



Prepared for:

Hot Pond Enterprises Corp.

Cambium Reference: 12397-001

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Executive Summary

Cambium was retained by Hot Pond Enterprises Corporation to complete a hydrogeological assessment for three adjacent lots located at 46, 48, and an unnumbered lot on Maple Avenue, Haliburton, Ontario. It should be noted that all three lots will be merged into one lot with three, 6-unit apartments as per the By-Law 2021-59, dated September 15, 2021.

The hydrogeological assessment included conducting hydraulic testing of four test wells, namely Test Wells #1, #2, #3 and #4, installed at the Site.

The results of the pumping tests indicate that there are adequate groundwater resources available from the Test Wells #1, #2 and #4 on the Site to support the proposed development; however, Test Well #3 is a poor yielding well and does not support the proposed 6-unit multisuit building. Further, the water withdrawal associated with the development will not negatively influence surrounding groundwater users.

There were a few water quality parameters which exceeded the Ontario Drinking Water Quality Standards in some of the test wells: namely hardness (all Test Wells) and slightly elevated sodium. Hardness can be readily treated with a domestic water softening system.

Test Well # 3 has very high hardness, turbidity, sulphate, and sodium. It is not recommended to use this well since treatment will be difficult and also there is insufficient quantity for the proposed development. Cambium recommends decommissioning Test Well #3.

It is noted that it is the duty of the client to notify prospective buyers that sodium is present in the groundwater in the area at concentrations greater than 20 mg/L, which would affect individuals on sodium reduced diets and that this notification should be added to the title deeds for each property where an exceedance was noted.



Respectfully submitted,

Cambium Inc.

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Appendix A Proposed Development Plan

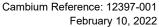
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1.0 Introduction

Cambium Inc. (Cambium) was retained by Hot Pond Enterprises Corporation (Client) to undertake a hydrogeological assessment for the water supply for the proposed developments at three adjacent lots located at 46, 48, and an unnumbered lot on Maple Avenue, Haliburton, Ontario (hereafter referred to as the Site). It should be noted that all three lots will be merged into one lot with three, 6 unit apartments as per the By-Law 2021-59, dated September 15, 2021. The hydrogeological investigation was completed for each lot and it is proposed to develop the lot with one level basement for each apartment building.

Each lot is proposed to develop a multiple unit apartment building which will require an on-site water supply well. The purpose of this assessment was to determine if there are adequate groundwater resources on-site that can sustain the water demand of the proposed development. A draft site plan of the proposed developments is in Appendix A.

The proposed development will be serviced by the Municipal wastewater infrastructure.

1.1 Site Description

The Site is rectangular in shape and is relatively flat with drainage ditches between lots 48 and 46 and along the west side of the property and will be developed into three multi-unit buildings with six units each. The Property is located at the northwest corner of Maple Avenue and Victoria Street in the Village of Haliburton as shown on Figure 1.

There is one residential house on the southern lot located at 48 Maple Avenue which has one well servicing the house. The majority of the Site exists on open grassy areas with trees and brush bordering the boundaries of each lot and along the west side.

1.2 Test Wells

There are four wells, one on each lot, with two on northern lot, which are not in service but are proposed as service wells for the Site.

Supply well A308589 (hereafter will be referred to as Test Well #1) was installed on April 20, 2021. Overburden within the drilled well was characterized by brown sand up to a depth of



23.3 mbgs before granite bedrock was encountered and the well was drilled to a depth of 27.3 mbgs.

Supply well A308588 (hereafter will be referred to as Test Well #2) was installed on April 9, 2021 at civic address 46 Maple Avenue. Overburden within the drilled well was characterized as fine sand and granite bedrock was encountered at 20.3 mbgs and the well was terminated at a depth of 22.7 mbgs.

Supply well referred to as Test Well #3 was an old existing well and no well record is available and therefore, no lithological details were available.

Supply well (A327196) referred to as Test Well #4, was installed on August 28, 2021. Overburden within the drilled well was characterized by brown clay to a depth of 10.20 mbgs before granite bedrock was encountered and the well was drilled to a depth of 14.0 mbgs.

Copies of the water well records are included in Appendix B. A summary of the well construction is in Table 1.

Table 1 Well Construction Details

Wall ID	Wall Donth (mbgs)	Mall Dia (m)	Scree	Screen Details		
Well ID	Well Depth (mbgs) Well Dia. (m)		Top (mbgs)	Bottom (mbgs)		
Test Well #1	22.7	0.150	Steel Cased to 20.3 mbgs and the open hole.			
Test Well #2	27.3	0.150	Steel Cased to 23.6 mbgs and the open hole.			
Test Well #3	40.0*	0.150	No detail	ls available		
Test Well #4	14.0	0.150		0.5 mbgs and then n hole.		

Notes: mAMSL: metres above mean sea level. * The well depth based on as far as water level tape could go but could be deeper than this.



2.0 Methodology

This section describes the methodology undertaken to complete the hydrogeological investigation.

2.1 Site Visit and Well Survey

On May 12, 2021, Cambium staff visited the Site to measure static water levels and depths of the on-site wells. Adjacent property owners were surveyed regarding their private supply well. Water levels and depth of any private supply wells were measured if permission was granted from the owner. The well owners were asked if they would allow Cambium to monitor their supply well during the pumping test (as described in Section 2.2). If the property owner was not present, then a letter describing the work program was left at the residence. A copy of the letter and a summary sheet from the survey has been included in Appendix C. The properties located at the following addresses were visited:

•	78	Mai	ole	Ave	nue
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42 York Street

46 York Street

50 York Street

101 Maple Avenue

• 21 Victoria Street

83 Maple Avenue

41 Maple Avenue

36 Maple Avenue

28 Maple Avenue

27 Park Street

62 Maple Avenue

Cambium received permission and decided to monitor the following wells based on their proximity to the Site.

36 Maple Avenue

62 Maple Avenue

Parkland's Apartment

48 Maple Avenue

41 Maple Avenue

Further discussion regarding the monitoring wells is included in Section 2.2.

2.2 Hydraulic Pumping Test

On May 26, 27, and 28, 2021 Cambium staff completed three 6-hour pumping tests on the onsite wells. SolinstTM pressure transducer level loggers (logger) were installed in each of the three test wells and four neighbouring observation wells. The locations and labels of all these wells are shown on Figure 2. Barometric pressure was monitored by another baro logger and used for water level logger compensation purposes.

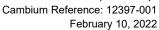
2.2.1 Test Well #1

On May 26, 2021, a submersible pump was temporarily installed in Test Well #1 (TW1) at a depth of approximately 26.8 m. The pumping test commenced at 9:34 where the flow was slowly increased to ensure a steady drawdown was achieved in the well. The discharge outlet was placed by a drainage ditch to the west of the property near the end of Victoria Street. The flow rate was estimated at 100 L/min when the outlet valve was fully open for the duration of the test. According to the water well record for TW1, the recommended yield of the well was 40 gallons per minute (gpm), which is equivalent to 151 L/min.

The pump was turned off at 15:34 and water level recovery was manually recorded until 16:05. The pump was then moved to Test Well #2 (TW2) for the next day.

2.2.2 Test Well #2

Pumping began on TW2 at 9:54 on May 27, 2021. The flow was set to approximately 92 L/min for the duration of the 6-hour test. According to the water well record for Test Well #2 the recommended yield of the well was 30 gpm, which is equivalent to 113 L/min.





The discharge outlet was the same location as the first test; temporary piping was installed to ensure water drained to the drainage ditch. The pump was turned off at 15:57 and recovery was manually recorded until 16:48. The pump and data logger stayed in the well until the water level was fully recovered.

2.2.3 Test Well #3

On May 28, 2021, Cambium staff disinfected and installed the submersible pump prior to installation into Test Well #3 (TW3). The pump was installed to a depth of approximately 32 mbgs. The pumping test started at 8:51. Initial pumping rate was started at 50 L/min but had to be reduced to 6 L/min due to the significant drawdown. The pump was turned off at 14:51 and allowed to recover to 87% before removing the pump and logger.

2.2.4 Test Well #4

On September 9, 2021, Cambium staff disinfected and installed the submersible pump prior to installation into Test Well # 4 (TW4). The pump was installed to a depth of approximately 12 mbgs. The pumping test started at 9:10. Pumping rate was started at about 105 L/min and continued to the end of the test. The pump was turned off at 15:10 and allowed to recover to 84% before removing the pump and logger.

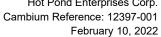
2.2.5 Monitoring Wells

The existing on-site supply wells and the private supply well that serviced five residential and commercial properties were monitored for the duration of the pumping tests. The location of the wells are shown on Figure 2.

Loggers were installed in each of the monitoring wells prior to the start of the pumping tests and water levels were measured manually with a cleaned and disinfected water level tape.

2.2.6 Groundwater Samples

Ground water samples were taken from each test well in the last half hour of the pumping tests. The samples were submitted to SGS Canada Inc. in Lakefield (SGS) for analysis of general organic and inorganic chemistry. SGS is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA). Samples were stored at a temperature between 0 °C





and 10 °C prior and during transport to SGS. The certificates of analysis have been included in Appendix E.



3.0 Water Supply Assessment

The Ministry of the Environment, Conservation and Parks (MECP) Water Well Information System (WWIS) database was accessed to review water well records located within 500 m of the Site.

A total of 263 water well records were located within 500 m of the Site as shown on Figure 1. Some of the water well records are attached in Appendix F. Further details are summarized in Table 2 below. Many wells were re-drilled further into granite to access other fractures and have multiple MECP records.

Table 2 Summary of Surrounding Water Well Record Information

Well Type		Depth (mbgs)	Static Water Level (mbgs)	Recommended Pumping Rate (L/min)
Bedrock Count = 227	Maximum	164.6	36.6	113.6
	Minimum	7.3	0.3	3.8
	Average	52.6	6.8	21.9
Overburden Count =	Maximum	11.9	9.1	37.8
14	Minimum	8.5	0.9	11.4
	Average	10.7	5.8	21.1

A summary of the information outlined in the well records is provided below:

- Overburden materials were reported as a layer of sand/loam overlying clay and gravel.
- The average and maximum thickness of overburden for the bedrock wells are 6.9 m and 28 m, respectively.
- The bedrock wells were installed to an average depth of 52.6 m below ground surface (mbgs) with an average static water level of 6.8 mbgs.
- The overburden wells were installed to an average depth of 10.7 mbgs with an average static water level of 5.8 mbgs.
- The average recommended flow rate for drilled overburden and bedrock wells are
 21.1 L/min and 21.9 L/min, respectively.



3.1 Calculated Theoretical Water Demand

The proposed development included the construction of three (3) buildings with each building accommodating 6 two-bedroom units (i.e., 6 plex) with 2 persons per unit. Accordingly, the daily water demand was estimated as below.

The following theoretical water demand for the drinking water system (DWS) was calculated based on the number of dwellings, the estimated occupancy of the building, and design criteria from *Design Guidelines for Drinking Water Systems*¹.

- Average Day Demand = 3.8 L/min = 5,400 L/day
- Maximum Day Demand = 44.5 L/min
- Peak Hour Demand = 4,036 L/hour = 67.3 L/min

The theoretical average day water demand was calculated by multiplying the estimated occupancy of the building (12) by the conservatively estimated daily consumption per person (450 L/day). The theoretical maximum day demand was calculated by multiplying the average day demand by the maximum day factor of 11.9, and the theoretical peak hour factor was calculated by multiplying the average day demand by the peak hour factor of 17.9. The maximum day and peak hour factors were for drinking water systems serving fewer than 500 people.

3.2 Pumping Tests

3.2.1 Test Well #1

The static water level in TW1 was 1.47 mbgs on May 26, 2021, prior to the commencement of the pumping test. The pump was installed at a depth of approximately 26.8 mbgs. The available drawdown to the pump at the beginning of the test was 25.33 m (i.e., pump depth – the static water level). The maximum drawdown reported at the end of the test was 1.14 m, which equates to a water level of 2.61 mbgs. The available drawdown at the end of the

¹ Ministry of the Environment. 2008.



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pumping test was 24.19 m (which is about 95% of the total available drawdown at the start of the test). A drawdown summary is in Table 3.

Table 3 Drawdown Summary of Test Well # 1 (A308589)

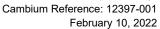
Well Identification	Well Depth (m)	Approx. Distance to Test Well # 1 (m)	Static Water Level (m)	Drawdown (m)
Test Well #1	27.43	N/A	1.91	1.14
Test Well #2	22.87	30.8	1.71	0.78
Test Well #3	N/A	67.2	2.66	0.39
48 Maple Avenue	26.61	16.22	0.85	0.99
62 Maple Avenue (A048296)	27*	34.82	2.08	0.13
Parkland's Apartment	13.72	94.95	2.0	0.74

^{*}approximate depth

The total drawdown at the end of the pumping test was 1.14 m. Near equilibrium conditions were achieved after about 60 minutes into pumping, although there were some fluctuations observed in the data, as depicted on Figure 3 due to the Parkland's Apartment well, which was being used intermittently to fill their storage tank. A total of 36,000 L was pumped from the well during the pumping test. The water level in the Test Well #1 recovered to 75% of static conditions within one hour after cessation of pumping, at 16:00 on May 26, 2021. A semi-log graphical representation of TW1 water level response is outlined on Figure 4.

Water Demand

The average daily water demand was calculated to be 5,400 L/day with a peak hour demand of 67.3 L/min. A total of 36,000 L was pumped from TW1 during the 6-hour pumping test, which is significantly more than the calculated average daily water demand. Furthermore, TW1 was pumped at a rate of 100 L/min throughout the duration of the pumping test, which is a significantly higher rate than will be required for the peak hour demand. This demonstrates that TW1 is more than adequate to supply the water demand requirements of the proposed development.





Aquifer Transmissivity

Time-drawdown and recovery-drawdown data can be used to estimate the aquifer parameters such as transmissivity (T) and storativity (S). Aquifer Test Pro pumping test data analysis software was used to estimate the T and S of the aquifer. Accordingly, data was analysed using Theis analytical solution method for a confined aquifer and the estimated transmissivity was in the order of 5 x 10⁻⁴ m²/sec (47 m²/day), as shown in Figure 5 (data tables in Appendix D).

Time-recovery data of the pumping well was utilised to estimate the aquifer transmissivity and was estimated at 85 m²/day, as shown in Figure 6.

Recovery data from the monitoring wells was very limited and therefore, could not be used to calculate aquifer storativity.

Theoretical Long-Term Yield

Aquifer test results can be used to estimate the theoretical long-term yield of the well. The theoretical long-term yield of TW1 is calculated using Farvolden and Moell methods.

The Farvolden equation is represented by:

$$Q_{20} = (0.68) (T) (H_a) (0.7)$$

Moell method is given by:

$$Q_{20} = (Q)(H_a) (0.7) / \{(S_{100}) + (5) (S\Delta t)\}$$

Where as:

Q₂₀ = Theoretical sustainable yield for 20 years

H_a = available drawdown (m)

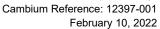
 S_{100} = drawdown at 100 minutes

Q = constant pumping rate (m^3/day)

 $S\Delta t = drawdown per log cycle$

 $T = Transmissivity (m^2/day)$

0.7 = Factor of safety





Accordingly, the long-term safe yield was estimated between 468 m³/day (Moell method) and 526 m³/day (Farvolden) (Appendix D).

The long-term yield estimations are inherently conservative, as the wells are typically not pumped continuously for long periods of time which allows for well recovery, and also a safety factor is incorporated into the calculations. Moreover, for all practical purposes the well pump cycles will be on and off on a much shorter time scale, thereby allowing the well to recharge.

Estimation of Interference Effects

A distance-drawdown graph, constructed using the drawdowns measured in three (3) observation wells while pumping TW1, defines the zone of influence and is presented in Figure 7. The drawdown from Parkland's Apartment was not used as this well was being used intermittently to supply the residents. When the TW1 was pumped at 100 L/min (22 igpm), the interference effect will be zero at a distance of approximately 44 m from the pumped well, as shown in Figure 7. Furthermore, TW1 was pumping at a rate significantly greater than will be required for the average daily water demand, which would reduce this interference effect.

3.2.2 Test Well #2

The static water level in TW2 was 1.65 mbgs on May 27, 2021, prior to the commencement of the pumping test. The pump was installed at a depth of approximately 21 mbgs. The available drawdown to the pump at the beginning of the test was 19.35 m. The maximum drawdown reported at the end of the test was very minimal at 1.48 m, which equates to a water level of 3.13 mbgs. The available drawdown at the end of the pumping test was 17.87 m (which is 85% of the available drawdown at the start of the test). A drawdown summary is in Table 4.



Table 4 Drawdown Summary of Test Well #2 (A308588)

Well Identification	Well Depth(m)	Approx. Distance to Test Well (m)	Static Level (m)	Drawdown (m)
Test Well #1	27.43	30.8	1.92	0.9
Test Well #2	22.87	N/A	1.75	1.48
Test Well #3	-	39.75	2.81	0.11
48 Maple Avenue	26.61	32.69	0.9	0.89
62 Maple Avenue (A048296)	27*	65.59	2.08	0.12
Parkland's Apartment	13.72	73.88	2.08	0.74

^{*}approximate depth

The total drawdown at the end of the pumping test was 1.48 m. The water level in TW2 recovered to 63% of static conditions within the first 30 minutes and then to 90% in next two hours. A graphical representation of the water level response over time is shown on Figure 8.

A total of 32,950 L was pumped from the well during the pumping test. Considering that recovery occurred within first two hours, it is concluded that well can be pumped at 92 L/min over a 24-hour period. A semi-log graphical representation of TW1 water level response is outlined on Figure 9.

Water Demand

The average daily water demand was calculated to be 5,400 L/day with a peak hour demand of 67.3 L/min. Total volume pumped from TW2 during the 6-hour pumping test is significantly higher than the calculated average daily water demand. Furthermore, TW2 was pumped at a constant rate of 92 L/min throughout the duration of the pumping test, which is a significantly higher rate than will be required for the peak hour demand. This demonstrates that Test Well # 2 is more than adequate to supply the water demand requirements of the proposed development.

Aquifer Transmissivity

Time-recovery data of the pumping well was shown in Figure 10 and time-drawdown data is shown in Figure 11. Both Figures were used to estimate the aquifer transmissivity and was calculated at $24.5 \text{ m}^2/\text{day}$ (8 x $10^{-4}\text{m}^2/\text{s}$).



Recovery data from the monitoring wells was very limited and was not used to calculate aquifer storativity.

Theoretical Long-Term Yield

The theoretical long-term safe yield was estimated between 512 m³/day (Moell method) and 636 m³/day (Farvolden) (Appendix D).

Estimation of Interference Effects

Drawdowns measured in three (3) observation wells while pumping TW2, were used to construct a distance-drawdown graph to define the zone of influence and was presented in Figure 12. When TW2 was pumped at 92 L/min (20.2 igpm), the interference effect will be zero at approximately 41 m from the pumped well, as shown in Figure 12. Furthermore, TW1 was pumping at a rate significantly greater than will be required for the average daily water demand, which would reduce this interference effect.

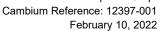
3.2.3 Test Well #3

The static water level in TW3 was 2.65 mbgs on May 28, 2021, prior to the commencement of the pumping test. The pump was installed at a depth of approximately 32 mbgs. The available drawdown to the pump at the beginning of the test was 29.38 m.

Table 5 Drawdown Summary of Test Well #3

Well Identification	Well Depth (m)	Approx. Distance to Test Well (m)	Static Level (m)	Drawdown (m)
Test Well #2	22.87	39.75	1.82	0.07
Test Well #3	N/A	-	2.13	25.07
Parkland's Apartment	13.72	38.63	2.13	0.07
31 Maple Avenue	19.30	55.6	4.54	0.07

The depth to water level at the end of the test was 27.54 mbgs, which equates to a drawdown of 24.89 m. The available drawdown at the cessation of the test was only about 1.8 m and the drawdowns were not stabilized, i.e., equilibrium conditions were not achieved. The water level in TW3 recovered to 5.08 mbgs after about 130 minutes of recovery period i.e., a recovery of 79%.





The results of the pumping test indicate that there is not sufficient yield in TW3 to satisfy the daily demand of the proposed multi-plex. Therefore, Cambium recommended to install a new well for water supply assessment.

Accordingly, a new well known as Test Well 4 was drilled as described elsewhere in the report.

3.2.4 Test Well #4

The static water level in TW4 was 2.19 mbgs on September 9, 2021, prior to the commencement of the pumping test. The pump was installed at a depth of approximately 12 mbgs. The available drawdown to the pump at the beginning of the test was 9.81 m. The maximum drawdown reported at the end of the test was at 1.50 m, which equates to a water level of 3.69 mbgs. The available drawdown at the end of the pumping test was 8.31 m (which is about 85% of the available drawdown at the start of the test). A drawdown summary is in Table 6.

Table 6 Drawdown Summary of Test Well #4 (A327196)

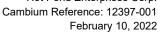
Well Identification	Well Depth(m)	Approx. Distance to Test Well (m)	Static Level (m)	Drawdown (m)
Test Well #4	14.00	-	2.19	1.00
Test Well #2	22.87	40.00	1.76	0.67
Test Well #1	27.43	69.00	1.24	0.42

The total drawdown at the end of the pumping test was 1.00 m. The water level in TW4 recovered to 84% of static conditions within the first 90 minutes.

A total of about 37,800 L were pumped from the well during the pumping test. Considering that 84% recovery occurred within first 90 minutes, it is concluded that well can be pumped at 105 L/min over a 24-hour period. A graphical representation of TW4 water level response is outlined on Figure 13. A semi-log plot of drawdown response of Test Well # 4 was shown on Figure 14.

Water Demand

Based on total volume of water pumped from TW4 during the 6-hour pumping test, which is significantly more than the calculated average daily water demand, the well can easily meet the daily water demand. Furthermore, the well was pumped at a rate of 105 L/min throughout the duration of the pumping test, which is a significantly higher rate than will be required for the





peak hour demand. This demonstrates that TW4 is more than capable to supply the water demand requirements of the proposed development.

Aquifer Transmissivity

Time-recovery data of the pumping well was shown in Figure 15 and was used to estimate the aquifer transmissivity. The calculated transmissivity of the aquifer was at 92 m²/day.



Theoretical Long-Term Yield

The theoretical long-term safe yield was estimated between 514 m³/day (Moell method) and 517 m³/day (Farvolden) (Appendix D).

Estimation of Interference Effects

A minimum of three (3) observation wells were required to construct a distance-drawdown graph. As only two on-site wells (TW1 and TW2) were available for water level monitoring, no interference effects were estimated while pumping TW4.

Well Specific Capacities and Yields:

The Specific Capacity of a well is given by the pumping rate (yield) divided by the drawdown. It can be used to provide the design pumping rate or maximum yield for the well. Accordingly, the specific capacities were estimated for all three wells as below.

Well	Pumping Rate (L/min)	Drawdown (m)	Specific Capacity (L/m of drawdown)	Maximum Yield of the Well (L/min)
Test Well #1	100	1.14	88	2,226
Test Well #2	92	1.48	62	1,200
Test Well #3	6	25.07	0.2	6.0
Test Well #4	105	1.50	70	687

Maximum yield of the well can be estimated as specific capacity multiplied by the maximum available drawdown. Therefore, as depicted above, all Test Wells can be described as high-capacity wells, while Test Well #3 is a poor, low-yielding well.

3.3 Well Demand and Supply Assessment

Summary of pumping tests results, depicting the aquifer transmissivity, long-term pumping yields and estimated demands, are included in the table below.

Daily demand was estimated based on the proposed development plan (Appendix A) provided by the client and assuming a daily consumption rate of 450 L per person with 2 persons per bedroom. A summary of the well yields and water demand is shown in Table 7.



Table 7 Summary of Aquifer Properties and Water Demand

Test Well	Transmissivity (m2/day)	Long-Term (Q20) Farvolden	Yields (m3/day) Moell	Estimated Daily Demand (m3/day)	
TW #1	47 to 85	526	468	5.4	
TW #2	24.5	230	512	5.4	
TW #3	Poor capacity well (6 L/min or 9 m3/day) based on well specific capacity.				
TW #4	92	517	514	5.4	

Based on the above, test wells TW1, TW2 and TW4 can be considered as high-capacity wells and can meet the daily water demand of the proposed multi-suite apartments.

Approximately an average of 35.6 m³ was pumped continuously in one day from the each of the test wells during the pumping tests. This was well over the estimates daily water use for each proposed unit (5.4 m³) which demonstrates that the water supply wells are more than adequate to support the development.

As test well TW3 has low yielding capacity and there is not enough drawdown available in the well for the long-term usage, we recommend decommissioning this well and be replaced by TW4.

3.4 Water Quality Results

Raw water samples were taken from each test well in the last half hour of the pumping test. Lab reports are included in Appendix E and a summary of the results follows below.

The general chemistry of TW1 and TW2 are very similar indicating the water may be sourced from a similar fracture. A summary of notable parameters is in Table 8 and were compared with the Ontario Drinking Water Quality Standards Tables (O. Reg. 169/03) as well as objectives in D-5-5 (Private Well: Water Supply Assessment) (MOE, 2006).



Table 8 Summary of Water Quality Parameters

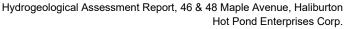
Parameter	Ontario Drinking Water Objective	Test Well #1	Test Well #2	Test Well #3	Test Well #4
Total Coliforms (cfu/100mL)	Not detectable	4	2	0	0
E. Coli (cfu/100mL)	Not detectable	0	0	0	0
Heterotrophic Plate Count (cfu/100mL)	Should not increase above baseline	3	85	19	30
Alkalinity (mg/L as CaCO ₃)	30-500	200	198	96	141
Turbidity (NTU)	5	0.41	0.75	79.7	0.30
Sulphate (mg/L)	500	27	25	450	<6
Hardness (mg/L as CaCO ₃)	80-100	239	221	696	161
Calcium (mg/L)	-	50.2	47.7	236	37.2
Iron (mg/L)	0.3	0.019	0.100	0.079	0.023
Magnesium (mg/L)	-	27.5	24.8	25.8	16.6
Manganese (dissolved, mg/L)	0.05*	0.207	0.221	0.606	0.138
Sodium (mg/L)	20/200	20.9	20.9	39.1	27.3

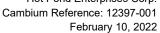
Note: Bolded values indicate exceeding the ODWS objectives. *Aesthetic Objective

There is no E. Coli present in any of the samples and total coliforms are less than 6 cfu/100 which is considered acceptable water quality according to the D-5-5 guideline.

All four wells have high hardness from high levels of calcium and magnesium which is typical of groundwater in the Haliburton area. Similar to surrounding properties, the new developments would benefit from a water softener system to reduce taste and pipe scaling. A softening system will increase the sodium levels which are already above the health-related warning label of 20 mg/L (Government of Ontario, 2021). If sodium levels remain above 20 mg/L, the local Medical Officer of Health should be notified to alert persons on sodium reduced diets. The concentration of sodium was less than the aesthetic limit indicating that the water is still potable at this concentration.

Test Well # 3 has very high hardness, turbidity, sulphate, and sodium. It is not recommended to use this well since treatment will be difficult and also there is insufficient quantity for the proposed development. Hardness values above 500 mg/L are unacceptable for domestic purposes and sulphate is considered a laxative and not considered reasonably treatable above 500 mg/L (Government of Ontario, 2021).







Considering that the proposed development for each lot will include a 6-plex multi-residential building, each well will require a regulated drinking water treatment system to comply with O.Reg. 170/03. Cambium has prepared a Drinking Water System Design Brief under separate cover for each of these three developments which includes the recommended drinking water system and minimum level of treatment.



CAMBIUM

4.0 Conclusions

Cambium was retained by Hot Pond Enterprises Corp. to complete a hydrogeological assessment for a proposed three lot development located at 46 Maple Avenue, 48 Maple Avenue and an unnumbered lot along Maple Avenue, Halliburton, Ontario. It should be noted that these three lots were merged into one by By-Law 2021-59, dated September 15, 2021. It is proposed to develop the lot with three, 6-unit apartment buildings with one level basement.

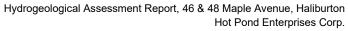
Four water wells namely Test Well #1 (TW1), TW2, TW3 and TW4were installed as per Guideline D-5-5. All of the wells were installed into the underlying bedrock formations and are sourced by water bearing fractures within the bedrock. The well yield was sufficient in three of the test wells (TW1, TW2 and TW4) for peak usage for domestic purposes; however, the yield in one well (TW3) was poor to meet the required demand and will need to be decommissioned. Considering the aquifer transmissivity and long term well yields of TW1, TW2 and TW4, the wells can easily sustain the proposed residential demand and there is no need for the inclusion of a water storage system.

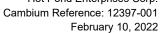
During each pumping test, water levels were monitored in the other on-site test wells. Drawdown were observed in the monitoring wells during each pumping test and the radius of influence was estimated between 41 and 44 m at the pumping rates of 92 L/min and 100 L/min, respectively. However, it should be noted that test wells #1, #2 and #4 were pumped at a rate significantly greater than the calculated daily demand required by the proposed development and as such the potential of well interference to surrounding well users will be significantly lower than is calculated in this report.

There were a few water quality parameters which exceeded the Ontario Drinking Water Quality Standards in some of the test wells: namely hardness (all Wells) and slightly elevated sodium. Hardness can be readily treated with a domestic water softening system.

Test Well # 3 has very high hardness, turbidity, sulphate, and sodium and therefore, not recommended to use this well. Also, the well has low yielding capacity and is insufficient for the proposed development, hence, Cambium recommends decommissioning this well.

It is noted that it is the duty of the client to notify prospective buyers that sodium is present in the groundwater in the area at concentrations greater than 20 mg/L, which would affect







individuals on sodium reduced diets and that this notification should be added to the title deeds for each property.



5.0 References

Government of Ontario. (2021, July 20). *D-5-5 Private Wells: Water Supply Assessment*.

Retrieved from Environment and Energy: https://www.ontario.ca/page/d-5-5-private-wells-water-supply-assessment

MOE. (2006). Technical Support Document for Ontario Drinking Water Standards, Objectives and Guidelines.



6.0 Standard Limitations

Limited Warranty

In performing work on behalf of a client, Cambium relies on its client to provide instructions on the scope of its retainer and, on that basis, Cambium determines the precise nature of the work to be performed. Cambium undertakes all work in accordance with applicable accepted industry practices and standards. Unless required under local laws, other than as expressly stated herein, no other warranties or conditions, either expressed or implied, are made regarding the services, work or reports provided.

