22-189-402 **October 18, 2024**

Integricon Property Restoration and Construction Group Inc. (IPCG)
219 Westcreek Drive
Vaughan, ON
L4L 9T7

RE: Surface Water and Groundwater Level Monitoring – 11476 Highway 26, Collingwood, ON

In December 2014, SPL Consultants Ltd. advanced eleven (11) boreholes and installed four (4) monitoring wells at the Site. In July 2022, DS installed an additional two (2) monitoring wells at the Site. It is understood that additional hydrogeological assessments are required to address comments from the Town and the Conservation Authority in support of future Site Plan Approvals.

A coastal wetland feature was identified on the northern portion of the Site. A wetland Water Balance Risk Assessment is currently underway to assess existing and proposed condition of the wetland catchment area including changes to drainage boundaries and proposed land cover. To further support the water balance and assess recharge/discharge conditions, in May 2024, a site reconnaissance of the site was conducted to assess the wetland feature. Two (2) surface water stations were installed at the inlet and outlet locations of the wetland. The locations of the surface water stations are presented in **Figure 1.** Each surface water station was equipped with a staff gauge (SG1 & SG2) to monitor surface water levels, and a shallow and deep piezometer (PZ1S/D & PZ2S/D) to assess the vertical gradient at the wetland. Automated data loggers were installed at each staff gauge and deep piezometer locations set to record water levels on a continuous basis. In addition, automated data loggers were installed at two (2) select monitoring well locations (BH14-1 & BH14-7). Groundwater and surface water levels were monitored between May and September 2024 monthly to obtain manual water level readings and download data loggers. The monitoring period is proposed to be completed in May 2025.

Based on continuous and manual groundwater level data to date, groundwater levels were below the ground surface during the monitoring period ranging from 0.4 to 1.4 meters below ground surface (mbgs) to corresponding elevations 177.0 to 178.9 meters above sea level (masl). The groundwater level trends indicate that water levels were highest during the spring (May-June) and gradually declined for the remainder of the monitoring period until September 2024 and increases during the final monitoring event (October 1st, 2024). Groundwater levels showed a positive response to major precipitation events, observed in May, June and July 2024. Groundwater levels are presented in **Table 1** in **Appendix A**, and groundwater level hydrographs are presented in **Appendix B.** Borehole logs are presented in **Appendix C.**

Based on the review of the monitoring data to date for the Wetland the following groundwater and surface water conditions are noted. SG1 & SG2 water levels generally remained slightly above the base of the wetland, 180.1 and 179.7 masl, respectively, in the spring (May-June) and gradually declined to dry conditions for the remainder of the monitoring period. Groundwater levels in the piezometers near SG1 were consistently below the surface water levels throughout the monitoring period. Shallow and deep piezometer water levels were consistently the same throughout the monitoring period. Therefore, the vertical gradient is inconclusive and additional data is required to determine the vertical gradient. Groundwater levels in the piezometers near SG2 were generally below surface water levels except for the May and June 2024 monitoring events, suggesting of groundwater contribution to the wetland. Shallow groundwater levels in PZ2S were generally above PZ2D water levels suggestive of a downward gradient. Additional monitoring is required to confirm the vertical gradient at the location. A summary of the water levels in each of the surface water monitoring station is provided in **Table 2** in **Appendix A**. The hydrographs are provided in **Appendix B.**

In May 2024, two (2) surface water quality samples were obtained from the wetland near each of the surface water monitoring stations (SG1 & SG2) and analyzed for general chemistry parameters and metals and inorganics to establish pre-construction baseline conditions. Results were compared to Provincial Water Quality Objectives (PWQO). Results indicate that phosphorus and iron exceeded at both locations. Groundwater quality results reported in the Preliminary Hydrogeological Investigation completed by DS dated February 13, 2023, indicate that groundwater exceeded multiple parameters against PWQO. Therefore, groundwater will be required to be treated to meet or exceed surface water quality to discharge groundwater overland during dewatering activities. The laboratory certificate of analysis is presented in **Appendix D.**

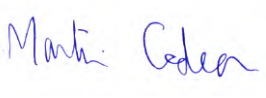
Should you have any questions regarding these findings, please contact the undersigned.

Sincerely,
DS Consultants Limited

Prepared By:

Dorothy Santos, M.Sc.
Project Manager

Reviewed By:



Martin Gedeon, M.Sc., P.Geo.
Vice President

Enclosures:
Figure 1- Borehole/Monitoring Well and Surface Water Station Locations
Appendix A- Groundwater and Surface Water Tables (Table 1 & Table 2)
Appendix B- Groundwater and Surface Water Level Hydrographs
Appendix C- Borehole Logs
Appendix D- Laboratory Certificate of Analysis

Figures

DS CONSULTANTS LTD.
6221 Highway 7, UNIT 16
Vaughan, Ontario L4H 0K8
Telephone: (905) 264-9393
www.dsconsultants.ca

Project: HYDROGEOLOGICAL INVESTIGATION
11476 Highway 26, Collingwood, Ontario

Title: **BOREHOLE/MONITORING WELL & SURFACE WATER STATION LOCATION PLAN**

N

Client: Integricon Property Restoration And Construction Group

Size:	Approved By:	Drawn By:	Date:
8.5 x 11	P.P	L.G/S.Y	October 2024
Rev: 0	Scale: As Shown	Project No.: 22-189-400	Figure No.: 1

Image/Map Source: *Google Satellite Image*

Appendix A

Table 1: Groundwater Level Monitoring Da

Location: 11476 Highway 26, Collingwood

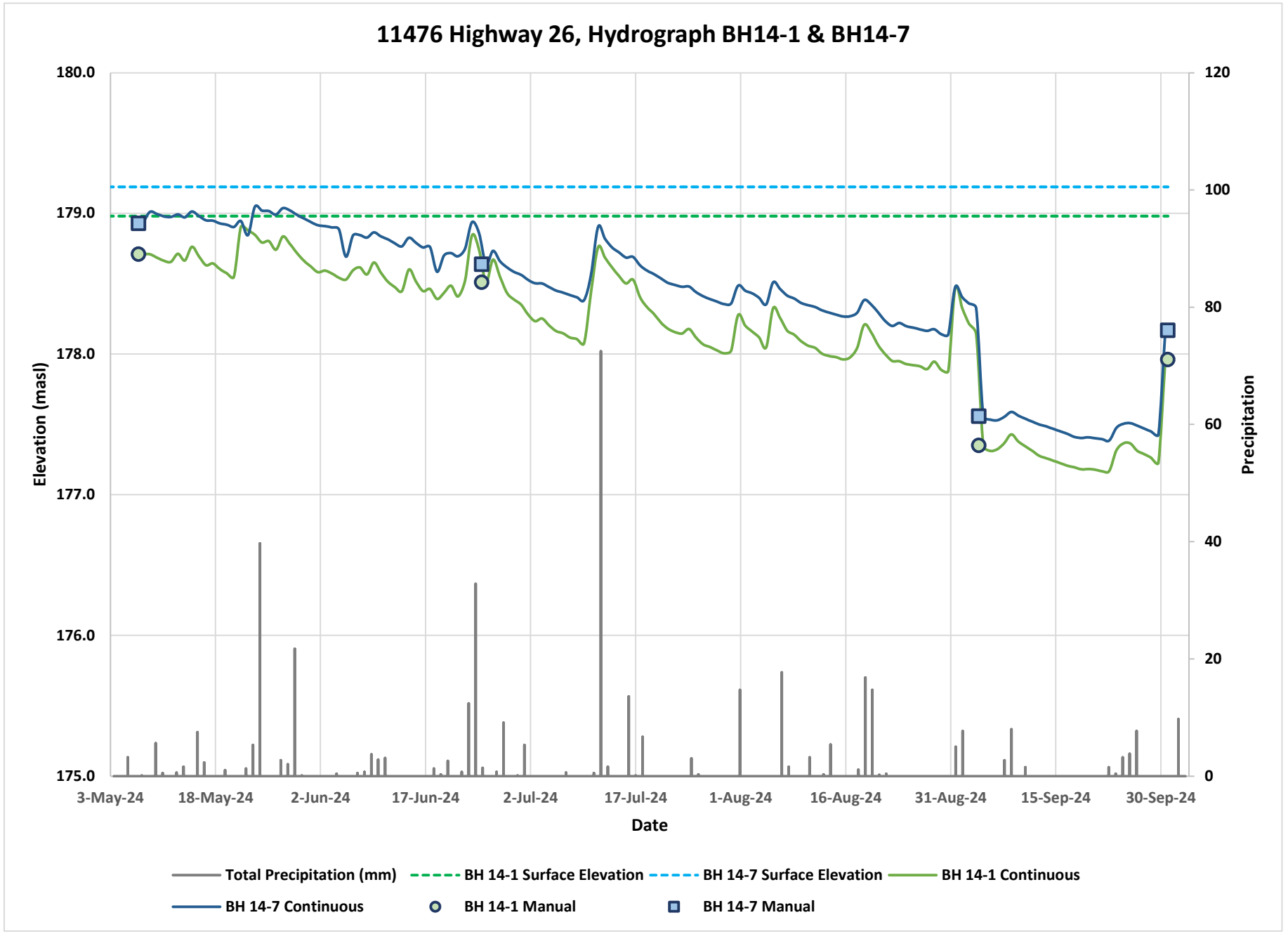
Date					May 7, 2024			June 25, 2024			September 4, 2024			October 1, 2024		
Well ID	Surface Elevation	S.Up	Well Depth (m)	Well Depth (m)	Water level	Water level	Water Level Elev.	Water level	Water level	Water Level Elev.	Water level	Water level	Water Level Elev.	Water level	Water level	Water Level Elev.
			T.O.P	(mbgs)	T.O.P	(mbgs)	(masl)	T.O.P	(mbgs)	(masl)	T.O.P	(mbgs)	(masl)	T.O.P	(mbgs)	(masl)
BH 14-1	179.0	0.8	2.1	1.4	1.0	0.3	178.7	1.2	0.5	178.5	1.6	0.9	177.4	1.8	1.0	178.0
BH 14-3	179.3	1.0	2.4	1.4	1.4	0.4	178.9	1.8	0.8	178.5	2.1	1.1	177.2	2.2	1.2	178.1
BH 14-7	179.2	0.8	6.2	5.4	1.0	0.3	178.9	1.3	0.6	178.6	1.6	0.9	177.6	1.8	1.0	178.2
BH14-8	179.4	0.7	2.6	1.8	1.4	0.7	178.7	1.6	0.9	178.5	2.0	1.2	177.4	2.1	1.4	178.0
BH 22-1	179.2	1.1	2.5	1.4	1.7	0.6	178.6	1.8	0.8	178.4	2.2	1.1	177.0	2.4	1.3	177.9
BH22-5	179.1	1.2	2.9	1.7	1.5	0.3	178.8	1.9	0.7	178.5	2.2	1.0	177.0	2.3	1.1	178.0
BH 1	179.2	0.8	2.3	1.5	1.2	0.4	178.8	1.5	0.7	178.5	1.8	1.0	177.4	2.0	1.2	178.0
BH 2	179.3	0.8	2.3	1.5	1.3	0.4	178.8	1.6	0.8	178.5	1.9	1.1	177.3	2.1	1.3	178.0
BH 3	179.1	0.7	2.1	1.5	1.1	0.4	178.8	1.4	0.7	178.4	1.7	1.1	177.4	1.9	1.2	177.9
BH 4	179.1	0.7	2.2	1.4	1.0	0.3	178.8	1.4	0.6	178.4	1.7	0.9	177.4	1.9	1.1	177.9
BH 5	179.1	0.8	6.0	5.3	1.2	0.4	178.7	1.5	0.7	178.4	1.8	1.1	177.3	1.9	1.2	177.9

