.49	83.17	84.29			
Top/Monitor Well Elevation (m)	83.42	93.63	94.15	95.91	100.11	97.44	101.89	87.79	94.20	85.72	93.16	85.61	82.53	88.03	87.71	92.03	85.99	85.32	83.65	84.80			
Monitor Well Stick-up (m)	0.85	1.14	0.05	0.99	1.14	0.90	1.33	0.80	0.99	1.43	0.95	1.30	0.63	1.42	0.67	0.97	0.70	0.83	0.48	0.51			
Depth to GW from Top/MMW (m)	0.74	4.06	4.97	4.70	4.57	4.57	1.20	1.20	2.93	2.93	4.55	1.59	1.36	5.92	5.00	4.20	3.61	2.58	0.94				
GW Depth Below Ground Surface (m)	-0.11	2.92	4.92	3.71	3.67	3.67	0.40	0.40	1.50	1.50	3.60	0.29	0.73	4.50	4.33	3.50	2.78	2.10	0.43				
Groundwater Elevation (m)	82.68	89.57	89.18	91.21	92.87	92.87	86.59	89.50	82.79	82.79	88.61	84.02	81.17	82.11	82.71	81.79	81.71	81.07	83.86				
Bottom TP Elevation (m)	79.90	88.50	98.10	91.00	95.40	92.70	85.00	89.50	82.30	82.30	88.60	81.90	79.30	82.10	80.30	86.90	82.60	82.10	80.80	82.30			

Date 14-Mar-15		Total Weekly Precipitation (rain/snow)																				12.0 mm/17.0 mm	
Mean Temperature °C																							
Test Pit I.D.		TP21	TP22	TP23	TP24	TP25	TP26	TP27	TP28	TP29	TP30	TP31	TP32	TP33	TP34	TP35	TP36	TP37	TP38	TP39	TP40		
Exist Ground Elevation (m)	82.57	92.49	94.10	94.92	98.97	96.54	100.56	86.99	93.21	84.29	92.21	84.31	81.90	86.61	87.04	91.06	85.29	84.49	83.17	84.29			
Top/Monitor Well Elevation (m)	83.42	93.63	94.15	95.91	100.11	97.44	101.89	87.79	94.20	85.72	93.16	85.61	82.53	88.03	87.71	92.03	85.99	85.32	83.65	84.80			
Monitor Well Stick-up (m)	0.85	1.14	0.05	0.99	1.14	0.90	1.33	0.80	0.99	1.43	0.95	1.30	0.63	1.42	0.67	0.97	0.70	0.83	0.48	0.51			
Depth to GW from Top/MMW (m)	1.47	4.18	5.01	4.58	4.64	4.64	1.20	1.20	2.95	2.95	4.55	1.59	1.34	5.82	5.27	3.04	3.61	2.69	0.96				
GW Depth Below Ground Surface (m)	0.62	3.04	4.96	3.59	3.74	3.74	0.40	0.40	1.52	1.52	3.60	0.29	0.71	4.40	4.60	2.34	2.78	2.21	0.45				
Groundwater Elevation (m)	81.95	89.45	89.14	91.33	92.80	92.80	86.59	89.50	82.77	82.77	88.60	84.02	81.19	82.21	82.44	82.95	81.71	80.96	83.84				
Bottom TP Elevation (m)	79.90	88.50	98.10	91.00	95.40	92.70	85.00	89.50	82.30	82.30	88.60	81.90	79.30	82.10	80.30	86.90	82.60	82.10	80.80	82.30			