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The findings and results presented in reports prepared by Cambium are based on the materials and information provided by the client to Cambium and on the facts, conditions and circumstances encountered by Cambium during the performance of the work requested by the client. In formulating its findings and results into a report, Cambium assumes that the information and materials provided by the client or obtained by Cambium from the client or otherwise are factual, accurate and represent a true depiction of the circumstances that exist. Cambium relies on its client to inform Cambium if there are changes to any such information and materials. Cambium does not review, analyze or attempt to verify the accuracy or completeness of the information or materials provided, or circumstances encountered, other than in accordance with applicable accepted industry practice. Cambium will not be responsible for matters arising from incomplete, incorrect or misleading information or from facts or circumstances that are not fully disclosed to or that are concealed from Cambium during the provision of services, work or reports.

Facts, conditions, information and circumstances may vary with time and locations and Cambium's work is based on a review of such matters as they existed at the particular time and location indicated in its reports. No assurance is made by Cambium that the facts, conditions, information, circumstances or any underlying assumptions made by Cambium in connection with the work performed will not change after the work is completed and a report is submitted. If any such changes occur or additional information is obtained, Cambium should be advised and requested to consider if the changes or additional information affect its findings or results.

When preparing reports, Cambium considers applicable legislation, regulations, governmental guidelines and policies to the extent they are within its knowledge, but Cambium is not qualified to advise with respect to legal matters. The presentation of information regarding applicable legislation, regulations, governmental guidelines and policies is for information only and is not intended to and should not be interpreted as constituting a legal opinion concerning the work completed or conditions outlined in a report. All legal matters should be reviewed and considered by an appropriately qualified legal practitioner.

Site Assessments

A site assessment is created using data and information collected during the investigation of a site and based on conditions encountered at the time and particular locations at which fieldwork is conducted. The information, sample results and data collected represent the conditions only at the specific times at which and at those specific locations from which the information, samples and data were obtained and the information, sample results and data may vary at other locations and times. To the extent that Cambium's work or report considers any locations or times other than those from which information, sample results and data was specifically received, the work or report is based on a reasonable extrapolation from such information, sample results and data but the actual conditions encountered may vary from those extrapolations.

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Personal Liability

The client expressly agrees that Cambium employees shall have no personal liability to the client with respect to a claim, whether in contract, tort and/or other cause of action in law. Furthermore, the client agrees that it will bring no proceedings nor take any action in any court of law against Cambium employees in their personal capacity.



Hot Pond Enterprises Corp. Cambium Reference: 12397-001 February 10, 2022

Appended Figures

HYDROGEOLOGICAL ASSESSMENT

GREG BISHOP SURVEYING LIMITED

46 and 48 Maple Avenue Haliburton, Ontario

LEGEND

Water Well Record



500m Buffer

Site (approximate)



Notes:

- Base mapping features are @ Queen's Printer of Ontario, 2019 (this does not constitute an endorsement by the Ministry of Natural Resources or the Ontario Government).

- Distances on this plan are in metres and can be converted to feet by dividing by 0.3048.

- Cambium Inc. makes every effort to ensure this map is free from errors but cannot be held responsible for any damages due to error or omissions. This map should not be used for navigation or legal purposes. It is intended for general reference use only.



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AREA LOCATION PLAN

Project No.: July 2021 12397-001 Scale: Projection: NAD 1983 UTM Zone 17N 1:6,000 Checked by: Created by: TLC KW



HYDROGEOLOGICAL ASSESSMENT

GREG BISHOP SURVEYING LIMITED

46 and 48 Maple Avenue Haliburton, Ontario

LEGEND



Monitoring/Observation Well



Test Well



Site (approximate)

Notes:

- Base mapping features are @ Queen's Printer of Ontario, 2019 (this does not constitute an endorsement by the Ministry of Natural Resources or the Ontario Government).

- Distances on this plan are in metres and can be converted to feet by dividing by 0.3048.

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PUMPING TEST WELL LOCATIONS

Project No.: July 2021 Rev.: 12397-001

Projection: NAD 1983 UTM Zone 17N 1:750

Checked by: Created by: TLC KW

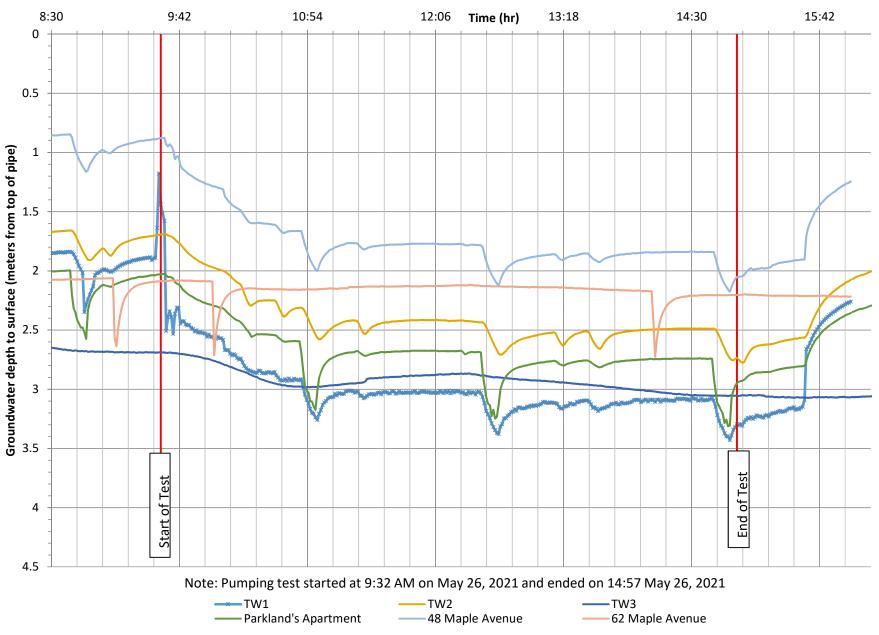


Figure 3: Pumping Test on TW1 (A308589)

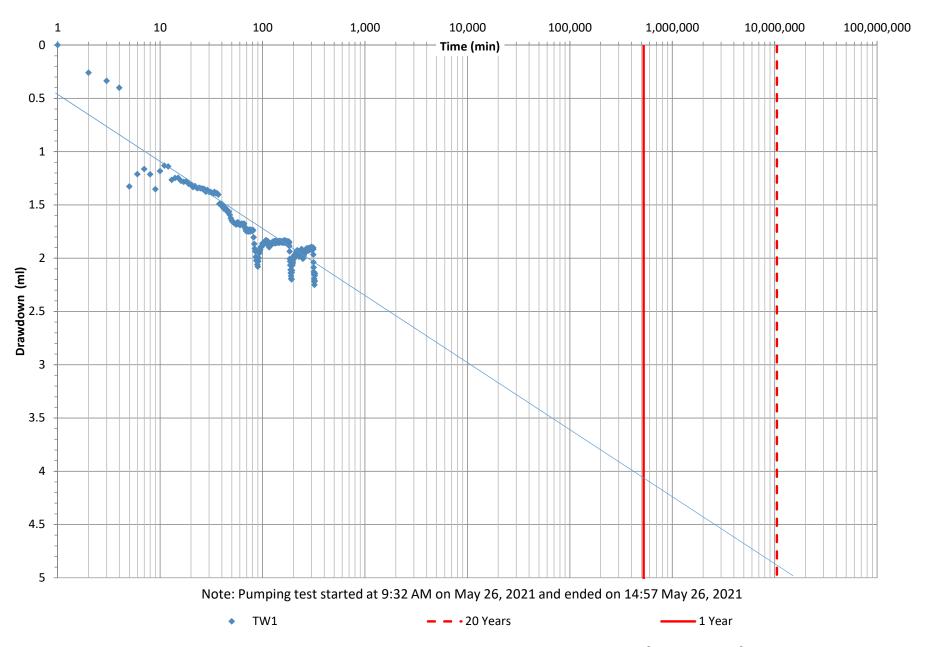


Figure 4: Extrapolated Drawdown on TW1 (A308589)

Cambium Inc. 135 Bayfield St #102, Barrie, ON L4M 3B3

Pumping Test Analysis Report	FIGURE 5		
Project: Hydrogeological Investigation			
Number: 12397-001			

Number: 12397-001

Client: Hot Pond Enterprises Corporation

Location: 46 Maple Avenue, Halliburton, O Pumping Test: TW1

Test Conducted by: Josh/Michelle

Analysis Performed by: Sudhakar Kurli

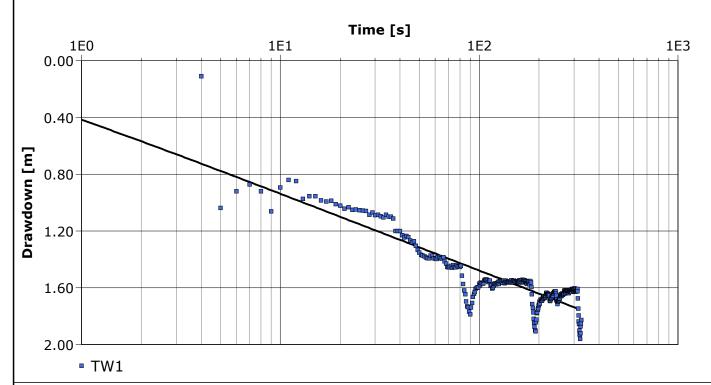
Theis

Pumping Well: TW1

Test Date: 5/26/2021

Analysis Date: 6/27/2021

Aquifer Thickness: 26.00 m Discharge Rate: 1.6 [l/s]



Calculation	ueina	Theis
Calculation	usiiiu	111619

Observation Well	Transmissivity	Hydraulic Conductivity	Storage coefficient	Radial Distance to PW	
	[m²/s]	[m/s]		[m]	
TW 1	5.40 × 10 ⁻⁴	2.08 × 10 ⁻⁵	2.30 × 10 ⁻²	0.1	

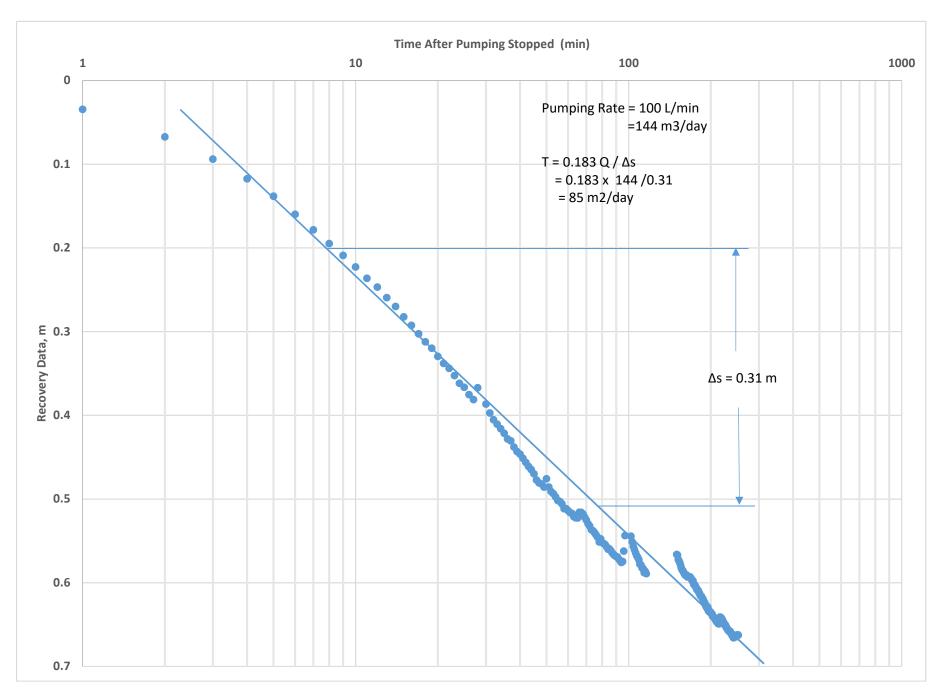


Figure 6: TW1 Time-Recovery

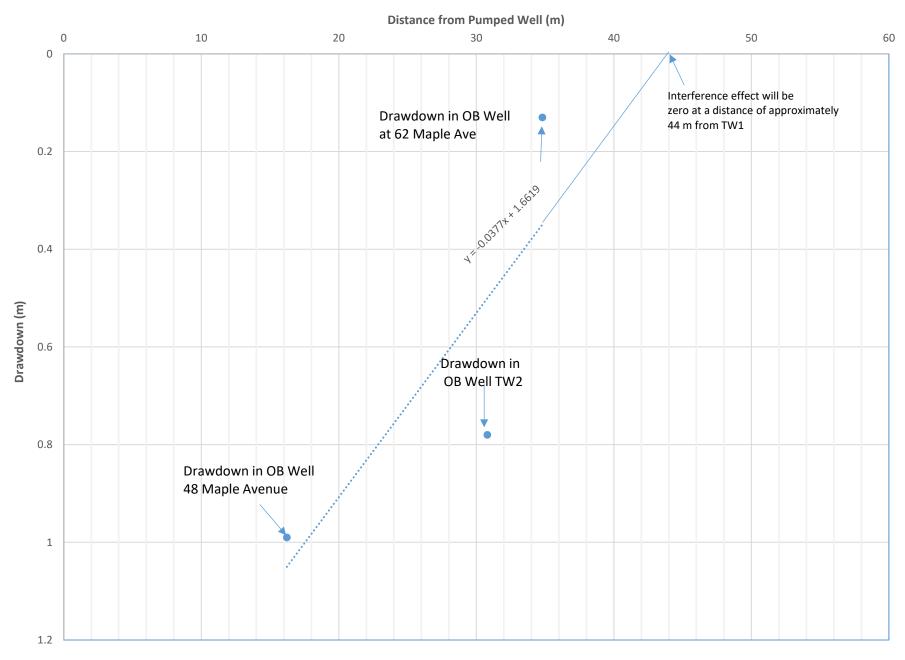


Figure 7: TW1 Interference Effects

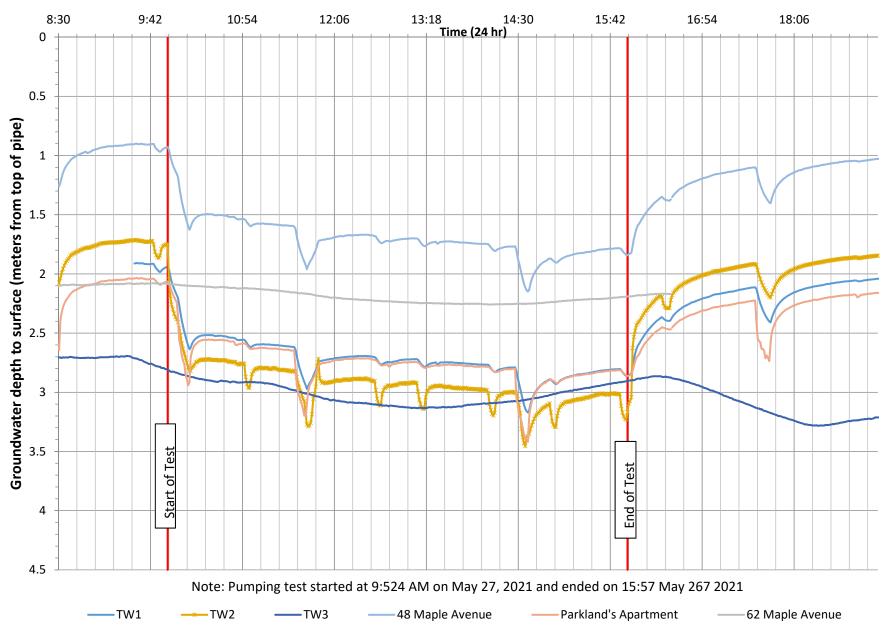


Figure 8: Pumping Test on TW2 (A308588)

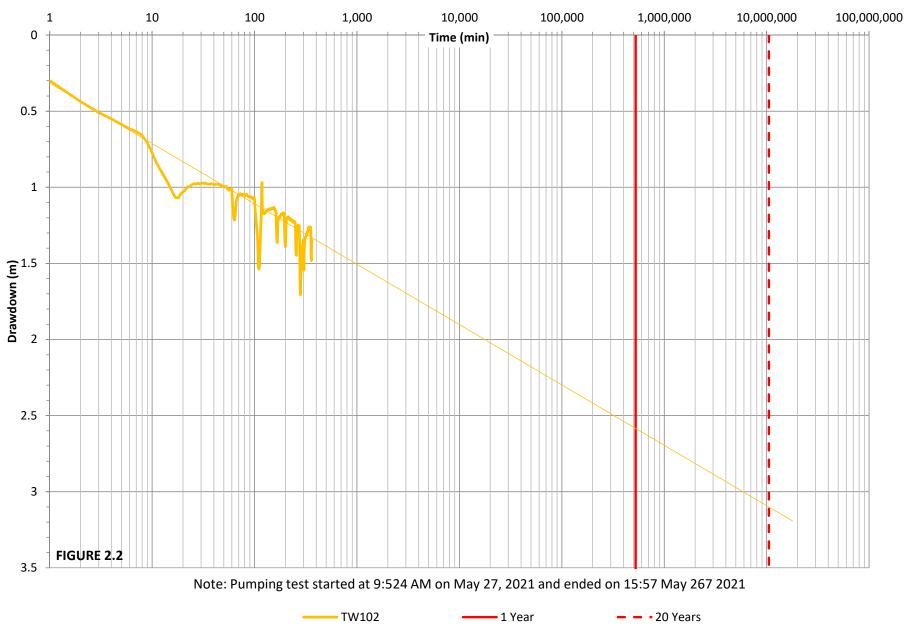


Figure 9: Extrapolated Drawdown on TW2 (A308588)

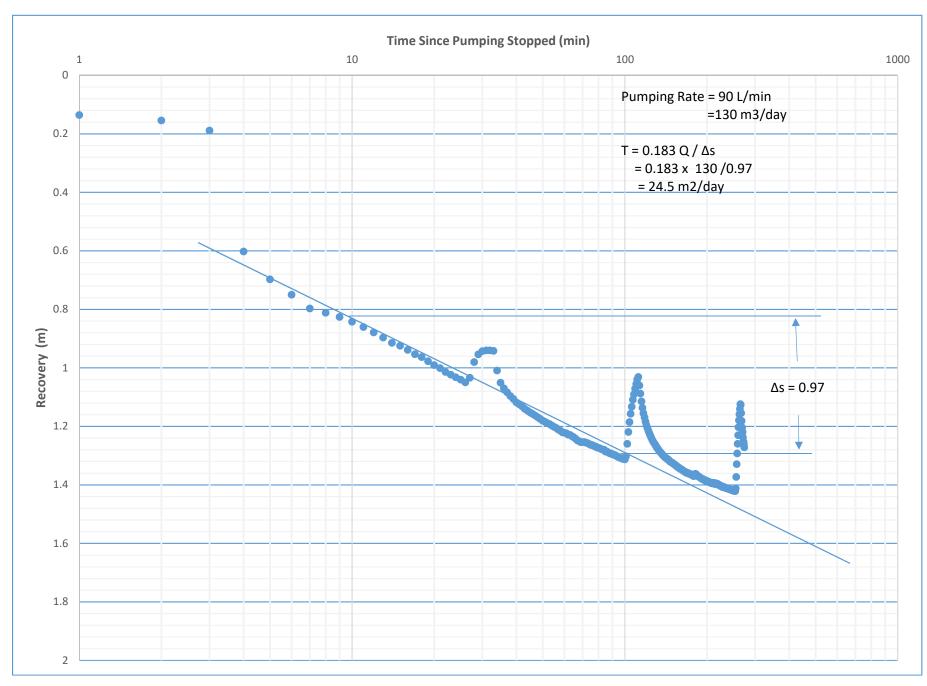


Figure 10: TW2 Time - Recovery

Pumping Test Analysis Report FIGURE 11

Project: Hydrogeological Investigation

Number: 12397-001

Client: Hot Pond Enterprises Corporation

Location: 46 Maple Avenue, Halliburton, O Pumping Test: TW2

Test Conducted by: Josh/Michelle

Analysis Performed by: Sudhakar Kurli

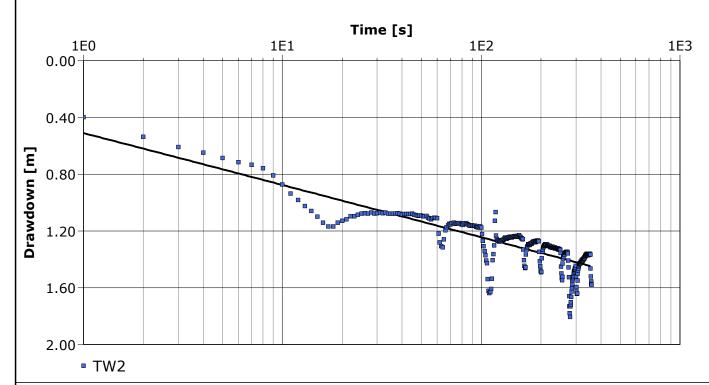
Theis

Pumping Well: TW2

Test Date: 5/27/2021

Analysis Date: 6/27/2021

Aquifer Thickness: 21.00 m Discharge Rate: 1.53 [l/s]



Calculation	usina	Theis
Calculation	usiiiu	111010

Observation Well	Transmissivity	Hydraulic Conductivity	Storage coefficient	Radial Distance to PW	
	[m²/s]	[m/s]		[m]	
TW2	8 × 10 ⁻⁴	4 × 10 ⁻⁵	3.20 × 10 ⁻³	0.15	

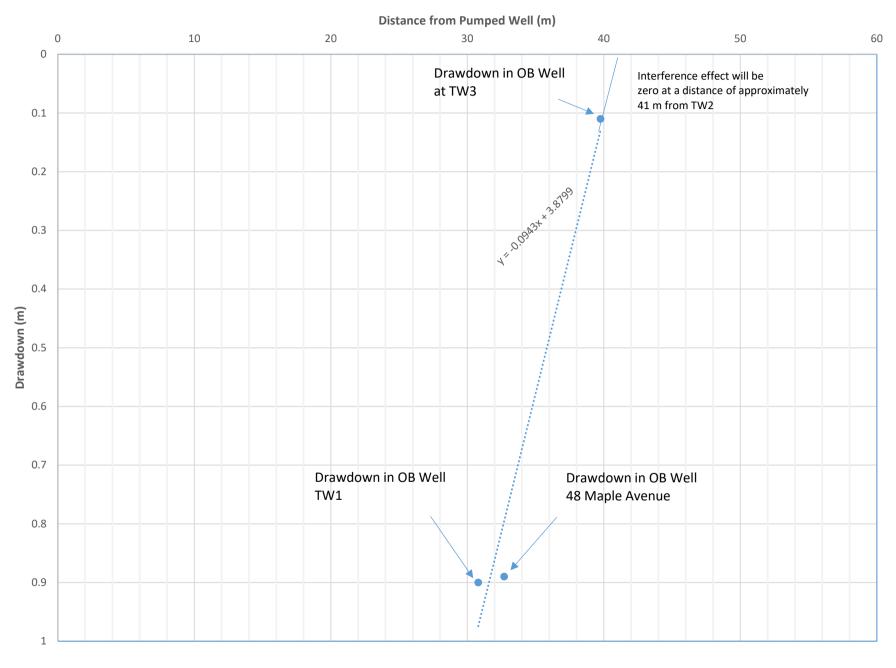
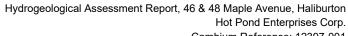


Figure 12: TW2 Interference Effects

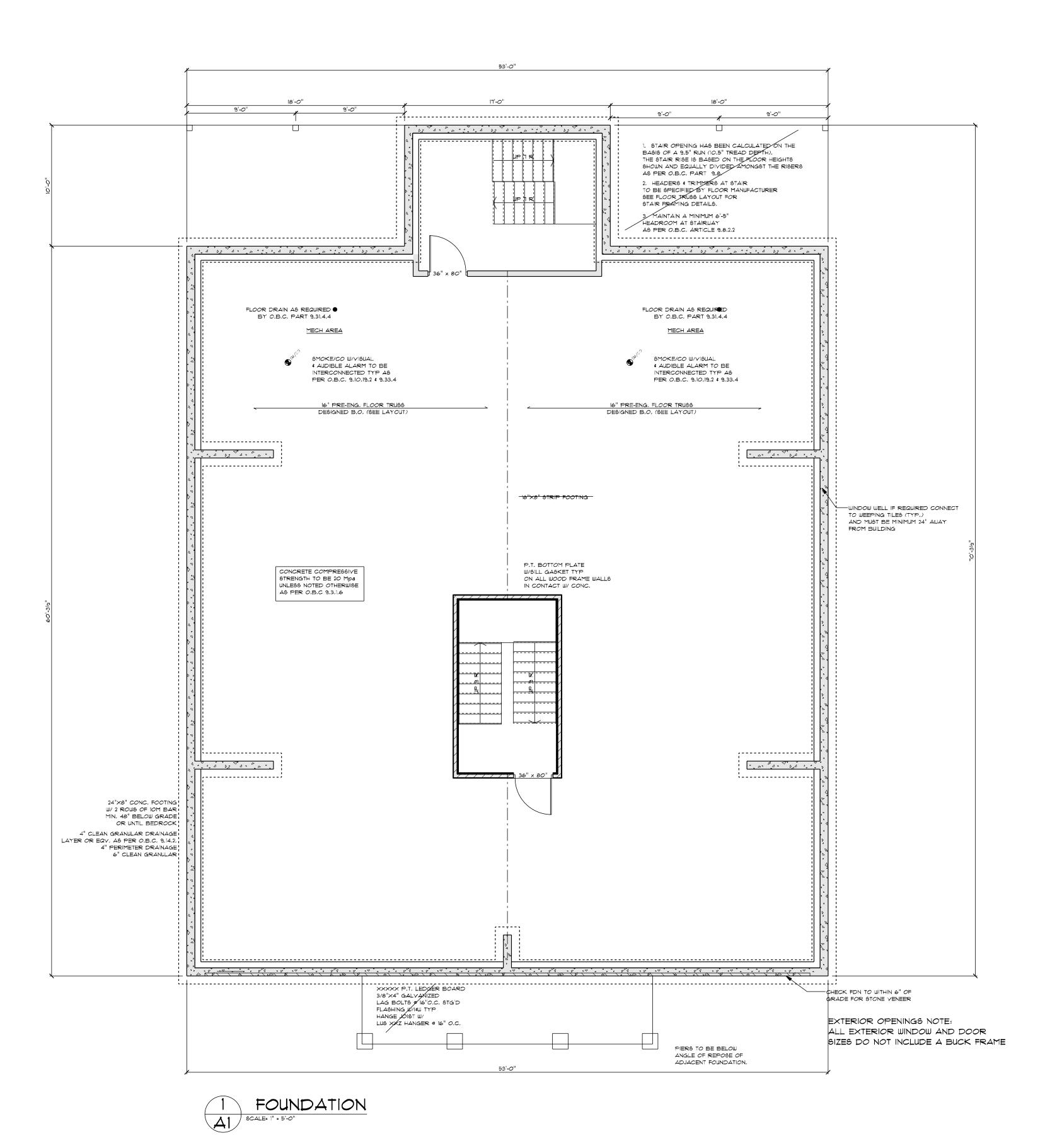


Cambium Reference: 12397-001 February 10, 2022



Appendix A Proposed Development Plan

Cambium Inc. Page 26





HALIBURTON, ONTARIO (705)457-5085 info@highlanddesign.ca

GENERAL NOTES:

- I. ALL DRAWINGS, DIMENSIONS AND OPENING SIZES TO BE VERIFIED BY OWNER AND CONTRACTOR PRIOR TO CONSTRUCTION, ANY DISCREPANCIES ARE TO BE REPORTED TO HIGHLAND DESIGN FOR CLARIFICATION.
- STEP FOOTINGS ARE TO HAVE A MAX.
 RISE OF 23 5/8" AND A MIN, RUN
- OF 23 5/8" PER STEP AS PER O.B.C. 9.15.3.9
 3. COMPRESSIVE STRENGTH OF CONCRETE TO CONFORM TO O.B.C. 9.3.1.6.
- 4. BACKFILL HEIGHTS FOR FOUNDATION WALLS TO CONFORM TO O.B.C. TABLE 9.15.4.2.A.
- 5. ALL OPENINGS ARE DIMENSIONED
 WITH NOMINAL SIZES, EXTERIOR OPENINGS
 HAYE 2-2"XIO" LINTEL UNLESS NOTED OTHERWISE,
 ALL OPENINGS TO HAVE R.S.O. ADDED TO DIM
- ALL OPENINGS TO HAVE R.S.O. ADDED TO DIM.
 OPENING SIZES INCLUDE TRANSOMS.
 6. ALL E.W.P.'S TO BE INSTALLED AS PER
- MANUFACTURER'S INSTRUCTIONS

 4 SPECIFICATIONS.
- ALL DECKS, STAIRS, LOFTS ETC ARE TO HAVE GUARDS INSTALLED AS PER O.B.C. 98 & 9B-1.
 SMOKE & CO DETECTORS/ALARMS TO BE
- INSTALLED AS PER O.B.C. 9.10.19.2 \$ 9.33.4 9. VENTILATE ROOF TO RATIO OF INSULATED CEILING AREA AS PER O.B.C. 9.19.1.2
- IO. ATTICS ARE TO BE PROVIDED WITH AN INSUL. \$
 SEALED ACCESS HATCH THAT
 IS MIN. 21 5/8"X24"

 II. ELEVATION DRAWINGS ARE BASED ON
 CURRENT MATERIALS INFORMATION
- AND FINAL APPEARANCE MAY CHANGE
 DUE TO SUBSTITUTIONS IN MATERIALS.

 12. THESE DRAWINGS ARE NOT TO BE SCALED,
 AND REMAIN, THE PROPERTY OF
 HIGHLAND DESIGN AND MAY NOT BE COPIED
 OR REPRODUCED BY ANYONE BY ANY MEANS.

REV. *:	DATE:	REVISION:
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6		

REGISTERED DESIGNER	REGISTERED DESIGN FIRM
PROVINCE OF ONTARIO	PROVINCE OF ONTARIO
BEN DECÁRLO BCIN: 36522	2637795 ONT, LTD, O/A HIGHLAND DESIGN BCIN: 110400
DATE:	THESE DRAWINGS ARE NO CERTIFIED FOR PERMITS
SIG:	OR CONSTRUCTION UNLES SIGNED AND DATED.