Table 2: Groundwater Level Monitoring D

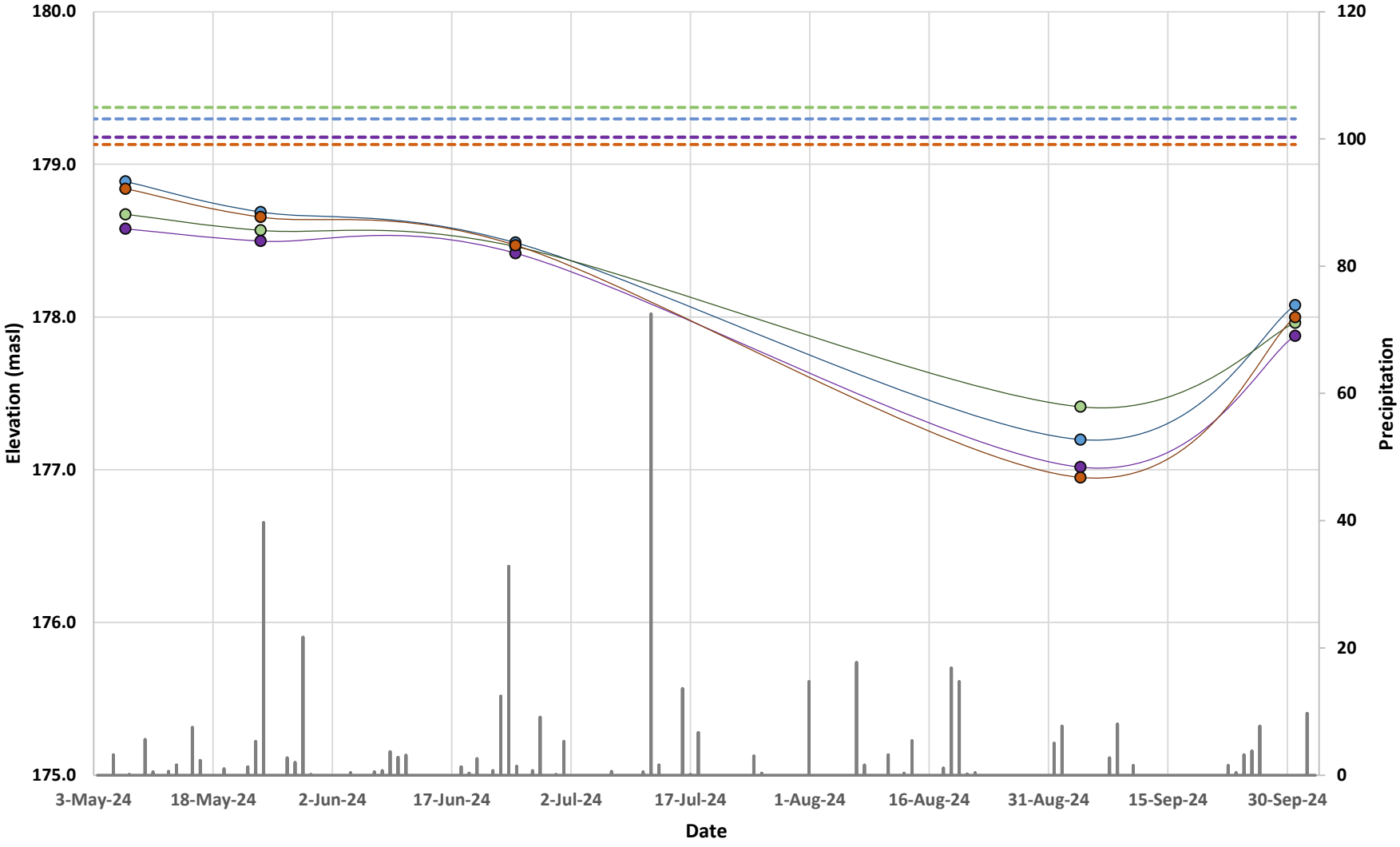
Location: 11476 Highway 26, Collingwood

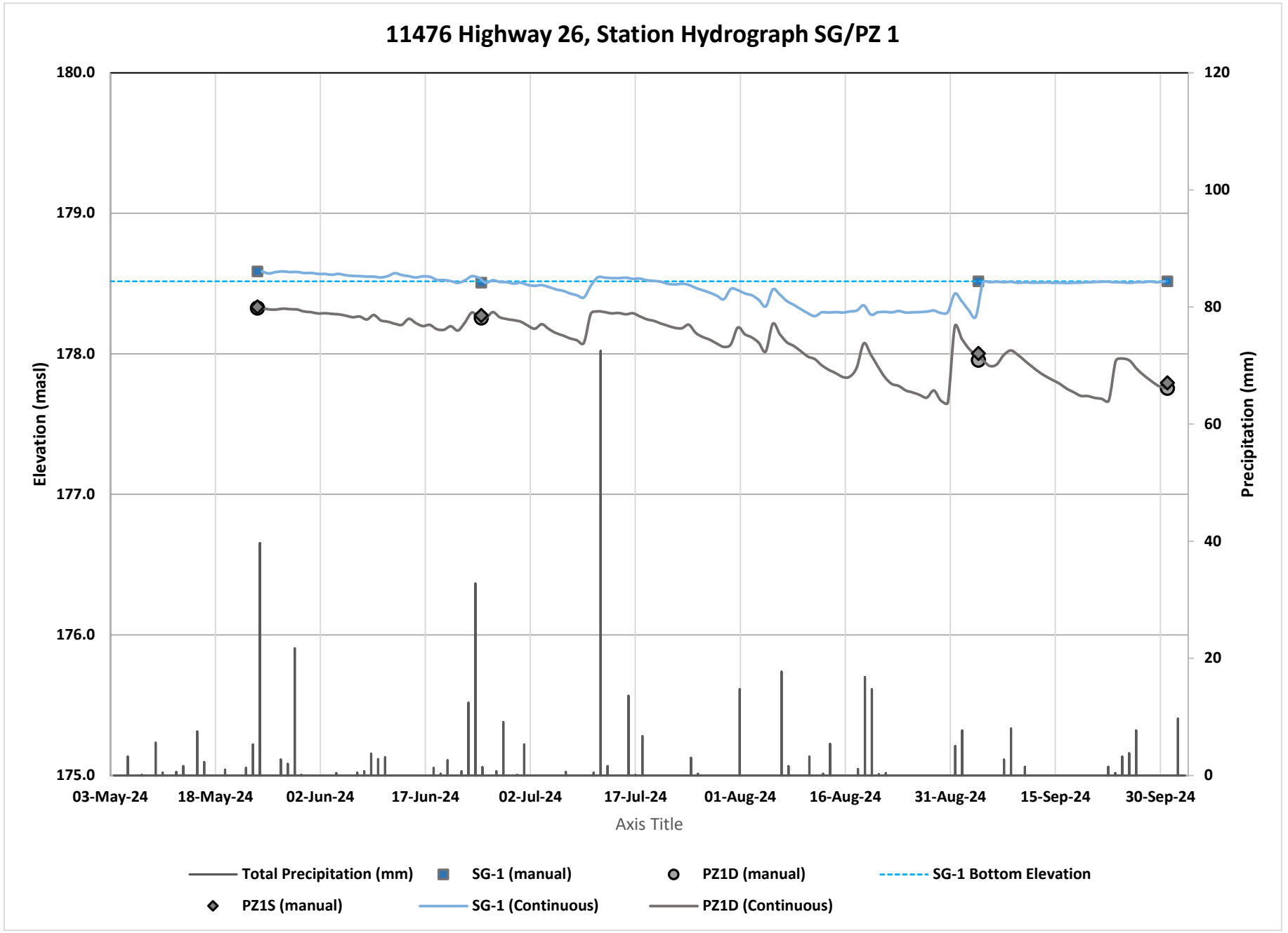
SG					07-May-24		25-Jun-24		04-Sep-24		01-Oct-24	
SG/PZ ID	TOB Elevation (masl)	Depth (top of Casing) Inside	Stick-up TOC (m) (t-bar)	Surface Elev. (masl)	Depth to Water (TOP)	Depth to Water (masl)	Depth to Water (TOP)	Depth to Water (masl)	Depth to Water (TOP)	Depth to Water (masl)	Depth to Water (TOP)	Depth to Water (masl)
SG-1	180.1			178.5	1.5	178.6	1.6	178.5	Dry	178.5	Dry	178.5
SG-2	179.7			178.2	1.1	178.5	1.2	178.4	inaccessible		Dry	178.2
PZ1D		1.8	1.1	178.5	1.2	178.3	1.3	178.3	1.6	178.0	1.8	177.8
PZ1S		1.8	0.8	178.5	0.9	178.3	1.0	178.3	1.3	178.0	1.5	177.8
PZ2D		3.4	1.4	178.5		179.9	1.7	178.2	inaccessible		2.0	177.9
PZ2S		1.9	0.6	178.6	1.6	177.6	0.9	178.4	inacessible		1.2	178.0