Date 21-Mar-15		Total Weekly Precipitation (rain/snow)																				34.0 mm/0.0 mm	
Mean Temperature °C																							
Test Pit I.D.		TP21	TP22	TP23	TP24	TP25	TP26	TP27	TP28	TP29	TP30	TP31	TP32	TP33	TP34	TP35	TP36	TP37	TP38	TP39	TP40		
Exist Ground Elevation (m)	82.57	92.49	94.10	94.92	98.97	96.54	100.56	86.99	93.21	84.29	92.21	84.31	81.90	86.61	87.04	91.06	85.29	84.49	83.17	84.29			
Top/Monitor Well Elevation (m)	83.42	93.63	94.15	95.91	100.11	97.44	101.89	87.79	94.20	85.72	93.16	85.61	82.53	88.03	87.71	92.03	85.99	85.32	83.65	84.80			
Monitor Well Stick-up (m)	0.85	1.14	0.05	0.99	1.14	0.90	1.33	0.80	0.99	1.43	0.95	1.30	0.63	1.42	0.67	0.97	0.70	0.83	0.48	0.51			
Depth to GW from Top/MMW (m)	1.47	4.25	5.14	4.55	4.56	4.56	1.19	1.19	3.01	3.01	4.55	1.59	1.33	6.07	5.44	3.03	3.61	2.85	0.98				
GW Depth Below Ground Surface (m)	0.62	3.11	5.09	3.56	3.66	3.66	0.39	0.39	1.58	1.58	3.60	0.29	0.70	4.65	4.77	2.33	2.78	2.37	0.47				
Groundwater Elevation (m)	81.95	89.38	89.01	91.36	92.88	92.88	86.60	89.50	82.71	82.71	88.60	84.02	81.20	81.96	82.27	82.96	81.71	80.80	83.82				
Bottom TP Elevation (m)	79.90	88.50	98.10	91.00	95.40	92.70	85.00	89.50	82.30	82.30	88.60	81.90	79.30	82.10	80.30	86.90	82.60	82.10	80.80	82.30			

Date 29-Mar-15		Total Weekly Precipitation (rain/snow)																				45.6 mm/0.0 mm	
Mean Temperature °C																							
Test Pit I.D.		TP21	TP22	TP23	TP24	TP25	TP26	TP27	TP28	TP29	TP30	TP31	TP32	TP33	TP34	TP35	TP36	TP37	TP38	TP39	TP40		
Exist Ground Elevation (m)	82.57	92.49	94.10	94.92	98.97	96.54	100.56	86.99	93.21	84.29	92.21	84.31	81.90	86.61	87.04	91.06	85.29	84.49	83.17	84.29			
Top/Monitor Well Elevation (m)	83.42	93.63	94.15	95.91	100.11	97.44	101.89	87.79	94.20	85.72	93.16	85.61	82.53	88.03	87.71	92.03	85.99	85.32	83.65	84.80			
Monitor Well Stick-up (m)	0.85	1.14	0.05	0.99	1.14	0.90	1.33	0.80	0.99	1.43	0.95	1.30	0.63	1.42	0.67	0.97	0.70	0.83	0.48	0.51			
Depth to GW from Top/MMW (m)	1.48	4.23	4.53	4.56	4.55	4.56	1.19	1.19	2.84	2.84	4.55	1.54	1.40	5.09	4.71	3.00	3.60	2.34	0.99				
GW Depth Below Ground Surface (m)	0.63	3.09	4.48	3.57	3.41	3.66	0.39	0.39	1.41	1.41	3.60	0.24	0.77	3.67	4.04	2.30	2.77	1.86	0.48				
Groundwater Elevation (m)	81.94	89.40	89.62	91.35	95.56	92.88	86.60	89.50	82.88	82.88	88.60	84.07	81.13	82.94	83.00	82.99	81.72	81.31	83.81				
Bottom TP Elevation (m)	79.90	88.50	98.10	91.00	95.40	92.70	85.00	89.50	82.30	82.30	88.60	81.90	79.30	82.10	80.30	86.90	82.60	82.10	80.80	82.30			