PROJECT INFORMATION:

COMPLIANCE PACKAGE-	
INSULATION COMPONENT	R VALUE/ER
CEILING WITH ATTIC SPACE	-
CEILING WITHOUT ATTIC SPACE	-
EXPOSED FLOOR	-
WALLS ABOVE GRADE	-
BASEMENT WALLS	-
SLAB	
> 600mm BELOW GRADE	-
HEATED OR =/< 600mm B.G.	-
EDGE =/< 600mm B.G.	-
WINDOWS/DOORS	-
SKYLIGHTS	-
SPACE HEATING EQUIP. (%)	_
HRY (%)	-
DHW HEATER (EF)	-
DWHR (%)	-
FENESTRATION CALC	
AS PER SB-12	
WALL AREA=	-
FENESTRATION AREA=	-
TOTAL % OF WALL AREA=	-

DESIGN CRITERIA 9B-1 DESIGN DATA - HALIBURTON

FLOOR DEAD LOAD - 12 PSF

FLOOR LOADS: FLOOR LIVE LOAD - 40 PSF

ROOF LOADS: ROOF LIVE LOAD - 42 PSF ROOF DEAD LOAD - 12 PSF

ATTIC SPACE LOADS: LIVE LOAD - 10 PSF DEAD LOAD - 10 PSF

CUSTOMER NAME:

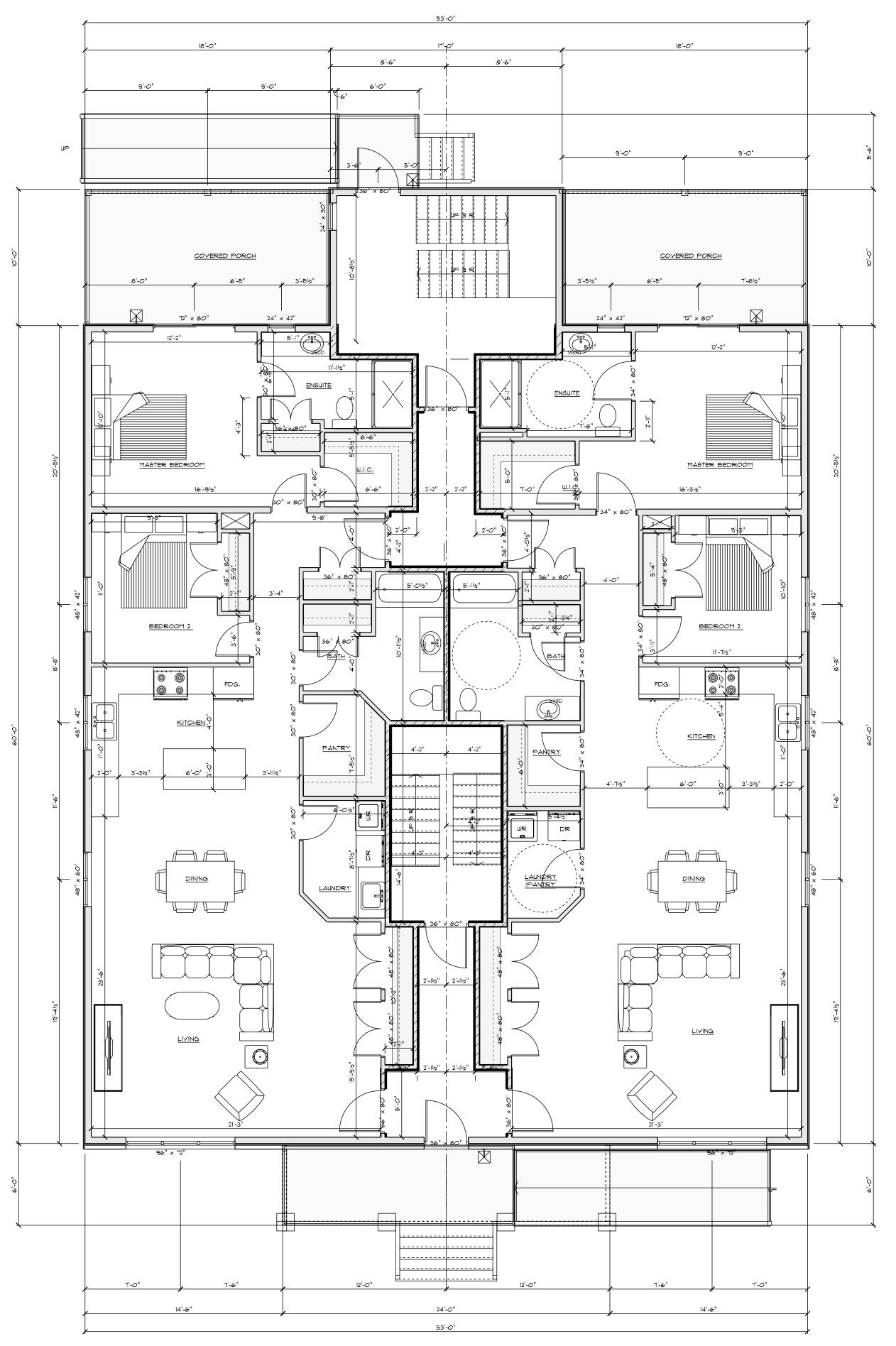
CARSON APT

PROJECT NUMBER:

PPA IECT TYPE

PROJECT TYPE:

SCALE:	1" = 5'-0"	DRAWING NUMBER:
DWG, DATE:	2021-07-15	
DRAWN BY:	H.FOULDS	A1
CHECKED BY:	B.DECARLO	



MAIN FL PLAN UNITS 101 \$ 102

\$CALE= 1" = 5'-0"

MAIN FL UNITÓ 1014102 AREAG = 1539 GAFT

UNITÓ 1014102 COVERED PORCH AREAG= 1746AFT



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- , STEP FOOTINGS ARE TO HAVE A MAX, RISE OF 23 5/8" AND A MIN, RUN
- OF 23 5/8" PER STEP AS PER O.B.C. 9.15.3.9
 3. COMPRESSIVE STRENGTH OF CONCRETE TO
- COMPRESSIVE STRENGTH OF CONCRETE TO CONFORM TO O.B.C. 9.3.1.6.
 BACKFILL HEIGHTS FOR FOUNDATION WALLS
- TO CONFORM TO O.B.C. TABLE 9.15.4.2.A.

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- \$PECIFICATIONS.
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- CEILING AREA AS PER O.B.C. 9.19.1.2

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- SEALED ACCESS HATCH THAT
 15 MIN, 21 5/8"X24"

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 OR REPRODUCED BY ANYONE BY ANY MEANS.

REV. *:	DATE:	REVISION:
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REGISTERED DESIGNER	REGISTERED DESIGN FI
PROVINCE OF ONTARIO	PROVINCE OF ONTARI
BEN DECARLO BCIN: 36522 DATE:	263T195 ONT, LTD, O/A HIGHLAND DESIG BCIN: 110400 THESE DRAWINGS ARE N CERTIFIED FOR PERMITS OR CONSTRUCTION UNLE
	ſ

SB-12 SPECIFICATION MA	TRIX
COMPLIANCE PACKAGE-	
INSULATION COMPONENT	R YALUE
CEILING WITH ATTIC SPACE	-
CEILING WITHOUT ATTIC SPACE	-
EXPOSED FLOOR	-
WALLS ABOYE GRADE	-
BASEMENT WALLS	-
CI AD	
SLAB > 600mm BELOW GRADE	-
HEATED OR =/< 600mm B.G.	-
EDGE =/< 600mm B.G.	
WINDOWS/DOORS	-
SKYLIGHTS	-
SPACE HEATING EQUIP. (%)	_
HRV (%)	+ -
DHW HEATER (EF)	 _
DWHR (%)	-
FENESTRATION CALC	
AS PER SB-12	
WALL AREA=	-
FENESTRATION AREA=	-
TOTAL % OF WALL AREA=	-

DESIGN CRITERIA 9B-1 DESIGN DATA - HALIBURTON

FLOOR LOADS: FLOOR LIVE LOAD - 40 PSF FLOOR DEAD LOAD - 12 PSF

ROOF LOADS: ROOF LIVE LOAD - 42 PSF ROOF DEAD LOAD - 12 PSF

ATTIC SPACE LOADS: LIVE LOAD - 10 PSF DEAD LOAD - 10 PSF

CUSTOMER NAME:

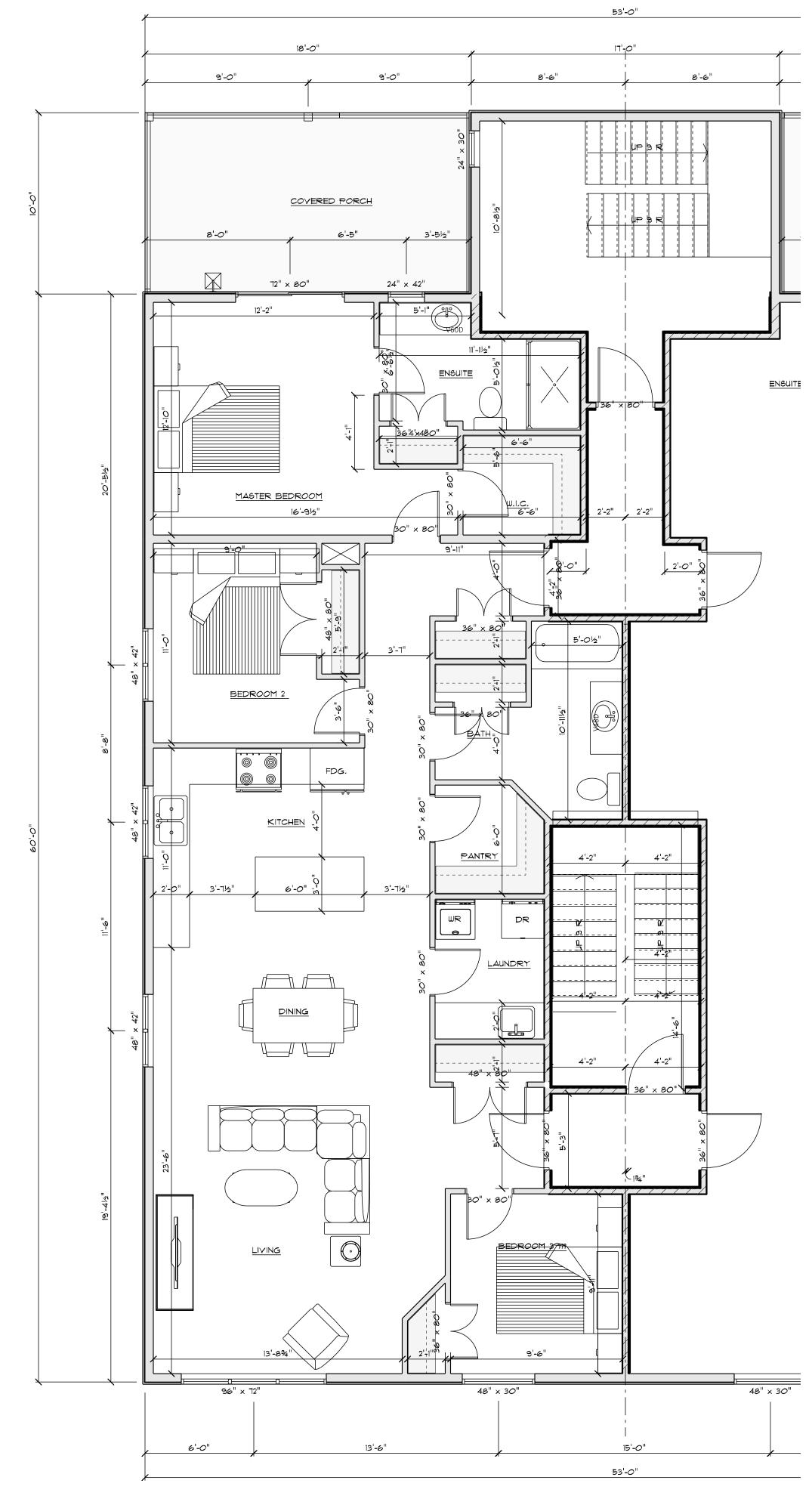
CARSON APT

2021-01

PROJECT NUMBER:

PROJECT TYPE:

SCALE:	1" = 5'-0"	DRAWING NUMBER
DWG. DATE:	2021-07-15	
DRAWN BY:	H.FOULDS	A 2
CHECKED BY:	B.DECARLO	



1 2ND FL PLAN UNITS 201 \$ 202

\$CALE= 1/4" = 1'-0"

UNITS 201 & 202 AREAS = 1471 SQFT

UNITS 201 & 202 COVERED PORCH AREAS = 187 SQFT



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- OF 23 5/8" AND A MIN, RUN
 OF 23 5/8" PER STEP AS PER O.B.C. 9.15.3.9
- COMPRESSIVE STRENGTH OF CONCRETE TO CONFORM TO O.B.C. 9.3.1.6.
 BACKFILL HEIGHTS FOR FOUNDATION WALLS
- TO CONFORM TO O.B.C. TABLE 9.15,4.2,A.
 5. ALL OPENINGS ARE DIMENSIONED
 WITH NOMINAL SIZES, EXTERIOR OPENINGS
- WITH NOMINAL SIZES, EXTERIOR OPENINGS
 HAVE 2-2"XIO" LINTEL UNLESS NOTED OTHERWISE,
 ALL OPENINGS TO HAVE R.S.O. ADDED TO DIM,
 OPENING SIZES INCLUDE TRANSOMS
- OPENINGS TO HAVE R.S.O. ADDED TO OPENING SIZES INCLUDE TRANSOMS.

 6. ALL E.W.P.'S TO BE INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS
- MANUFACTURER'S INSTRUCTIONS & SPECIFICATIONS.
- ALL DECKS, STAIRS, LOFTS ETC ARE TO HAVE GUARDS INSTALLED AS PER O.B.C. 98 & SB-1.
 SMOKE & CO DETECTORS/ALARMS TO BE
- INSTALLED AS PER O.B.C. 9.10.19.2 & 9.33.4 9. VENTILATE ROOF TO RATIO OF INSULATED
- 9. YENTILATE ROOF TO RATIO OF INSULATED CEILING AREA AS PER O.B.C. 9.19.1.2 10. ATTICS ARE TO BE PROVIDED WITH AN INSUL. \$
- SEALED ACCESS HATCH THAT

 IS MIN. 21 5/8"X24"

 II. ELEVATION DRAWINGS ARE BASED ON

 CURRENT MATERIALS INFORMATION

 AND FINAL APPEARANCE MAY CHANGE
- AND FINAL APPEARANCE MAY CHANGE
 DUE TO SUBSTITUTIONS IN MATERIALS.

 12. THESE DRAWINGS ARE NOT TO BE SCALED,
 AND REMAIN, THE PROPERTY OF
 HIGHLAND DESIGN AND MAY NOT BE COPIED
 OR REPRODUCED BY ANYONE BY ANY MEANS.

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REGISTERED DESIGNER PROVINCE OF ONTARIO	REGISTERED DESIGN FIRM PROVINCE OF ONTARIO
BEN DECARLO BCIN: 36522	263T195 ONT, LTD, O/A HIGHLAND DESIGN BCIN: 110400
DATE:	THESE DRAWINGS ARE NOT CERTIFIED FOR PERMITS
SIG:	OR CONSTRUCTION UNLESS SIGNED AND DATED.

PROJECT INFORMATION:

COMPLIANCE PACKAGE-	
INSULATION COMPONENT	R VALUE/ER
CEILING WITH ATTIC SPACE	-
CEILING WITHOUT ATTIC SPACE	-
EXPOSED FLOOR	-
WALLS ABOVE GRADE	-
BASEMENT WALLS	-
SLAB	
> 600mm BELOW GRADE	-
HEATED OR =/< 600mm B.G.	-
EDGE =/(600mm B.G.	-
WINDOWS/DOORS	-
SKYLIGHTS	-
SPACE HEATING EQUIP. (%)	_
HRY (%)	-
DHW HEATER (EF)	-
DWHR (%)	-
FENESTRATION CALC	
AS PER SB-12	
WALL AREA=	-
FENESTRATION AREA=	-
TOTAL % OF WALL AREA=	_

DESIGN CRITERIA 6B-1 DESIGN DATA - HALIBURTON

FLOOR LOADS: FLOOR LIVE LOAD - 40 PSF FLOOR DEAD LOAD - 12 PSF

ROOF LOADS: ROOF LIVE LOAD - 42 PSF ROOF DEAD LOAD - 12 PSF

2021-01

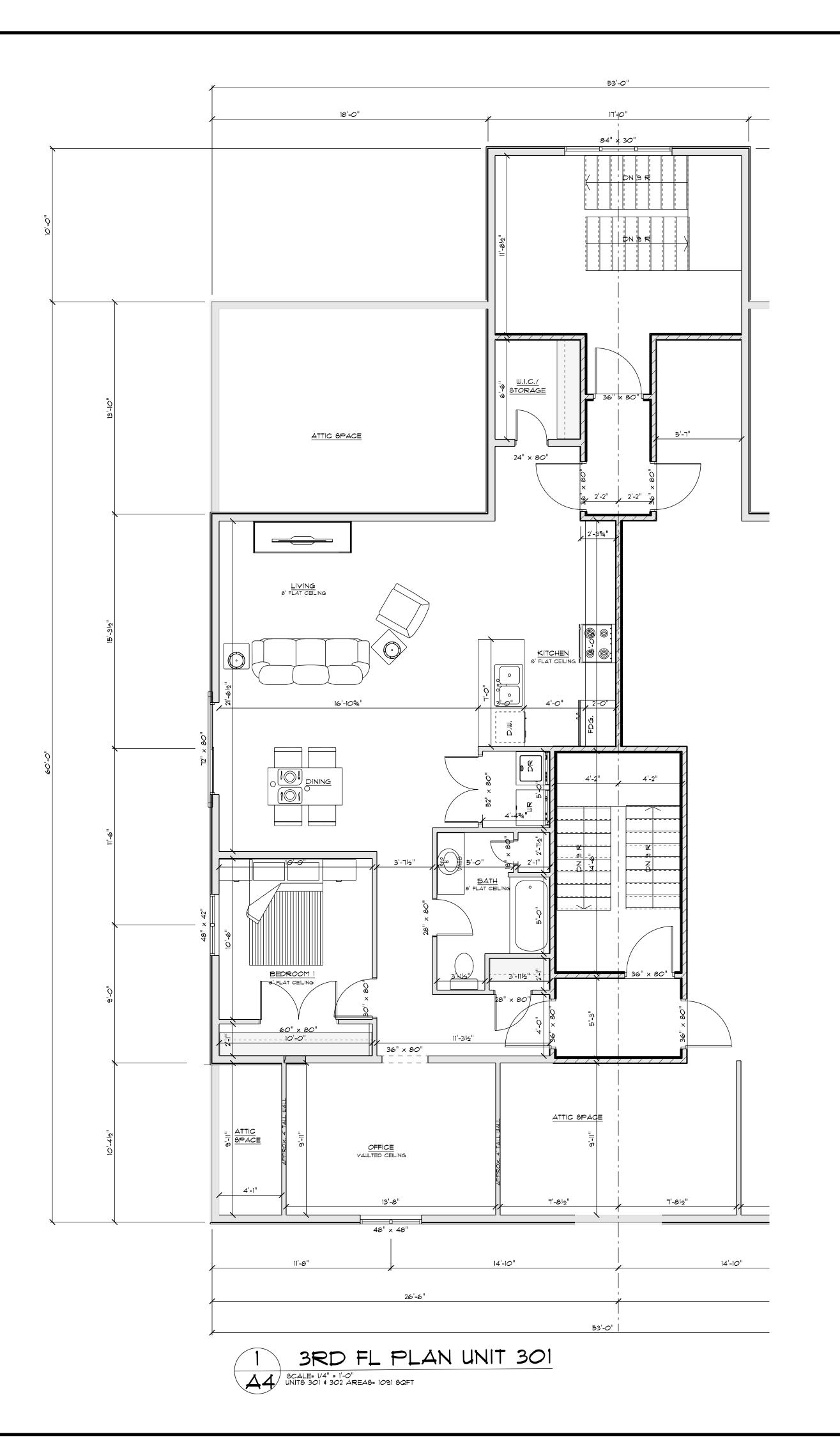
ATTIC SPACE LOADS: LIVE LOAD - 10 PSF DEAD LOAD - 10 PSF

CARSON APT

PROJECT NUMBER:

PROJECT TYPE:

SCALE:	1/4" = 1'-0"	DRAWING NUMBER:
DWG. DATE:	2021-07-15	
DRAWN BY:	H.FOULDS	A 3
CHECKED BY:	B.DECARLO	





HALIBURTON, ONTARIO (705)457-5085 info@highlanddesign.ca

GENERAL NOTES:

- ALL DRAWINGS, DIMENSIONS AND OPENING SIZES TO BE VERIFIED BY OWNER AND CONTRACTOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES ARE TO BE REPORTED TO HIGHLAND DESIGN FOR CLARIFICATION,
- STEP FOOTINGS ARE TO HAVE A MAX. RISE OF 23 5/8" AND A MIN, RUN
- OF 23 5/8" PER STEP AS PER O.B.C. 9.15.3.9
- COMPRESSIVE STRENGTH OF CONCRETE TO CONFORM TO O.B.C. 9.3.1.6.
- BACKFILL HEIGHTS FOR FOUNDATION WALLS TO CONFORM TO O.B.C. TABLE 9.15.4.2.A.
- ALL OPENINGS ARE DIMENSIONED WITH NOMINAL SIZES, EXTERIOR OPENINGS
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- OPENING SIZES INCLUDE TRANSOMS. ALL E.W.P.'S TO BE INSTALLED AS PER
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- ALL DECKS, STAIRS, LOFTS ETC ARE TO HAVE GUARDS INSTALLED AS PER O.B.C. 98 \$ SB-T. SMOKE & CO DETECTORS/ALARMS TO BE
- INSTALLED AS PER O.B.C. 9.10.19.2 \$ 9.33.4 VENTILATE ROOF TO RATIO OF INSULATED
- CEILING AREA AS PER O.B.C. 9,19,1,2 ATTICS ARE TO BE PROVIDED WITH AN INSUL. \$
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REGISTERED DESIGNER	REGISTERED DESIGN FIRM
PROVINCE OF ONTARIO	PROVINCE OF ONTARIO
BEN DECARLO BCIN: 36522	263T195 ONT, LTD, O/A HIGHLAND DESIGN BCIN: 110400
DATE:	THESE DRAWINGS ARE NOT CERTIFIED FOR PERMITS
SIG:	OR CONSTRUCTION UNLESS SIGNED AND DATED.

PROJECT INFORMATION:

SB-12 SPECIFICATION MAT	TRIX
COMPLIANCE PACKAGE-	
INSULATION COMPONENT	R YALUE/ER
CEILING WITH ATTIC SPACE	-
CEILING WITHOUT ATTIC SPACE	-
EXPOSED FLOOR	-
WALLS ABOVE GRADE	-
BASEMENT WALLS	-
6LAB	
> 600mm BELOW GRADE	-
HEATED OR =/< 600mm B.G.	-
EDGE =/(600mm B.G.	-
WINDOWS/DOORS	-
SKYLIGHTS	-
SPACE HEATING EQUIP. (%)	_
HRY (%)	-
DHW HEATER (EF)	-
DWHR (%)	-
FENESTRATION CALC	
AS PER SB-12	
WALL AREA=	-
FENESTRATION AREA=	-
TOTAL % OF WALL AREA=	-

DESIGN CRITERIA 9B-1 DESIGN DATA - HALIBURTON

FLOOR LOADS: FLOOR LIVE LOAD - 40 PSF FLOOR DEAD LOAD - 12 PSF

ROOF LOADS: ROOF LIVE LOAD - 42 PSF ROOF DEAD LOAD - 12 PSF

ATTIC SPACE LOADS: LIVE LOAD - 10 PSF DEAD LOAD - 10 PSF

CUSTOMER NAME: CARSON APT

PROJECT NUMBER:

PROJECT TYPE:

SCALE:	1/4" = 1'-0"	DRAWING NUMBER:
DWG, DATE:	2021-07-15	
DRAWN BY:	H.FOULDS	4
CHECKED BY:	B.DECARLO	





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 2. STEP FOOTINGS ARE TO HAVE A MAX.
 RISE OF 23 5/8" AND A MIN. RUN
 OF 23 5/8" PER STEP AS PER O.B.C. 9.15.3.9
- 3. COMPRESSIVE STRENGTH OF CONCRETE TO CONFORM TO O.B.C. 9.3.1.6.4. BACKFILL HEIGHTS FOR FOUNDATION WALLS
- TO CONFORM TO O.B.C. TABLE 9.15.4.2.A.

 5. ALL OPENINGS ARE DIMENSIONED
 WITH NOMINAL SIZES, EXTERIOR OPENINGS
 HAVE 2-2"XIO" LINTEL LAYERS NOTED OTHERWISE.
- HAVE 2-2"XIO" LINTEL UNLESS NOTED OTHERWISE, ALL OPENINGS TO HAVE R.S.O. ADDED TO DIM, OPENING SIZES INCLUDE TRANSOMS, 6. ALL E.W.P.'S TO BE INSTALLED AS PER
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- GUARDS INSTALLED AS PER O.B.C. 98 & 5B-7.

 8. SMOKE & CO DETECTORS/ALARMS TO BE INSTALLED AS PER O.B.C. 9.10.19.2 & 9.33.4
- 9. VENTILATE ROOF TO RATIO OF INSULATED
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OR REPRODUCED BY ANYONE BY ANY MEANS.

REGISTERED DESIGNER PROVINCE OF ONTARIO	REGISTERED DESIGN FIRM PROVINCE OF ONTARIO
BEN DECARLO BCIN: 36522 DATE:	2631195 ONT, LTD, O/A HIGHLAND DESIGN BCIN: 110400 THESE DRAWINGS ARE NOT CERTIFIED FOR PERMITS OR CONSTRUCTION UNLESS SIGNED AND DATED,

PROJECT INFORMATION:

6B-12 SPECIFICATION MAT	RIX
COMPLIANCE PACKAGE-	
INSULATION COMPONENT	R VALUE/
CEILING WITH ATTIC SPACE	-
CEILING WITHOUT ATTIC SPACE	-
EXPOSED FLOOR	=
WALLS ABOYE GRADE	-
BASEMENT WALLS	-
SLAB	
> 600mm BELOW GRADE	-
HEATED OR =/< 600mm B.G.	-
EDGE =/< 600mm B.G.	-
WINDOWS/DOORS	
SKYLIGHTS	-
5K T LIGHTS	-
SPACE HEATING EQUIP. (%)	_
HRY (%)	-
DHW HEATER (EF)	-
DWHR (%)	-
FENESTRATION CALC	
A6 PER 6B-12	
WALL AREA=	-
FENESTRATION AREA=	-
TOTAL % OF WALL AREA=	-

DESIGN CRITERIA SB-1 DESIGN DATA - HALIBURTON

FLOOR LOADS: FLOOR LIVE LOAD - 40 PSF

FLOOR DEAD LOAD - 12 PSF ROOF LOADS: ROOF LIVE LOAD - 42 PSF

ROOF DEAD LOAD - 12 PSF

ATTIC SPACE LOADS: LIVE LOAD - 10 PSF DEAD LOAD - 10 PSF

CUSTOMER NAME:

CARSON APT

2021-01

PROJECT NUMBER:

PROJECT TYPE:

SCALE:	1/4" = 1'-0"	DRAWING NUMBER:
DWG. DATE:	2021-07-15	DIVINITIO NOTICE (V
DRAWN BY:	H.FOULDS	45
CHECKED BY:	B DECARLO	





HALIBURTON, ONTARIO (705)457-5085 Info@highlanddesign.ca

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BEN DECARL BCIN: 36522	O/A HIGHLAND DESIGN BCIN: 110400
DATE:	THESE DRAWINGS ARE NO CERTIFIED FOR PERMITS
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PROJECT INFORMATION:

SB-12 SPECIFICATION MAT	TRIX
COMPLIANCE PACKAGE-	
INSULATION COMPONENT	R YALUE/ER
CEILING WITH ATTIC SPACE	•
CEILING WITHOUT ATTIC SPACE	-
EXPOSED FLOOR	1
WALLS ABOYE GRADE	ı
BASEMENT WALLS	-
SLAB	
> 600mm BELOW GRADE	-
HEATED OR =/< 600mm B.G.	-
EDGE =/< 600mm B.G.	-
WINDOWS/DOORS	-
SKYLIGHTS	-
SPACE HEATING EQUIP. (%)	•
HRY (%)	•
DHW HEATER (EF)	-
DWHR (%)	-
FENESTRATION CALC	
AS PER SB-12	
WALL AREA=	-
FENESTRATION AREA=	-
TOTAL % OF WALL AREA=	-

DESIGN CRITERIA 5B-I DESIGN DATA - HALIBURTON

FLOOR LOADS: FLOOR LIVE LOAD - 40 PSF FLOOR DEAD LOAD - 12 PSF

ROOF LOADS: ROOF LIVE LOAD - 42 PSF ROOF DEAD LOAD - 12 PSF

ATTIC SPACE LOADS: LIVE LOAD - 10 PSF DEAD LOAD - 10 PSF

CUSTOMER NAME:

CARSON APT

PROJECT NUMBER:

PROJECT TYPE:

SCALE:	1/4" = 1'-0"	DRAWING NUMBER
DWG, DATE:	2021-07-15	
DRAWN BY:	H,FOULDS	46
CHECKED BY:	B.DECARLO	





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GENERAL NOTES:

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 ALL OPENINGS TO HAVE R.S.O. ADDED TO DIM.
 OPENING SIZES INCLUDE TRANSOMS.
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- 9. VENTILATE ROOF TO RATIO OF INSULATED CEILING AREA AS PER O.B.C. 9.19.1.2

 10. ATTICS ARE TO BE PROVIDED WITH AN INSUL. \$

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REGISTERED DESIGNER REGISTERED DESIGN FIRM

HIGHLAND DESIGN AND MAY NOT BE COPIED OR REPRODUCED BY ANYONE BY ANY MEANS.

PROVINCE OF ONTARIO	PROVINCE OF ONTARIO
BEN DECARLO BCIN: 36522 DATE:	2631195 ONT, LTD, O/A HIGHLAND DESIGN BCIN: 110400 THESE DRAWINGS ARE NOT CERTIFIED FOR PERMITS OR CONSTRUCTION UNLESIGNED AND DATED,

PROJECT INFORMATION:

6B-12 SPECIFICATION MAT	RIX
COMPLIANCE PACKAGE-	
INSULATION COMPONENT	R VALUE/
CEILING WITH ATTIC SPACE	-
CEILING WITHOUT ATTIC SPACE	-
EXPOSED FLOOR	=
WALLS ABOYE GRADE	-
BASEMENT WALLS	-
SLAB	
> 600mm BELOW GRADE	-
HEATED OR =/< 600mm B.G.	-
EDGE =/< 600mm B.G.	-
WINDOWS/DOORS	
SKYLIGHTS	-
5K T LIGHTS	-
SPACE HEATING EQUIP. (%)	_
HRY (%)	-
DHW HEATER (EF)	-
DWHR (%)	-
FENESTRATION CALC	
A6 PER 6B-12	
WALL AREA=	-
FENESTRATION AREA=	-
TOTAL % OF WALL AREA=	-

DESIGN CRITERIA 5B-1 DESIGN DATA - HALIBURTON

FLOOR LOADS: FLOOR LIVE LOAD - 40 PSF FLOOR DEAD LOAD - 12 PSF

ROOF LOADS: ROOF LIVE LOAD - 42 PSF ROOF DEAD LOAD - 12 PSF

ATTIC SPACE LOADS: LIVE LOAD - 10 PSF DEAD LOAD - 10 PSF

CUSTOMER NAME:

CARSON APT

PROJECT NUMBER:

PROJECT TYPE:

113325

SCALE:	1/4" = 1'-0"	DRAWING NUMBER
DWG, DATE:	2021-07-15	
DRAWN BY:	H.FOULDS	ΓA
CHECKED BY:	B.DECARLO	





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CONFORM TO O.B.C. 9.3.1.6.