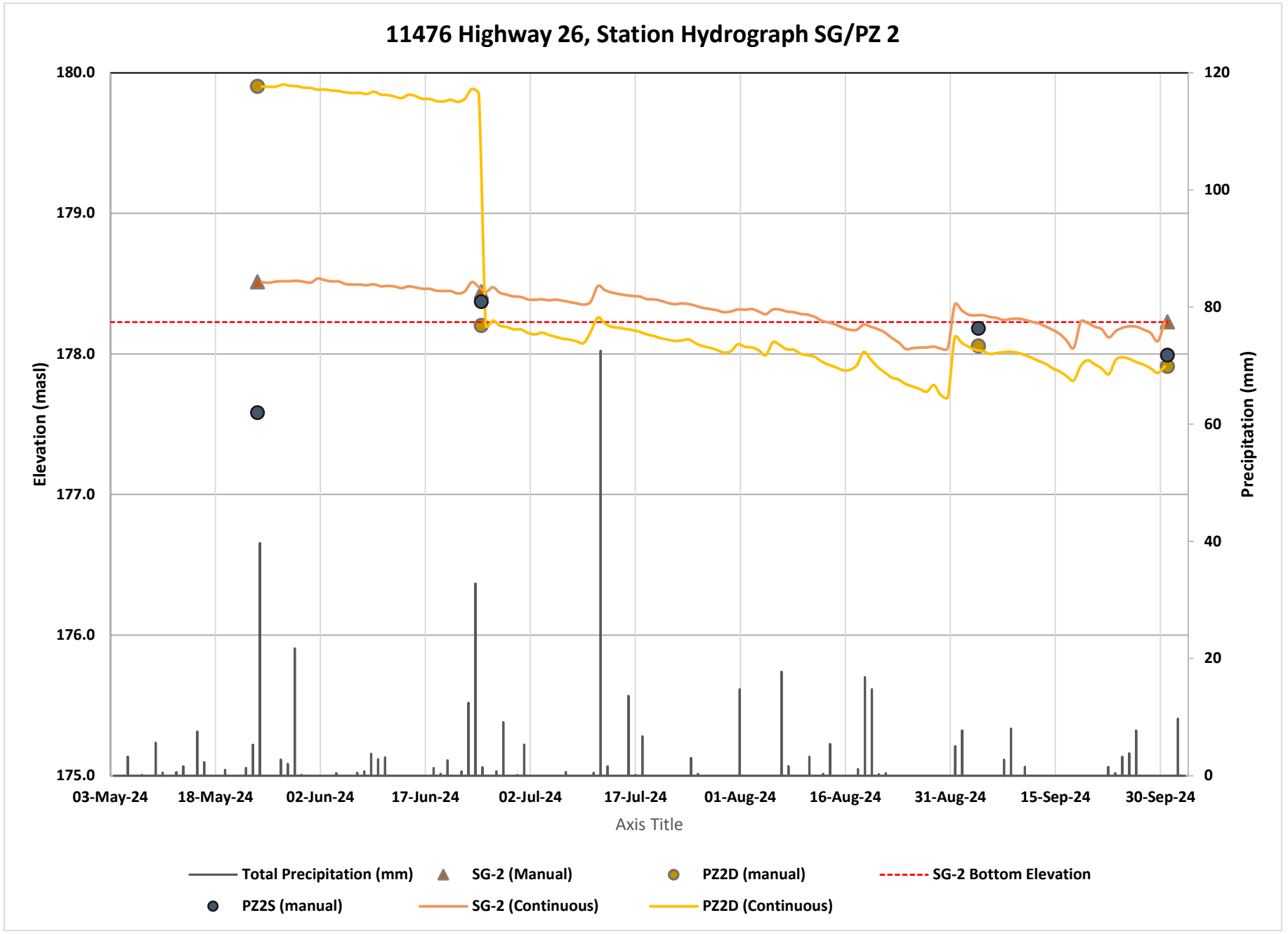
Appendix B


11476 Highway 26, Hydrograph BH14-1 & BH14-7
180.0
179.0
178.0
177.0
176.0
175.0
Elevation (masl)
120
100
80
60
40
20
0
Precipitation
3-May-24
18-May-24
2-Jun-24
17-Jun-24
2-Jul-24
17-Jul-24
1-Aug-24
16-Aug-24
31-Aug-24
15-Sep-24
30-Sep-24
Date
Total Precipitation (mm)
BH 14-1 Surface Elevation
BH 14-7 Surface Elevation
BH 14-1 Continuous
BH 14-7 Continuous
BH 14-1 Manual
BH 14-7 Manual

11476 Highway 26, Hydrograph BH14-3, BH14-8, BH22-1 & BH22-5




11476 Highway 26, Station Hydrograph SG/PZ 1
180.0
179.0
178.0
177.0
176.0
175.0
Elevation (masl)
120
100
80
60
40
20
0
Precipitation (mm)
03-May-24
18-May-24
02-Jun-24
17-Jun-24
02-Jul-24
17-Jul-24
01-Aug-24
16-Aug-24
31-Aug-24
15-Sep-24
30-Sep-24
Axis Title
Total Precipitation (mm)
SG-1 (manual)
PZ1D (manual)
SG-1 Bottom Elevation
PZ1S (manual)
SG-1 (Continuous)
PZ1D (Continuous)


11476 Highway 26, Station Hydrograph SG/PZ 2
180.0
179.0
178.0
177.0
176.0
175.0
Elevation (masl)
120
100
80
60
40
20
0
Precipitation (mm)
03-May-24
18-May-24
02-Jun-24
17-Jun-24
02-Jul-24
17-Jul-24
01-Aug-24
16-Aug-24
31-Aug-24
15-Sep-24
30-Sep-24
Axis Title
Total Precipitation (mm)
SG-2 (Manual)
PZ2D (manual)
SG-2 Bottom Elevation
PZ2S (manual)
SG-2 (Continuous)
PZ2D (Continuous)

Appendix C

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LOG OF BOREHOLE BH22-1

PROJECT: Geotechnical Investigation
CLIENT: Integricon Property Restoration and Construction Group Inc.
PROJECT LOCATION: 11476 Highway 26, Collingwood, ON
DATUM: Geodetic
BH LOCATION: See Drawing 1 N 4929716.695 E 559282.851

DRILLING DATA
Method: Hollow Stem Auger
Diameter: 150 mm
Date: Jun-02-2022

REF. NO.: 22-189-400
ENCL NO.: 2

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: "N" BLOWS / 0.3 m	GROUND WATER CONDITIONS	ELEVATION	DYNAMIC CONE PENETRATION RESISTANCE PLOT (20 40 60 80 100) / SHEAR STRENGTH (kPa): ○ UNCONFINED ● QUICK TRIAXIAL + FIELD VANE & Sensitivity × LAB VANE (20 40 60 80 100)	PLASTIC LIMIT w_P / NATURAL MOISTURE CONTENT w / LIQUID LIMIT w_L / WATER CONTENT (%) (10 20 30)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
181.0												
0.0 / 180.8	**TOPSOIL:** 150mm											
0.2 / 180.2	**FILL:** silty sand, trace gravel, some roots/organics, wet, very loose		1	SS	2	▽			○			
							W. L. 180.3 m Aug 05, 2022					
0.8	**SAND:** some silt, trace rootlets, trace clay, trace gravel, wet, very dense		2	SS	50/ 100 mm				○			5 76 15 4
							180					
179.4			3	SS	50/ 100 mm				○			
1.6	**END OF BOREHOLE:**											

Notes:
1) Auger refusal at depth of 1.6m on inferred bedrock.
2) 50mm dia. monitoring well installed upon completion.
3) Water Level Readings:

Date:	Water Level(mbgl):
July 22, 2022	0.86
Aug 5, 2022	0.64

GROUNDWATER ELEVATIONS
Measurement 1st ▽ 2nd ▼ 3rd ▼ 4th ▼

GRAPH NOTES: +3, ×3: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

DS SOIL LOG-2021-FINAL 22-189-400.GPJ DS.GDT 22-8-15

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Geotechnical ◆ Environmental ◆ Materials ◆ Hydrogeology

LOG OF BOREHOLE BH22-2

PROJECT: Geotechnical Investigation
CLIENT: Integricon Property Restoration and Construction Group Inc.
PROJECT LOCATION: 11476 Highway 26, Collingwood, ON
DATUM: Geodetic
BH LOCATION: See Drawing 1 N 4929674.096 E 559271.109

DRILLING DATA
Method: Hollow Stem Auger
Diameter: 150 mm
Date: Jun-02-2022

REF. NO.: 22-189-400
ENCL NO.: 3

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES "N" BLOWS / 0.3 m	GROUND WATER CONDITIONS	ELEVATION	DYNAMIC CONE PENETRATION RESISTANCE PLOT (20 40 60 80 100) / SHEAR STRENGTH (kPa) ○ UNCONFINED ● QUICK TRIAXIAL + FIELD VANE & Sensitivity × LAB VANE (20 40 60 80 100)	PLASTIC LIMIT w_P / NATURAL MOISTURE CONTENT w / LIQUID LIMIT w_L / WATER CONTENT (%) (10 20 30)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
179.0												
0.0 / 179.0	**ASPHALT:** 50 mm						179					
0.1 / 178.7	**GRANULAR BASE:** sand and gravel, 250mm											
0.3 / 178.2	**FILL:** silty sand, some gravel, brown, moist, compact		1	SS	10							
0.8 / 178.1	**SILTY SAND:** trace gravel, brown, wet, very dense		2	SS	50/ 100 mm							
0.9	**END OF BOREHOLE:** Notes: 1) Augar refusal at depth of 0.9m on inferred bedrock. 2) Water at depth of 0.8m during drilling.											