Table A1: Water Table Monitoring – Ocean Pond Development
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Date 5-Apr-15		Total Weekly Precipitation (rain/snow)										20.5 mm/0.0 mm									
Mean Temperature °C		TP01	TP02	TP03	TP04	TP05	TP06	TP07	TP08	TP09	TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20
Exist Ground Elevation (m)	92.00	93.57	97.51	88.70	95.37	95.70	91.49	90.63	92.90	Test Pit Not Excavated	88.47	94.99	Test Pit Not Excavated	93.87	98.65	89.58	90.18	92.09	86.15	94.70	
Top/Monitor Well Elevation (m)	92.90	94.94	98.56	89.50	96.26	96.54	92.63	91.79	93.85	89.66	96.21	94.38	99.87	90.17	91.55	93.58	87.30	95.74			
Monitor Well Stick-up (m)	0.90	1.37	1.05	0.80	0.89	0.84	1.14	1.16	0.95	1.19	1.22	0.51	1.22	0.59	1.37	1.49	1.15	1.04			
Depth to GW from Top/MW (m)	2.57	4.41	4.41	1.06	3.92	3.67	2.83	2.05	4.56	1.82	6.69	5.18	7.07	1.13	4.57	1.54	3.12				
GW Depth Below Ground Surface (m)	1.67	3.36	3.36	0.26	3.03	2.83	1.69	0.89	3.61	0.63	5.47	4.67	5.85	0.54	3.08	0.39	2.08				
Groundwater Elevation (m)	90.33	94.15	94.15	88.44	92.34	92.87	89.80	89.74	89.29	87.84	89.52	89.20	92.80	89.04	89.01	85.76	92.62				
Bottom TP Elevation (m)	88.00	90.10	93.50	86.10	91.50	91.70	88.90	88.60	88.70	85.80	89.40	88.10	92.90	87.30	85.40	87.90	84.10	92.00			
Date 12-Apr-15		Total Weekly Precipitation (rain/snow)										10.4 mm/0.0 mm									
Mean Temperature °C		TP01	TP02	TP03	TP04	TP05	TP06	TP07	TP08	TP09	TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20
Exist Ground Elevation (m)	92.00	93.57	97.51	88.70	95.37	95.70	91.49	90.63	92.90	Test Pit Not Excavated	88.47	94.99	Test Pit Not Excavated	93.87	98.65	89.58	90.18	92.09	86.15	94.70	
Top/Monitor Well Elevation (m)	92.90	94.94	98.56	89.50	96.26	96.54	92.63	91.79	93.85	89.66	96.21	94.38	99.87	90.17	91.55	93.58	87.30	95.74			
Monitor Well Stick-up (m)	0.90	1.37	1.05	0.80	0.89	0.84	1.14	1.16	0.95	1.19	1.22	0.51	1.22	0.59	1.37	1.49	1.15	1.04			
Depth to GW from Top/MW (m)	2.45	4.38	4.38	1.07	3.80	3.56	2.77	2.06	4.56	1.85	6.68	5.14	7.05	1.11	4.56	1.54	3.11				
GW Depth Below Ground Surface (m)	1.55	3.33	3.33	0.27	2.91	2.72	1.63	0.90	3.61	0.66	5.46	4.63	5.83	0.52	3.07	0.39	2.07				
Groundwater Elevation (m)	90.45	94.18	94.18	88.43	92.46	92.98	89.86	89.73	89.29	87.81	89.53	89.24	92.82	89.06	89.02	85.76	92.63				
Bottom TP Elevation (m)	88.00	90.10	93.50	86.10	91.50	91.70	88.90	88.60	88.70	85.80	89.40	88.10	92.90	87.30	85.40	87.90	84.10	92.00			
Date 18-Apr-15		Total Weekly Precipitation (rain/snow)										6.8 mm/0.0 mm									
Mean Temperature °C		TP01	TP02	TP03	TP04	TP05	TP06	TP07	TP08	TP09	TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20
Exist Ground Elevation (m)	92.00	93.57	97.51	88.70	95.37	95.70	91.49	90.63	92.90	Test Pit Not Excavated	88.47	94.99	Test Pit Not Excavated	93.87	98.65	89.58	90.18	92.09	86.15	94.70	
Top/Monitor Well Elevation (m)	92.90	94.94	98.56	89.50	96.26	96.54	92.63	91.79	93.85	89.66	96.21	94.38	99.87	90.17	91.55	93.58	87.30	95.74			
Monitor Well Stick-up (m)	0.90	1.37	1.05	0.80	0.89	0.84	1.14	1.16	0.95	1.19	1.22	0.51	1.22	0.59	1.37	1.49	1.15	1.04			
Depth to GW from Top/MW (m)	2.27	4.53	4.53	1.20	4.07	2.24	2.51	2.12	4.55	1.82	6.49	4.76	6.75	1.09	4.56	1.62	3.04				
GW Depth Below Ground Surface (m)	1.37	3.48	3.48	0.40	3.18	1.40	1.37	0.96	3.60	0.63	5.27	4.25	5.53	0.50	3.07	0.47	2.00				
Groundwater Elevation (m)	90.63	94.03	94.03	88.30	92.19	94.30	90.12	89.67	89.30	87.84	89.72	89.62	93.12	89.08	89.02	85.68	92.70				
Bottom TP Elevation (m)	88.00	90.10	93.50	86.10	91.50	91.70	88.90	88.60	88.70	85.80	89.40	88.10	92.90	87.30	85.40	87.90	84.10	92.00			
Date 24-Apr-15		Total Weekly Precipitation (rain/snow)										0.0 mm/0.0 mm									
Mean Temperature °C		TP01	TP02	TP03	TP04	TP05	TP06	TP07	TP08	TP09	TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20
Exist Ground Elevation (m)	92.00	93.57	97.51	88.70	95.37	95.70	91.49	90.63	92.90	Test Pit Not Excavated	88.47	94.99	Test Pit Not Excavated	93.87	98.65	89.58	90.18	92.09	86.15	94.70	
Top/Monitor Well Elevation (m)	92.90	94.94	98.56	89.50	96.26	96.54	92.63	91.79	93.85	89.66	96.21	94.38	99.87	90.17	91.55	93.58	87.30	95.74			
Monitor Well Stick-up (m)	0.90	1.37	1.05	0.80	0.89	0.84	1.14	1.16	0.95	1.19	1.22	0.51	1.22	0.59	1.37	1.49	1.15	1.04			
Depth to GW from Top/MW (m)	2.37	4.56	4.56	1.26	4.52	3.52	2.71	2.06	4.56	2.51	6.53	4.73	6.75	1.09	4.56	1.63	3.04				
GW Depth Below Ground Surface (m)	1.47	3.51	3.51	0.46	3.63	2.68	1.57	0.90	3.61	1.32	5.31	4.22	5.53	0.50	3.07	0.48	2.00				
Groundwater Elevation (m)	90.53	94.00	94.00	88.24	91.74	93.02	89.92	89.73	89.29	87.15	89.68	89.65	93.12	89.08	89.02	85.67	92.70				
Bottom TP Elevation (m)	88.00	90.10	93.50	86.10	91.50	91.70	88.90	88.60	88.70	85.80	89.40	88.10	92.90	87.30	85.40	87.90	84.10	92.00			