- BACKFILL HEIGHTS FOR FOUNDATION WALLS TO CONFORM TO O.B.C. TABLE 9.15.4.2.A. ALL OPENINGS ARE DIMENSIONED WITH NOMINAL SIZES, EXTERIOR OPENINGS
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- GUARDS INSTALLED AS PER O.B.C. 98 \$ SB-T. SMOKE & CO DETECTORS/ALARMS TO BE INSTALLED AS PER O.B.C. 9.10.19.2 \$ 9.33.4
- VENTILATE ROOF TO RATIO OF INSULATED CEILING AREA AS PER O.B.C. 9.19.1.2 . ATTICS ARE TO BE PROVIDED WITH AN INSUL, \$
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BEN DECARLO BCIN: 36522	2637195 ONT, LTD, O/A HIGHLAND DESIGN BCIN: 110400
DATE:	THESE DRAWINGS ARE NOT CERTIFIED FOR PERMITS
SIG:	OR CONSTRUCTION UNLESS SIGNED AND DATED.

PROJECT INFORMATION: SB-12 SPECIFICATION MATRIX COMPLIANCE PACKAGE-

INSULATION COMPONENT	R VALUE/ER
CEILING WITH ATTIC SPACE	-
CEILING WITHOUT ATTIC SPACE	-
EXPOSED FLOOR	-
WALLS ABOYE GRADE	-
BASEMENT WALLS	-
SLAB	
> 600mm BELOW GRADE	-
HEATED OR =/(600mm B.G.	-
EDGE =/< 600mm B.G.	-
WINDOWS/DOORS	-
SKYLIGHTS	-
SPACE HEATING EQUIP. (%)	-
HRY (%)	-
DHW HEATER (EF)	-
DWHR (%)	-
FENESTRATION CALC	
AS PER SB-12	
WALL AREA=	-
FENESTRATION AREA=	-
TOTAL % OF WALL AREA=	-

DESIGN CRITERIA SB-1 DESIGN DATA - HALIBURTON

FLOOR LOADS: FLOOR LIVE LOAD - 40 PSF FLOOR DEAD LOAD - 12 PSF

ROOF LOADS: ROOF LIVE LOAD - 42 PSF ROOF DEAD LOAD - 12 PSF

ATTIC SPACE LOADS: LIVE LOAD - 10 PSF DEAD LOAD - 10 PSF

CUSTOMER NAME:

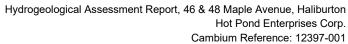
CARSON APT PROJECT NUMBER:

PROJECT TYPE:

SITE LOCATION:

SCALE:	1/4" = 1'-0"	DRAWII
DIIG DATE:	2021-07-15	

WING NUMBER DRAWN BY: H.FOULDS CHECKED BY: B.DECARLO



CABINA

February 10, 2022

Appendix B Test Well Records

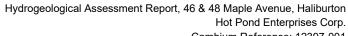
Cambium Inc. Page 27

Ministry of the Environment, Ontario 📆 Well Tag No. (Place Sticker and/or Print Below) Well Record Conservation and Parks Tag#:A308588 Regulation 903 Ontario Water Resources Act Measurements recorded in: Metric Imperial Page Well Owner's Information Last Name/Organization Het Pond Ent. Corp. First Name E-mail Address HICHARD
Mailing Address (Street Number/Nam ARSON rearson edeloite . ca by Well Owner Postal Code Municipality Province Telephone No. (inc. area code) 120 Gienayr Road M5 P3C2 416 4140236 Toronto **Well Location** Address of Well Location (Street Number/Name) Concession Dysart 46 Maple Avenue 17 8 County/District/Municipality Province Postal Code Haliburton Haliburton Ontario K0 m150 NAD 8 3 1 76 0 8 1 49 9 3 6 FIRS WELL Municipal Plan and Sublot Number Other Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) Depth (m/ft) From To Other Materials General Description MUCK SOFT BLACK FINE SAND GRANITIC 30 BROWN STONES, SAND **Results of Well Yield Testing Annular Space** Volume Placed After test of well yield, water was: Recovery Type of Sealant Used Depth Set at (m/ft) Time Material and Type) (m3/ft3) Clear and sand free Time Water Leve (m/ft) (min) (m/ft) Other, specify (min) 20 BENSEAL Statio 4.0 If pumping discontinued, give reason Leve 1 Pump intake set at (m/ft) 2 2 3 3 Pumping rate (I/min / GPM) Method of Construction Well Use 15 4 Cable Tool ☐ Public Commercial ☐ Not used Rotary (Conventional) Jetting ☐ Domestic ☐ Municipal Dewatering 5 5 hrs + O min Rotary (Reverse) ☐ Monitoring Livestock Test Hole Final water level end of pumping (m/ft) ☐ Boring ☐ Digging ☐ Irrigation Cooling & Air Conditioning 10 10 Air percussion ☐ Industrial Other, specify Other, specify 15 15 If flowing give rate (I/min/GPM) **Construction Record - Casing** Status of Well 20 20 Recommended pump depth (m/ft) Open Hole OR Material Depth (m/ft) Water Supply Wall (Galvanized, Fibreglass, Concrete, Plastic, Steel) Thickness Replacement Well 25 25 50 From (cm/in) ☐ Test Hole Recommended pump rate Recommenda (I/min/GPM) 15 30 30 Recharge Well 188 +2 MERL ☐ Dewatering Well 40 Observation and/or Well production (I/min/GBM)

Disinfected? Monitoring Hole 50 50 Alteration (Construction) 60 60 Yes Abandoned, Insufficient Supply Map of Well Location Construction Record - Screen Abandoned, Poor Outside Water Quality Please provide a map below following instructions on the back. Depth (m/ft) Material (Plastic, Galvanized, Steel) Diameter Abandoned, other, To (cm/in) specify Other, specify Hole Diameter Water Details Water found at Depth Kind of Water: Fresh Untested Other, specify Water found at Depth Kind of Water: Fresh Untested Diameter (cm/in) Depth (m/ft) From 61 (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested Other, specify (m/ft) Gas Well Contractor and Well Technician Information Business Name of Well Contractor 1 le Municipality Comments: CR SEPTICE Ministry Use Only iburten artes an agmail con information package 202104 package delivered Yes 2021948 2021046 ☐ No Ministry's Copy

Ministry of the Environment, Ontario 😭 Well Tag No. (Place Sticker and/or Print Below) Well Record **Conservation and Parks** Tag#:A308589 Regulation 903 Ontario Water Resources Act Measurements recorded in: Metric Imperial **Well Owner's Information** Last Name/Organization
HOT Pend Enterprises
Municipality E-mail Address - Well Constructed First Name rearson@deloitte.ca by Well Owner Corp Postal Code Telephone No. (inc. area code)
MSP3C24164140236 Mailing Address (Street Number/Name) Province 120 Glenay ON laranto Address of Well Location (Street Number/Name) Township DYSev Concession County/District/Municipality Lot City/Town/Village Postal Code Province Haliburtan UTM Coordinates Zone, Easting Haliburtar Municipal Plan and Sublot Number Ontario KOMISO Other Northing NAD 8 3 1 7 6 9 6 0 8 4 4 9 9 1 3 3 2 Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) Depth (m/ft) Most Common Material Other Materials General Description Sil Brown Sand 0 Grey 77 Red Agrey Caranite 90 **Results of Well Yield Testing Annular Space** Depth Set at (m/ft) From To Type of Sealant Used (Material and Type) After test of well yield, water was: Draw Down Volume Placed Time Water Level Time Water Level Clear and sand free
Other, specify (m^3/ft^3) (min) (m/ft) (m/ft) (min) Bentanite Static If pumping discontinued, give reason: Leve 3 1 Pump intake set at (m/ft) 2 2 0 3 3 Pumping rate (I/min / GPM) Well Use **Method of Construction** 4 Cable Tool · Public Commercial ■ Not used Duration of pumping hrs + min Dewatering ___ Jetting ☐ Municipal Rotary (Conventional) □ Domestic 5 5 ☐ Driving ☐ Monitoring Rotary (Reverse) Livestock Final water level end of pumping (m/ft) ■ Boring Digging ☐ Irrigation ☐ Cooling & Air Conditioning 5 10 10 4 Air percussion Industrial Other, specify Other, specify 15 6 15 If flowing give rate (I/min/GPM) **Construction Record - Casing** Status of Well 20 20 Water Supply Open Hole OR Material Recommended pump depth (m/ft) (Galvanized, Fibreglass Thickness Replacement Well 50 25 25 From To (cm/in) Concrete, Plastic, Steel) (cm/in) ☐ Test Hole 1/2 Recommended pump rate 30 30 78 Recharge Well (I/min/GPM) □ Dewatering Well 40 40 Observation and/or Well production (l/min/GPM)

Disinfected? Monitoring Hole 50 50 Alteration (Construction) Yes No 60 60 Abandoned, Insufficient Supply Map of Well Location Construction Record - Screen Abandoned, Poor Please provide a map below following instructions on the back. Outside Depth (m/ft) Water Quality Material Abandoned, other, (Plastic, Galvanized, Steel) From To (cm/in) specify Other, specify **Water Details Hole Diameter** Water found at Depth Kind of Water. Fresh Untested Depth (m/ft) Diameter (m/ft) ☐ Gas ☐ Other, specify From (cm/in) 10 10 0 Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Othe r,specify 90 8 Water found at Depth Kind of Water: Fresh Untested Well-X (m/ft) Gas Other, specify Well Contractor and Well Technician Information Business Name of Well Contractor Victoria St Haliburtan Artes Business Address (Street Number/Name) 334 Industria icus Well Ovilles 1 C Comments: Postal Code Haliburton Province KCMI Sobaliburten, arte Sian Ramed, com Ministry Use Only Well owner's information Date Package Delivered Audit No. **Z350849** Bus. Telephone No. (inc. area code) Name of Well Technician (Last Name of Well Technican (Last Name of Well Technician (Last Name of Well Technician (Last N 2012/0420 package delivered Jake Date Work Completed Yes nce No. Signature of Technician and/or Contractor Date Submitted ☐ No 2010426 0506E (2020/06) © Queen's Printer of Ontario, 2020 70710420 Ministry's Copy



Cambium Reference: 12397-001 February 10, 2022



Appendix C Well Survey Summary & Letter

Cambium Inc. Page 28



Address (well Tes)	Commercial/	Well	Water	History.	Desision	
Address (well Tag)	Residential	Depth (m)	Level (m)	History	Decision	
83 Maple Avenue	Commerical	24.13	8.17		Yes to participation	
36 Maple Avenue (A047600)	Residential	14.81	5.02 (pumping)	Newer well, historically gone dry, 5 m away from deep well on client's lot, 75 m away from OCWA well	Yes to participation	
28 Maple Avenue	Residential	11.73	6.19	Old well. House 1920s, high iron. Pump present	No to participation	
21 Victoria Street	St Antony's Church				Left letter, Yes to	
21 Victoria Street	St Antony's Church				participation	
41 Manla Avanua	Commercial				Wanted confirmation email	
41 Maple Avenue	Commercial				from Jeremy	
78 Maple Ave	Public Library				No answer, left letter	
42 York Street	Residential				No answer, left letter	
46 York Street	Residential				No answer, left letter	
101 Maple Avenue	Commerical (Cottage Rentals)				No answer, left letter	
27 Park Street	Residential				No answer, left letter	
50 York Street	Commercial	73		No issues	Doesn't want to participate	



Environmental

Geotechnical

Building Sciences

Construction Monitoring

Telephone

(866) 217.7900 (705) 742.7900

Facsimile

(705) 742.7907

Website

cambium-inc.com

Mailing Address

P.O. Box 325 52 Hunter Street East Peterborough, ON K9H 1G5

Locations

Peterborough Kingston Barrie Oshawa

Laboratory Peterborough





May 12, 2021

Dear Homeowner or Business owner,

Cambium Inc. (Cambium) is completing a groundwater study in the area of Maple Avenue and Park Street. The study is regarding a proposed residential development along Maple Avenue between Park Street and Victoria Street, which includes two new water wells.

The new development must undertake a well survey and hydraulic pumping test for their water supply well to ensure that there is enough quantity and quality of potable water for the development without negatively impacting adjacent users.

As part of the groundwater study, we are collecting water level information from near-by residents who draw their drinking water from a well. With your permission, Cambium staff will measure the water level and depth of the well that services your residence/building.

Due to the COVID-19 social distancing requirements, the onsite technician will not come into close contact with you and will not enter your home/business.

In May, Cambium will undertake three separate six-hour pumping tests on two new source wells, and one existing source well for the development. With your permission, Cambium staff will measure the water levels in your well during the pumping tests. The objective of the pumping test is to determine if there is any connectivity between the new source well and surrounding well users, and to ensure that there will be no disruption of water takings from neighbouring wells.

If you wish to participate in the monitoring program or would like more information please contact Jeremy Tracey at 1-705-868-3758 or at jeremy.tracey@cambium-inc.com.

Thank you.

Best regards,

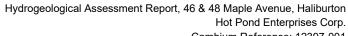
Cambium Inc.

Jeremy Tracey, P.Eng. Project Coordinator

JPT

P:\12300 to 12399\12397-001 Hot Pond Enterprises Corp - HydroGeo Assess - 46 Maple Ave, Haliburton\Background\2021-05-10 Residential Letter.docx

12397-001 Page 1



Cambium Reference: 12397-001 February 10, 2022



Appendix D Pumping Test Analysis Reports

Cambium Inc. Page 29

Cambium Inc.	
135 Bayfield St #102, Barrie	e, ON L4M 3B3

Pumping Test - Water Level Data	Page 1 of 7
Project: Hydrogeological Investigation	
Number: 12397-001	

Client: Hot Pond Enterprises Corporation

Location: 46 Maple Avenue, Halliburton, O Pumping Test: TW 101 Pumping Well: TW 101

Test Conducted by: Josh/Michelle Test Date: 5/26/2021 Discharge Rate: 1.6 [l/s]

Observation Well: TW 101 Static Water Level [m]: 1.47 Radial Distance to PW [m]: -

Observation Well: TW 101			Static Water Level [m]: 1.47		
	Time [s]	Water Level [m]	Drawdown [m]		
1	0	1.636	0.166		
2	4	1.5787	0.1087		
3	5	2.5061	1.0361		
4	6	2.3898	0.9198		
5	7	2.3423	0.8723		
6	8	2.3913	0.9213		
7	9	2.5311	1.0611		
8	10	2.3621	0.8921		
9	11	2.3098	0.8398		
10	12	2.3173	0.8473		
11	13	2.4445	0.9745		
12	14	2.4257	0.9743		
	15	2.4257			
13			0.9553		
14	16 17	2.4528	0.9828		
15		2.4617	0.9917		
16	18	2.4569	0.9869		
17	19	2.4818	1.0118		
18	20	2.4914	1.0214		
19	21	2.5121	1.0421		
20	22	2.503	1.033		
21	23	2.5217	1.0517		
22	24	2.5173	1.0473		
23	25	2.5231	1.0531		
24	26	2.5264	1.0564		
25	27	2.5293	1.0593		
26	28	2.5554	1.0854		
27	29	2.5386	1.0686		
28	30	2.5574	1.0874		
29	31	2.5564	1.0864		
30	32	2.5662	1.0962		
31	33	2.5733	1.1033		
32	34	2.5565	1.0865		
33	35	2.5697	1.0997		
34	36	2.5691	1.0991		
35	37	2.5829	1.1129		
36	38	2.6697	1.1997		
37	39	2.6694	1.1994		
38	40	2.6691	1.1991		
39	41	2.6991	1.2291		
40	42	2.7144	1.2444		
41	43	2.7048	1.2348		
42	44	2.7132	1.2432		
43	45	2.736	1.266		
44	46	2.749	1.279		
45	47	2.7408	1.2708		
46	48	2.7732	1.3032		
47	49	2.8026	1.3326		
48	50	2.8222	1.3522		
40	JU	2.0222	1.0022		

Pumping Test - Water Level Data	Page 2 of 7
Project: Hydrogeological Investigation	

				Client:	Hot Pond Enterprises Corporation
	Time	Water Level	Drawdown		
40	[s] 51	[m] 2.8369	[m] 1.3669		
49 50	52	2.8421	1.3721		
51	53	2.8481	1.3781		
52	53 54	2.8557	1.3857		
53	55	2.8615	1.3915		
54	56	2.8612	1.3912		
55	57	2.8421	1.3721		
56	58	2.8445	1.3745		
57	59	2.8626	1.3926		
58	60	2.8637	1.3937		
59	61	2.8669	1.3969		
60	62	2.8551	1.3851		
61	63	2.8552	1.3852		
62	64	2.8628	1.3928		
63	65	2.8654	1.3954		
64	66	2.8541	1.3841		
65	67	2.884	1.414		
66	68	2.9003	1.4303		
67	69	2.9222	1.4522		
68	70	2.9271	1.4571		
69	71	2.9246	1.4546		
70	72	2.9156	1.4456		
71	73	2.9294	1.4594		
72	74	2.9102	1.4402		
73	75	2.9237	1.4537		
74	76	2.9271	1.4571		
75	77	2.9107	1.4407		
76	78	2.9191	1.4491		
77	79	2.9206	1.4506		
78	80	2.9242	1.4542		
79	81	2.9152	1.4452		
80	82	2.9837	1.5137		
81	83	3.0442	1.5742		
82	84	3.0895	1.6195		
83	85	3.1146	1.6446		
84	86	3.1663	1.6963		
85	87	3.1995	1.7295		
86	88	3.2063	1.7363		
87	89	3.2386	1.7686		
88	90	3.2579	1.7879		
89	91	3.2084	1.7384 1.7062		
90	92	3.1762			
91 92	93 94	3.133 3.1129	1.663 1.6429		
92	95	3.0989	1.6289		
93	96	3.079	1.609		
95	97	3.0694	1.5994		
96	98	3.0664	1.5964		
97	99	3.067	1.597		
98	100	3.0399	1.5699		
99	101	3.0525	1.5825		
100	102	3.0334	1.5634		
101	103	3.0367	1.5667		
	100	3.0001	1.0001		

Pumping Test - Water Level Data	Page 3 of 7
Project: Hydrogeological Investigation	

Number: 12397-001

				Client:	Hot Pond Enterprises Corporation
	Time	Water Level	Drawdown		
	[s]	[m]	[m]		
102	104	3.0404	1.5704		
103	105	3.0378	1.5678		
104	106	3.019	1.549		
105	107	3.0142	1.5442		
106	108	3.0116	1.5416		
107	109	3.0118	1.5418		
108	110	3.0159	1.5459		
109	111	3.0305	1.5605		
110	112	3.0207	1.5507		
111	113	3.0204	1.5504		
112	114	3.0577	1.5877		
113	115	3.0525	1.5825		
114	116	3.0757	1.6057		
115	117	3.0689	1.5989		
116	118	3.0572	1.5872		
117	119	3.0435	1.5735		
118	120	3.0416	1.5716		
119	121	3.0384	1.5684		
120	122	3.0457	1.5757		
121	123	3.0407	1.5707		
122	124	3.0314	1.5614		
123	125	3.0276	1.5576		
124	126	3.0425	1.5725		
125	127	3.0248	1.5548		
126	128	3.0229	1.5529		
127	129	3.0246	1.5546		
128	130	3.0354	1.5654		
129	131	3.0346	1.5646		
130	132	3.0183	1.5483		
131 132	133 134	3.0182 3.0381	1.5482 1.5681		
133	135	3.0331	1.5631		
134 135	136 137	3.0195 3.0281	1.5495 1.5581		
136	138				
137	139	3.0323 3.0298	1.5623 1.5598		
137	140	3.0255	1.5555		
139	141	3.0302	1.5602		
140	142	3.0279	1.5579		
141	143	3.0314	1.5614		
141	144	3.0236	1.5536		
143	145	3.0164	1.5464		
144	146	3.0323	1.5623		
145	147	3.0325	1.5625		
146	148	3.0237	1.5537		
147	149	3.0202	1.5502		
148	150	3.0181	1.5481		
149	151	3.0245	1.5545		
150	152	3.0256	1.5556		
151	153	3.0237	1.5537		
152	154	3.0308	1.5608		
153	155	3.0307	1.5607		
154	156	3.0263	1.5563		
107	100	0.0200	1.0000		

Pumping	Test - Water Level Data	Page 4 of 7
Project:	Hydrogeological Investigation	

Number: 12397-001

Time Water Level [m] m m m m m m m					Client:	Hot Pond Enterprises Corporation
155 157 3.0288 1.5988 156 158 3.0312 1.5612 157 159 3.0163 1.5463 158 160 3.0237 1.5537 159 161 3.0233 1.5523 160 162 3.0158 1.5458 161 163 3.0286 1.5586 162 164 3.0129 1.5429 163 165 3.0339 1.5639 164 166 3.0139 1.5439 165 167 3.0286 1.5568 166 168 3.0156 1.5456 167 169 3.0161 1.5461 168 170 3.0207 1.5597 169 171 3.0297 1.5597 170 172 3.0248 1.5648 171 173 3.0379 1.5679 172 174 3.043 1.551 174 176 3.036 <t< th=""><th></th><th></th><th>Water Level</th><th>Drawdown</th><th></th><th></th></t<>			Water Level	Drawdown		
156 158 3.0312 1.5463 157 159 3.0163 1.5463 158 160 3.0237 1.5537 159 161 3.0323 1.5523 160 162 3.0158 1.5458 161 163 3.0286 1.5596 162 164 3.0129 1.5429 163 165 3.0339 1.5639 164 166 3.0139 1.5439 165 167 3.0288 1.5566 166 168 3.0156 1.5456 167 169 3.0161 1.5461 168 170 3.0207 1.5507 170 172 3.0248 1.5548 171 173 3.0239 1.5679 170 172 3.0248 1.5548 171 173 3.023 1.5679 173 175 3.021 1.551 174 176 173 3		[s]		[m]		
157 159 3.0163 1.5463 158 160 3.0237 1.5537 159 161 3.0323 1.5623 160 162 3.0158 1.5458 161 163 3.0286 1.5586 162 164 3.0129 1.5429 163 165 3.0339 1.5639 164 166 3.0139 1.5439 165 167 3.0268 1.5568 166 167 3.0268 1.5568 167 169 3.0161 1.5461 167 169 3.0161 1.5461 168 171 3.0297 1.5597 170 172 3.0248 1.5548 171 173 3.0279 1.5579 172 174 3.043 1.573 172 174 3.043 1.573 173 175 3.021 1.551 174 176 3.024 1.						
158 160 3.0237 1.5527 159 161 3.0323 1.5623 160 162 3.0158 1.5458 161 163 3.0286 1.5586 162 164 3.0129 1.5429 163 165 3.0339 1.5639 164 166 3.0139 1.5439 165 167 3.0268 1.5568 166 167 3.0268 1.5568 166 168 3.0156 1.5466 167 169 3.0161 1.5461 168 170 3.0207 1.5507 169 171 3.0297 1.5597 170 172 3.0248 1.5548 171 173 3.0399 1.5679 172 174 3.043 1.573 173 176 3.021 1.551 174 176 3.034 1.573 177 3.0254 1.5564						
159						
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163 165 3.0339 1.5639 164 166 3.0139 1.5439 165 167 3.0268 1.5568 166 168 3.0156 1.5456 167 169 3.0161 1.5461 168 170 3.0207 1.5507 169 171 3.0297 1.5597 170 172 3.0248 1.5548 171 173 3.0279 1.5679 172 174 3.043 1.573 172 174 3.043 1.573 173 175 3.021 1.551 174 176 3.036 1.566 175 177 3.0254 1.5554 176 178 3.0279 1.5579 177 179 3.0449 1.5749 179 181 3.0239 1.5539 179 181 3.022 1.552 180 182 3.0334 1.563						
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171 173 3.0379 1.5679 172 174 3.043 1.573 173 175 3.021 1.551 174 176 3.036 1.566 175 177 3.0254 1.5554 176 178 3.0279 1.5579 177 179 3.0449 1.5749 178 180 3.0239 1.5539 179 181 3.022 1.552 180 182 3.0334 1.5634 181 183 3.065 1.595 182 184 3.1153 1.6453 183 185 3.1844 1.7144 184 186 3.2103 1.7403 185 187 3.2439 1.7739 186 188 3.2849 1.7739 186 188 3.2439 1.7739 186 188 3.2436 1.8466 188 190 3.3445 1.874	$\overline{}$					
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1 004 000 0.4540 4.0040						
201 203 3.1546 1.6846 202 204 204 2.4574						
202 204 3.1531 1.6831						
203 205 3.1619 1.6919						
204 206 3.1616 1.6916						
205 207 3.1595 1.6895						
206 208 3.1465 1.6765						
207 209 3.15 1.68	207	209	3.15	1.68		

Pumping Test - Water Level Data	Page 5 of 7
Project: Hydrogeological Investigation	

Number: 12397-001

				Client:	Hot Pond Enterprises Corporation
	Time [s]	Water Level [m]	Drawdown [m]		
208	210	3.1375	1.6675	;	
209	211	3.1446	1.6746		
210	212	3.1348	1.6648	3	
211	213	3.1412	1.6712	2	
212	214	3.1355	1.6655	5	
213	215	3.13	1.66		
214	216	3.1229	1.6529		
215	217	3.1104	1.6404		
216	218	3.1055	1.6355		
217	219	3.1152	1.6452	!	
218	220	3.117	1.647		
219	221	3.1109	1.6409		
220	222	3.1121	1.6421		
221	223	3.1161	1.6461		
222	224	3.1169	1.6469		
223	225	3.1244	1.6544		
224	226	3.151	1.681		
225	227 228	3.1643	1.6943		
226 227	229	3.1616 3.1492	1.6916 1.6792		
228	230	3.1492	1.6792		
229	231	3.1398	1.6698		
230	232	3.118	1.648	<u>'</u>	
231	233	3.1241	1.6541		
232	234	3.1304	1.6604		
233	235	3.1264	1.6564		
234	236	3.106	1.636		
235	237	3.111	1.641		
236	238	3.0983	1.6283	3	
237	239	3.101	1.631		
238	240	3.0955	1.6255	5	
239	241	3.0957	1.6257	•	
240	242	3.0946	1.6246	3	
241	243	3.1076	1.6376	5	
242	244	3.1268	1.6568	3	
243	245	3.159	1.689		
244	246	3.1516	1.6816		
245	247	3.1651	1.6951		
246	248	3.184	1.714		
247	249	3.1693	1.6993		
248	250	3.1626	1.6926		
249	251	3.1601	1.6901		
250	252	3.1554	1.6854		
251	253	3.1463	1.6763		
252	254	3.1438	1.6738		
253	255	3.1274	1.6574		
254 255	256 257	3.1229 3.1235	1.6529 1.6535		
256	258	3.1235	1.6442		
257	259	3.1291	1.6591		
258	260	3.1259	1.6559		
259	261	3.1109	1.6409		
260	262	3.121	1.651		
<u> </u>		3			

Pumping	Test - Water Level Data	Page 6 of 7
Project:	Hydrogeological Investigation	

Number: 12397-001

			С	lient:	Hot Pond Enterprises Corporation
	Time	Water Level	Drawdown		
	[s]	[m]	[m]		
261	263	3.119	1.649		
262	264	3.119	1.649		
263 264	265	3.1134	1.6434		
	266	3.1115	1.6415		
265	267	3.1041	1.6341		
266 267	268 269	3.0918 3.0891	1.6218 1.6191		
268	270	3.088	1.618	_	
269	271	3.0905	1.6205	 	
270	272	3.1093	1.6393		
271	273	3.1003	1.6303		
272	274	3.0898	1.6198	$\overline{}$	
273	275	3.0881	1.6181		
274	276	3.1038	1.6338		
275	277	3.0912	1.6212		
276	278	3.0882	1.6182		
277	279	3.0908	1.6208		
278	280	3.106	1.636		
279	281	3.089	1.619		
280	282	3.0874	1.6174		
281	283	3.1063	1.6363		
282	284	3.0904	1.6204		
283	285	3.0965	1.6265		
284	286	3.0867	1.6167		
285	287	3.0921	1.6221		
286	288	3.0969	1.6269		
287	289	3.0969	1.6269		
288	290	3.0939	1.6239		
289	291	3.0987	1.6287		
290	292	3.0809	1.6109		
291	293	3.0786	1.6086		
292	294	3.0852	1.6152		
293	295	3.0814	1.6114		
294	296	3.0804	1.6104		
295	297	3.0816	1.6116		
296	298	3.0904	1.6204		
297 298	299 300	3.0846	1.6146		
		3.0967	1.6267		
299 300	301 302	3.0736 3.0806	1.6036 1.6106	_	
301	303	3.0818	1.6118		
302	304	3.0962	1.6262		
303	305	3.0931	1.6231		
304	306	3.0816	1.6116	_	
305	307	3.0956	1.6256	$\overline{}$	
306	308	3.0897	1.6197	$\overline{}$	
307	309	3.0941	1.6241	\neg	
308	310	3.09	1.62		
309	311	3.0828	1.6128		
310	312	3.0786	1.6086		
311	313	3.0949	1.6249		
312	314	3.1459	1.6759		
313	315	3.2179	1.7479		
	•				

Pumping Test - Water Level Data	Page 7 of 7
Project: Hydrogeological Investigation	
Number: 12397-001	

	Time [s]	Water Level [m]	Drawdown [m]
314	316	3.2659	1.7959
315	317	3.3078	1.8378
316	318	3.3267	1.8567
317	319	3.372	1.902
318	320	3.3976	1.9276
319	321	3.3995	1.9295
320	322	3.4289	1.9589
321	323	3.39	1.92
322	324	3.3417	1.8717
323	325	3.323	1.853
324	326	3.2956	1.8256