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES
+ 3, × 3: Numbers refer to Sensitivity
○ ε=3% Strain at Failure

DS SOIL LOG-2021-FINAL 22-189-400.GPJ DS.GDT 22-8-15

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LOG OF BOREHOLE BH22-3

PROJECT: Geotechnical Investigation
CLIENT: Integricon Property Restoration and Construction Group Inc.
PROJECT LOCATION: 11476 Highway 26, Collingwood, ON
DATUM: Geodetic
BH LOCATION: See Drawing 1 N 4929702.12 E 559328.961

DRILLING DATA
Method: Hollow Stem Auger
Diameter: 150 mm
Date: Jun-02-2022

REF. NO.: 22-189-400
ENCL NO.: 4

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOWS/0.3 m "N"	GROUND WATER CONDITIONS	ELEVATION	DYNAMIC CONE PENETRATION RESISTANCE PLOT (20 40 60 80 100) / SHEAR STRENGTH (kPa) ○ UNCONFINED ● QUICK TRIAXIAL + FIELD VANE & Sensitivity × LAB VANE (20 40 60 80 100)	PLASTIC LIMIT w_P / NATURAL MOISTURE CONTENT w / LIQUID LIMIT w_L / WATER CONTENT (%) (10 20 30)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
179.0												
0.0 / 178.9	**ASPHALT:** 50 mm											
0.1 / 178.7	**GRANULAR:** sand and gravel, 200 mm											
0.3 / 178.2	**FIL:** silty sand with topsoil, trace gravel, brown, moist, loose		1	SS	6							
0.8 / 178.1	**SAND:** trace gravel, yellowish brown, wet, very dense		2	SS	50/150 mm							
0.9	**END OF BOREHOLE:** Notes: 1) Augar refusal at depth of 0.9m on inferred bedrock. 2) Water at depth of 0.8m during drilling.											

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES: +3, ×3: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

DS SOIL LOG-2021-FINAL 22-189-400.GPJ DS.GDT 22-8-15

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Geotechnical ◆ Environmental ◆ Materials ◆ Hydrogeology

LOG OF BOREHOLE BH22-4

PROJECT: Geotechnical Investigation
CLIENT: Integricon Property Restoration and Construction Group Inc.
PROJECT LOCATION: 11476 Highway 26, Collingwood, ON
DATUM: Geodetic
BH LOCATION: See Drawing 1 N 4929651.171 E 559308.876

DRILLING DATA
Method: Hollow Stem Auger
Diameter: 150 mm
Date: Jun-02-2022

REF. NO.: 22-189-400
ENCL NO.: 5

SOIL PROFILE (m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES NUMBER	TYPE	BLOWS 0.3 m "N"	GROUND WATER CONDITIONS	ELEVATION	DYNAMIC CONE PENETRATION RESISTANCE PLOT 20 40 60 80 100 / SHEAR STRENGTH (kPa) ○ UNCONFINED ● QUICK TRIAXIAL + FIELD VANE & Sensitivity × LAB VANE 20 40 60 80 100	PLASTIC LIMIT w_P / NATURAL MOISTURE CONTENT w / LIQUID LIMIT w_L — WATER CONTENT (%) 10 20 30	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
178.9											
0.0 / 178.8	**ASPHALT:** 50 mm										
0.1 / 178.6	**GRANULAR:** sand and gravel, 250 mm										
0.3	**SILTY SAND:** trace clay, trace gravel, yellowish brown, wet, dense to very dense		1	SS	30				○		
			2	SS	50/ 100 mm		178				
178.0 / 0.9	**END OF BOREHOLE:** Notes: 1) Augar refusal at depth 0.9m on inferred bedrock.										

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES
+3, ×3: Numbers refer to Sensitivity
○ ε=3% Strain at Failure

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Geotechnical ◆ Environmental ◆ Materials ◆ Hydrogeology

LOG OF BOREHOLE BH22-5

PROJECT: Geotechnical Investigation
CLIENT: Integricon Property Restoration and Construction Group Inc.
PROJECT LOCATION: 11476 Highway 26, Collingwood, ON
DATUM: Geodetic
BH LOCATION: See Drawing 1 N 4929709.071 E 559356.738

DRILLING DATA
Method: Hollow Stem Auger
Diameter: 150 mm
Date: Jun-02-2022

REF. NO.: 22-189-400
ENCL NO.: 6

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES "N" BLOWS / 0.3 m	GROUND WATER CONDITIONS	ELEVATION	DYNAMIC CONE PENETRATION RESISTANCE PLOT (20 40 60 80 100) / SHEAR STRENGTH (kPa) ○ UNCONFINED ● QUICK TRIAXIAL + FIELD VANE & Sensitivity × LAB VANE (20 40 60 80 100)	PLASTIC LIMIT w_P / NATURAL MOISTURE CONTENT w / LIQUID LIMIT w_L / WATER CONTENT (%) (10 20 30)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
179.1												
0.0 / 179.0	**ASPHALT:** 50 mm											
0.1	**GRANULAR:** sand and gravel, 550 mm		1	SS	10		179					
178.5												
0.6	**GRAVELLY SAND:** some silt, trace clay, yellowish brown, wet, very dense					W. L. 178.4 m Aug 05, 2022						
			2	SS	60		178					25 54 16 5
177.7												
1.4	**END OF BOREHOLE:**											

Notes:
1) Augar refusal at depth of 1.4m on inferred bedrock.
2) 50mm dia. monitoring well installed upon completion.
3) Water Level Readings:
Date: Water Level(mbgl):
July 22, 2022 0.74
Aug 5, 2022 0.69

GROUNDWATER ELEVATIONS
Measurement 1st ▽ 2nd ▼ 3rd ▼ 4th ▼

GRAPH NOTES: + 3, × 3: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

LOG OF BOREHOLE BH14-01

PROJECT: Geotechnical Investigation
CLIENT: C.C. Tatham & Associates Ltd.
PROJECT LOCATION: 11476 Highway 26, Collingwood, Ontario
DATUM: Geodetic
BH LOCATION: N 0 E 1

DRILLING DATA
Method: Hollow Stem Auger
Diameter: 150mm
Date: Dec/12/2014

REF. NO.: 10001104
DRG. NO.: 2

ELEV / DEPTH (m)	DESCRIPTION	NUMBER	TYPE	BLOWS 0.3 m "N"	GROUND WATER CONDITIONS	ELEVATION	GR	SA	SI	CL
178.8										
178.8 / 0.0	**ASPHALT:** 50mm									
0.1 / 178.6	**GRANULAR BASE/SUBBASE:** 150mm, sand and gravel									
0.2	**FILL:** silty sand, some clay, trace gravel, light brown to brown, moist o very moist, loose	1	SS	15	W. L. 178.3 m Jan 19, 2015 W. L. 178.2 m Dec 12, 2014	178				
178.0 / 0.8	**SAND:** some silt, trace clay, trace gravel, oxidized, light brown, wet, loose	2	SS	6			4	80	11	5
177.3 / 1.5	**END OF BOREHOLE ON ASSUMED BEDROCK**									

Notes:
1. Auger refusal at 1.46m on assumed bedrock
2. Installed 50 mm diameter monitoring well upon completion
3. Water Level Measurements in Monitoring Well:

Date	W.L. Depth (m)	W.L. Elev. (m)
Dec. 12, 2014	0.63	178.17
Jan. 19, 2015	0.46	178.34

DYNAMIC CONE PENETRATION RESISTANCE PLOT (20 40 60 80 100)
SHEAR STRENGTH (kPa) (20 40 60 80 100)
○ UNCONFINED ● QUICK TRIAXIAL + FIELD VANE & Sensitivity × LAB VANE
PLASTIC LIMIT w_P | NATURAL MOISTURE CONTENT w | LIQUID LIMIT w_L
WATER CONTENT (%) (10 20 30)
POCKET PEN. (Cu) (kPa)
NATURAL UNIT WT (kN/m³)
REMARKS AND GRAIN SIZE DISTRIBUTION (%)

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES: $+^3$, $\times^3$: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

SPL SOIL LOG 10001104 BH LOGS.GPJ SPL.GDT 2/5/15

LOG OF BOREHOLE BH14-02

PROJECT: Geotechnical Investigation

CLIENT: C.C. Tatham & Associates Ltd.

PROJECT LOCATION: 11476 Highway 26, Collingwood, Ontario

DATUM: Geodetic

BH LOCATION: N 0 E 2

DRILLING DATA

Method: Hollow Stem Auger

Diameter: 150mm

Date: Dec/12/2014

REF. NO.: 10001104

DRG. NO.: 3

ELEV / DEPTH (m)	DESCRIPTION	STRATA PLOT	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3 m "N"	GROUND WATER CONDITIONS	ELEVATION	DYNAMIC CONE PENETRATION RESISTANCE PLOT (20 40 60 80 100) / SHEAR STRENGTH (kPa): ○ UNCONFINED, ● QUICK TRIAXIAL, + FIELD VANE & Sensitivity, × LAB VANE (20 40 60 80 100)	PLASTIC LIMIT W_P / NATURAL MOISTURE CONTENT W / LIQUID LIMIT W_L / WATER CONTENT (%) (10 20 30)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
178.9 / 0.0	**ASPHALT:** 25mm										
178.8 / 0.1	**GRANULAR BASE/SUBBASE:** 150mm, sand and gravel										
178.7 / 0.2	**FILL:** silty sand, some gravel, trace clay, brown, moist to very moist, compact		1	SS	15				○		
178.1 / 0.8	**SAND:** some silt, some gravel, trace clay, light brown, very moist to wet, compact		2	SS	14		178		○		
177.8 / 1.1	25mm seam of organic material, wet										
	END OF BOREHOLE ON ASSUMED BEDROCK										

Notes:
1. Auger refusal at 1.07m on assumed bedrock
2. Borehole was wet at bottom upon completion of drilling