Table A1: Water Table Monitoring – Ocean Pond Development
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Date 5-Apr-15		Date 12-Apr-15		Date 18-Apr-15		Date 24-Apr-15															
Mean Temperature °C		Mean Temperature °C		Mean Temperature °C		Mean Temperature °C															
Test Pit I.D.		Test Pit I.D.		Test Pit I.D.		Test Pit I.D.															
Exist Ground Elevation (m)	82.57	92.49	94.10	94.92	98.97	96.54	100.56	86.99	93.21	84.29	92.21	84.31	81.90	86.61	87.04	91.06	85.29	84.49	83.17	84.29	
Top/Monitor Well Elevation (m)	83.42	93.63	94.15	95.91	100.11	97.44	101.89	87.79	94.20	85.72	93.16	85.61	82.53	88.03	87.71	92.03	85.99	85.32	83.65	84.80	
Monitor Well Stick-up (m)	0.85	1.14	0.05	0.99	1.14	0.90	1.33	0.80	0.99	1.43	0.95	1.30	0.63	1.42	0.67	0.97	0.70	0.83	0.48	0.51	
Depth to GW from Top/MMW (m)	1.45	4.13	4.67	4.57	4.56	4.57	4.32	1.19	4.56	2.83	2.90	1.54	1.31	5.39	4.80	2.88	2.75	3.61	2.40	0.97	
GW Depth Below Ground Surface (m)	0.60	2.99	4.62	3.58	3.42	3.67	2.98	0.39	3.57	1.40	1.47	0.24	0.68	3.97	4.13	2.18	2.05	2.78	1.92	0.46	
Groundwater Elevation (m)	81.97	89.50	89.48	91.34	95.55	92.87	97.30	86.60	94.20	82.89	82.30	84.07	81.22	82.64	82.91	86.90	83.11	81.71	81.25	83.83	
Bottom TP Elevation (m)	79.90	88.50	98.10	91.00	95.40	92.70	97.30	85.00	89.50	82.30	88.60	81.90	79.30	82.10	80.30	86.90	82.60	82.10	80.80	82.30	
Total Weekly Precipitation (rain/snow)		Total Weekly Precipitation (rain/snow)		Total Weekly Precipitation (rain/snow)		Total Weekly Precipitation (rain/snow)		Total Weekly Precipitation (rain/snow)		Total Weekly Precipitation (rain/snow)		Total Weekly Precipitation (rain/snow)		Total Weekly Precipitation (rain/snow)		Total Weekly Precipitation (rain/snow)		Total Weekly Precipitation (rain/snow)		Total Weekly Precipitation (rain/snow)	
20.5 mm/0.0 mm		10.4 mm/0.0 mm		6.8 mm/0.0 mm		0.0 mm/0.0 mm		0.0 mm/0.0 mm		0.0 mm/0.0 mm		0.0 mm/0.0 mm		0.0 mm/0.0 mm		0.0 mm/0.0 mm		0.0 mm/0.0 mm		0.0 mm/0.0 mm	
Exist Ground Elevation (m)	82.57	92.49	94.10	94.92	98.97	96.54	100.56	86.99	93.21	84.29	92.21	84.31	81.90	86.61	87.04	91.06	85.29	84.49	83.17	84.29	
Top/Monitor Well Elevation (m)	83.42	93.63	94.15	95.91	100.11	97.44	101.89	87.79	94.20	85.72	93.16	85.61	82.53	88.03	87.71	92.03	85.99	85.32	83.65	84.80	
Monitor Well Stick-up (m)	0.85	1.14	0.05	0.99	1.14	0.90	1.33	0.80	0.99	1.43	0.95	1.30	0.63	1.42	0.67	0.97	0.70	0.83	0.48	0.51	
Depth to GW from Top/MMW (m)	1.60	4.25	4.63	4.12	4.55	4.56	4.31	1.18	4.56	2.90	2.90	2.06	1.32	5.31	4.31	2.14	2.14	3.43	1.78	1.06	
GW Depth Below Ground Surface (m)	0.75	3.11	4.58	3.13	3.41	3.66	2.98	0.38	3.57	1.47	1.47	0.76	0.69	3.89	3.64	1.44	1.44	2.60	1.30	0.55	
Groundwater Elevation (m)	81.82	89.38	89.52	91.79	95.56	92.88	97.58	86.61	89.64	82.82	82.82	83.55	81.21	82.72	83.40	86.90	83.85	81.89	81.87	83.74	
Bottom TP Elevation (m)	79.90	88.50	98.10	91.00	95.40	92.70	97.30	85.00	89.50	82.30	88.60	81.90	79.30	82.10	80.30	86.90	82.60	82.10	80.80	82.30	