Pumping Test Analysis Report		FIGURE 2.3
Project:	Hydrogeological Investigation	

Number: 12397-001

Client: Hot Pond Enterprises Corporation

Location: 46 Maple Avenue, Halliburton, O Pumping Test: TW 101

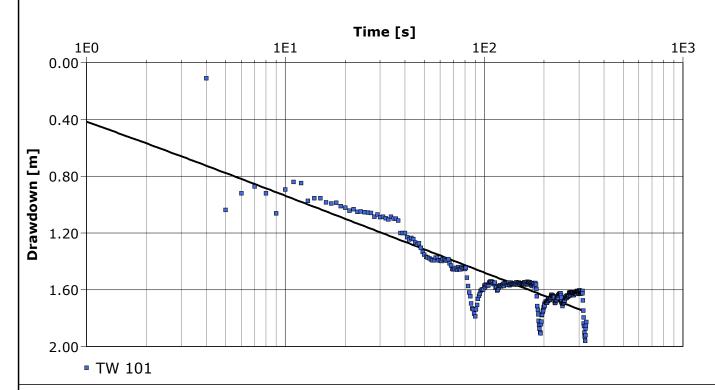
Test Conducted by: Josh/Michelle

Analysis Performed by: Sudhakar Kurli

Test Date: 5/26/2021

Analysis Date: 6/27/2021

Aquifer Thickness: 26.00 m Discharge Rate: 1.6 [l/s]



Calculation using Theis					
Observation Well	Transmissivity	Hydraulic Conductivity	Storage coefficient	Radial Distance to PW	
	[m²/s]	[m/s]		[m]	
TW 101	5.40 × 10 ⁻⁴	2.08 × 10 ⁻⁵	2.30 × 10 ⁻²	0.1	

Cambium Inc.	
135 Bayfield St #102, Barrie	e, ON L4M 3B3

Pumping Test - Water Level Data	Page 1 of 7
Project: Hydrogeological Investigation	
Number: 12397-001	

Client: Hot Pond Enterprises Corporation

Location: 46 Maple Avenue, Halliburton, O Pumping Test: TW102

Pumping Well: TW102

Test Conducted by: Josh/Michelle Test Date: 5/27/2021 Discharge Rate: 1.53 [l/s]

Observation Well: TW102 Static Water Level [m]: 1.65 Radial Distance to PW [m]: -

Observ	ation Well: TW102	Static	Water Level [m]: 1.65	Radial Dist
	Time [s]	Water Level [m]	Drawdown [m]	,
1	0	1.7487	0.0987	
2	1	2.0479	0.3979	
3	2	2.1863	0.5363	
4	3	2.2577	0.6077	
5	4	2.2991	0.6491	
6	5	2.3348	0.6848	
7	6	2.3642	0.7142	
8	7	2.382	0.732	
9	8	2.408	0.758	
10	9	2.4586	0.8086	
11	10	2.5218	0.8718	
12	11	2.587	0.937	
13	12	2.6323	0.9823	
14	13	2.6728	1.0228	
15	14	2.7098	1.0598	
16	15	2.7498	1.0998	
17	16	2.7903	1.1403	
18	17	2.8178	1.1678	
19	18	2.8177	1.1677	
20	19	2.7921	1.1421	
21	20	2.7792	1.1292	
22	21	2.768	1.118	
23	22	2.7472	1.0972	
24	23	2.7451	1.0951	
25	24	2.7359	1.0859	
26	25	2.7286	1.0786	
27	26	2.7251	1.0751	
28	27	2.7285	1.0785	
29	28	2.7205	1.0705	
30	29	2.727	1.077	
31	30	2.7243	1.0743	
32	31	2.7197	1.0697	
33	32	2.7238	1.0738	
34	33	2.7203	1.0703	
35	34	2.7262	1.0762	
36	35	2.7274	1.0774	
37	36	2.7278	1.0778	
38	37	2.7272	1.0772	
39	38	2.7254	1.0754	
40	39	2.728	1.078	
41	40	2.7317	1.0817	
42	41	2.7304	1.0804	
43	42	2.7295	1.0795	
44	43	2.7287	1.0787	
45	44	2.729	1.079	
46	45	2.7278	1.0778	
47	46	2.7341	1.0841	
48	47	2.7378	1.0878	

Pumping Test - Water Level Data	Page 2 of 7
Project: Hydrogeological Investigation	

				Client:	Hot Pond Enterprises Corporation
	Time	Water Level	Drawdown		
- 40	[s]	[m]	[m]		
49	48 49	2.7444	1.0944		
50		2.7405	1.0905		
51 52	50 51	2.7409 2.7466	1.0909 1.0966		
53	52	2.7464	1.0966		
54	53	2.7427	1.0964		
55	53 54	2.7575	1.1075		
56	55	2.7609	1.11073		
57	56	2.7679	1.1179		
58	57	2.7602	1.1102		
59	58	2.7573	1.1073		
60	59	2.7575	1.1075		
61	60	2.7599	1.1099		
62	61	2.8694	1.2194		
63	62	2.9299	1.2799		
64	63	2.9568	1.3068		
65	64	2.9638	1.3138		
66	65	2.9087	1.2587		
67	66	2.8455	1.1955		
68	67	2.8237	1.1737		
69	68	2.8104	1.1604		
70	69	2.7996	1.1496		
71	70	2.8046	1.1546		
72	71	2.7941	1.1441		
73	72	2.7931	1.1431		
74	73	2.7915	1.1415		
75	74	2.7986	1.1486		
76	75	2.7966	1.1466		
77	76	2.7965	1.1465		
78	77	2.7946	1.1446		
79	78	2.7931	1.1431		
80	79	2.8013	1.1513		
81	80	2.8022	1.1522		
82	81	2.8061	1.1561		
83 84	82 83	2.7978	1.1478		
85	84	2.7958	1.1458 1.1445		
86	85	2.7945 2.8025	1.1445		
87	86	2.8038	1.1525		
88	87	2.8102	1.1602		
89	88	2.8122	1.1622		
90	89	2.8117	1.1617		
91	90	2.8095	1.1595		
92	91	2.8114	1.1614		
93	92	2.8135	1.1635		
94	93	2.8129	1.1629		
95	94	2.82	1.17		
96	95	2.814	1.164		
97	96	2.8229	1.1729		
98	97	2.8248	1.1748		
99	98	2.8233	1.1733		
100	99	2.8165	1.1665		
101	100	2.8268	1.1768		
			-		

Pumping T	est - Water Level Data	Page 3 of 7
Project: H	Hydrogeological Investigation	

Time				Clien	t: Hot Pond Enterprises Corporation
102					
103	100				
104					
106					
106					
107					
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111 110 3.287 1.637 112 111 3.2801 1.6301 113 112 3.289 1.609 114 113 3.1849 1.5349 115 114 13 3.046 1.4046 116 115 3.0116 1.3816 117 116 2.9526 1.3026 118 117 2.7789 1.1289 119 118 2.718 1.068 120 119 2.8825 1.2325 121 120 2.9099 1.2559 121 120 2.9090 1.2559 121 120 2.9183 1.2863 123 122 2.915 1.265 124 123 2.9243 1.2743 125 124 2.9204 1.2704 126 125 2.918 1.286 127 126 2.9007 1.2707 128 127 2.9134 <td></td> <td></td> <td></td> <td></td> <td></td>					
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153 152 2.8858 1.2358	-				
154 153 2.8904 1.2404	154	153	2.8904	1.2404	

Pumping Test - Water Level Data		Page 4 of 7
Project:	Hydrogeological Investigation	

			Cli	ient:	Hot Pond Enterprises Corporation
	Time [s]	Water Level [m]	Drawdown [m]		
155	154	2.888	1.238		
156	155	2.88	1.23		
157	156	2.89	1.24		
158	157	2.8901	1.2401		
159	158	2.8921	1.2421		
160	159	2.9006	1.2506		
161	160	2.9003	1.2503		
162	161	2.9075	1.2575		
163	162	2.905	1.255		
164	163	2.9813	1.3313		
165	164	3.0549	1.4049		
166	165	3.0949	1.4449		
167	166	3.112	1.462		
168	167	3.1068	1.4568		
169	168	3.0158	1.3658		
170	169	2.9804	1.3304		
171	170	2.9639	1.3139		
172	171	2.957	1.307		
173	172	2.9444	1.2944		
174	173	2.9428	1.2928		
175	174	2.9472	1.2972		
176	175	2.9486	1.2986		
177	176	2.9433	1.2933	_	
178	177	2.9401	1.2901		
179	178	2.9359	1.2859		
180	179	2.941	1.291		
181	180	2.9353	1.2853	_	
182	181	2.9289	1.2789	_	
183	182	2.9238	1.2738		
184	183	2.9256	1.2756		
185	184	2.9258	1.2758	_	
186	185	2.9228	1.2728	_	
187 188	186 187	2.9301	1.2801	_	
		2.9203	1.2703	_	
189 190	188 189	2.9256 2.9266	1.2756 1.2766	_	
191	190	2.9200	1.2721	-	
192	191	2.9221	1.2656	\dashv	
193	192	2.9201	1.2701		
194	193	2.9168	1.2668	_	
195	194	2.9217	1.2717	_	
196	195	2.9211	1.2711		
197	196	2.9954	1.3454	\dashv	
198	197	3.0622	1.4122	_	
199	198	3.0992	1.4492		
200	199	3.1302	1.4802		
201	200	3.1394	1.4894		
202	201	3.1378	1.4878		
203	202	3.042	1.392		
204	203	2.995	1.345		
205	204	2.9819	1.3319		
206	205	2.9637	1.3137		
207	206	2.9611	1.3111		

Pumping Test - Water Level Data	Page 5 of 7	
Project: Hydrogeological Investigation		

Number: 12397-001

			Clie	ent: Hot Pond Enterprises Corporation
	Time	Water Level	Drawdown	
	[s]	[m]	[m]	
208	207	2.9543	1.3043	
209	208	2.9487	1.2987	
210	209	2.9519	1.3019	
211	210	2.9434	1.2934	
212	211	2.9477	1.2977	
213	212	2.9462	1.2962	
214	213	2.9454	1.2954	
215	214	2.9428	1.2928	4
216	215	2.9487	1.2987	_
217	216	2.9537	1.3037	
218	217	2.9539	1.3039	
219	218	2.957	1.307	
220	219	2.9539	1.3039	
221	220	2.9532	1.3032	
222	221	2.9528	1.3028	
223	222	2.9589	1.3089	_
224	223	2.9639	1.3139	
225	224	2.9638	1.3138	_
226	225	2.9656	1.3156	_
227	226	2.962	1.312	
228	227	2.968	1.318	_
229	228	2.96	1.31	_
230	229	2.967	1.317	_
231	230	2.9684	1.3184	_
232	231	2.9637	1.3137	4
233	232	2.9702	1.3202	_
234	233	2.9643	1.3143	-
235	234	2.9636	1.3136	4
236	235	2.9738	1.3238	-
237 238	236 237	2.9724 2.9692	1.3224 1.3192	-
239	238	2.9692	1.3192	-
240	239		1.3236	-
240	239	2.9736 2.9735	1.3235	-
241		2.9735	1.3249	-
242	241 242	2.9749	1.3236	-
243	242	2.9751	1.3251	-
245	244	2.9819	1.3319	-
246	245	2.9726	1.3226	-
247	246	2.9720	1.3316	1
247	247	2.979	1.329	1
249	247	2.9775	1.3275	1
250	249	2.9808	1.3308	1
250	250	2.9835	1.3335	1
252	251	3.0039	1.3539	1
253	252	3.102	1.452	-
254	253	3.1494	1.4994	1
255	254	3.1828	1.5328	1
256	255	3.1963	1.5463	1
257	256	3.1735	1.5235	1
258	257	3.0791	1.4291	1
259	258	3.0451	1.3951	1
260	259	3.0298	1.3798	1
200	200	3.0290	1.3130	

Pumping Test - Water Level Data	Page 6 of 7	
Project: Hydrogeological Investigation		

Number: 12397-001

Time Water Level m m m m m m m m m				C	Client:	Hot Pond Enterprises Corporation
281 280 3.0304 1.3804 282 281 3.0187 1.3897 283 282 3.0187 1.3897 284 283 3.0059 1.3559 285 284 3.0015 1.3515 286 285 3.0011 1.3511 286 286 3.0027 1.3527 288 287 3.004 1.544 289 288 2.9972 1.3472 270 289 2.9968 1.3466 271 270 3.002 1.3522 272 271 2.9979 1.3479 273 272 3.002 1.352 274 273 3.0063 1.3563 275 274 3.0551 1.4081 276 275 3.1761 1.5261 277 276 3.1761 1.5261 279 278 3.38 1.73 280 279 3.4288 1.77						
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313 312 3.082 1.432						
	313	312	3.082	1.432		

Cambium Inc. 135 Bayfield St #102, Barrie, ON L4M 3B3

Pumping Test - Water Level Data	Page 7 of 7
Project: Hydrogeological Investigation	

Number: 12397-001

Client: Hot Pond Enterprises Corporation

			Cile
	Time [s]	Water Level [m]	Drawdown [m]
314	313	3.0796	1.4296
315	314	3.0769	1.4269
316	315	3.0799	1.4299
317	316	3.075	1.425
318	317	3.067	1.417
319	318	3.0693	1.4193
320	319	3.0664	1.4164
321	320	3.0615	1.4115
322	321	3.0563	1.4063
323	322	3.0621	1.4121
324	323	3.0593	1.4093
325	324	3.0513	1.4013
326	325	3.0574	1.4074
327	326	3.0528	1.4028
328	327	3.0435	1.3935
329	328	3.0445	1.3945
330	329	3.0465	1.3965
331	330	3.0415	1.3915
332	331	3.0346	1.3846
333	332	3.0332	1.3832
334	333	3.0325	1.3825
335	334	3.027	1.377
336	335	3.0191	1.3691
337	336	3.0238	1.3738
338	337	3.0205	1.3705
339	338	3.0144	1.3644
340	339	3.0106	1.3606
341	340	3.0142	1.3642
342	341	3.0115	1.3615
343	342	3.0207	1.3707
344	343	3.012	1.362
345	344	3.0185	1.3685
346	345	3.021	1.371
347	346	3.0116	1.3616
348	347	3.0157	1.3657
349	348	3.0107	1.3607
350	349	3.0088	1.3588
351	350	3.0142	1.3642
352	351	3.0097	1.3597
353	352	3.0162	1.3662
354	353	3.0158	1.3658
355	354	3.0155	1.3655
356	355	3.1146	1.4646
357	356	3.1711	1.5211
358	357	3.2044	1.5544
359	358	3.2229	1.5729
360	359	3.2295	1.5795

Cambium Inc. 135 Bayfield St #102, Barrie, ON L4M 3B3

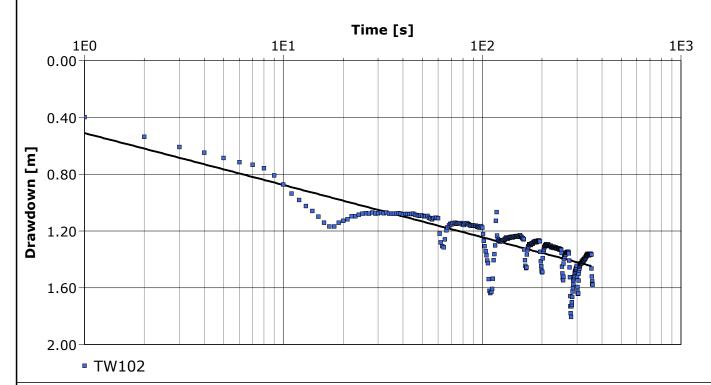
Pumping Test Analysis Report FIGURE							
Project: Hydrogeological Investigation							
Number: 12397-001							

Number: 12397-001

Client: Hot Pond Enterprises Corporation

Location: 46 Maple Avenue, Halliburton, O	Pumping Well: TW102	
Test Conducted by: Josh/Michelle	Test Date: 5/27/2021	
Analysis Performed by: Sudhakar Kurli	Theis	Analysis Date: 6/27/2021

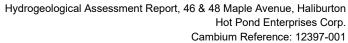
Aquifer Thickness: 21.00 m Discharge Rate: 1.53 [l/s]



Calculation	ueina	Theis
Calculation	usina	111615

Observation Well	Transmissivity	Hydraulic Conductivity	Storage coefficient	Radial Distance to PW	
	[m²/s]	[m/s]		[m]	
TW102	8 × 10 ⁻⁴	4 × 10 ⁻⁵	3.20 × 10 ⁻³	0.15	

	1.0 Far	volden Met	hod	2.0 Moel	l Method (Modi	fied) Alber	ta Environi	ment	
						TW101	TW102		
Q20	(0.	68*T*Ha*0	.7)		Q20	((0	Qt*H)*0.7/	(S100 +5 Δ	Sp))
					Qt	22	20.2	igpm	
					Н	23.53	19.35		
Safety factor	0.7	0.7			S100	Drawdowr	in 100 min	utes	
Ha (m)	23.53	19.35	Available	Drawdown	ΔSp	Drav	vdown per	log cycle o	ftim
					Sf	0.7	0.7		
	TW101	TW102			S100	1.57	1.25	m	
Т	47	25			ΔSp	0.7	0.45		
Н	23.53	19.35							
					Q20	71	78	igpm	
Q20	526	230	m3/day			325	356	L/min	
						468283	512196	L/day	
Т	85	69				468	512	m3/day	
Н	23.53	19.35							
	952	626	m3/day						1



February 10, 2022



Appendix E
Laboratory Certificate of Analysis

Cambium Inc. Page 30







CA14656-MAY21 R1

12397-001, 46 Maple Avenue

Prepared for

Cambium Inc.



First Page

CLIENT DETAIL	S	LABORATORY DETAIL	LS
Client	Cambium Inc.	Project Specialist	Jill Campbell, B.Sc.,GISAS
		Laboratory	SGS Canada Inc.
Address	194 Sophia Street	Address	185 Concession St., Lakefield ON, K0L 2H0
	Peterborough, ON		
	K9H 1E5. Canada		
Contact	Kevin Warner	Telephone	2165
Telephone	705-742-7900	Facsimile	705-652-6365
Facsimile		Email	jill.campbell@sgs.com
Email	kevin.warner@cambium-inc.com	SGS Reference	CA14656-MAY21
Project	12397-001, 46 Maple Avenue	Received	05/27/2021
Order Number		Approved	06/03/2021
Samples	Ground Water (1)	Report Number	CA14656-MAY21 R1
		Date Reported	06/03/2021

COMMENTS

MAC - Maximum Acceptable Concentration

AO/OG - Aesthetic Objective / Operational Guideline

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Total phospuorous includes all Ortho-phosphates as well as Organics and hydrolyzable Phosphorous.

Temperature of Sample upon Receipt: 7 degrees C

Cooling Agent Present:YES

Custody Seal Present:YES

Chain of Custody Number:021776

SIGNATORIES

Jill Campbell, B.Sc.,GISAS

Jill Cumpbell





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Annexes	18



CA14656-MAY21 R1

Client: Cambium Inc.

Project: 12397-001, 46 Maple Avenue

Project Manager: Kevin Warner

Samplers: Josh Munro

PACKAGE: - General Chemistry (WATER)

Sample Number

7

Sample Name Test Well #1

Sample Matrix Ground Water

			oumpio manus		
			Sample Date	26/05/2021	
Parameter	Units	RL		Result	
neral Chemistry					
UV Transmittance	%Т	-		92.6	
Alkalinity	mg/L as CaCO3	2		200	
Colour	TCU	3		5	
Conductivity	uS/cm	2		562	
Total Suspended Solids	mg/L	2		< 2	
Turbidity	NTU	0.10		0.41	
Organic Nitrogen	mg/L	0.05		0.11	
Total Kjeldahl Nitrogen (N)	as N mg/L	0.05		0.12	
Ammonia+Ammonium (N)	as N mg/L	0.04		< 0.04	
Dissolved Organic Carbon	mg/L	1		2	
Total Organic Carbon	mg/L	1		2	
Sulphide	mg/L	6		6.0	
Hydrogen Sulphide	ug/L	6		< 6	
Temperature @ pH	°C	-		21.7	
Tannin+Lignin	mg	0.05		0.09	
	phenol/L				





Client: Cambium Inc.

Project: 12397-001, 46 Maple Avenue

Project Manager: Kevin Warner

Samplers: Josh Munro

PACKAGE: - Metals and Inorganics (WATER)

Sample Number Sample Name

Test Well #1

			•	Ground Water			
			Sample Date	26/05/2021			
Parameter	Units	RL		Result			
etals and Inorganics							
Fluoride	mg/L	0.06		0.06			
Nitrite (as N)	as N mg/L	0.003		0.012			
Nitrate (as N)	as N mg/L	0.006		0.031			
Sulphate	mg/L	0.04		27			
Hardness (dissolved)	mg/L as	0.05		239			
	CaCO3						
Phosphorus (dissolved)	mg/L	0.003		< 0.003			
Arsenic (dissolved)	mg/L	0.0002		< 0.0002			
Boron (dissolved)	mg/L	0.002		0.148			
Barium (dissolved)	mg/L	0.00002		0.0979			
Beryllium (dissolved)	mg/L	0.00000		< 0.000007			
		7					
Cobalt (dissolved)	mg/L	0.00000		0.000457			
		4					
Calcium (dissolved)	mg/L	0.01		50.2			
Cadmium (dissolved)	mg/L	0.00000		0.000021			
		3					
Copper (dissolved)	mg/L	0.0002		0.0025			
Chromium (dissolved)	mg/L	0.00008		< 0.00008			
Iron (dissolved)	mg/L	0.007		0.019			
Potassium (dissolved)	mg/L	0.009		7.82			
Magnesium (dissolved)	mg/L	0.001		27.5			
Manganese (dissolved)	mg/L	0.00001		0.207			
Molybdenum (dissolved)	mg/L	0.00004		0.00256			



CA14656-MAY21 R1

Client: Cambium Inc.

Project: 12397-001, 46 Maple Avenue

Project Manager: Kevin Warner

Samplers: Josh Munro

PACKAGE: - Metals and Inorganics (WATER)

Sample Number

7

Sample Name Test Well #1

			Sample Name	l est Well #1	
			Sample Matrix	Ground Water	
			Sample Date	26/05/2021	
Parameter	Units	RL		Result	
tals and Inorganics (continued)					
Nickel (dissolved)	mg/L	0.0001		0.0016	
Sodium (dissolved)	mg/L	0.01		20.9	
Lead (dissolved)	mg/L	0.00009		< 0.00009	
Silver (dissolved)	mg/L	0.00005		< 0.00005	
Strontium (dissolved)	mg/L	0.00002		0.283	
Thallium (dissolved)	mg/L	0.00000		0.000014	
		5			
Tin (dissolved)	mg/L	0.00006		< 0.00006	
Titanium (dissolved)	mg/L	0.00005		0.00012	
Antimony (dissolved)	mg/L	0.0009		< 0.0009	
Selenium (dissolved)	mg/L	0.00004		0.00034	
Uranium (dissolved)	mg/L	0.00000		0.01262	
		2			
Vanadium (dissolved)	mg/L	0.00001		0.00029	
Zinc (dissolved)	mg/L	0.002		0.003	



CA14656-MAY21 R1

Client: Cambium Inc.

Project: 12397-001, 46 Maple Avenue

Project Manager: Kevin Warner

Samplers: Josh Munro

PACKAGE: - Microbiology (WATER)			Sample Number	7
			Sample Name	Test Well #1
			Sample Matrix	Ground Water
			Sample Date	26/05/2021
Parameter	Units	RL		Result
Microbiology				
Total Coliform	cfu/100mL	-		4
E. Coli	cfu/100mL	-		0
Heterotrophic Plate Count (HPC)	cfu/1mL	-		3
PACKAGE: - Other (ORP) (WATER)			Sample Number	7
			Sample Name	Test Well #1
			Sample Matrix	Ground Water
			Sample Date	26/05/2021
Parameter	Units	RL		Result
Other (ORP)				
рН	No unit	0.05		8.37
Chloride	mg/L	0.04		43
PACKAGE: - Phenols (WATER)			Sample Number	7
			Sample Name	Test Well #1
			Sample Matrix	Ground Water
			Sample Date	26/05/2021
Parameter	Units	RL		Result
Phenois				
4AAP-Phenolics	mg/L	0.002		< 0.002
L				



QC SUMMARY

Alkalinity

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

Parameter	QC batch	Units	RL	Method	Duplicate		LC	S/Spike Blank		M	latrix Spike / Re	f.
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery		ery Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Alkalinity	EWL0552-MAY21	mg/L as	2	< 2	0	20	100	80	120	NA		
		CaCO3										

Ammonia by SFA

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

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		М	atrix Spike / Re	f
	Reference		Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery		ry Limits %)	
						(%)	Recovery (%)	Low	High	(%)	Low	High
Ammonia+Ammonium (N)	SKA0273-MAY21	mg/L	0.04	<0.04	ND	10	109	90	110	104	75	125

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QC SUMMARY

Anions by IC

Method: EPA300/MA300-lons1.3 | Internal ref.: ME-CA-[ENV]IC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	S/Spike Blank		М	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike	Recove	ry Limits %)	Spike Recovery		ry Limits 6)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Nitrite (as N)	DIO0560-MAY21	mg/L	0.003	<0.003	ND	20	98	80	120	98	75	125
Nitrate (as N)	DIO0560-MAY21	mg/L	0.006	<0.006	ND	20	101	80	120	101	75	125
Chloride	DIO0566-MAY21	mg/L	0.04	<0.04	ND	20	94	80	120	100	75	125
Sulphate	DIO0566-MAY21	mg/L	0.04	<0.04	17	20	93	80	120	124	75	125

Carbon by SFA

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

Parameter	QC batch Units		RL	Method	Dup	licate	LC	S/Spike Blank		М	latrix Spike / Re	ī.
	Reference			Blank	RPD	AC	Spike Recovery	Recover	-	Spike Recovery		ry Limits %)
						(%)	(%)	Low	High	(%)	Low	High
Total Organic Carbon	SKA0002-JUN21	mg/L	1	<1	8	10	93	90	110	109	75	125
Dissolved Organic Carbon	SKA0297-MAY21	mg/L	1	<1	ND	10	97	90	110	96	75	125

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QC SUMMARY

Colour

Method: SM 2120 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-002

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		М	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Colour	EWL0038-JUN21	TCU	3	< 3	0	10	105	80	120	NA		

Conductivity

Method: SM 2510 | Internal ref.: ME-CA-[ENVIEWL-LAK-AN-006

Parameter	QC batch	Units RL Method		Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref		
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Conductivity	EWL0552-MAY21	uS/cm	2	< 2	0	20	98	90	110	NA		

Fluoride by Specific Ion Electrode

Method: SM 4500 | Internal ref.: ME-CA-[ENVIEWL-LAK-AN-014

Parameter	QC batch	Units			Duj	olicate	LC	S/Spike Blank		M	latrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery	Recove	ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Fluoride	EWL0542-MAY21	mg/L	0.06	<0.06	ND	10	106	90	110	103	75	125

20210603



QC SUMMARY

Metals in aqueous samples - ICP-MS

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

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		Ma	atrix Spike / Ref	i.
	Reference			Blank	RPD	AC (%)	Spike Recovery	Recove	ry Limits %)	Spike Recovery		ry Limits %)
						()	(%)	Low	High	(%)	Low	High
Silver (dissolved)	EMS0149-MAY21	mg/L	0.00005	<0.00005	ND	20	100	90	110	94	70	130
Arsenic (dissolved)	EMS0149-MAY21	mg/L	0.0002	<0.0002	ND	20	103	90	110	100	70	130
Barium (dissolved)	EMS0149-MAY21	mg/L	0.00002	<0.00002	1	20	99	90	110	101	70	130
Beryllium (dissolved)	EMS0149-MAY21	mg/L	0.000007	<0.00007	ND	20	94	90	110	88	70	130
Boron (dissolved)	EMS0149-MAY21	mg/L	0.002	<0.002	2	20	104	90	110	97	70	130
Calcium (dissolved)	EMS0149-MAY21	mg/L	0.01	<0.01	2	20	96	90	110	99	70	130
Cadmium (dissolved)	EMS0149-MAY21	mg/L	0.000003	<0.000003	ND	20	101	90	110	97	70	130
Cobalt (dissolved)	EMS0149-MAY21	mg/L	0.000004	<0.000004	3	20	105	90	110	101	70	130
Chromium (dissolved)	EMS0149-MAY21	mg/L	0.00008	<0.00008	3	20	98	90	110	101	70	130
Copper (dissolved)	EMS0149-MAY21	mg/L	0.0002	<0.0002	12	20	102	90	110	87	70	130
Iron (dissolved)	EMS0149-MAY21	mg/L	0.007	<0.007	ND	20	94	90	110	100	70	130
Potassium (dissolved)	EMS0149-MAY21	mg/L	0.009	<0.009	1	20	96	90	110	108	70	130
Magnesium (dissolved)	EMS0149-MAY21	mg/L	0.001	<0.001	3	20	94	90	110	98	70	130
Manganese (dissolved)	EMS0149-MAY21	mg/L	0.00001	<0.00001	2	20	105	90	110	110	70	130
Molybdenum (dissolved)	EMS0149-MAY21	mg/L	0.00004	<0.00004	0	20	106	90	110	112	70	130
Sodium (dissolved)	EMS0149-MAY21	mg/L	0.01	<0.01	4	20	95	90	110	98	70	130
Nickel (dissolved)	EMS0149-MAY21	mg/L	0.0001	<0.0001	ND	20	100	90	110	109	70	130
Lead (dissolved)	EMS0149-MAY21	mg/L	0.00009	<0.00001	17	20	108	90	110	108	70	130
Phosphorus (dissolved)	EMS0149-MAY21	mg/L	0.003	<0.003	9	20	94	90	110	NV	70	130
Antimony (dissolved)	EMS0149-MAY21	mg/L	0.0009	<0.0009	ND	20	98	90	110	113	70	130

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QC SUMMARY

Metals in aqueous samples - ICP-MS (continued)

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

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		Ma	atrix Spike / Ref	t.
	Reference			Blank	RPD	AC	Spike	Recove	ry Limits %)	Spike Recovery		ory Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Selenium (dissolved)	EMS0149-MAY21	mg/L	0.00004	<0.00004	ND	20	106	90	110	124	70	130
Tin (dissolved)	EMS0149-MAY21	mg/L	0.00006	<0.00006	ND	20	102	90	110	NV	70	130
Strontium (dissolved)	EMS0149-MAY21	mg/L	0.00002	<0.00002	3	20	102	90	110	100	70	130
Titanium (dissolved)	EMS0149-MAY21	mg/L	0.00005	<0.00005	ND	20	100	90	110	NV	70	130
Thallium (dissolved)	EMS0149-MAY21	mg/L	0.000005	<0.000005	ND	20	104	90	110	108	70	130
Uranium (dissolved)	EMS0149-MAY21	mg/L	0.000002	<0.000002	3	20	103	90	110	101	70	130
Vanadium (dissolved)	EMS0149-MAY21	mg/L	0.00001	<0.00001	7	20	102	90	110	100	70	130
Zinc (dissolved)	EMS0149-MAY21	mg/L	0.002	<0.002	6	20	101	90	110	106	70	130

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QC SUMMARY

Microbiology

Method: OMOE MICROMFDC-E3407A | Internal ref.: ME-CA-[ENVIMIC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Duplicate		LC	S/Spike Blank		Ma	atrix Spike / Ref.	
	Reference			Blank	RPD	AC	Spike	Recove	ry Limits %)	Spike Recovery	Recover	ry Limits 6)
					(%)	Recovery (%)	Low	High	(%)	Low	High	
E. Coli	BAC9469-MAY21	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
Heterotrophic Plate Count (HPC)	BAC9469-MAY21	cfu/1mL	-	ACCEPTED	ACCEPTE							
					D							
Total Coliform	BAC9469-MAY21	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							

pН

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

Parameter	QC batch	Units	RL	Method	Duplicate L		S/Spike Blank		M	atrix Spike / Re	of.	
	Reference		Blank RPD AC Spike (%) Recovery	_		ry Limits %)	Spike Recovery		ery Limits			
						(%)	Recovery (%)	Low	High	(%)	Low	High
рН	EWL0552-MAY21	No unit	0.05	NA	0		100			NA		

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QC SUMMARY

Phenols by SFA

Method: SM 5530B-D | Internal ref.: ME-CA-[ENV]SFA-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	_CS/Spike Blank		Matrix Spike / Ref.		I.
	Reference			Blank	RPD	AC	Spike	Recovery Limits (%)		Spike Recovery	Recover	ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
4AAP-Phenolics	SKA0013-JUN21	mg/L	0.002	<0.002	ND	10	96	80	120	101	75	125

Sulphide by SFA

Method: SM 4500 | Internal ref.: ME-CA-IENVISFA-LAK-AN-008

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	CS/Spike Blank		k Matrix Spike / R		ī.
	Reference			Blank	RPD	AC	Spike	Recovery Limits (%)		Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Sulphide	SKA0286-MAY21	mg/L	6	<0.006	ND	20	91	80	120	NA	75	125

Suspended Solids

Method: SM 2540D | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-004

Parameter	QC batch	Units	RL	Method	Duj	plicate	LCS/Spike Blank			Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike	Recovery Limits (%)		Spike Recovery	Recove	ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Suspended Solids	EWL0535-MAY21	mg/L	2	< 2	5	10	97	90 110		NA		

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QC SUMMARY

Tannins & Lignins

Method: SM 5550 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-015

Parameter	QC batch	Units	RL	Method	Duj	Duplicate L				Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike	Recovery Limits (%)		Spike Recovery	Recover	•
						(%)	Recovery (%)	Low	High	(%)	Low	High
Tannin+Lignin	EWL0019-JUN21	mg/L	0.05	<0.05	2	15	100	85	115	110	75	125

Total Nitrogen

Method: SM 4500-N C/4500-NO3- F | Internal ref.: ME-CA-IENVISFA-LAK-AN-002

Parameter	QC batch	Units	RL	Method	Dup	plicate	LC	CS/Spike Blank		ank Matrix Spike / F		
	Reference			Blank RPD AC		Spike	Recovery Limits (%)		Spike Recovery	Recove	ry Limits %)	
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Kjeldahl Nitrogen (N)	SKA0277-MAY21	mg/L	0.05	<0.05	0	10	92	90	110	98	75	125

Turbidity

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

Parameter	QC batch	Units	RL	Method	Duj	olicate	LC	LCS/Spike Blank			Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike	Recovery Limits (%)		Spike Recovery	Recover	ry Limits %)	
						(%)	Recovery (%)	Low	High	(%)	Low	High	
Turbidity	EWL0523-MAY21	NTU	0.10	< 0.10	1	10	100	90 110		NA			

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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.