GROUNDWATER ELEVATIONS

Measurement 1st ▽ 2nd ▼ 3rd ▼ 4th ▼

GRAPH NOTES: + 3, × 3: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

SPL SOIL LOG 10001104 BH LOGS.GPJ SPL.GDT 2/5/15

LOG OF BOREHOLE BH14-03

PROJECT: Geotechnical Investigation
CLIENT: C.C. Tatham & Associates Ltd.
PROJECT LOCATION: 11476 Highway 26, Collingwood, Ontario
DATUM: Geodetic
BH LOCATION: N 0 E 3

DRILLING DATA
Method: Hollow Stem Auger
Diameter: 150mm
Date: Dec/11/2014

REF. NO.: 10001104
DRG. NO.: 4

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	NUMBER	TYPE	"N" BLOWS / 0.3 m	GROUND WATER CONDITIONS	ELEVATION	DYNAMIC CONE PENETRATION RESISTANCE PLOT (20 40 60 80 100) / SHEAR STRENGTH (kPa) ○ UNCONFINED ● QUICK TRIAXIAL + FIELD VANE & Sensitivity × LAB VANE (20 40 60 80 100)	PLASTIC LIMIT W_P / NATURAL MOISTURE CONTENT W / LIQUID LIMIT W_L / WATER CONTENT (%) (10 20 30)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
179.1												
0.0 / 179.0	**TOPSOIL:** 100mm											
0.1 / 178.4	**FILL:** sand, trace silt, trace gravel, trace organics, light brown, moist, very loose to loose		1	SS	4		179		○			
0.8 / 177.6	**SAND:** trace silt, trace clay, trace gravel, oxidized, brown, wet, loose		2	SS	9	W. L. 178.3 m Jan 19, 2015	178		○			1 90 4 5
1.5	**END OF BOREHOLE ON ASSUMED BEDROCK** Notes: 1. Auger refusal at 1.52m on assumed bedrock 2. Installed 50 mm diameter monitoring well upon completion 3. Water Level Measurements in Monitoring Well: Date W.L. Depth (m) W.L. Elev. (m) Dec. 12, 2014 0.99 178.14 Jan. 19, 2015 0.87 178.26											

GROUNDWATER ELEVATIONS
Measurement 1st ▽ 2nd ▼ 3rd ▼ 4th ▼

GRAPH NOTES: + 3, × 3: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

LOG OF BOREHOLE BH14-04

PROJECT: Geotechnical Investigation
CLIENT: C.C. Tatham & Associates Ltd.
PROJECT LOCATION: 11476 Highway 26, Collingwood, Ontario
DATUM: Geodetic
BH LOCATION:

DRILLING DATA
Method: Hollow Stem Auger
Diameter: 150mm
Date: Dec/12/2014

REF. NO.: 10001104
DRG. NO.: 5

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3 m "N"	GROUND WATER CONDITIONS	ELEVATION	DYNAMIC CONE PENETRATION RESISTANCE PLOT (20 40 60 80 100) / SHEAR STRENGTH (kPa) ○ UNCONFINED ● QUICK TRIAXIAL + FIELD VANE & Sensitivity × LAB VANE (20 40 60 80 100)	PLASTIC LIMIT W_P / NATURAL MOISTURE CONTENT W / LIQUID LIMIT W_L / WATER CONTENT (%) (10 20 30)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
179.2												
179.0 / 0.0	**ASPHALT:** 25mm											
	FILL: silty sand, trace clay, trace gravel, dark brown, trace topsoil, very moist, very loose		1	SS	3		179		○			
178.7 / 0.5	some clay, wet											
178.5 / 0.8	compact											
178.4 / 0.9	**SAND:** trace silt, trace clay, trace gravel, oxidized, brown, wet, compact		2	SS	13				○			
1							178					
177.9 / 1.4	**END OF BOREHOLE ON ASSUMED BEDROCK**											

Notes:
1. Auger refusal at 1.37m on assumed bedrock
2. Borehole was wet at bottom upon completion of drilling

GROUNDWATER ELEVATIONS
Measurement 1st ▽ 2nd ▼ 3rd ▼ 4th ▼

GRAPH NOTES: + 3, × 3: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

LOG OF BOREHOLE BH14-05

PROJECT: Geotechnical Investigation
CLIENT: C.C. Tatham & Associates Ltd.
PROJECT LOCATION: 11476 Highway 26, Collingwood, Ontario
DATUM: Geodetic
BH LOCATION:

DRILLING DATA
Method: Hollow Stem Auger
Diameter: 150mm
Date: Dec/11/2014

REF. NO.: 10001104
DRG. NO.: 6

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION	DYNAMIC CONE PENETRATION RESISTANCE PLOT (20 40 60 80 100) / SHEAR STRENGTH (kPa) ○ UNCONFINED ● QUICK TRIAXIAL + FIELD VANE & Sensitivity × LAB VANE (20 40 60 80 100)	PLASTIC LIMIT / NATURAL MOISTURE CONTENT / LIQUID LIMIT (w_P w w_L) WATER CONTENT (%) (10 20 30)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	NUMBER	TYPE	"N" BLOWS 0.3 m							
179.1												
0.0 / 179.0	**TOPSOIL:** 100mm											
0.1 / 178.8	**FILL:** sand and gravel, trace silt, trace clay, trace topsoil, reddish brown, dense		1	SS	31		179					
0.3	some clay, dark brown, moist to very moist											
178.4												
0.8	silty sand, some gravel, some clay, wet, compact		2	SS	16							
1 / 178.1												
1.1	**SAND:** trace silt, trace clay, trace gravel, oxidized, brown, wet, compact						178					
177.5												
1.7	**END OF BOREHOLE ON ASSUMED BEDROCK** Notes: 1. Auger refusal at 1.65m on assumed bedrock 2. Borehole was wet at bottom upon completion of drilling											

SPL SOIL LOG 10001104 BH LOGS.GPJ SPL.GDT 2/5/15

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES
+ 3, × 3: Numbers refer to Sensitivity
○ ε=3% Strain at Failure

LOG OF BOREHOLE BH14-07

PROJECT: Geotechnical Investigation

CLIENT: C.C. Tatham & Associates Ltd.

PROJECT LOCATION: 11476 Highway 26, Collingwood, Ontario

DATUM: Geodetic

BH LOCATION:

DRILLING DATA

Method: Hollow Stem Auger

Diameter: 150mm

Date: Dec/11/2014

REF. NO.: 10001104

DRG. NO.: 7

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: "N" BLOWS/0.3 m	GROUND WATER CONDITIONS	ELEVATION
178.8							
0.0 / 178.7	**TOPSOIL:** 100mm						
0.1	**FILL:**silty sand, some gravel to gravelly, trace to some clay, trace topsoil, light brown, moist, compact		1	SS	13		
178.4							
0.5	**SAND:** some silt, trace clay, trace gravel, oxidized, brown, moist to very moist, compact					W. L. 178.3 m Jan 19, 2015	
178.1							
0.8	some clay, wet						178
1			2	SS	12		
177.5							
1.4	**AUGER REFUSAL / ROCK CORING STARTED** Refer Log of Rock Core BH14-07 **RUN 1**						
177.1							
1.8	**RUN 2**						
175.5							
3.3	**RUN 3**						
174.0							
4.8	**RUN 4**						

DYNAMIC CONE PENETRATION RESISTANCE PLOT: 20 40 60 80 100

SHEAR STRENGTH (kPa): ○ UNCONFINED ● QUICK TRIAXIAL + FIELD VANE & Sensitivity × LAB VANE; 20 40 60 80 100

PLASTIC LIMIT W_P | NATURAL MOISTURE CONTENT W | LIQUID LIMIT W_L

WATER CONTENT (%): 10 20 30

POCKET PEN. (Cu) (kPa)

NATURAL UNIT WT (kN/m³)

REMARKS AND GRAIN SIZE DISTRIBUTION (%) — GR SA SI CL

SPL SOIL LOG 10001104 BH LOGS.GPJ SPL.GDT 2/5/15

Continued Next Page

GROUNDWATER ELEVATIONS

Measurement 1st 2nd 3rd 4th

GRAPH NOTES: +3, ×3: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

PROJECT: Geotechnical Investigation
CLIENT: C.C. Tatham & Associates Ltd.
PROJECT LOCATION: 11476 Highway 26, Collingwood, Ontario
DATUM: Geodetic
BH LOCATION:

DRILLING DATA
Method: Hollow Stem Auger
Diameter: 150mm
Date: Dec/11/2014

REF. NO.: 10001104
DRG. NO.: 7

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION	DYNAMIC CONE PENETRATION RESISTANCE PLOT (20 40 60 80 100) / SHEAR STRENGTH (kPa) ○ UNCONFINED ● QUICK TRIAXIAL + FIELD VANE & Sensitivity × LAB VANE (20 40 60 80 100)	PLASTIC LIMIT / NATURAL MOISTURE CONTENT / LIQUID LIMIT (w_P w w_L) WATER CONTENT (%) (10 20 30)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%)
(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	NUMBER	TYPE	"N" BLOWS 0.3 m							GR SA SI CL
	RUN 4(Continued)											
172.5												
6.3	**END OF BOREHOLE** Notes: 1. Auger refusal at 1.37m on assumed bedrock 2. Installed 50 mm diameter monitoring well upon completion 3. Water Level Measurements in Monitoring Well: Date W.L. Depth (m) W.L. Elev. (m) Dec. 12, 2014 0.57 178.25 Jan. 19, 2015 0.48 178.34											

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES
+ 3, × 3: Numbers refer to Sensitivity
○ ε=3% Strain at Failure

LOG OF ROCK CORE BH14-07

PROJECT: Geotechnical Investigation
CLIENT: C.C. Tatham & Associates Ltd.
LOCATION: 11476 Highway 26, Collingwood, Ontario
DATUM: Geodetic
BH LOCATION:

DRILLING DATA
Method: Hollow Stem Auger
Diameter: 150mm
Date: Dec/11/2014

REF. NO.: 10001104
DRG. NO.: 7

(m) ELEV / DEPTH	ROCK DESCRIPTION	GROUND WATER CONDITIONS	CORE SAMPLE NUMBER	CORE SAMPLE SIZE	TOTAL CORE RECOVERY (%)	SOLID CORE RECOVERY (%)	HARD LAYER (%)	RQD (%)	FRACTURE INDEX (per 0.3 m)	DISCONTINUITIES	Weathering Index	HYDRAULIC CONDUCTIVITY (cm/sec)	POINT LOAD TEST UCS AXIAL (MPa)*	POINT LOAD TEST UCS DIAMETRAL (MPa)*	UNIAXIAL COMPRESSION (MPa)	DENSITY (g/cm^3) E (GPa)
177.5	Rock Surface															
177.4 1.4	**LIMESTONE:** slightly weathered to fresh, fine- to coarse-grained, fossiliferous, argillaceous, grey		1	NQ	87	0		0	>25							
177.1 1.8									>25							
			2	NQ	100	93		83	15 6 3 0 4							
175.5 3.3										Soft Layer at 3.36m for 30mm						
			3	NQ	100	92		77	1 1 5 0 3							
174.0 4.8																
			4	NQ	100	98		98	0 1 0 1 0							
172.5 6.3	**END OF BOREHOLE**															

SPL ROCK CORE-2014 10001104 BH LOGS.GPJ SPL.GDT 2/12/15

Weathering Index: W1-Fresh, W2-Slightly weathered, W3-Moderately weathered, W4-Highly weathered, W5-Completely weathered θ = angle to the core axis E = Modulus of Elasticity

*: UCS [Mpa]≈ 24 $I_{S(50)}$

LOG OF BOREHOLE BH14-08

PROJECT: Geotechnical Investigation
CLIENT: C.C. Tatham & Associates Ltd.
PROJECT LOCATION: 11476 Highway 26, Collingwood, Ontario
DATUM: Geodetic
BH LOCATION:

DRILLING DATA
Method: Hollow Stem Auger
Diameter: 150mm
Date: Dec/11/2014

REF. NO.: 10001104
DRG. NO.: 8

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	NUMBER	TYPE	"N" BLOWS 0.3 m	GROUND WATER CONDITIONS	ELEVATION	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
179.2										
0.0 / 179.0	**TOPSOIL:** 125mm									
0.1	**FILL:** fine sand, trace to some gravel, trace silt, trace clay, trace topsoil, trace organics, light brown, moist to very moist, very loose		1	SS	3		179			
178.4										
0.8	**SAND:** trace silt, trace clay, trace gravel, trace mollusks, oxidized, brown, very moist to wet, compact		2	SS	13	W. L. 178.3 m Jan 19, 2015	178			
1 / 177.7										
1.5	some gravel to gravelly, light brown		3	SS	19					19 64 11 6
2 / 177.1										
2.1	**END OF BOREHOLE ON ASSUMED BEDROCK**									

DYNAMIC CONE PENETRATION RESISTANCE PLOT: 20 40 60 80 100

SHEAR STRENGTH (kPa): ○ UNCONFINED ● QUICK TRIAXIAL + FIELD VANE & Sensitivity × LAB VANE; 20 40 60 80 100

PLASTIC LIMIT W_P — NATURAL MOISTURE CONTENT W — LIQUID LIMIT W_L

WATER CONTENT (%): 10 20 30

Notes:
1. Auger refusal at 2.10m on assumed bedrock
2. Installed 50 mm diameter monitoring well upon completion
3. Water Level Measurements in Monitoring Well:

Date	W.L. Depth (m)	W.L. Elev. (m)
Dec. 12, 2014	0.90	178.27
Jan. 19, 2015	0.85	178.35

GROUNDWATER ELEVATIONS
Measurement 1st ▽ 2nd ▼ 3rd ▼ 4th ▼

GRAPH NOTES: + 3, × 3: Numbers refer to Sensitivity; ○ 8=3% Strain at Failure

LOG OF BOREHOLE BH14-09

PROJECT: Geotechnical Investigation
CLIENT: C.C. Tatham & Associates Ltd.
PROJECT LOCATION: 11476 Highway 26, Collingwood, Ontario
DATUM: Geodetic
BH LOCATION:

DRILLING DATA
Method: Hollow Stem Auger
Diameter: 150mm
Date: Dec/11/2014

REF. NO.: 10001104
DRG. NO.: 9

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES "N" BLOWS/0.3 m	GROUND WATER CONDITIONS	ELEVATION	DYNAMIC CONE PENETRATION RESISTANCE PLOT (20 40 60 80 100) / SHEAR STRENGTH (kPa) ○ UNCONFINED ● QUICK TRIAXIAL + FIELD VANE & Sensitivity × LAB VANE (20 40 60 80 100)	PLASTIC LIMIT W_P / NATURAL MOISTURE CONTENT W / LIQUID LIMIT W_L / WATER CONTENT (%) (10 20 30)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
179.9												
179.8 / 0.1	**ASPHALT:** 50mm											
179.7 / 0.2	**GRANULAR BASE/SUBBASE:** 150mm, sand and gravel											
	FILL: silty sand, some gravel, trace to some clay, light brown, moist to very moist, compact		1	SS	21							
179.2 / 0.8	**SAND:** trace silt, trace clay, trace gravel, trace mollusks, light brown, wet, compact		2	SS	14		179					
178.6 / 1.4	**END OF BOREHOLE ON ASSUMED BEDROCK**											

Notes:
1. Auger refusal at 1.37m on assumed bedrock
2. Water level was 1.05m upon completion of drilling

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES: + 3, × 3: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

LOG OF BOREHOLE BH14-12

PROJECT: Geotechnical Investigation

CLIENT: C.C. Tatham & Associates Ltd.

PROJECT LOCATION: 11476 Highway 26, Collingwood, Ontario

DATUM: Geodetic

BH LOCATION:

DRILLING DATA

Method: Hollow Stem Auger

Diameter: 150mm

Date: Dec/11/2014

REF. NO.: 10001104

DRG. NO.: 10

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION	DYNAMIC CONE PENETRATION RESISTANCE PLOT (20 40 60 80 100) / SHEAR STRENGTH (kPa) ○ UNCONFINED ● QUICK TRIAXIAL + FIELD VANE & Sensitivity × LAB VANE (20 40 60 80 100)	PLASTIC LIMIT / NATURAL MOISTURE CONTENT / LIQUID LIMIT (w_P w w_L) WATER CONTENT (%) (10 20 30)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%)
(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	NUMBER	TYPE	"N" BLOWS 0.3 m							GR SA SI CL
179.7												
0.0 / 179.6	**TOPSOIL:** 100mm											
0.1	**FILL:** sand and gravel, some silt, trace clay, pieces of pvc piping, light grey, moist, loose		1	SS	7		179					
178.9												
0.8	**SAND:** some silt, trace clay, trace gravel, oxidized, light brown, very moist to wet, compact		2	SS	12							
1												
			3	SS	14		178					
2												
177.4												
2.3	**GRAVELLY SAND:** some silt, trace clay, greyish brown, wet, compact		4	SS	23		177					
3 / 176.6												
3.1	**END OF BOREHOLE ON ASSUMED BEDROCK** Notes: 1. Auger refusal and spoon bouncing at 3.05m on assumed bedrock 2. Water level was 2.42m upon completion of drilling											

GROUNDWATER ELEVATIONS

Measurement 1st 2nd 3rd 4th

GRAPH NOTES + 3, × 3: Numbers refer to Sensitivity ○ ε=3% Strain at Failure

Appendix D

FINAL REPORT

CA40211-MAY24 R1

22-189-402, 11476 Highway 26, Collingwood ON

Prepared for

DS Consultants

FINAL REPORT

First Page

CLIENT DETAILS

Client	DS Consultants
Address	6221 Highway 7 Unit 16 Vaughan, Ontario L4H 0K8. Canada
Contact	Dorothy Santos
Telephone	905-329-2735
Facsimile	905-264-2685
Email	dsantos@dsconsultants.ca
Project	22-189-402, 11476 Highway 26, Collingwood ON
Order Number	
Samples	Solution (2)

LABORATORY DETAILS

Project Specialist	Jill Campbell, B.Sc.,GISAS
Laboratory	SGS Canada Inc.
Address	185 Concession St., Lakefield ON, K0L 2H0
Telephone	2165
Facsimile	705-652-6365
Email	jill.campbell@sgs.com
SGS Reference	CA40211-MAY24
Received	05/24/2024
Approved	05/31/2024
Report Number	CA40211-MAY24 R1
Date Reported	06/03/2024

COMMENTS

MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
NR - Not reportable under applicable Provincial drinking water regulations as per client.