Table A1: Water Table Monitoring – Ocean Pond Development

Test Pit I.D.	TP01	TP02	TP03	TP04	TP05	TP06	TP07	TP08	TP09	TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20
Exist Ground Elevation (m)	92.00	93.57	97.51	88.70	95.37	95.70	91.49	90.63	92.90	N/A	88.47	94.99	N/A	93.87	98.65	89.58	90.18	92.09	86.15	94.70
Bottom TP Elevation (m)	88.00	90.10	93.50	86.10	91.50	91.70	88.90	88.60	88.70	N/A	85.80	89.40	N/A	88.10	92.90	87.30	85.40	87.90	84.10	92.00
Average GW Depth Below Ground																				
Surface (m)	1.75	0.00	3.47	0.37	3.27	2.81	1.75	0.98	3.61	N/A	0.64	5.43	N/A	4.52	5.74	0.49	0.00	3.08	0.40	2.05
Depth of Test Pit	4.00	3.47	4.01	2.60	3.87	4.00	2.59	2.03	4.20	N/A	2.67	5.59	N/A	5.77	5.75	2.28	4.78	4.19	2.05	2.70
Approximate Centre-line Road Elevation	92.5	91.3	94.0	88.8	95.2	94.5	93.3	90.8	88.5	N/A	89.3	93.1	N/A	93.3	94.3	90.1	88.1	83.4	85.1	91.0
Centre-line Elevation - TP Elevation	0.5	-2.3	-3.5	0.1	-0.2	-1.2	1.8	0.1	-4.4	N/A	0.8	-1.9	N/A	-0.5	-4.4	0.5	-2.1	-8.7	-1.1	-3.7

NOTES

- Groundwater encountered on five occasions, otherwise, not encountered in test pit during monitoring program.
- Groundwater encountered on two occasions, otherwise, not encountered in test pit during monitoring program.
- Groundwater encountered on four occasions, otherwise, not encountered in test pit during monitoring program.
- Groundwater not encountered in test pit during the monitoring program. Depth to bottom of test pit from surface shown.
- Test pit elevation below existing road grade in meters.