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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

Samples analysed as received. 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" 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. This document is issued, on the Client's behalf, by the Company under its General Conditions of Service available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any other holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

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-- End of Analytical Report --

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SGS

Request for Laboratory Services and CHAIN OF CUSTODY

No: 021778

Page_

Environment, Health & Safety - 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

Relinquished by (NAME): 10 Received By: Chris Phone: 705-442-7900 Received Time: 1 = : 5 (hr : min) Received Date: 05/26/21 Sampled By (NAME): 9 œ 7 6 5 4 Email: Keunn . Wurer @ Count.un - Mc. Email: Contact: Kein Wirner Company: Refer to Apply that Churchian Soil Volume Address: 194 Spophia St Peter boough Table 3 O.Reg 153/04 est Table 2 Table 1 Table SAMPLE IDENTIFICATION RECORD OF SITE CONDITION (RSC) REPORT INFORMATION Cambiun <350m3 Ind/Com
Agri/Other Res/Park 5W3 >350m3 O.Reg 406/19 Soil Texture: Medium/Fine e (Lea Coarse (mm/dd/yy) REGULATIONS Other Regulations: May 26/2 Phone: Contact Company: Address (same as Report Information) SAMPLED YES CCME Reg 347/558 (3 Day min TAT) ODWS Not Reportable *See note DATE 200 3-0089 NO INVOICE INFORMATION 15:20 Other: Custody Seal Present: Yes SAMPLED Custody Seal Intact: Received By (signature): TIME P Signature: Mesec Signature: BOTTLES # **P** 3 Sewer By-Law: parameters. Do Not Yes Storm Sanitary STATE OF MATRIX 30 É No Laboratory Information Section - Lab use only Survey PLEASE CONFIRM RUSH FEASIBILITY WITH SGS REPRESENTATIVE PRIOR TO SUBMISSION RUSH TAT (Additional Charges May Apply): Specify Due Date Quotation #: Project #: Field Filtered (Y/N) Metals & Inorganics incl CrVI, CN,Hg pH,(B(HWS),EC,SAR-soil) Regular TAT (5-7days) ≤ Qο Full Metals Suite ICP metals plus B(HWS-soil only) Hg, CrVI Cooling Agent Present: Yes No
Temperature Upon Receipt (°C) 12397-001 do methore 2013-0089 ICP Metals only Sb,As,Ba,Be,B,Cd,Cr,Co,Cu,Pb,Mo,N SVOC PAHs only SVOCS all incl PAHs, ABNs, CPs PCB PCBs Total Aroclor **ANALYSIS REQUESTED** F1-F4 + BTEX PHC F1-F4 only *NOTE: DRINKING (POTABLE) WATER SAMPLES FOR HUMAN CONSUMPTION MUST BE SUBMITTED no BTEX TURNAROUND TIME (TAT) REQUIRED VOCs all incl BTEX ☐1 Day Voc Date: BTEX only 2 Days 3 Days 4 Days 05 Pest Pesticides Organochlorine or specify other Same as Quote 2013-0069 minus methane WITH SGS DRINKING WATER CHAIN OF CUSTODY Samples received after 6pm or on weekends: TAT begins next business day TAT's are quoted in business days (exclude statutory holidays & weekends) Site Location/ID: P.O. #: 2 Other (please specify) ri Appendix 2: 406/19 Leachate 46 Screening Levels Table (mm/dd/yy) (mm/dd/yy) Sewer Use: LAB LIMS #: V Maple Water Characterization Pkg Extended □lgnit. □voc ABN □B(a)P □РСВ □M&I Acres tests Specify TCLP TCLP Pink Copy - Client Yellow & White Copy - SG COMMENTS

ite of Issue: 22 May. 2020

ubmission of samples to SGS is acknowledgement that you have been provided direction on sample collection/handling and transportation of samples. (2) Submission of samples to SGS is considered authorization for completion of work. Signatures may appear on this form or be retained the contract, or in an alternative format (e.g. shipping documents). (3) Results may be sent by email to an unlimited number of addresses for no additional cost. Fax is available upon request. This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. (Printed copies are available upon request.) Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.







CA14658-MAY21 R1

12397-001, 46 Maple Avenue, Haliburton Well #2

Prepared for

Cambium Inc.



First Page

CLIENT DETAILS	S	LABORATORY DETAI	LS
Client	Cambium Inc.	Project Specialist	Jill Campbell, B.Sc.,GISAS
		Laboratory	SGS Canada Inc.
Address	194 Sophia Street, Peterborough	Address	185 Concession St., Lakefield ON, K0L 2H0
	Canada, K9H 1E5		
	Phone: 705-742-7900. Fax:		
Contact	Kevin Warner	Telephone	2165
Telephone	705-742-7900	Facsimile	705-652-6365
Facsimile		Email	jill.campbell@sgs.com
Email	kevin.warner@cambium-inc.com	SGS Reference	CA14658-MAY21
Project	12397-001, 46 Maple Avenue, Haliburton Well #2	Received	05/27/2021
Order Number		Approved	06/03/2021
Samples	Ground Water (1)	Report Number	CA14658-MAY21 R1
		Date Reported	06/03/2021

COMMENTS

MAC - Maximum Acceptable Concentration

AO/OG - Aesthetic Objective / Operational Guideline

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Total phospuorous includes all Ortho-phosphates as well as Organics and hydrolyzable Phosphorous.

Temperature of Sample upon Receipt: 3 degrees C

Cooling Agent Present:Yes Custody Seal Present:Yes

Chain of Custody Number:011506

SIGNATORIES

Jill Campbell, B.Sc.,GISAS

Jill Cumpbell

www.sgs.com



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Hydrogen Sulphide

Temperature @ pH

Tannin+Lignin

ug/L

°C

mg

phenol/L

6

0.05

FINAL REPORT

CA14658-MAY21 R1

Client: Cambium Inc.

Project: 12397-001, 46 Maple Avenue, Haliburton Well #2

Project Manager: Kevin Warner

Samplers: Michelle Rea

PACKAGE: - General Chemistry (WATER)

Sample Number
Sample Name

7 Test Well #2

(A308588)

< 6

0.06

Sample Matrix Ground Water

Sample Date 27/05/2021 Units RL Parameter Result **General Chemistry** 91.2 UV Transmittance %Т 2 198 Alkalinity mg/L as CaCO3 TCU 3 6 Colour 543 Conductivity uS/cm 2 2 Total Suspended Solids 2 mg/L NTU 0.10 0.75 Turbidity 0.08 Organic Nitrogen mg/L 0.05 0.12 Total Kjeldahl Nitrogen (N) as N mg/L 0.05 0.04 Ammonia+Ammonium (N) as N mg/L 0.04 2 Dissolved Organic Carbon mg/L 1 2 Total Organic Carbon 1 mg/L < 6 Sulphide μg/L 6



CA14658-MAY21 R1

Client: Cambium Inc.

Project: 12397-001, 46 Maple Avenue, Haliburton Well #2

Project Manager: Kevin Warner

Samplers: Michelle Rea

PACKAGE: - Metals and Inorganics (WATER)

Sample Number
Sample Name

7

Test Well #2

(A308588)

				(A308588)	
			Sample Matrix	Ground Water	
			Sample Date	27/05/2021	
Parameter	Units	RL		Result	
tals and Inorganics					
Fluoride	mg/L	0.06		0.07	
Nitrite (as N)	as N mg/L	0.003		0.010	
Nitrate (as N)	as N mg/L	0.006		0.086	
Sulphate	mg/L	0.04		25	
Hardness (dissolved)	mg/L as CaCO3	0.05		221	
Phosphorus (dissolved)	mg/L	0.003		< 0.003	
Arsenic (dissolved)	mg/L	0.0002		< 0.0002	
Boron (dissolved)	mg/L	0.002		0.163	
Barium (dissolved)	mg/L	0.00002		0.0928	
Beryllium (dissolved)	mg/L	0.00000 7		< 0.000007	
Cobalt (dissolved)	mg/L	0.00000		0.00103	
Calcium (dissolved)	mg/L	0.01		47.7	
Cadmium (dissolved)	mg/L	0.00000		0.000011	
Copper (dissolved)	mg/L	0.0002		0.0039	
Chromium (dissolved)	mg/L	0.00008		< 0.00008	
Iron (dissolved)	mg/L	0.007		0.100	
Potassium (dissolved)	mg/L	0.009		7.55	
Magnesium (dissolved)	mg/L	0.001		24.8	
Manganese (dissolved)	mg/L	0.00001		0.221	



CA14658-MAY21 R1

Client: Cambium Inc.

Project: 12397-001, 46 Maple Avenue, Haliburton Well #2

Project Manager: Kevin Warner

Samplers: Michelle Rea

PACKAGE: - Metals and Inorganics (WATER)

Sample Number
Sample Name

7

Test Well #2

			•	
				(A308588)
			Sample Matrix	Ground Water
			Sample Date	27/05/2021
Parameter	Units	RL		Result
Metals and Inorganics (continued)				
Molybdenum (dissolved)	mg/L	0.00004		0.00241
Nickel (dissolved)	mg/L	0.0001		0.0020
Sodium (dissolved)	mg/L	0.01		20.9
Lead (dissolved)	mg/L	0.00009		< 0.00009
Silver (dissolved)	mg/L	0.00005		< 0.00005
Strontium (dissolved)	mg/L	0.00002		0.279
Thallium (dissolved)	mg/L	0.00000		< 0.000005
		5		
Tin (dissolved)	mg/L	0.00006		< 0.00006
Titanium (dissolved)	mg/L	0.00005		0.00008
Antimony (dissolved)	mg/L	0.0009		< 0.0009
Selenium (dissolved)	mg/L	0.00004		0.00019
Uranium (dissolved)	mg/L	0.00000		0.0120
		2		
Vanadium (dissolved)	mg/L	0.00001		0.00016
Zinc (dissolved)	mg/L	0.002		< 0.002



CA14658-MAY21 R1

Client: Cambium Inc.

Project: 12397-001, 46 Maple Avenue, Haliburton Well #2

Project Manager: Kevin Warner

Samplers: Michelle Rea

PACKAGE: - Microbiology (WATER)			Sample Number	7
ACTORICE WINDONOLOGY (WATER)			Sample Name	Test Well #2
			Campio Namo	(A308588)
			Sample Matrix	Ground Water
			Sample Date	27/05/2021
Parameter	Units	RL		Result
	Office	IXE.		rtesuit
Microbiology				
Total Coliform	cfu/100mL	-		2
E. Coli	cfu/100mL	-		0
Heterotrophic Plate Count (HPC)	cfu/1mL	-		85
PACKAGE: - Other (ORP) (WATER)			Sample Number	7
			Sample Name	Test Well #2
				(A308588)
			Sample Matrix	Ground Water
			Sample Date	27/05/2021
Parameter	Units	RL		Result
Other (ORP)				
рН	No unit	0.05		7.94
Chloride	mg/L	0.04		45
PACKAGE: - Phenols (WATER)			Sample Number	7
			Sample Name	Test Well #2
				(A308588)
			Sample Matrix	Ground Water
			Sample Date	27/05/2021
Parameter	Units	RL		Result
Phenols				
4AAP-Phenolics	mg/L	0.002		< 0.002
17 0 11 1 1101101100	mg/L	0.002		0.002



QC SUMMARY

Alkalinity

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

Parameter	QC batch	Units	RL	Method	Duj	olicate	LC	S/Spike Blank		Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike	Recovery Limits (%)		Spike Recovery	Recovery Limits	
						(%)	Recovery (%)	Low	High	(%)	Low	High
Alkalinity	EWL0552-MAY21	mg/L as	2	< 2	0	20	100	80	120	NA		
		CaCO3										

Ammonia by SFA

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

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	LCS/Spike Blank		Matrix Spike		pike / Ref.	
	Reference			Blank	RPD	AC	Spike	Recovery Limits (%)		Spike Recovery	Recovery Limits		
						(%)	Recovery (%)	Low	High	(%)	Low	High	
Ammonia+Ammonium (N)	SKA0295-MAY21	mg/L	0.04	<0.04	0	10	99	90	110	90	75	125	

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QC SUMMARY

Anions by IC

Method: EPA300/MA300-lons1.3 | Internal ref.: ME-CA-[ENV]IC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Duplicate		plicate LCS/Spike Blank			Matrix Spike / Ref.			
	Reference			Blank	RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery		ry Limits %)	
								Low	High	(%)	Low	High	
Nitrite (as N)	DIO0560-MAY21	mg/L	0.003	<0.003	ND	20	98	80	120	98	75	125	
Nitrate (as N)	DIO0560-MAY21	mg/L	0.006	<0.006	ND	20	101	80	120	101	75	125	
Chloride	DIO0566-MAY21	mg/L	0.04	<0.04	ND	20	94	80	120	100	75	125	
Sulphate	DIO0566-MAY21	mg/L	0.04	<0.04	17	20	93	80	120	124	75	125	

Carbon by SFA

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

Parameter	QC batch				Matrix Spike / Ref.							
	Reference	Reference		Blank	RPD	AC (%)		Recovery Limits (%)		Spike Recovery	Recovery Limits (%)	
								Low	High	(%)	Low	High
Dissolved Organic Carbon	SKA0297-MAY21	mg/L	1	<1	ND	10	97	90	110	96	75	125
Total Organic Carbon	SKA0297-MAY21	mg/L	1	<1	ND	10	97	90	110	96	75	125

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QC SUMMARY

Colour

Method: SM 2120 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-002

Parameter	QC batch	Units	RL	RL Method Duplicate LCS/Spike Blank			M	Matrix Spike / Ref.				
	Reference		Blank RPD			Recovery Limits (%)		Spike Recovery	Recover	-		
						(%)	Recovery (%)	Low	High	(%)	Low	High
Colour	EWL0038-JUN21	TCU	3	< 3	0	10	105	80	120	NA		

Conductivity

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

Parameter	QC batch	Units	RL	L Method Duplicate LCS/Spike Blank			М	atrix Spike / Ref				
	Reference			Blank	RPD		Spike	Recovery Limits (%)		Spike Recovery	Recover	-
				(%)	Recovery (%)	Low	High	(%)	Low	High		
Conductivity	EWL0552-MAY21	uS/cm	2	< 2	0	20	98	90	110	NA		

Fluoride by Specific Ion Electrode

Method: SM 4500 | Internal ref.: ME-CA-[ENVIEWL-LAK-AN-014

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	LCS/Spike Blank		Matrix Spike / Ref.		f.
	Reference			Blank	RPD		Spike	Recovery Limits (%)		Spike Recovery	Recover	ry Limits %)
				(%)	Recovery (%)	Low	High	(%)	Low	High		
Fluoride	EWL0542-MAY21	mg/L	0.06	<0.06	ND	10	106	90	110	103	75	125

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QC SUMMARY

Metals in aqueous samples - ICP-MS

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

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		Ma	Matrix Spike / Ref.		
	Reference			Blank	RPD	AC (%)	Spike Recovery	Recover	•	Spike Recovery		ery Limits	
						, ,	(%)	Low	High	(%)	Low	High	
Silver (dissolved)	EMS0149-MAY21	mg/L	0.00005	<0.00005	ND	20	100	90	110	94	70	130	
Arsenic (dissolved)	EMS0149-MAY21	mg/L	0.0002	<0.0002	ND	20	103	90	110	100	70	130	
Barium (dissolved)	EMS0149-MAY21	mg/L	0.00002	<0.00002	1	20	99	90	110	101	70	130	
Beryllium (dissolved)	EMS0149-MAY21	mg/L	0.000007	<0.00007	ND	20	94	90	110	88	70	130	
Boron (dissolved)	EMS0149-MAY21	mg/L	0.002	<0.002	2	20	104	90	110	97	70	130	
Calcium (dissolved)	EMS0149-MAY21	mg/L	0.01	<0.01	2	20	96	90	110	99	70	130	
Cadmium (dissolved)	EMS0149-MAY21	mg/L	0.000003	<0.000003	ND	20	101	90	110	97	70	130	
Cobalt (dissolved)	EMS0149-MAY21	mg/L	0.000004	<0.000004	3	20	105	90	110	101	70	130	
Chromium (dissolved)	EMS0149-MAY21	mg/L	0.00008	<0.00008	3	20	98	90	110	101	70	130	
Copper (dissolved)	EMS0149-MAY21	mg/L	0.0002	<0.0002	12	20	102	90	110	87	70	130	
Iron (dissolved)	EMS0149-MAY21	mg/L	0.007	<0.007	ND	20	94	90	110	100	70	130	
Potassium (dissolved)	EMS0149-MAY21	mg/L	0.009	<0.009	1	20	96	90	110	108	70	130	
Magnesium (dissolved)	EMS0149-MAY21	mg/L	0.001	<0.001	3	20	94	90	110	98	70	130	
Manganese (dissolved)	EMS0149-MAY21	mg/L	0.00001	<0.00001	2	20	105	90	110	110	70	130	
Molybdenum (dissolved)	EMS0149-MAY21	mg/L	0.00004	<0.00004	0	20	106	90	110	112	70	130	
Sodium (dissolved)	EMS0149-MAY21	mg/L	0.01	<0.01	4	20	95	90	110	98	70	130	
Nickel (dissolved)	EMS0149-MAY21	mg/L	0.0001	<0.0001	ND	20	100	90	110	109	70	130	
Lead (dissolved)	EMS0149-MAY21	mg/L	0.00009	<0.00001	17	20	108	90	110	108	70	130	
Phosphorus (dissolved)	EMS0149-MAY21	mg/L	0.003	<0.003	9	20	94	90	110	NV	70	130	
Antimony (dissolved)	EMS0149-MAY21	mg/L	0.0009	<0.0009	ND	20	98	90	110	113	70	130	

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QC SUMMARY

Metals in aqueous samples - ICP-MS (continued)

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

Parameter	QC batch	Units			Dup	licate	LC	S/Spike Blank		Matrix Spike / Ref.			
	Reference			Blank	RPD		PD AC Spike (%) Recovery		Recovery Limits (%)		Spike Recovery	Recovery Limits	
						(%)	(%)	Low	High	(%)	Low	High	
Selenium (dissolved)	EMS0149-MAY21	mg/L	0.00004	<0.00004	ND	20	106	90	110	124	70	130	
Tin (dissolved)	EMS0149-MAY21	mg/L	0.00006	<0.00006	ND	20	102	90	110	NV	70	130	
Strontium (dissolved)	EMS0149-MAY21	mg/L	0.00002	<0.00002	3	20	102	90	110	100	70	130	
Titanium (dissolved)	EMS0149-MAY21	mg/L	0.00005	<0.00005	ND	20	100	90	110	NV	70	130	
Thallium (dissolved)	EMS0149-MAY21	mg/L	0.000005	<0.000005	ND	20	104	90	110	108	70	130	
Uranium (dissolved)	EMS0149-MAY21	mg/L	0.000002	<0.000002	3	20	103	90	110	101	70	130	
Vanadium (dissolved)	EMS0149-MAY21	mg/L	0.00001	<0.00001	7	20	102	90	110	100	70	130	
Zinc (dissolved)	EMS0149-MAY21	mg/L	0.002	<0.002	6	20	101	90	110	106	70	130	

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QC SUMMARY

Microbiology

Method: OMOE MICROMFDC-E3407A | Internal ref.: ME-CA-IENVIMIC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Dup	icate	LC	S/Spike Blank		М	atrix Spike / Ref.	
	Reference			Blank	RPD	AC	Spike	Recove	ry Limits %)	Spike Recovery	Recover	ry Limits 6)
						(%)	Recovery (%)	Low	High	(%)	Low	High
E. Coli	BAC9482-MAY21	cfu/100mL	-	ACCEPTED	ACCEPTE							
Heterotrophic Plate Count (HPC)	BAC9482-MAY21	cfu/1mL	-	ACCEPTED	D ACCEPTE							
Total Coliform	BAC9482-MAY21	cfu/100mL	-	ACCEPTED	D ACCEPTE							
					D							

рΗ

Method: SM 4500 | Internal ref.: ME-CA-IENVIEWL-LAK-AN-006

	,											
Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	S/Spike Blank		М	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike	Recover	•	Spike Recovery	Recover	ry Limits
						(%)	Recovery (%)	Low	High	(%)	Low	High
рН	EWL0552-MAY21	No unit	0.05	NA	0		100			NA		

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QC SUMMARY

Phenols by SFA

Method: SM 5530B-D | Internal ref.: ME-CA-[ENV]SFA-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	I.
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery	Recover	ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
4AAP-Phenolics	SKA0018-JUN21	mg/L	0.002	<0.002	ND	10	103	80	120	107	75	125

Sulphide by SFA

Method: SM 4500 | Internal ref.: ME-CA-IENVISFA-LAK-AN-008

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	S/Spike Blank		м	atrix Spike / Re	f.
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery		ery Limits
						(%)	Recovery (%)	Low	High	(%)	Low	High
Sulphide	SKA0286-MAY21	ug/L	6	<0.006	ND	20	91	80	120	NA	75	125

Suspended Solids

Method: SM 2540D | Internal ref: MF-CA-IENVIEWI -I AK-AN-004

Parameter	QC batch	Units	RL	Method	Du	plicate	LC	S/Spike Blank		М	atrix Spike / Ref	-
	Reference			Blank	RPD	AC	Spike	Recove	•	Spike Recovery	Recover	•
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Suspended Solids	EWL0567-MAY21	mg/L	2	< 2	0	10	97	90	110	NA		

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QC SUMMARY

Tannins & Lignins

Method: SM 5550 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-015

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	•
						(%)	Recovery (%)	Low	High	(%)	Low	High
Tannin+Lignin	EWL0019-JUN21	mg/L	0.05	<0.05	2	15	100	85	115	110	75	125

Total Nitrogen

Method: SM 4500-N C/4500-NO3- F | Internal ref.: ME-CA-IENVISFA-LAK-AN-002

Parameter	QC batch	Units	RL	Method	Dup	plicate	LC	S/Spike Blank		м	atrix Spike / Ref	f.
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery		ery Limits
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Kjeldahl Nitrogen (N)	SKA0289-MAY21	mg/L	0.05	<0.05	5	10	103	90	110	88	75	125

Turbidity

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

Parameter	QC batch	Units	RL	Method	Duj	olicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery	Recover	ry Limits 6)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Turbidity	EWL0526-MAY21	NTU	0.10	< 0.10	1	10	100	90	110	NA		

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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.

20210603



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

Samples analysed as received. 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" 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. This document is issued, on the Client's behalf, by the Company under its General Conditions of Service available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any other holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This report must not be reproduced, except in full. This report supersedes all previous versions.

-- End of Analytical Report --

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Request for Laboratory Services and CHAIN OF CUSTODY

Environment, Health & Safety - Lakefield: 185 Concession St., Lakefield, ON KOL 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

N: 011506

Yellow & White Copy - SGS is form or be retained on file in	Date: 05 / 27 / 2 remindedyy) Date: 05 / 27 / 2 remindedyy) Date: 05 / 27 / 2 reminded authorization for completion of work. Signatures may appear on this form or be retained on file in its available upon request. This document is succeed by the Completion of Continuous concessition of Continuous Continuou	rization for completion of want is issued by the Compa	sidered author	Date: C	s to SGS	of sample	ubmission cost. Fax	iles. {2} Sudditional	n of samp	ansportation of addresse	ndling and tra	ction/hand	n on sample colle sent by email to a	n provided direction on sample Results may be sent by emai	t you have been documents). {3	acknowledgement that format (e.g. shipping	Note: Submission of samples to SGS is acknowledgement that you have been provided direction on sample collection/handling and transportation of samples. (2) Submission the contract, or in an alternative format (e.g. shipping documents). (3) Results may be sent by enrall to an unlimited number of addresses for no additional cost. Fax	Revision #: 1.2 Date of Issue: 09 Sept, 2019
Pink Copy - Client	(mm/dd/yy) F	111	à	Date: 05									Nea	Signature: Myca			Michelle Kea	Sampled By (NAME):
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	Sewer Use: Specify pkg: Water Charac General	Same param 2013 - 0 methane	Pesticides Organochlorine or spec	BTEX only	VOCs all incl BTEX	F1-F4 only	PCBs Total	SVOCs all incl PAHs, ABNs, CPs	PAHs only	ICP Metals plus B(HWS- ICP Metals on Sb,As,Ba,Be,B,Cd,Cr,Co, Se,Ag,TI,U,V,Zn	Metals & Inor incl CrVI, CN,Hg pH,(B(H (CI, Na-water) Full Metals S	Field Filtered	MATRIX	# OF BOTTLES	TIME	DATE SAMPLED	SAMPLE IDENTIFICATION	SAMPLI
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	ease specify) TCLP	Other (please specify)	Pest	VOC	×	PHC	PCB	SVOC	VS	1	≥ 00		Sewer By-Law:		18:	Other Regulations:		Regulation 153/04:
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		TURNAROUND TIME (TAT) REQUIRED	DTIME	ROUNI	TURNA											Contact:	ontal st	Address: 194 8
Hablauton Well#	46 Maple Ave	P.O. #:Site Location/ID:						F	7-001	1397	t#: 12	Quotation #: Project #:		tion)	port Informa	(same as Report Information)	Warren	Contact: Keuth Man
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CA14662-MAY21 R1

12397-001, 26 Mape Ave, Haliburton, Well # 3

Prepared for

Cambium Inc.



First Page

CLIENT DETAIL:	S	LABORATORY DETAIL	LS
Client	Cambium Inc.	Project Specialist	Brad Moore Hon. B.Sc
		Laboratory	SGS Canada Inc.
Address	194 Sophia Street, Peterborough	Address	185 Concession St., Lakefield ON, K0L 2H0
	Canada, K9H 1E5		
	Phone: 705-742-7900. Fax:		
Contact	Kevin Warner	Telephone	705-652-2143
Telephone	705-742-7900	Facsimile	705-652-6365
Facsimile		Email	brad.moore@sgs.com
Email	kevin.warner@cambium-inc.com	SGS Reference	CA14662-MAY21
Project	12397-001, 26 Mape Ave, Haliburton, Well # 3	Received	05/28/2021
Order Number		Approved	06/07/2021
Samples	Ground Water (1)	Report Number	CA14662-MAY21 R1
		Date Reported	06/07/2021

COMMENTS

MAC - Maximum Acceptable Concentration

AO/OG - Aesthetic Objective / Operational Guideline

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Total phospuorous includes all Ortho-phosphates as well as Organics and hydrolyzable Phosphorous.

Temperature of Sample upon Receipt: degrees C

Cooling Agent Present: yes Custody Seal Present: no

Chain of Custody Number: 011505

Turb recv'd past holding time

TSS dup%RPD appears high, within acceptance criteria

SIGNATORIES

Brad Moore Hon. B.Sc

SGS Canada Inc. 185 Concession St., Lakefield ON, K0L 2H0 t 705-652-2143 f 705-652-6365

> Member of the SGS Group (SGS SA) 1 / 17

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CA14662-MAY21 R1

Client: Cambium Inc.