Temperature of Sample upon Receipt: 9 degrees C
Cooling Agent Present:yes
Custody Seal Present:yes

Chain of Custody Number:036148

Phos TR spk low due to sample matrix

SIGNATORIES

Jill Campbell, B.Sc.,GISAS

TABLE OF CONTENTS

Client: DS Consultants
Project: 22-189-402, 11476 Highway 26, Collingwood ON
Project Manager: Dorothy Santos
Samplers: Chaitonya

MATRIX: WATER

L1 = PWQO_L / WATER / - - Table 2 - General - July 1999 PIBS 3303E

Sample Number	7	8
Sample Name	SG-1	SG-2
Sample Matrix	Solution	Solution
Sample Date	24/05/2024	24/05/2024

Parameter	Units	RL	L1	Result	Result
General Chemistry					
Alkalinity	mg/L as CaCO3	2		226	183
Bicarbonate	mg/L as CaCO3	2		226	183
Carbonate	mg/L as CaCO3	2		< 2	< 2
OH	mg/L as CaCO3	2		< 2	< 2
Colour	TCU	3		46	38
Conductivity	uS/cm	2		466	925
Turbidity	NTU	0.10		40	8.5
Ammonia+Ammonium (N)	as N mg/L	0.1		< 0.1	< 0.1
Total Reactive Phosphorous (o-phosphate as P)	mg/L	0.03		< 0.03	< 0.03
Total Organic Carbon	mg/L	1		19	12
Metals and Inorganics					
Fluoride	mg/L	0.06		0.14	0.09
Bromide	mg/L	0.3		< 0.3	< 0.3
Nitrite (as N)	as N mg/L	0.03		< 0.03	< 0.03
Nitrate (as N)	as N mg/L	0.06		< 0.06	< 0.06
Sulphate	mg/L	2		< 2	< 2
Hardness	mg/L as CaCO3	0.05		218	213
Aluminum (total)	mg/L	0.001		0.029	0.038
Arsenic (total)	mg/L	0.0002	0.005	0.0013	0.0012
Boron (total)	mg/L	0.002	0.2	0.021	0.012
Barium (total)	mg/L	0.00008		0.0177	0.0205

Client: DS Consultants
Project: 22-189-402, 11476 Highway 26, Collingwood ON
Project Manager: Dorothy Santos
Samplers: Chaitonya

MATRIX: WATER

L1 = PWQO_L / WATER / - - Table 2 - General - July 1999 PIBS 3303E

Sample Number	7	8
Sample Name	SG-1	SG-2
Sample Matrix	Solution	Solution
Sample Date	24/05/2024	24/05/2024

Metals and Inorganics (continued)

Parameter	Units	RL	L1	Result	Result
Beryllium (total)	mg/L	0.000007	1.1	< 0.000007	< 0.000007
Cobalt (total)	mg/L	0.000004	0.0009	0.000552	0.000446
Calcium (total)	mg/L	0.01		69.9	69.4
Cadmium (total)	mg/L	0.000003	0.0005	0.000005	< 0.000003
Copper (total)	mg/L	0.001	0.005	< 0.001	< 0.001
Chromium (total)	mg/L	0.00008	0.1	0.00020	0.00020
Iron (total)	mg/L	0.007	0.3	2.69	2.13
Potassium (total)	mg/L	0.009		5.66	3.26
Magnesium (total)	mg/L	0.001		10.6	9.64
Manganese (total)	mg/L	0.00001		0.149	0.346
Molybdenum (total)	mg/L	0.0004	0.04	< 0.0004	< 0.0004
Nickel (total)	mg/L	0.0001	0.025	0.0015	0.0008
Sodium (total)	mg/L	0.01		14.7	117
Phosphorus (total)	mg/L	0.003	0.01	0.094	0.095
Lead (total)	mg/L	0.00009	0.025	0.00016	0.00010
Silicon (total)	mg/L	0.02		0.93	2.04
Silver (total)	mg/L	0.00005	0.0001	< 0.00005	< 0.00005
Strontium (total)	mg/L	0.00008		0.215	0.204
Thallium (total)	mg/L	0.000005	0.0003	0.000005	< 0.000005
Tin (total)	mg/L	0.00006		0.00006	0.00008
Titanium (total)	mg/L	0.0001		0.0018	0.0022
Antimony (total)	mg/L	0.0009	0.02	< 0.0009	< 0.0009

Client: DS Consultants
Project: 22-189-402, 11476 Highway 26, Collingwood ON
Project Manager: Dorothy Santos
Samplers: Chaitonya

MATRIX: WATER

L1 = PWQO_L / WATER / - - Table 2 - General - July 1999 PIBS 3303E

Sample Number	7	8
Sample Name	SG-1	SG-2
Sample Matrix	Solution	Solution
Sample Date	24/05/2024	24/05/2024

Parameter	Units	RL	L1	Result	Result
Metals and Inorganics (continued)					
Selenium (total)	mg/L	0.00004	0.1	0.00016	0.00010
Uranium (total)	mg/L	0.000002	0.005	0.000029	0.000028
Vanadium (total)	mg/L	0.00001	0.006	0.00014	0.00008
Zinc (total)	mg/L	0.002	0.02	< 0.002	< 0.002
Cation sum	meq/L	-9999		5.31	9.58
Anion Sum	meq/L	-9999		5.22	9.58
Anion-Cation Balance	% difference	-9999		0.79	-0.02
Ion Ratio	-	-9999		1.02	1
Total Dissolved Solids (calculated)	mg/L	-9999		262	519
Conductivity (calculated)	uS/cm	-9999		527	958
Langeliers Index 4° C	@ 4° C	-9999		0.22	0.19
Saturation pH 4°C	pHs @ 4°C	-9999		7.75	7.87
Other (ORP)					
pH	No unit	0.05	8.6	7.97	8.06
Chloride	mg/L	1		25	210
Mercury (total)	mg/L	0.00001	0.0002	0.00001	< 0.00001

EXCEEDANCE SUMMARY

Parameter	Method	Units	Result	PWQO_L / WATER / - - Table 2 - General - July 1999 PIBS 3303E L1
SG-1				
Iron	SM 3030/EPA 200.8	mg/L	2.69	0.3
Phosphorus	SM 3030/EPA 200.8	mg/L	0.094	0.01
SG-2				
Iron	SM 3030/EPA 200.8	mg/L	2.13	0.3
Phosphorus	SM 3030/EPA 200.8	mg/L	0.095	0.01

QC SUMMARY

Alkalinity

Method: SM 2320 I Internal ref.: ME-CA-IENVIEWL-LAK-AN-006

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Alkalinity	EWL0665-MAY24	mg/L as CaCO3	2	< 2	2	20	102	80	120	NA		

Ammonia by SFA

Method: SM 4500 I Internal ref.: ME-CA-IENVISFA-LAK-AN-007

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Ammonia+Ammonium (N)	SKA0257-MAY24	as N mg/L	0.1	<0.1	0	10	94	90	110	103	75	125

QC SUMMARY

Anions by discrete analyzer

Method: US EPA 325.2 | Internal ref.: ME-CA-[ENVIEWL-LAK-AN-026

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Chloride	DIO8084-MAY24	mg/L	1	<1	ND	20	99	80	120	98	75	125
Sulphate	DIO8084-MAY24	mg/L	2	<2	ND	20	109	80	120	109	75	125

Anions by IC

Method: EPA300/MA300-Ions1.3 | Internal ref.: ME-CA-[ENVIIC-LAK-AN-001

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Bromide	DIO0646-MAY24	mg/L	0.3	<0.3	ND	20	101	90	110	107	75	125
Nitrite (as N)	DIO0646-MAY24	mg/L	0.03	<0.03	ND	20	97	90	110	97	75	125
Nitrate (as N)	DIO0646-MAY24	mg/L	0.06	<0.06	ND	20	97	90	110	100	75	125
Bromide	DIO0682-MAY24	mg/L	0.3	<0.3	ND	20	97	90	110	94	75	125
Nitrite (as N)	DIO0682-MAY24	mg/L	0.03	<0.03	ND	20	98	90	110	107	75	125
Nitrate (as N)	DIO0682-MAY24	mg/L	0.06	<0.06	ND	20	98	90	110	91	75	125

QC SUMMARY

Carbon by SFA

Method: SM 5310 | Internal ref.: ME-CA-[ENV]SFA-LAK-AN-009

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Total Organic Carbon	SKA0265-MAY24	mg/L	1	<1	3	20	102	90	110	100	75	125

Carbonate/Bicarbonate

Method: SM 2320 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Carbonate	EWL0665-MAY24	mg/L as CaCO3	2	< 2	ND	10	NA	90	110	NA		
Bicarbonate	EWL0665-MAY24	mg/L as CaCO3	2	< 2	2	10	NA	90	110	NA		
OH	EWL0665-MAY24	mg/L as CaCO3	2	< 2	ND	10	NA	90	110	NA		

QC SUMMARY

Colour

Method: SM 2120 I Internal ref.: ME-CA-IENVIEWL-LAK-AN-002

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Colour	EWL0711-MAY24	TCU	3	< 3	0	10	105	80	120	NA		

Conductivity

Method: SM 2510 I Internal ref.: ME-CA-IENVIEWL-LAK-AN-006

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Conductivity	EWL0665-MAY24	uS/cm	2	< 2	0	20	99	90	110	NA		

Fluoride by Specific Ion Electrode

Method: SM 4500 I Internal ref.: ME-CA-IENVIEWL-LAK-AN-014

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Fluoride	EWL0667-MAY24	mg/L	0.06	<0.06	0	10	97	90	110	78	75	125

QC SUMMARY

Mercury by CVAAS

Method: EPA 7471A/SM 3112B | Internal ref.: ME-CA-[ENVISPE-LAK-AN-004

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Mercury (total)	EHG0057-MAY24	mg/L	0.00001	< 0.00001	9	20	107	80	120	93	70	130

QC SUMMARY

Metals in aqueous samples - ICP-MS

Method: SM 3030/EPA 200.8 | Internal ref.: ME-CA-IENVISPE-LAK-AN-006

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Silver (total)	EMS0279-MAY24	mg/L	0.00005	<0.00005	ND	20	100	90	110	80	70	130
Aluminum (total)	EMS0279-MAY24	mg/L	0.001	<0.001	5	20	98	90	110	109	70	130
Arsenic (total)	EMS0279-MAY24	mg/L	0.0002	<0.0002	ND	20	100	90	110	102	70	130
Barium (total)	EMS0279-MAY24	mg/L	0.00008	<0.00008	1	20	96	90	110	102	70	130
Beryllium (total)	EMS0279-MAY24	mg/L	0.000007	<0.000007	ND	20	96	90	110	95	70	130
Boron (total)	EMS0279-MAY24	mg/L	0.002	<0.002	ND	20	98	90	110	95	70	130
Calcium (total)	EMS0279-MAY24	mg/L	0.01	<0.01	2	20	98	90	110	101	70	130
Cadmium (total)	EMS0279-MAY24	mg/L	0.000003	<0.000003	0	20	98	90	110	96	70	130
Cobalt (total)	EMS0279-MAY24	mg/L	0.000004	<0.000004	8	20	101	90	110	100	70	130
Chromium (total)	EMS0279-MAY24	mg/L	0.00008	<0.00008	ND	20	101	90	110	101	70	130
Copper (total)	EMS0279-MAY24	mg/L	0.001	<0.001	ND	20	101	90	110	105	70	130
Iron (total)	EMS0279-MAY24	mg/L	0.007	<0.007	0	20	100	90	110	100	70	130
Potassium (total)	EMS0279-MAY24	mg/L	0.009	<0.009	2	20	99	90	110	107	70	130
Magnesium (total)	EMS0279-MAY24	mg/L	0.001	<0.001	3	20	100	90	110	100	70	130
Manganese (total)	EMS0279-MAY24	mg/L	0.00001	<0.00001	0	20	101	90	110	103	70	130
Molybdenum (total)	EMS0279-MAY24	mg/L	0.0004	<0.0004	ND	20	101	90	110	99	70	130
Sodium (total)	EMS0279-MAY24	mg/L	0.01	<0.01	0	20	109	90	110	107	70	130
Nickel (total)	EMS0279-MAY24	mg/L	0.0001	<0.0001	1	20	106	90	110	104	70	130
Lead (total)	EMS0279-MAY24	mg/L	0.00009	<0.00009	ND	20	99	90	110	99	70	130
Phosphorus (total)	EMS0279-MAY24	mg/L	0.003	<0.003	0	20	98	90	110	NV	70	130