Table A1: Water Table Monitoring – Ocean Pond Development
SUN-00215494-A0

Test Pit I.D.	TP21	TP22	TP23	TP24	TP25	TP26	TP27	TP28	TP29	TP30	TP31	TP32	TP33	TP34	TP35	TP36	TP37	TP38	TP39	TP40
Exist Ground Elevation (m)	82.57	92.49	94.10	94.92	98.97	96.54	100.56	86.99	93.21	84.29	92.21	84.31	81.90	86.61	87.04	91.06	85.29	84.49	83.17	84.29
Bottom TP Elevation (m)	79.90	88.50	98.10	91.00	95.40	92.70	97.30	85.00	89.50	82.30	88.60	81.90	79.30	82.10	80.30	86.90	82.60	82.10	80.80	82.30
Average GW Depth Below Ground																				
Surface (m)	0.54	2.97	4.77	3.49	3.42	3.67	2.99	0.39	3.57	1.47	3.60	0.31	0.72	4.22	4.14	0.00	2.24	2.75	1.84	0.46
Depth of Test Pit	2.67	3.99	-4.00	3.92	3.57	3.84	3.26	1.99	3.71	1.99	3.61	2.41	2.60	4.51	6.74	4.16	2.69	2.39	2.37	1.99
Approximate Centre-line Road Elevation	84.0	91.5	91.5	93.8	95.7	90.1	94.7	91.2	86.3	84.5	84.5	86.2	84.5	90.3	90.3	89.8	87.0	83.4	83.8	84.8
Centre-line Elevation - TP Elevation	1.4	-1.0	-2.6	-1.2	-3.3	-6.4	-5.9	4.2	-6.9	0.2	-7.7	1.9	2.6	3.7	3.3	-1.3	1.7	-1.1	0.6	0.5

NOTES

- Groundwater encountered on five occasions, otherwise, not encountered in test pit during monitoring program.
- Groundwater encountered on two occasions, otherwise, not encountered in test pit during monitoring program.
- Groundwater encountered on four occasions, otherwise, not encountered in test pit during monitoring program.
- Groundwater not encountered in test pit during the monitoring program. Depth to bottom of test pit from surface shown.
- Test pit elevation below existing road grade in meters.

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Daily Data Report for February 2015

ST JOHNS WEST CLIMATE NEWFOUNDLAND

Latitude:	47°30'48.080" N	Longitude:	52°47'00.020" W	Elevation:	110.00 m
Climate ID:	8403603	WMO ID:	71250	TC ID:	AJW

DAY	Max Temp °C	Min Temp °C	Mean Temp °C	Heat Deg Days	Cool Deg Days	Total Rain mm	Total Snow cm	Total Precip mm	Snow on Grnd cm	Dir of Max Gust 10's deg	Spd of Max Gust km/h
01 †	6.7	-4.1	1.3	16.7	0.0	M	M	3.3		25	56
02 †	-4.1	-8.6	-6.4	24.4	0.0	M	M	1.0		25	67
03 †	6.9	-7.4	-0.3	18.3	0.0	M	M	21.4		17	80
04 †	-6.7	-12.9	-9.8	27.8	0.0	M	M	0.0		32	46
05 †	0.9	-14.4	-6.8	24.8	0.0	M	M	0.5		15	56
06 †	5.3	-6.2	-0.5	18.5	0.0	M	M	15.1		16	72
07 †	-4.1	-8.9	-6.5	24.5	0.0	M	M	0.2	1	26	37
08 †	-2.4	-13.5	-8.0	26.0	0.0	M	M	0.7		23	41
09 †	-8.9	-12.5	-10.7	28.7	0.0	M	M	0.0		1	32
10 †	-3.4	-9.4	-6.4	24.4	0.0	M	M	2.6			<31
11 †	-3.3	-9.3	-6.3	24.3	0.0	M	M	2.1		5	44
12 †	-1.6	-8.4	-5.0	23.0	0.0	M	M	17.7		2	80
13 †	1.5	-4.7	-1.6	19.6	0.0	M	M	3.2		25	80
14 †	-3.3	-9.7	-6.5	24.5	0.0	M	M	0.0		27	72
15 †	3.1	-14.5	-5.7	23.7	0.0	M	M	2.6		12	69
16 †	4.4	-6.4	-1.0	19.0	0.0	M	M	9.1		23	70
17 †	-3.8	-8.3	-6.1	24.1	0.0	M	M	0.0		24	67
18 †	-2.5	-6.2	-4.4	22.4	0.0	M	M	5.6		6	32
19 †	0.0	-2.5	-1.3	19.3	0.0	M	M	1.7		6	35
20 †	7.4	-2.2	2.6	15.4	0.0	M	M	3.9		29	41
21 †	-1.9	-6.7	-4.3	22.3	0.0	M	M	0.0	20	25	70
22 †	6.1	-7.1	-0.5	18.5	0.0	M	M	9.5		22	54
23 †	5.0	-2.4	1.3	16.7	0.0	M	M	4.8		25	39
24 †	-1.6	-12.5	-7.1	25.1	0.0	M	M	4.7		26	63
25 †	-0.9	-13.8	-7.4	25.4	0.0	M	M	0.0	12	14	59
26 †	1.6	-5.5	-2.0	20.0	0.0	M	M	2.6	12	26	74
27 †	-3.2	-10.7	-7.0	25.0	0.0	M	M	0.9		28	48
28 †	-6.8	-12.1	-9.5	27.5	0.0	M	M	0.0	15	28	44
Sum				629.9	0.0	M	M	113.2 [^]			
Avg	-0.3	-8.6	-4.5								
Xtrm	7.4	-14.5								25	80 ^S

Summary, average and extreme values are based on the data above.