Project: 12397-001, 26 Mape Ave, Haliburton, Well #3

Project Manager: Kevin Warner

Samplers: Josh Munro

PACKAGE: - General Chemistry (WATER)

Sample Number

Sample Name Test Well #3

7

Sample Matrix Ground Water

			•	Orouna Water	
			Sample Date	28/05/2021	
Parameter	Units	RL		Result	
eneral Chemistry					
UV Transmittance	%Т	-		89.5	
Alkalinity	mg/L as	2		96	
	CaCO3				
Colour	TCU	3		4	
Conductivity	uS/cm	2		1200	
Total Suspended Solids	mg/L	2		32	
Turbidity	NTU	0.10		79.7	
Organic Nitrogen	mg/L	0.05		< 0.05	
Total Kjeldahl Nitrogen (N)	as N mg/L	0.05		< 0.05	
Ammonia+Ammonium (N)	as N mg/L	0.04		0.07	
Dissolved Organic Carbon	mg/L	1		2	
Total Organic Carbon	mg/L	1		1	
Sulphide	μg/L	6		< 6	
Hydrogen Sulphide	ug/L	6		< 6	
Temperature @ pH	°C	-		19.0	
Ion Ratio	none	-9999		1.01	
Total Dissolved Solids (calculated)	mg/L	-9999		976	
Conductivity (calculated)	uS/cm	-9999		1593	
Langeliers Index 4° C	@ 4° C	-9999		0.18	
Saturation pH 4°C	pHs @ 4°C	-9999		7.65	
Tannin+Lignin	mg	0.05		0.55	
	phenol/L				



CA14662-MAY21 R1

Client: Cambium Inc.

Project: 12397-001, 26 Mape Ave, Haliburton, Well #3

Project Manager: Kevin Warner

Samplers: Josh Munro

PACKAGE: - Metals and Inorganics (WATER)

Sample Number

7

Sample Name Test Well #3

			Sample Matrix	Ground Water	
			Sample Date	28/05/2021	
Parameter	Units	RL		Result	
Metals and Inorganics					
Fluoride	mg/L	0.06		0.77	
Nitrite (as N)	as N mg/L	0.003		0.003# <mdl< td=""><td></td></mdl<>	
Nitrate (as N)	as N mg/L	0.006		0.006# <mdl< td=""><td></td></mdl<>	
Sulphate	mg/L	0.04		450	
Hardness (dissolved)	mg/L as CaCO3	0.05		696	
Phosphorus (dissolved)	mg/L	0.003		< 0.003	
Arsenic (dissolved)	mg/L	0.0002		< 0.0002	
Boron (dissolved)	mg/L	0.002		0.692	
Barium (dissolved)	mg/L	0.00002		0.208	
Beryllium (dissolved)	mg/L	0.00000		< 0.000007	
		7			
Cobalt (dissolved)	mg/L	0.00000		0.000088	
		4			
Calcium (dissolved)	mg/L	0.01		236	
Cadmium (dissolved)	mg/L	0.00000		0.000006	
		3			
Copper (dissolved)	mg/L	0.0002		0.0006	
Chromium (dissolved)	mg/L	0.00008		< 0.00008	
Iron (dissolved)	mg/L	0.007		0.079	
Potassium (dissolved)	mg/L	0.009		6.86	
Magnesium (dissolved)	mg/L	0.001		25.8	
Manganese (dissolved)	mg/L	0.00001		0.606	
Molybdenum (dissolved)	mg/L	0.00004		0.00400	



CA14662-MAY21 R1

Client: Cambium Inc.

Project: 12397-001, 26 Mape Ave, Haliburton, Well #3

Project Manager: Kevin Warner

Samplers: Josh Munro

PACKAGE: - Metals and Inorganics (WATER)

Sample Number

7

Sample Name Test Well #3

			Sample Name	l est Well #3	
			Sample Matrix	Ground Water	
			Sample Date	28/05/2021	
Parameter	Units	RL		Result	
tals and Inorganics (continued)					
Nickel (dissolved)	mg/L	0.0001		0.0005	
Sodium (dissolved)	mg/L	0.01		39.1	
Lead (dissolved)	mg/L	0.00009		< 0.00009	
Silver (dissolved)	mg/L	0.00005		< 0.00005	
Strontium (dissolved)	mg/L	0.00002		8.05	
Thallium (dissolved)	mg/L	0.00000		0.000005	
		5			
Tin (dissolved)	mg/L	0.00006		< 0.00006	
Titanium (dissolved)	mg/L	0.00005		< 0.00005	
Antimony (dissolved)	mg/L	0.0009		< 0.0009	
Selenium (dissolved)	mg/L	0.00004		0.00005	
Uranium (dissolved)	mg/L	0.00000		0.00385	
		2			
Vanadium (dissolved)	mg/L	0.00001		0.00002	
Zinc (dissolved)	mg/L	0.002		0.003	
Cation sum	meq/L	-9999		16.01	
Anion Sum	meq/L	-9999		15.84	
Anion-Cation Balance	%	-9999		0.53	
	difference				



CA14662-MAY21 R1

Client: Cambium Inc.

Project: 12397-001, 26 Mape Ave, Haliburton, Well #3

Project Manager: Kevin Warner

Samplers: Josh Munro

PACKAGE: - Microbiology (WATER)			Sample Number	7
			Sample Name	Test Well #3
			Sample Matrix	Ground Water
			Sample Date	28/05/2021
Parameter	Units	RL		Result
Microbiology				
Total Coliform	cfu/100mL	-		0
E. Coli	cfu/100mL	-		0
Heterotrophic Plate Count (HPC)	cfu/1mL	-		19
PACKAGE: - Other (ORP) (WATER)			Sample Number	7
			Sample Name	Test Well #3
			Sample Matrix	Ground Water
			Sample Date	28/05/2021
Parameter	Units	RL		Result
Other (ORP)				
рН	No unit	0.05		7.83
Chloride	mg/L	0.04		160
PACKAGE: - Phenols (WATER)			Sample Number	7
			Sample Name	Test Well #3
			Sample Matrix	Ground Water
			Sample Date	28/05/2021
Parameter	Units	RL		Result
Phenois				
4AAP-Phenolics	mg/L	0.002		< 0.002



QC SUMMARY

Alkalinity

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

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	S/Spike Blank		M	latrix Spike / Re	ıf.
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery		ery Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Alkalinity	EWL0576-MAY21	mg/L as	2	< 2	0	20	104	80	120	NA		
		CaCO3										

Ammonia by SFA

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

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		М	atrix Spike / Re	f.)
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Ammonia+Ammonium (N)	SKA0009-JUN21	mg/L	0.04	<0.04	ND	10	96	90	110	88	75	125

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QC SUMMARY

Anions by IC

Method: EPA300/MA300-lons1.3 | Internal ref.: ME-CA-[ENV]IC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Dup	Duplicate		S/Spike Blank		Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike	Recover	•	Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Nitrite (as N)	DIO0028-JUN21	mg/L	0.003	<0.003	ND	20	100	80	120	101	75	125
Nitrate (as N)	DIO0028-JUN21	mg/L	0.006	<0.006	ND	20	101	80	120	102	75	125
Chloride	DIO0030-JUN21	mg/L	0.04	<0.04	8	20	92	80	120	101	75	125
Sulphate	DIO0030-JUN21	mg/L	0.04	<0.04	0	20	94	80	120	94	75	125

Carbon by SFA

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

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		М	atrix Spike / Re	f.
	Reference			Blank	RPD	AC	Spike Recovery	Recove	-	Spike Recovery		ry Limits %)
						(%)	(%)	Low	High	(%)	Low	High
Dissolved Organic Carbon	SKA0002-JUN21	mg/L	1	<1	8	10	93	90	110	109	75	125
Total Organic Carbon	SKA0002-JUN21	mg/L	1	<1	8	10	93	90	110	109	75	125

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QC SUMMARY

Colour

Method: SM 2120 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-002

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		М	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Colour	EWL0038-JUN21	TCU	3	< 3	0	10	105	80	120	NA		

Conductivity

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

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	S/Spike Blank	S/Spike Blank Recovery Limits		atrix Spike / Ref	ī.
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery	Recove	ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Conductivity	EWL0576-MAY21	uS/cm	2	< 2	0	20	94	90	110	NA		

Fluoride by Specific Ion Electrode

Method: SM 4500 | Internal ref.: ME-CA-[ENVIEWL-LAK-AN-014

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	S/Spike Blank		M	latrix Spike / Ref	:
	Reference			Blank	RPD	AC	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery	Recove	ry Limits 6)
						(%)		Low	High	(%)	Low	High
Fluoride	EWL0570-MAY21	mg/L	0.06	<0.06	9	10	102	90	110	107	75	125

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QC SUMMARY

Metals in aqueous samples - ICP-MS

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

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		Ma	atrix Spike / Re	f.
	Reference			Blank	RPD	AC (%)	Spike Recovery	Recove	-	Spike Recovery		ery Limits %)
						. ,	(%)	Low	High	(%)	Low	High
Silver (dissolved)	EMS0007-JUN21	mg/L	0.00005	<0.00005	ND	20	103	90	110	95	70	130
Arsenic (dissolved)	EMS0007-JUN21	mg/L	0.0002	<0.0002	ND	20	100	90	110	97	70	130
Barium (dissolved)	EMS0007-JUN21	mg/L	0.00002	<0.00002	ND	20	105	90	110	108	70	130
Beryllium (dissolved)	EMS0007-JUN21	mg/L	0.000007	<0.00007	ND	20	94	90	110	96	70	130
Boron (dissolved)	EMS0007-JUN21	mg/L	0.002	<0.002	ND	20	109	90	110	102	70	130
Calcium (dissolved)	EMS0007-JUN21	mg/L	0.01	<0.009	ND	20	99	90	110	97	70	130
Cadmium (dissolved)	EMS0007-JUN21	mg/L	0.000003	<0.000003	ND	20	100	90	110	108	70	130
Cobalt (dissolved)	EMS0007-JUN21	mg/L	0.000004	<0.000004	ND	20	101	90	110	99	70	130
Chromium (dissolved)	EMS0007-JUN21	mg/L	0.00008	<0.00008	ND	20	104	90	110	96	70	130
Copper (dissolved)	EMS0007-JUN21	mg/L	0.0002	<0.0002	ND	20	99	90	110	100	70	130
Iron (dissolved)	EMS0007-JUN21	mg/L	0.007	<0.007	ND	20	96	90	110	100	70	130
Potassium (dissolved)	EMS0007-JUN21	mg/L	0.009	<0.009	ND	20	98	90	110	96	70	130
Magnesium (dissolved)	EMS0007-JUN21	mg/L	0.001	<0.001	ND	20	103	90	110	95	70	130
Manganese (dissolved)	EMS0007-JUN21	mg/L	0.00001	<0.00001	ND	20	102	90	110	96	70	130
Molybdenum (dissolved)	EMS0007-JUN21	mg/L	0.00004	<0.00004	ND	20	103	90	110	109	70	130
Sodium (dissolved)	EMS0007-JUN21	mg/L	0.01	<0.01	ND	20	102	90	110	100	70	130
Nickel (dissolved)	EMS0007-JUN21	mg/L	0.0001	<0.0001	ND	20	101	90	110	100	70	130
Lead (dissolved)	EMS0007-JUN21	mg/L	0.00009	<0.00001	ND	20	105	90	110	115	70	130
Phosphorus (dissolved)	EMS0007-JUN21	mg/L	0.003	<0.003	ND	20	98	90	110	NV	70	130
Antimony (dissolved)	EMS0007-JUN21	mg/L	0.0009	<0.0009	ND	20	100	90	110	112	70	130

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QC SUMMARY

Metals in aqueous samples - ICP-MS (continued)

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

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		Ма	atrix Spike / Ref	
	Reference			Blank	RPD	AC (%)	Spike Recovery	Recove	ry Limits %)	Spike Recovery		ry Limits %)
						(70)	(%)	Low	High	(%)	Low	High
Selenium (dissolved)	EMS0007-JUN21	mg/L	0.00004	<0.00004	ND	20	101	90	110	98	70	130
Tin (dissolved)	EMS0007-JUN21	mg/L	0.00006	<0.00006	ND	20	107	90	110	NV	70	130
Strontium (dissolved)	EMS0007-JUN21	mg/L	0.00002	<0.00002	ND	20	101	90	110	99	70	130
Titanium (dissolved)	EMS0007-JUN21	mg/L	0.00005	<0.00005	ND	20	109	90	110	NV	70	130
Thallium (dissolved)	EMS0007-JUN21	mg/L	0.000005	<0.000005	ND	20	99	90	110	100	70	130
Uranium (dissolved)	EMS0007-JUN21	mg/L	0.000002	<0.000002	ND	20	93	90	110	94	70	130
Vanadium (dissolved)	EMS0007-JUN21	mg/L	0.00001	<0.00001	ND	20	102	90	110	102	70	130
Zinc (dissolved)	EMS0007-JUN21	mg/L	0.002	<0.002	ND	20	101	90	110	102	70	130

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QC SUMMARY

Microbiology

Method: OMOE MICROMFDC-E3407A | Internal ref.: ME-CA-IENVIMIC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Duplicate		LC	S/Spike Blank		Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike	Recovery Limits (%)		Spike Recovery	Recovery Limits (%)	
						(%)	Recovery (%)	Low	High	(%)	Low	High
E. Coli	BAC9500-MAY21	cfu/100mL	-	ACCEPTED	ACCEPTE D							
Heterotrophic Plate Count (HPC)	BAC9500-MAY21	cfu/1mL	-	ACCEPTED	ACCEPTE D							
Total Coliform	BAC9500-MAY21	cfu/100mL	-	ACCEPTED	ACCEPTE D							

pН

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

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		М	atrix Spike / Re	ī
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recove	ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
pH	EWL0576-MAY21	No unit	0.05	NA	0		100			NA		

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QC SUMMARY

Phenols by SFA

Method: SM 5530B-D | Internal ref.: ME-CA-[ENV]SFA-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duplicate LCS/Spike Blank		LCS/Spike Blank		M	atrix Spike / Ref	I.	
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery	Recover	ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
4AAP-Phenolics	SKA0018-JUN21	mg/L	0.002	<0.002	ND	10	103	80	120	107	75	125

Sulphide by SFA

Method: SM 4500 | Internal ref.: ME-CA-IENVISFA-LAK-AN-008

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	S/Spike Blank		м	atrix Spike / Ref	ī.
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Sulphide	SKA0051-JUN21	ug/L	6	<0.006	ND	20	114	80	120	NA	75	125

Suspended Solids

Method: SM 2540D | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-004

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	latrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	ry Limits 6)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Suspended Solids	EWL0045-JUN21	mg/L	2	< 2	16	10	92	90	110	NA		

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QC SUMMARY

Tannins & Lignins

Method: SM 5550 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-015

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Tannin+Lignin	EWL0019-JUN21	mg/L	0.05	<0.05	2	15	100	85	115	110	75	125

Total Nitrogen

Method: SM 4500-N C/4500-NO3- F | Internal ref.: ME-CA-IENVISFA-LAK-AN-002

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	S/Spike Blank		М	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ry Limits 6)	Spike Recovery	Recove	ry Limits 6)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Kjeldahl Nitrogen (N)	SKA0003-JUN21	mg/L	0.05	<0.05	ND	10	91	90	110	77	75	125

Turbidity

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

Parameter	QC batch	Units	RL	Method	•		Duplicate LCS/Spike Blank		М	atrix Spike / Ref		
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	·
						(%)	Recovery (%)	Low	High	(%)	Low	High
Turbidity	EWL0546-MAY21	NTU	0.10	< 0.10	2	10	100	90	110	NA		

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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.

20210607





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

Samples analysed as received. 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" 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. This document is issued, on the Client's behalf, by the Company under its General Conditions of Service available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any other holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This report must not be reproduced, except in full. This report supersedes all previous versions.

-- End of Analytical Report --

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5

Request for Laboratory Services and CHAIN OF CUSTODY

ALLEN DE LA CONTRACTOR

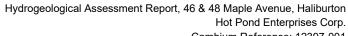
AND STREET, ST

Environment, Health & Safety - Lakefield: 185 Concession St., Lakefield, ON KOL 2H0 Phone: 705-652-2000 Fax: 705-652-6365 Web: www.sgs.com/environment

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Site Location/ID: 46 Maple Are, Helibuthen well as Yellow & White Copy - SGS Note: Submission of samples to SGS is acknowledgement that you have been provided direction on sample collection/handling and transportation of samples. (2) Submission of samples to SGS is considered authorization for completion of work. Signatures may appear on this form or be retained on file in the contract, or in an alternative format (e.g. shipping documents). (3) Results may be sent by email to an unlimited number of addresses for no additional cost. Fax is available upon request. This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. (Printed copies are available upon request.) Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. COMMENTS: Jest the NOTE: DRINKING (POTABLE) WATER SAMPLES FOR HUMAN CONSUMPTION MUST BE SUBMITTED LAB LIMS #: CV4 1466 Samples received after 6pm or on weekends: TAT begins next business day TAT's are quoted in business days (exclude statutory holidays & weekends) Pink Copy - Client TCLP Dvoc OB(a)P WITH SGS DRINKING WATER CHAIN OF CUSTODY OPCB ABN Dignit. - M&I TCLP Water Characterization Pkg (mm/dd/yy) (mm/dd/yy) Specify pkg: Sewer Use: Other (please specify) ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days PLEASE CONFIRM RUSH FEASIBILITY WITH SGS REPRESENTATIVE PRIOR TO SUBMISSION methors TURNAROUND TIME (TAT) REQUIRED <u>u</u> Date: 05 / 23 / 2 P.O. #: Date: 05 / 28 ANALYSIS REQUESTED Minus 3013-008d Pest Pesticides BTEX only VOC F831 VOCS F1-F4 only PHC 2013 Cooling Agent Present: Yes No F1-F4 + BTEX Laboratory Information Section - Lab use only RUSH TAT (Additional Charges May Apply): PCB Temperature Upon Receipt (°C) Aroclor ☐ lstoT **b**CB² 3 SVOCs all inol PAHs, ABMs, CPs SVOC Regular TAT (5-7days) Vino sHA9 Project #: 12397 -001 ICP Metals only Sb,Rs,Be,B,Cd,Cr,Co,Cu,Pb,Mo,Ni, Se,Rg,TI,U,V,Zn Analyticas Full Metals Suite Specify Due Date: growing gurrange M Sel Metals & Inorganics incl CrVI, CN,Hg PH,(B(HWS),EC,SAR-soil) (CI, Na-water) Quotation #: Field Filtered (Y/N) 3 Custody Seal Present: Yes No ☑ gogo? BOX Sewer By-Law: MATRIX peremeters 30 ☐ Sanitary Storm **Municipality**: SAMPLED BOTTLES Signature: Signature: INVOICE INFORMATION # OF Received By (signature) 3 Custody Seal Intact: (Same as Report Information) Score 200 7 oN □ Other Regulations: \$ SARWAN DATE SAMPLED 1282/20 test REGULATIONS YES Company Address: Contact Phone: Email: Munis Observations/Comments/Special Instructions りんこう Keath werner @ Combian- Inc. Com RECORD OF SITE CONDITION (RSC) Arend ☐ Medium ☐ Fine Address: 19th Sophie strack Coarse Soil Texture: Company: Cambium - Fre Received By: (14 + (1 N)
Received Date: 05 - (hr:mi Joshva SAMPLE IDENTIFICATION REPORT INFORMATION Contact: Kewin Worred Joshva Phone: 705 - 742 - 740 × Peterboragn ON ☐ Ind/Com ☐ Res/Park Test well Relinquished by (NAME): Regulation 153/04: Sampled By (NAME): ate of Issue: 09 Sept, 2019 ☐ Table 1 ☐ Table 3 ☐ Table 2 Table 7 3 4 2 9 7 8 6 10 7 12



Cambium Reference: 12397-001 February 10, 2022



Appendix F Surrounding MECP Well Records

Cambium Inc. Page 31

Sore Mars Color Steel Color St				LEDURD WATER 277 N 4 667 V	#AAHOH 122 1063
Commer and LICAN CHUPCH A	ownsi	empleted I	own or City	Figure State	Mission 1
Casing and Screen Record	1	,	Pumping	Tool	PARTOR OF THE ST
Inside diameter of casing 2 Total length of casing /2 Type of screen Length of screen Depth to top of screen	Te Pu De W	uer clear or cl	numping /	H. C.	G.P.M.
Diameter of finished hole					w ground surface
72-37 	. :		e in the second	Water	
Overhanden and Hedrork Record		From St.	T.	Popth(s) at which water(s) found	Kind of water (fresh, saity, sulphur)
		0	11-4	48 1	fush
Franct		11-1	51		
			 	 	
				A. P. Cont.	1
				3 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u> </u>
			 		1
		;			
For what purpose(s) is the water to be used? CHUTCH Y-MATISE Is well on upland, in valley, or on hilbide? Milliade		In diagra	Location on below show I lot line. In	of Woll distances of we licate north by	ll from arrow.
Drilling or Boring Firm Halfuten Drilling			<u>.</u>		1
Address Okalifutor			,	Eng	LE LAKE
Name of Driller or Borer Much M. Parish Address Halefurtor		154, 4 /4	, 1	4Copn) s
Date Owillo Meriad Drilling or Buring Contractor)	1	100.40		4	
Perm 7 10X-45-1144 OWRG COPY		in the second			

	·	**		- Avansar
1771-1695191315				
141491911150 CODE?	2701	0539		. .
Elev. SF 1090 The Ontario Water Re	smark anna " sources Commission	n Act		13
Posin 24 1 1 WATER WE	LL REC	ORD	3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1969
County or District Haliburta Con. 8 Lot 16	Township Village	T Cit-	10	
Con. 8 Lot 16	Data semulated	Town or City	ny sax	
Owner O. W. R. C. (print in block letters)	Address 60/ 4	dar Bay Sy	month Tour	, 5-
Casing and Screen Record	3-66		ing Test	
Inside diameter of casing 6 inch	Static level	1	7	
Total length of casing 69 ff	Test-pumping r.	214		
Type of screen - Jones	1	41e 	• • • • • • • • • • • • • • • • • • •	G.P.M
Length of screen — Abant	Pumping level			
Total length of casing Type of screen Length of screen Depth to top of screen	Duration of test			· · · · · · · · · · · · · · · · · · ·
	Water clear or cl			
Diameter of finished hole Casing repoved; hole	Recommended p	oumping rate	· . 	
	with pump setting	g of		w ground surface
Well Log		·		Record
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s)	Kind of water (fresh, salty,
gravel fell	0	. 3	found	sulphur)
Sandust black mud	3		1 711	
black muck + bos	1.2	34	1	
grey sand & black muck	34	45		
Ster and Litt middy wilt	95	56		
blue clay or mud with some sand	56	64		
gray shorp fine sound mixed with m		45	-	
y my miles grown is	(5	73	 	
			+	
For what purpose(s) is the water to be used? Tay Well		Location	of Well	
	In diagram	Selow show	distances of well	from
Is well on upland, in valley, or on hillside? Volley	road and i	ot line. Ind	icate north by a	rrow.
Drilling or Boring Firm Ly Lat & Cont	See	attoch	ed diagram	21
Address Fonlon Falls	See K	econd :	573	
Licence Number	7	X Y	7	
Name of Driller or Borer Kan Hart				
Address Fenlon Foll's				
Date				
(Signature of Licensed Drilling or Boring Contractor)				

OWRC COPY

Ontario is now in Step 2 of the <u>Roadmap to Reopen (/page/reopening-ontario)</u>. Follow the <u>restrictions and public health measures (https://covid-19.ontario.ca/public-health-measures)</u>.



Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the <u>Open Data catalogue</u> (https://data.ontario.ca/dataset/well-records).

Go Back to Map ()

Well ID

Well ID Number: 2700830

Well Audit Number: Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location

Township	DYSART TOWNSHIP
Lot	017
Concession	CON 08
County/District/Municipality	HALIBURTON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 17 Easting: 696235.10 Northing: 4991194.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
	LOAM			0 ft	1 ft
BRWN	FSND			1 ft	4 ft
BRWN	MSND	STNS		4 ft	10 ft
BRWN	MSND	SHLE		10 ft	12 ft
GREY	GRNT			12 ft	50 ft
BLCK	GRNT			50 ft	65 ft
GREY	GRNT			65 ft	105 ft

Annular Space/Abandonment Sealing Record

Depth	Depth	Type of Sealant Used	Volume	
From	To	(Material and Type)	Placed	

Method of Construction & Well Use

Method of Construction	Well Use
Rotary (Air)	
	Domestic

Status of Well

Water Supply

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
6 inch	STEEL		21 ft
6 inch	OPEN HOLE		105 ft

Construction Record - Screen

Outside	Material	Depth	Depth
Diameter		From	To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 2104

Results of Well Yield Testing

After test of well yield, water was	CLEAR
If pumping discontinued, give reason	
Pump intake set at	
Pumping Rate	0 GPM
Duration of Pumping	1 h:10 m
Final water level	105 ft
If flowing give rate	
Recommended pump depth	100 ft
Recommended pump rate	0 GPM
Well Production	PUMP
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL	62 ft		
1		1	
2		2	
3		3	

4	4	
5	5	
10	10	
15	15	96 ft
20	20	
25	25	
30	30	88 ft
40	40	
45	45	81 ft
50	50	
60	60	73 ft

Water Details

Kind
Fresh

Hole Diameter

Depth From	Depth To	Diameter

Audit Number:

Date Well Completed: January 22, 1971

Date Well Record Received by MOE: March 27, 1972

Updated: June 04, 2021

Published: April 16, 2021

Related

How to use a Ministry of the Environment map (/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

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The Ontario Water Resources Act WATER WELL RECORD 2701562 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) GENERAL COLOUR CONMUR MATERIAL OTHER MATERIALS LACE 0008628121 10013 11228711 016618211 WATER RECORD -CASING & OPEN HOLE RECORD 14310£ MATERIAL INICANIES INCHES MATERIAL AND TYPE THESH A. TI SULPHUR LI GALVANIZED , [] ikten , [] enthun I CONCRETE 1 () SALEY 4 () MENERAL PLUGGING & SEALING RECORD 4 (7) OPEN HOLE ' U MEER O FRESH D SULPHUR DEPTH SET AT - FEET MATERIAL AND TYPE CENENT SECUT. 1 D SACTY 4 THERERAL 🗓 🖺 GALVANIZED FROM CONCRETE. 1 () FRESH & SULPHUR Stret. D GALVAMITED · □ FRESH → □ SULPRUM CONCRETE 2 A SALIT 4 7 MINERAL CT OPEN HOLE PUMPING TEST METHOD LOCATION OF WELL BAILER WATER LEVEL MARKA BEERM, SHOW DISTAN FRUTING EMB ALL MULLY FEARLY DRRING řii **b**riho * LV RECOVERY 0/0 "101 0 TO THE FEET 1 ELCLEAR . 1 CLOUDY SECOMMENDED 41-43 atcommtabts SHALLOW DOTER 100007 1 S WATER SUPPLY FINAL * [] ABANDONED, INSUFFICIENT SUPPLY 2 DESERVATION WELL . O ABANDONED POOR QUALITY STATUS 1 [] TEST HOLE T D UNFINISHED OF WELL 4 [] RECHANGE WELL ONESTIC 1 D CONNERCIAL 4 D STOCK * | HUNICIPAL WATER 3 U IRRIGATION 7 🔲 PUBLIC SUPPLY USE O * () INCUSTAINL * 13 COOLING ON AIR CONDITIONS * [] wet utte ' LA CABLE FOOL · D BORING **METHOD** Z 🔲 MOTART (CONVENTIONAL) OKOMASE 🖸 1 > 🗖 #OTARY (MEVENSE) . D Jetring DRILLING 3 THEAT PRATONE IS ! PRIVING 🗖 . AIR PERCUSSION

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FORM HQ. 0404-4-77

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Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the <u>Open Data catalogue</u> (https://data.ontario.ca/dataset/well-records).