QC SUMMARY

Metals in aqueous samples - ICP-MS (continued)

Method: SM 3030/EPA 200.8 | Internal ref.: ME-CA-[ENV]SPE-LAK-AN-006

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Antimony (total)	EMS0279-MAY24	mg/L	0.0009	<0.0009	ND	20	106	90	110	97	70	130
Selenium (total)	EMS0279-MAY24	mg/L	0.00004	<0.00004	2	20	98	90	110	98	70	130
Silicon (total)	EMS0279-MAY24	mg/L	0.02	<0.02	4	20	93	90	110	NV	70	130
Tin (total)	EMS0279-MAY24	mg/L	0.00006	<0.00006	11	20	97	90	110	NV	70	130
Strontium (total)	EMS0279-MAY24	mg/L	0.00008	<0.00008	1	20	99	90	110	100	70	130
Titanium (total)	EMS0279-MAY24	mg/L	0.0001	<0.0001	2	20	96	90	110	NV	70	130
Thallium (total)	EMS0279-MAY24	mg/L	0.000005	<0.000005	ND	20	99	90	110	82	70	130
Uranium (total)	EMS0279-MAY24	mg/L	0.000002	<0.000002	1	20	104	90	110	102	70	130
Vanadium (total)	EMS0279-MAY24	mg/L	0.00001	<0.00001	4	20	101	90	110	101	70	130
Zinc (total)	EMS0279-MAY24	mg/L	0.002	<0.002	1	20	99	90	110	130	70	130

pH

Method: SM 4500 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
pH	EWL0665-MAY24	No unit	0.05	NA	1		101			NA		

QC SUMMARY

Reactive Phosphorus by SFA

Method: SM 4500-P F | Internal ref.: ME-CA-[ENV]SFA-LAK-AN-004

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Total Reactive Phosphorous (o-phosphate as P)	SKA0262-MAY24	mg/L	0.03	<0.03	ND	10	101	90	110	67	75	125

Turbidity

Method: SM 2130 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-003

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Turbidity	EWL0754-MAY24	NTU	0.10	< 0.10	0	10	99	90	110	NA		

QC SUMMARY

Method Blank: a blank matrix that is carried through the entire analytical procedure. Used to assess laboratory contamination.

Duplicate: Paired analysis of a separate portion of the same sample that is carried through the entire analytical procedure. Used to evaluate measurement precision.

LCS/Spike Blank: Laboratory control sample or spike blank refer to a blank matrix to which a known amount of analyte has been added. Used to evaluate analyte recovery and laboratory accuracy without sample matrix effects.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate laboratory accuracy with sample matrix effects.

Reference Material: a material or substance matrix matched to the samples that contains a known amount of the analyte of interest. A reference material may be used in place of a matrix spike.

RL: Reporting limit

RPD: Relative percent difference

AC: Acceptance criteria

Multielement Scan Qualifier: as the number of analytes in a scan increases, so does the chance of a limit exceedance by random chance as opposed to a real method problem. Thus, in multielement scans, for the LCS and matrix spike, up to 10% of the analytes may exceed the quoted limits by up to 10% absolute and the spike is considered acceptable.

Duplicate Qualifier: for duplicates as the measured result approaches the RL, the uncertainty associated with the value increases dramatically, thus duplicate acceptance limits apply only where the average of the two duplicates is greater than five times the RL.

Matrix Spike Qualifier: for matrix spikes, as the concentration of the native analyte increases, the uncertainty of the matrix spike recovery increases. Thus, the matrix spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte.

LEGEND

FOOTNOTES

NSS Insufficient sample for analysis.
RL Reporting Limit.
↑ Reporting limit raised.
↓ Reporting limit lowered.
NA The sample was not analysed for this analyte
ND Non Detect

Results relate only to the sample tested.
Data reported represent the sample as submitted to SGS. Solid samples expressed on a dry weight basis.
"Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
Analysis conducted on samples submitted pursuant to or as part of Reg. 153/04, are in accordance to the "Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality" published by the Ministry and dated March 9, 2004 as amended.

SGS provides criteria information (such as regulatory or guideline limits and summary of limit exceedances) as a service. Every attempt is made to ensure the criteria information in this report is accurate and current, however, it is not guaranteed. Comparison to the most current criteria is the responsibility of the client and SGS assumes no responsibility for the accuracy of the criteria levels indicated.

SGS Canada Inc. statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

This report supersedes all previous versions.

-- End of Analytical Report --

Request for Laboratory Services and CHAIN OF CUSTODY

No: 036148

Page 1 of 1

SGS Industries & Environment - Lakefield: 185 Concession St., Lakefield, ON K0L 2H0 Phone: 705-652-2000 Fax: 705-652-6365 Web: www.sgs.com/environment
- London: 657 Consortium Court, London, ON, N6E 2S8 Phone: 519-672-4500 Toll Free: 877-848-8060 Fax: 519-672-0361

Laboratory Information Section - Lab use only

Received By: Ari Goodman
Received Date: 05/24/24 (mm/dd/yy)
Received Time: 17:20 (hr : min)
Received By (signature): [signature]
Custody Seal Present: Yes ☑ No ☐
Custody Seal Intact: Yes ☑ No ☐
Cooling Agent Present: Yes ☑ No ☐ Type: ice
Temperature Upon Receipt (°C) 9.9
LAB LIMS #: CA40211-may 24

REPORT INFORMATION

Company: DS Consultants Ltd.
Contact: Dorothy Santos
Address: 6221 Hwy 7, Unit 16 Vaughan
Phone: 905-329-2735
Fax:
Email: DSantos@dsconsultants.ca

INVOICE INFORMATION

☑ (same as Report Information)
Company:
Contact: Accounting
Address:
Phone:
Email:

Quotation #:
P.O. #:
Project #: 22-189-402
Site Location/ID: 11476 Highway 26, Collingwood, ON

TURNAROUND TIME (TAT) REQUIRED

☑ Regular TAT (5-7days)
TAT's are quoted in business days (exclude statutory holidays & weekends).
Samples received after 6pm or on weekends: TAT begins next business day

RUSH TAT (Additional Charges May Apply): ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days
PLEASE CONFIRM RUSH FEASIBILITY WITH SGS REPRESENTATIVE PRIOR TO SUBMISSION

Specify Due Date:

*NOTE: DRINKING (POTABLE) WATER SAMPLES FOR HUMAN CONSUMPTION MUST BE SUBMITTED WITH SGS DRINKING WATER CHAIN OF CUSTODY

REGULATIONS

☐ O.Reg 153/04 ☐ O.Reg 406/19
☐ Table 1 ☐ Res/Park Soil Texture: ☐ Coarse
☐ Table 2 ☐ Ind/Com ☐ Medium/Fine
☐ Table 3 ☐ Agri/Other
☐ Table ____ Appx. ____
Soil Volume ☐ <350m3 ☐ >350m3

Other Regulations:
☐ Reg 347/558 (3 Day min TAT)
☐ PWQO ☐ MMER
☐ CCME ☑ Other:
☐ MISA
☐ ODWS Not Reportable *See note

Sewer By-Law:
☐ Sanitary
☐ Storm
Municipality:

RECORD OF SITE CONDITION (RSC) ☐ YES ☐ NO

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	# OF BOTTLES	MATRIX	Field Filtered (Y/N)	M&I: Metals & Inorganics (incl CrVI, CN, Hg pH,(BHWS),EC,SAR–soil) (Cl, Na–water)	M&I: Full Metals Suite (ICP metals plus B(HWS-soil only) Hg, CrVI	M&I: ICP Metals only Sb,As,Ba,Be,B,Cd, Cr,Co,Cu,Pb,Mo,Ni,Se,Ag,Tl,U,V,Zn	SVOC: PAHs only	SVOC: SVOCs all incl PAHs, ABNs, CPs	PCB: PCBs Total ☐ Aroclor ☐	PHC: F1-F4 + BTEX	PHC: F1-F4 only no BTEX	VOC: VOCs all incl BTEX	VOC: BTEX only	Pest: Pesticides Organochlorine or specify other	Other (please specify): General waters Characterization Pkg	Other	Other	Other	Sewer Use: Specify pkg:	Water Characterization Pkg General ☐ Extended ☐	SPLP Specify tests: ☐ Metals ☐ VOC ☐ 1,4-Dioxane ☐ OCP ☐ ABN	TCLP Specify tests: ☐ M&I ☐ VOC ☐ PCB ☐ B(a)P ☐ ABN ☐ Ignit.	COMMENTS:
1	SG-1	5/24/24	pm	11	stream	✓												✓								Non filtered
2																										
3	SG-2	5/24/24	pm	11	stream	✓												✓								Non filtered
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

Observations/Comments/Special Instructions

Sampled By (NAME): Chaitenya Signature: [signature] Date: 5/24/24 (mm/dd/yy)
Relinquished by (NAME): Chaitenya Signature: [signature] Date: 5/24/24 (mm/dd/yy)

Pink Copy - Client
Yellow & White Copy - SGS

Revision #: 1.7
Date of Issue: 07 JUNE 2023