Legend

- A = Accumulated

- C = Precipitation occurred, amount uncertain
- E = Estimated
- F = Accumulated and estimated
- L = Precipitation may or may not have occurred
- M = Missing
- N = Temperature missing but known to be > 0

- S = More than one occurrence
- T = Trace
- Y = Temperature missing but known to be < 0
- [empty] = No data available
- ^ = The value displayed is based on incomplete data
- † = Data for this day has undergone only preliminary quality checking
- ‡ = Partner data that is not subject to review by the National Climate Archives

Date modified: 2015-02-11



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Daily Data Report for March 2015

ST JOHNS WEST CLIMATE NEWFOUNDLAND

Latitude:	47°30'48.080" N	Longitude:	52°47'00.020" W	Elevation:	110.00 m
Climate ID:	8403603	WMO ID:	71250	TC ID:	AJW

DAY	Max Temp °C	Min Temp °C	Mean Temp °C	Heat Deg Days	Cool Deg Days	Total Rain mm	Total Snow cm	Total Precip mm	Snow on Grnd cm	Dir of Max Gust 10's deg	Spd of Max Gust km/h
01 †	-2.6	-13.4	-8.0	26.0	0.0	M	M	0.0	15	25	48
02 †	3.0	-13.6	-5.3	23.3	0.0	M	M	18.8	15	11	69
03 †	-0.3	-12.1	-6.2	24.2	0.0	M	M	0.0		28	82
04 †	3.7	-13.4	-4.9	22.9	0.0	M	M	7.8		28	65
05 †	0.8	-10.0	-4.6	22.6	0.0	M	M	0.0		25	54
06 †	-9.9	-12.7	-11.3	29.3	0.0	M	M	0.0		29	46
07 †	-4.7	-15.9	-10.3	28.3	0.0	M	M	0.0		22	41
08 †	-0.8	-10.6	-5.7	23.7	0.0	M	M	0.3		24	33
09 †	-3.4	-16.4	-9.9	27.9	0.0	M	M	0.0		29	39
10 †	-5.1	-18.5	-11.8	29.8	0.0	M	M	0.0		29	39
11 †	3.2	-13.7	-5.3	23.3	0.0	M	M	11.2		25	63
12 †	-0.8	-11.4	-6.1	24.1	0.0	M	M	0.5	17	27	65
13 †	-11.3	-15.6	-13.5	31.5	0.0	M	M	0.0		27	52
14 †	-8.6	-15.4	-12.0	30.0	0.0	M	M	0.0		31	41
15 †	-4.7	-15.6	-10.2	28.2	0.0	M	M	4.4		11	56
16 †	-0.7	-4.7	-2.7	20.7	0.0	M	M	16.0		9	69
17 †	0.5	-1.6	-0.6	18.6	0.0	M	M	4.5		30	44
18 †	0.4	-2.6	-1.1	19.1	0.0	M	M	5.4		9	52
19 †	1.8	-4.0	-1.1	19.1	0.0	M	M	3.7		15	50
20 †	1.2	-8.9	-3.9	21.9	0.0	M	M	0.0		28	48
21 †	1.9	-10.9	-4.5	22.5	0.0	M	M	0.0		12	35
22 †	6.0	-1.9	2.1	15.9	0.0	M	M	18.2		14	72
23 †	-1.4	-6.0	-3.7	21.7	0.0	M	M	0.5		24	76
24 †	1.4	-6.2	-2.4	20.4	0.0	M	M	0.0		28	50
25 †	0.5	-8.4	-4.0	22.0	0.0	M	M	0.0			<31
26 †	4.1	-7.3	-1.6	19.6	0.0	M	M	1.9		23	50
27 †	6.1	1.1	3.6	14.4	0.0	M	M	11.9			<31
28 †	4.1	-1.1	1.5	16.5	0.0	M	M	10.0			<31
29 †	4.0	-5.5	-0.8	18.8	0.0	M	M	3.1		31	52
30 †	2.7	-8.1	-2.7	20.7	0.0	M	M	0.2			<31
31 †	2.7	-4.3	-0.8	18.8	0.0	M	M	0.2		21	33
Sum				705.8	0.0	M	M	118.6			
Avg	-0.2	-9.3	-4.8								
Xtrm	6.1	-18.5								28	82

Summary, average and extreme values are based on the data above.

Legend

- A = Accumulated
- C = Precipitation occurred, amount uncertain
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- F = Accumulated and estimated
- L = Precipitation may or may not have occurred
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- N = Temperature missing but known to be > 0

- S = More than one occurrence
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- Y = Temperature missing but known to be < 0
- [empty] = No data available
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Daily Data Report for April 2015

ST JOHNS WEST CLIMATE NEWFOUNDLAND

Latitude:	47°30'48.080" N	Longitude:	52°47'00.020" W	Elevation:	110.00 m
Climate ID:	8403603	WMO ID:	71250	TC ID:	AJW

DAY	Max Temp °C	Min Temp °C	Mean Temp °C	Heat Deg Days	Cool Deg Days	Total Rain mm	Total Snow cm	Total Precip mm	Snow on Grnd cm	Dir of Max Gust 10's deg	Spd of Max Gust km/h
01 †	5.2	-0.8	2.2	15.8	0.0	M	M	14.9		24	57
02 †	-0.3	-6.3	-3.3	21.3	0.0	M	M	0.4		31	69
03 †	1.5	-7.3	-2.9	20.9	0.0	M	M	0.3		28	37
04 †	7.7	-1.8	3.0	15.0	0.0	M	M	4.5		25	52
05 †	6.4	-7.3	-0.5	18.5	0.0	M	M	0.0		25	70
06 †	-0.9	-8.5	-4.7	22.7	0.0	M	M	0.9		25	54
07 †	-0.6	-11.4	-6.0	24.0	0.0	M	M	0.0			<31
08 †	0.8	-11.9	-5.6	23.6	0.0	M	M	0.8		31	44
09 †	-2.0	-11.3	-6.7	24.7	0.0	M	M	0.0		28	32
10 †	-0.4	-10.6	-5.5	23.5	0.0	M	M	0.0		19	37
11 †	8.2	-1.9	3.2	14.8	0.0	M	M	8.7		18	61
12 †	3.7	-2.7	0.5	17.5	0.0	M	M	0.0		23	46
13 †	3.7	-3.3	0.2	17.8	0.0	M	M	0.0		24	37
14 †	10.9	-1.4	4.8	13.2	0.0	M	M	6.8		22	59
15 †	8.8	-3.2	2.8	15.2	0.0	M	M	0.0		22	50
16 †	-3.0	-6.6	-4.8	22.8	0.0	M	M	0.0		34	69
17 †	4.0	-6.9	-1.5	19.5	0.0	M	M	0.0		32	41
18 †	8.0	-2.2	2.9	15.1	0.0	M	M	0.0		35	32
19 †	0.0	-3.8	-1.9	19.9	0.0	M	M	0.0		1	35
20 †	2.0	-4.0	-1.0	19.0	0.0	M	M	0.0		34	52
21 †	2.7	-3.7	-0.5	18.5	0.0	M	M	0.0		34	48
22 †	4.4	-3.5	0.5	17.5	0.0	M	M	0.0			<31
23 †	5.0	-0.5	2.3	15.7	0.0	M	M	0.0			<31
24 †	4.9	-0.5	2.2	15.8	0.0	M	M	0.0			<31
25 †	6.0	-0.5	2.8	15.2	0.0	M	M	16.4	I	10	69
26 †	6.7	1.3	4.0	14.0	0.0	M	M	19.7		13	57
27 †	4.9	0.5	2.7	15.3	0.0	M	M	28.6		3	50
28 †	4.9	0.3	2.6	15.4	0.0	M	M	2.5		9	37
29 †	7.5	-0.2	3.7	14.3	0.0	M	M	3.5		3	41
30 †	2.3	0.7	1.5	16.5	0.0	M	M	19.0		5	54
Sum				543.0	0.0	M	M	127.0			
Avg	3.8	-4.0	-0.1								
Xtrm	10.9	-11.9								25	70

Summary, average and extreme values are based on the data above.

Legend

- A = Accumulated
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- F = Accumulated and estimated
- L = Precipitation may or may not have occurred
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