Go Back to Map ()

Well ID

Well ID Number: 2701729

Well Audit Number: Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location

Township	DYSART TOWNSHIP
Lot	016
Concession	CON 07
County/District/Municipality	HALIBURTON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 17 Easting: 696095.10 Northing: 4990904.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	LOAM	SAND	DKCL	0 ft	8 ft
BRWN	SAND	BLDR	LTCL	8 ft	23 ft
RED	GRNT			23 ft	125 ft

Annular Space/Abandonment Sealing Record

Depth	Depth	Type of Sealant Used	Volume
From	To	(Material and Type)	Placed

Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	
	Domestic

Status of Well

Water Supply

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
6 inch	STEEL		29 ft

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1748

Results of Well Yield Testing

After test of well yield, water was	CLOUDY
If pumping discontinued, give reason	
Pump intake set at	
Pumping Rate	6 GPM
Duration of Pumping	1 h:0 m
Final water level	125 ft
If flowing give rate	
Recommended pump depth	120 ft
Recommended pump rate	5 GPM
Well Production	PUMP
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL	35 ft		
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	43 ft

20	20	
25	25	
30	30	35 ft
40	40	
45	45	35 ft
50	50	
60	60	35 ft

Water Details

Kind
Fresh

Hole Diameter

Depth From	Depth To	Diameter	

Audit Number:

Date Well Completed: June 08, 1980

Date Well Record Received by MOE: August 26, 1980

Updated: June 04, 2021

Published: April 16, 2021

Related

How to use a Ministry of the Environment map (/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

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Ministry of the Environment	WATE	The Ontario Water Resource R WELL F	RECORD
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COUNTY O	R DISTRICT	Z. CHECK (25) CORR.		OROUGH, CITY, TOWN, V	/ILLAGE		CON B	LOCK, TRACT, SUR	VEY. ETC		LOT 25-27
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The Ontario Water Resources Act Ministry ATER WELL of the Environment 2701989 Ontario 1. PRINT ONLY IN SPACES PROVIDED 2. CHECK X CORRECT BOX WHERE APPLICABLE TOWNSHIP, BOROUGH. COUNTY OR DISTRICT DATE COMPLETED LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) MOST COMMON MATERIAL GENERAL DESCRIPTION OTHER MATERIALS GENERAL COLOUR FROM τo 6 0 Soic LX 6 140 EPHINITE 6054 31 32 51 **CASING & OPEN HOLE RECORD** SCREEN 41 WATER RECORD DEPTH WATER FOUND AT - FEET KIND OF WATER MATERIAL MATERIAL AND TYPE DEPTH TO TOP OF SCREEN FROM 1 FRESH 3 SULPHUR 2 SALTY 4 MINERAL F □ TSTEEU 2 GALVANIZED FRESH 3 SULPHUR SALTY 6 MINERAL PLUGGING & SEALING RECORD CONCRETE 22 61 4 🗌 OPEN HOLE STEEL GALVANIZED CONST DEPTH SET AT - FEET MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.) 1 G FRESH 3 SULPHUR 2 2 SALTY 4 MINERAL ☐ CONCRETE OPEN HOLE 1 FRESH 3 SULPHUR 2 SALTY 4 MINERAL 27-30 STEEL 2 GALVANIZED 26-29 30-33 1 | FRESH 3 | SULPHUR 2 | SALTY 4 | MINERAL 3 [] CONCRETE LOCATION OF WELL 2 | BAILER PUMP D DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW. WATER LEVEL END OF PUMPING 22-24 PUMPING RECOVERY INDICATE NORTH BY ARROW STATIC LEVEL WATER LEVELS DURING Sin 80. L) 8-31 34 35 Sanford PUMPING Cologa I ☐ CLEAR RECOMMENDED PUMP SETTING FEET RATE DEEP GPM ☐ SHALLOW Heof WATER SUPPLY S . ABANDONED. INSUFFICIENT SUPPLY Lake FINAL OBSERVATION WELL **■** ABANDONED, PCOR QUALITY **STATUS** TEST HOLE RECHARGE WELL 7 🔲 UNFINISHED OF WELL 1 DOMESTIC 5 COMMERCIAL 2 | STOCK 3 | IRRIGATION 4 | INDUSTRIAL MUNICIPAL PUBLIC SUPPLY WATER # 519 Hwy USE OTHER ■ BORING **METHOD** 7 DIAMOND ☐ ROTARY (CONVENTIONAL) 3 | ROTAR; 4 | ROTARY (AIR) 5 | ATR PERCUSSION OF ☐ ROTARY (REVERSE) ■ □ JETTING 世121日~ DRIVING **DRILLING** DRILLERS REMARKS ONL DATE OF INSPECTION INSPECTOR OFFICE USE REMARKS CSS.ES

FORM NO. 0506-4-77 FORM 7

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32	2 10 14	15 21	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DECORD	54 SIZE(S) OF C	65 DPENING 31-33 DIA	METER 34-38	75 10 LENGTH 39-40
WATE	ER FOUND	RECORD	51 CASING & OPEN HOLE	DEPTH - FEET	Z (SLOT NO)		INCHES	FEET
AT .	- FEET 10-13 I 7 FR	ESH 3 SULPHUR	DIAM INCHES INCHES FI	ROM TO	MATERIAL A	AND TYPE	OF SCREEN	41-44 30 FEET
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	20-23 1 FR 2 SA	ESH 3 SULPHUR 24	² ☐ GALVANIZED 3 ☐ CONCRETE		FROM 10-13	10 14-17	- CEAS T	ACREA, ETC.
		ESH 3 [] SULPHUR 25	4 OPEN HOLE 24-25 1 STEEL 26	2	7-30 16-21	22-25		
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	55-56	1 D DOMESTIC	S COMMERCIAL MUNICIPAL	```				
	WATER USE	3 IRRIGATION 4 INDUSTRIAL	7 D PUBLIC SUPPLY COOLING OR AIR CONDITIONING	/	/ /	\		,
	USE	OTHER	9 □ NOT USED		Haliburt	of Village.)	
.	METHOD 57	CABLE TOOL Z D FOTARY (CONVEN	6 ☐ BORING (TIONAL) 7 ☐ DIAMOND			1-11		
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The Ontario Water Resources Act Ministry VATER WELL of the Environment 2701995 1. PRINT ONLY IN SPACES PROVIDED 2. CHECK X CORRECT BOX WHERE APPLICABLE TOWNSHIP, BOROUGH CIT COUNTY OR DISTRICT 131717 RAHO ATE OF THE HAKIBURTOM LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) GENERAL DESCRIPTION MOST OTHER MATERIALS GENERAL COLOUR FROM TO COMMON MATERIAL 28 C1/4)4 MIXTURE GRAUEL RANIT 31 32 SIZE(S) OF OPEN **CASING & OPEN HOLE RECORD** 51 SCREEN 41 WATER RECORD DEPTH WATER FOUND AT - FEET KIND OF WATER MATERIAL MATERIAL AND TYPE DEPTH TO TOP OF SCREEN FROM FRESH 3 SULPHUR
2 SALTY 4 MINERAL 2 GALVANIZED
3 CONCRETE 22 FRESH 3 SULPHUR
SALTY 4 MINERAL PLUGGING & SEALING RECORD 61 4 - OPEN HOLE AT - FEET DEPTH SET MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.) I T STEEL 3 SULPHUR
4 MINERAL FRESH Z SALTY 3 CONCRETE ■ □ OPEN HOLE 1 FRESH 3 SULPHUR 27-3 22.25 1 [] STEEL Z GALVANIZED 3 [] SULPHUR 4 [] MINERAL 26-Z5 30-33 80 1 🗍 FRESH 1 CONCRETE 2 SALTY LOCATION OF WELL 1 DOWP 2 | BAILER AIN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND WATER LEVEL END OF PUMPING PUMPING INDICATE NORTH BY ARROW Sir Some 73 60 MIN Collage 12 FEET PUMPING 1 🗆 CLEAR 2 CLOUDY JO FEET RATE SHALLOW DEEP 5 ☐ ABANDONED, INSUFFICIENT SUPPLY
6 ☐ ABANDONED, POOR QUALITY TATER SUPPLY FINAL 2 OBSERVATION WELL **STATUS** TEST HOLE 7 UNFINISHED OF WELL 4 | RECHARGE WELL DOMESTIC 5 COMMERCIAL STOCK RRIGATION 6 [] MUNICIPAL WATER PUBLIC SUPPLY umber COOLING OR AIR CONDITIONING

One of the conditioning INDUSTRIAL USE ☐ OTHER 6 | BORING
7 | DIAMOND **METHOD** #121 Huy OF ☐ JETTING 4 DEPARY (AIR)
5 AIR PERCUSSION DRIVING **DRILLING** DRILLERS REMARKS **1**40 DATA SOURCE ONLY DEBLEW DANLING LID DATE OF INSPECTION INSPECTOR OFFICE USE ALIBURTON REMARKS CSS.ES FORM NO. 0506-4-77 FORM MINISTRY OF THE ENVIRONMENT COPY

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4	1 WAT	TER RECORD	51 CASING &	OPEN HOLE RECO	ORD Z	54 1ZE(S) OF OPENING 31-33 SLOT NO)	65 75 8 DIAMETER 34-38 LENGTH 39-4
	TER FOUND	KIND OF WATER	INSIDE DIAM MATERIAL	WALL DEPTH THICKNESS INCHES FROM		TATERIAL AND TYPE	INCHES FEET DEPTH TO TOP 41-44 3
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	2 🗆	SALTY 4 [] MINERAL	4 ☐ OPEN HOLE				
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\vdash		57 CABLE TOOL	€ ☐ BORING			HIGHKANI ST.	0
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LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) GENERAL COLOUR MOST OTHER MATERIALS GENERAL DESCRIPTION	DEPTH - FE	ET
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31		
WATER FOUND KIND OF WATER SIDE WALL DEPTH - FEET SIZE SIZE S OF OPENING SI-33 DIAMETE	R 34-38 LENGT	TH 39-40 FEET
AT - FEET DIAM MATERIAL THICKNESS FROM TO	DEPTH TO TOP OF SCREEN	41-44 30 FEET
3 SALTY OPEN HOLE Concrete 188 Co	CENENT G	
Tonce Tell And To Steel FROM TO MATERIAL AND TO	TYPE LEAD PACKER	
25-26 1 FRESH 3 SULPHUR 29 4 OPEN HOLE 2 SALTY 4 MINERAL 24-25 1 STEEL 26 27-30 18-21 22-25 30-33 1 FRESH 3 SULPHUR 34 80 3 CONCRETE 26-29 30-33 80		
2 SALTY 4 [] MINERAL - 4 OPEN HOLE		
1 DENTE 2 BAILER 20 OFFEN 15-16 17-18 18-16 17-18 18-16 17-18 18-16 17-18 18-16 17-18 18-16 17-18 18-16 18-1		
SATIL END OF WATER LEVELS DURING 2 RECOVERY 19-21 22-24 IS MINUTES 30 MINUTES 35 MINUTES 35-37 29-21 32-34 35-37 35-37 WATER LEVELS DURING 2 RECOVERY HARCOVERY WELL SIDE WINDING 100 SIDE	SLRN	
OF HOUSE STEET STE	KI3	
TEET TO TEET T	-)	
50-53		
FINAL STATUS Test hole FINAL STATUS Test hole FINAL Test hole Final Test hole Final		
OF WELL 4 RECHARGE WELL 55-56 GOMMERCIAL	201	
WATER USE COMMERCIAL COMM	7	
METHOD CABLE TOOL 6 BORING		
OF OF OF OF OF OF OF OF		
NAME OF WELL CONTRACTOR LICENCE NUMBER DATA S8 CONTRACTOR 59-62 DATA SOURCE DATA SOURCE	038	5"
DENHIS DEBLER DRILLING 1748 ADDRESS HAIS DEBLER DRILLING 1748 AND OF DRILLER OR FOREN BURTON. ONT LICENCE NUMBER NAME OF WELL CONTINUED SOURCE DATE OF INSPECTION INSPECTOR REMARKS		_
INME OF DATEER OF DORER		
Dekeler DAYNOYRO	CSS.ES FORM NO. 0506—4-	-77 FORM 7

Ministry of the

Ontario	onmen† 1. PRINT ONLY IN S 2. CHECK ⊠ CORR	SPACES PROVIDED SET BOX WHERE APPLICABLE 1 2	270222	26 MUNICIP	CON.	22 23 74
COUNTY OR DISTRICT	CTOO	TOWNSHIP BOROUGH, CITY, TOWN, VILLAGE		CON BLOCK TRACT, SURV	VEY, ETC	LOT 25-27
		$\frac{1}{2}$			DATE COMPLETED	(4.53 85
		1NG 1	IC. ELEVATION	RC BASIN CODE	DAY MO.	YR IV
1 2 M	10 12	17 18 24	25 26	30 31		47
	LC MOST	OG OF OVERBURDEN AND BEDR	OCK MATERIAL	.S (SEE INSTRUCTIONS)	DE	PTH - FEET
GENERAL COLOUR	COMMON MATERIAL	OTHER MATERIALS		GENERAL DESCRIPTION	FROM	TO
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13ROKEN) (YOCK	,			17	300
12517 + 12	XACK G	-RAWITE			15	100
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31						
32	L. L	32	الللبيال	سلسبيا لسا	ــــــــــــــــــــــــــــــــــــــ	لبليا ل
	R RECORD	51 CASING & OPEN HOLE		SIZE(S) OF OPENING	31-33 DIAMETER 34-3	
AI - FEE3	CIND OF WATER	INSIDE WALL DIAM MATERIAL THICKNESS INCHES	DEPTH - FEET FROM TO	MATERIAL AND TYPE	DEPTH TO T OF SCREEN	
	RESH 3 SULPHUR 14	19-11 1 STEEL 12 D GALVANIZED	3 20	(n)		FEET
190:12	RESH ³ SULPHUR ¹⁹ ALTY ⁴ MINERAL	1 ⊡ CONCRETE 4 □ OPEN HOLE	20-23	61 PLUGGIN	G & SEALING RE	CORD
20-23 1 FI 2 S	RESH ³ D SULPHUR ²⁴ ALTY ⁴ D MINERAL	17-18 STEEL 19 To GALVANIZED 3 CONCRETE		FROM TO		AD PACKER, ETC.)
25-28 1 F	RESH 3 [] SULPHUR 29	4 OPEN HOLE 24-25 1 STEEL 26	27-30	18-21 22-25		
30-33 1 E	RESH 3 SULPHUR 34 10	2 GALVANIZED 3 CONCRETE		26-29 30-33 80		
PUMPING TEST METHOD	ALTY 4 MINERAL	4 ☐ OPEN HOLE				
71 1 PUMP 2 (1 / 2 / 1	GP 6 17-18 15-16 17-18	1 [LOCATION		
LEVEL	PUMPING	EVELS DURING 2 PUMPING	LOT LIN	GRAM BELOW SHOW DISTANC NE. INDICATE NORTH BY		AND \
TEST C	22-24 IS MINUTES	11 X Z 1 1 1 1 1 1 1 1 1 1 1 1 1				
	38-41 PUMP INTAKE S	SET AT WATER AT END OF TEST 42		TOGULFO	DRA.	
IF FLOWING. GIVE RATE RECOMMENDED PUMP T	GPM.	FEET 1 CLEAR 2 CCLOUDY	41		Den.	
SHALLOW [DEEP PUMP	195 PUMPING 3 GPM	<u> </u>) and reak	UENEMILOS	
54	1 -/]	S.C. S.C. S.C.	DEFEUING	
FINAL STATUS	WATER SUPPLY Description well Test hole	S ☐ ABANDONED, INSUFFICIENT SUPPLY L G ☐ ABANDONED, POOR QUALITY T ☐ UNFINISHED	HEGO LAKE	1 000		
OF WELL	4 RECHARGE WELL		TI MININE			
WATER	DOMESTIC STOCK INTERIGRATION	5 COMMERCIAL 6 MUNICIPAL 7 PUBLIC SUPPLY			HW7*118	
USE	4 INDUSTRIAL	COOLING OR AIR CONDITIONING NOT USED			1	
57	CABLE TOOL	• □ BORING	-		HALIBURTO	ò~
METHOD OF	2 ROTARY (CONVENT 3 ROTARY (REVERSE) • 🗇 JETTING 🐪 🔻 -				
DRILLING	4 ROTARY (AIR) 5 AIR PERCUSSION	9 DRIVING	DRILLERS REMARKS	S:	1	
NAME OF WELL CON	TRACTOR C	LICENCE HUNBER	DATA SOURCE	58 CONTRACTOR 59-6;	OTT 10	85""
ADDRESS L		DRILLING 1748	SOURCE DATE OF INSPECT	TIDN INSPECTOR	<u> </u>	
NAME OF DRILLER OF		UCTON LICENCE NUMBER	D REMAPKS			
N DEVIVI	S DEPLE		OFFICE			•
O SHONATURE OF CON	Mile.	DAY 2 MO R	 		CSS	S.ES



The Ontario Water Resources Act

WATER WELL RECORD

_	LY IN SPACES PROVIDED	2702263 NUMBER FOR
COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	10 14 15 22 23 2 CON., BLOCK, TRACT, SURVEY, ETC LOT, 25-27
	RANKO (20. HELICURTON DAY 5 MO 9 5 53
1 2 10 12	enc s	C ELEVATION RC BASIN CODE II III
	LOG OF OVERBURDEN AND BEDR	
GENERAL COLOUR COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION DEPTH - FEET FROM TO
DEEDEN WEL	1 851 to 2	SOO'
12/1	ACK GRANITE	
31 , , , , , , , , , , , , , , , , ,		
32	32	43 54 65 75 40
WATER RECORD WATER FOUND KIND OF WATER	51 CASING & OPEN HOLE	DEPTH - FEET INCHES FEET
AT - FEET RING OF WATER 10-13 FRESH 3 SULPHUE 2 SALTY 4 MINERAL	14 (10-11 1 STEEL 12 C	FROM TO MATERIAL AND TYPE DEPTH TO TOP 41-44 N
15-18 1 FRESH 3 D SULPHUE 2 SALTY 4 D MINERAL	19 CONCRETE 1000	61 PLUGGING & SEALING RECORD
20-23 1	24 17-18 STEEL 19	20-23 DEPTH SET AT - FEET MATERIAL AND TYPE (CEMENT GROUT FROM TO LEAD PACKER ETC.) 10-13 14-17
25-28 1 FRESH 3 [] SULPHUI 2 SALTY 4 [] MINERAL	29 4 OPEN HOLE 24-25 1 STEEL 26	27-30 18-21 22-25
30-33 1 FRESH 3 SULPHUI 2 SALTY 4 MINERAL	2 GALVANIZED 3 GONCRETE 4 GOPEN HOLE	26-29 30-33 80
71 PUMPING TEST METHOD 10 PUMPIN	1 15-16 (17-18	LOCATION OF WELL
STATIC WATER LEVEL 25 LEVEL END OF W/	GPM HOURS MINS TER LEVELS DURING RECOVERY	IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW TO HARBURY R
F 30 500 29	NUTES 30 MINUTES 45 MINUTES 60 MINUTES 23 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	11
Z IF FLOWING. 38-41 PUMP I	NTAKE SET AT WATER AT END OF TEST 42	11
RECOMMENDED PUMP TYPE RECOMP SHALLOW DEEP SETTING	AENDED 43-45 RECOMMENDED 46-49	HITS ICC HARBURN
50-53		
FINAL 1 WATER SUPI		VICTURIA ST
OF WELL 4 RECHARGE V	_	
WATER 2 STOCK 3 IRRIGATION USE 4 INDUSTRIAL	6 MUNICIPAL 7 PUBLIC SUPPLY 8 COOLING OR AIR CONDITIONING	HERITARION
□ OTHER	9 🗋 NOT USED	\\ \tag{\sigma}.
METHOD CABLE TOOL ROTARY (CO	NVENTIONAL) 7 🔲 DIAMOND	
DRILLING 4 PROTARY (AI		DRILLERS REMARKS
MAME OF WELL CONTRACTOR	ERDRILLING IDUS	DATA SB CONTRACTOR S9-62 DATE OF INSPECTION INSPECTOR
ADDRESS	RTUN	O DATE OF INSPECTION INSPECTOR
NAME OF DRILLER OR BORER	LICENCE NUMBER	
SIGNATURE OF CONTRACTOR	SUBMISSION DATE OF STATE OF ST	CSS.ES
MINISTRY OF THE ENVI	PONNENT CODY	FORM NO. 0506—4—77 FORM

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(77)	of the
	Environment
Ontario	1. PRIA

Environment	***	2703364 NUNICIP CON.	
	IN SPACES PROVIDED ORREST BOX WHERE APPLICABLE	2702264 NUNICIP. 134 COM.	22 23 24
COUNTY OR DISTRICT	TOWNSHIP BOROUGH, CITY, TOWN, VILLAGE	CON. PLOCK, TRACT, SURVEY, ETC.	LOT 25-27
		DATE COM	
	ING RC	ELEVATION RC BASIN CODE II	<u> Мо </u>
1 2 M 10 12	17 18 24 25	26 30 31	
Moet	LOG OF OVERBURDEN AND BEDRO	OCK MATERIALS (SEE INSTRUCTIONS)	DEPTH - FEET
COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	FROM TO
GREY CLAY	STONES.		0 30
BLACK + RED	GRANITE		30 385
		*	
		····	
31			
32	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	43	75 80
WATER FOUND WATER	51 CASING & OPEN HOLE F	RECORD SIZE(S) OF OPENING SI-33 DIAME	
AT - FEET KIND OF WATER 10-13 FRESH 3 SULPHUR 14	OIAM MATERIAL THICKNESS INCHES FR	OM TO MATERIAL AND TYPE	DEPTH TO TOP 0F SCREEN 30
15-18 ! G FRESH 3 G SULPHUR 19	I GALVANIZED ICC	32	FEET
2 SALTY 4 MINERAL	17-16 L DOPEN, HOLE	DEPTH SET AT - FEET	ACCUSENT CROUT
2 SALTY 4 MINERAL	₹ ☐ GALVANIZED 3 ☐ CONCRETE	FROM TO MATERIAL AND	LEAD PACKER, EYC.)
25-28 t FRESH 3 SULPHUR 25 2 SALTY 4 MINERAL	24-23 1 □ STEEL 26	27-30 18-21 22-25	
1 FRESH 1 SULPHUR 34 2 SALTY 4 MINERAL	CONCRETE COPEN HOLE	26-29 30-33 80	
71 PUMPING TEST METHOD 10 PUMPING R		LOCATION OF WEL	1
1 PUMP 2 BAILER	3 GPM 15-16 17-18 MINS	IN DIAGRAM BELOW SHOW DISTANCES OF WELL	
LEVEL END OF WATER	R LEVELS DURING 2 RECOVERY	LOT LINE. INDICATE NORTH BY ARROW.	7
25 FEET 385 35 WINDER	9 295 252 210	1,	0
FEET FEET IF FLOWING. GIVE RATE GPM RECOMMENDED PUNP TYPE RECOMMEN PUMP PUMP	\$5	HWYH	
RECOMMENDED PUMP TYPE RECOMMEN	DED 43-45 RECOMMENDED 2 46-49	FIRST ASSE	
SHALLOW DEEP SETTING	C J CHET RATE J GPM	BAKERY) RT.	:
FINAL 1 WATER SUPPLY		13700065650	
STATUS OF WELL 2 OBSERVATION V 3 TEST HOLE 4 RECHARGE WEL	7 UNFINISHED	TEMPERSON	
55-56 1 DOMESTIC	5 COMMERCIAL	.\.	
WATER 2 STOCK 3 IRRIGATION 4 INDUSTRIAL	6 MUNICIPAL 7 PUBLIC SUPPLY 8 COOLING OR AIR CONDITIONING	1HALIBURTON	
CI OTHER	• O NOT USED		;
METHOD 1 CABLE TOOL 2 ROTARY (CONVI	•	1	
OF DRILLING OF OF OF OF	9 DRIVING		į
		DRILLERS REMARKS DATA 58 CONTRACTOR 59-62 DATE POLICE	4 4 6
& JEWNIS DEBLI	ER ORILLING 1748	SOURCE	1 11 82
15 KK#5 1-10 FIG	SURTON	O DATE OF INSPECTION INSPECTOR	· ·
NAME OF DRILLER OR BORER	LICENCE NUMBER	□ REMARKS	
S SIGNATURE OF CONTRACTOR	SUBMISSION DATE & SS	OFFICE	CSS.ES
MINISTRY OF THE FIRM POWE	BAY MO YR		FORM NO. 0506—4—77 FORM 7



Onta			SPACES PROVIDED 11	27024	01 MUNICIP	CON.
	OR DISTRICT	WOTCO)	TOWNSHIP, BOROUGH, CITY, TOWN, VILLA	GE	CON BLOCK, TRACT, SURVE	Y ETC. LOT 25-27
			161 1806	STOW.		DAY 25 MO 48 53 YR 86
			AING	RC ELEVATION	RC BASIN CODE	11, 11, 11
7		× 10	OG OF OVERBURDEN AND BED	PROCK MATERIAL	S (SEE INSTRUCTIONS)	47
GENER	AL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS		GENERAL DESCRIPTION	DEPTH - FEET FROM TO
UE	برار		GRAUEL.	. 4		0 15
G₽	EY		JONES BOULD	ERS 1-19	ARDPAN.	15 48
KE	O + P	KACK. F	ROKEN ROCK.	GRAUI	EL SAND	48 52
Sh	PCK	+ GREY C	RANITE			52 160
ļ	4					
-						
31						
32		14 15	32	1 43	54	65 75 80
41		TER RECORD	51 CASING & OPEN HO		SIZE(S) OF OPENING	31-33 DIAMETER 34-38 LENGTH 39-40
WATER	FOUND EEET 1	FRESH 3 SULPHUR	MATERIAL WALL		SIZE ST NO) SIZE ST NO) SIZE ST NO) SIZE ST NO DEPTING SIZE	DEPTH TO TOP 41-44 30
15	O 2 =	SALTY, 4 [] MINERAL FRESH 3 [] SULPHUR 19	10-11 STEEL 12 GALVANIZED I CONCRETE	0 53.	<u></u>	FEET
	, z ==	SALTY 4 [] MINERAL	4 OPEN HOLE 17-18 1 STEEL 19	20-23	DEPTH SET AT - FEET	G & SEALING RECORD
	2 C	FRESH ³ [] SULPHUR ²⁴ SALTY ⁴ [] MINERAL	₹ ☐ GALVANIZED 3 ☐ CONCRETE		FROM TO 10-13 14-17	LEAD PACKER, ETC.)
	2	FRESH 3 [] SULPHUR ²⁹ Salty 4 [] Mineral	4 ☐ OPEN HOLE 24-25 1 ☐ STEEL 26 2 ☐ GALVANIZED	27-30	18-21 22-25	
	30-33 1 [FRESH 3 SULPHUR 34 81 SALTY 4 MINERAL	3 GONCRETE		26-29 30-33 80	
71 20	IMPING TEST MET		E 11-14 DURATION OF PUMPING 15-16 12	-18	LOCATION O	F WELL
	STATIC	WATER LEVEL 25	EVELS DUBING	INS	GRAM BELOW SHOW DISTANCE NE. INDICATE NORTH BY AF	
TEST	19-21	PUMPING WATER 22-24 15 MINUTES	30 MINUTES 45 MINUTES 60 MINUTE	is I	NE. INDICATE NORTH BY AF	rrow.
9 <u> </u>	30	160 130 FEET 130 FEE	ET 125 10 0 TEST		.)	
PUMPING	IVE NAT	1 1	FEET 1 CLEAR 2 CLOU	DY /		5.
2	SHALLOW	PILMP	PUMPING 2	43 3PM	mount	610 31
10-1				⊒ "		
	FINAL STATUS	WATER SUPPLY Description we		LY	和了	ro flouse
	OF WELL	3 TEST HOLE 4 RECHARGE WELL	7 UNFINISHED	<i>t</i>	BELL I	ion at
	» WATER	DOMESTIC	5 COMMERCIAL 6 MUNICIPAL	Dawton	0. L/ 1D	TO I-IIGHI SCI-ICOL
11	USE	3 IRRIGATION 4 INDUSTRIAL OTHER	7 ☐ PUBLIC SUPPLY ■ ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED		HWY # 121	2
		57 CABLE TOOL	6 D BORING			Toury DOCK.
N	METHOD OF	2 . ROTARY (CONVEN	TIONAL) 7 DIAMOND E) USETTING			
L D	RILLING	PROTARY (AIR) S AIR PERCUSSION	9 DRIVING	DR+LLERS REMARK		,
r.	AME OF WELL	CONTRACTOR OF SOURCE OF	RILLING 1748	DATA	58 CONTRACTOR 59-62	210187
TO A	DDRESS			O DATE OF INSPEC		
TRA(AME OF DRILL		2700 ·	S REMARKS		
CONTRACTO	STATURE OF	CONTRACTOR OF 1	K SUBMISSION DATE 1 C)	OFFICE		
	Den	شما كالولد) DAY 25 MO. A SI	0	<u> </u>	CSS.ES



Ontario	1. PRINT ONLY IN S 2. CHECK ⊠ CORRI	SPACES PROVIDED ECT BOX WHERE APPLICABLE	2702457	INICIP CON	22 23 74
COUNTY OR DISTRICT	RTD (/	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOC	K, TRACT, SURVEY, ETC	107 -23-27
		+ HALIBUR	TOM DET	DAY MO	1.6. (<u> </u>
		HING	RC ELEVATION RC BASI	A CODE	1y
	LO	OG OF OVERBURDEN AND BEDR	ROCK MATERIALS (SEE INSTRE	CTIONS)	47
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DE	SCRIPTION DEP	TH - FEET
	CLAY			0	8
BK (PANITE			8	200
	DOLOMATE			200	240
31					
	ER RECORD	51 CASING & OPEN HOLE	RECORD SIZE(S) OF O	ENING 31 33 DIAMETER 34-33	25 83 LENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE WALL DIAM MATERIAL THICKNESS	RECORD DEPTH - FEET FROM TO MATERIAL AI	INCHES ID TYPE DEPTH TO TOP	41-44 30
	FRESH 3 SULPHUR 14 SALTY 4 MINERAL	10-11 STEEL 12 GALVANIZED	13-16	OF SCREEN	FEET
15-18 1	FRESH 3 SULPHUR ¹⁹ SALTY 4 MINERAL	CONCRETE COL	[/]/	PLUGGING & SEALING REC	ORD
	FRESH 3 SULPHUR 24	77-18 GALVANIZED	20-23 DEPTH SET AT	TO MATERIAL AND TYPE LEAD	MENT GROUT, PACKER, ETC.)
	FRESH 3 SULPHUR 25 SALTY 4 MINERAL	24-25 1 STEEL 26	27-30 18-21	14-17	
30-33	FRESH 3 SULPHUR 34 00 SALTY 4 MINERAL	2 ☐ GALVANIZED 3 ☐ CONCRETE	26-29	30-33 80	
PUMPING TEST METHO		13-14 DURATION OF PUMPING		TION OF WELL	
71 1 PUMP 2	BAILER 25	GPM		OW DISTANCES OF WELL FROM ROAD	
LEVEL	END OF WATER LEV PUMPING 22-24 IS NINUTES	VELS DURING	LOT LINE INDICATE	NORTH BY ARROW.	AND
30 FEET 6	26-28 240EET FEET	29-31 32-34 35-37 FEET FEET FEET	VICLIAGE HACIEUR	nd *	
IF FLOWING. GIVE RATE RECOMMENDED PUMP	38-31 PUMP MTALE SE	WATER AT END OF TEST 42	1		
RECOMMENDED PUMP	TYPE RECOMMENDED PUMP	43-45 RECOMMENDED 46-49 PUMPING		4	
50-53		FEET RATE GPM		. 1	
FINAL STATUS	WATER SUPPLY	5 ABANDONED, INSUFFICIENT SUPPLY 6 ABANDONED POOR QUALITY	APARTMENTS MOUNTA	IN /	
OF WELL	3 TEST HOLE 4 RECHARGE WELL	7 UNFINISHED	The state of the s		
WATER	2 STOCK	5 COMMERCIAL 5 MUNICIPAL	1	CHURCH CH	ļ
USE	1	PUBLIC SUPPLY COOLING OR AIR CONDITIONING NOT USED	Mesopania (7	
57		€ DORING			
METHOD OF	z	DNAL) / DIAMOND DISTRING		#121	
DRILLING	4 ROTARY (AIR) 5 AIR PERCUSSION	9 DRIVING	DRILLERS REMARKS	02	436
S DENMIS		LICENCE NUMBER	DATA SB CONTRACT	DATE RECEIVE 2603	87""
ADDRESS ADDRESS MAME OF DRILLER MANE OF CON SIGNATURE OF CON	DEBLER D	181WING 1748	Source Date of Inspection	INSPECTOR	
NAME OF DRILLER		_	REMARKS		
SIGNATURE OF CON		ER SUBMISSION DATE	OFFICE		
	deplea	DAY MO YR	To the state of th	CSS	ES



MINISTRY OF THE ENVIRONMENT COPY

The Ontario Water Resources Act WATER WELL RECORD

FORM NO (05) \$4. 17 SORM 7

Ontario	1. PRINT ONLY IN SI	PACES PROVIDED CT BOX WHERE APPLICABLE	11	270249) O MUNICIP	CON.		22 23 2
COUNTY OR DISTRICT	Z. CHECK A CORRE	TOWNSHIP BOROUGH.			CON. BLOCK, TRACT.	L PIN		LOT 25-27
		<i>37</i>	101100	10131		DATE COM	PLETED MO	3 ,8
		e .	77 /C/B/A	ELEVATION	RC BASIN CODE		1111	14
1 2	M 10 12 LO	G OF OVERBURD	EN AND BEDRO		S (SEE INSTRUCTIONS	1		
GENERAL COLOUR	MOST COMMON MATERIAL		MATERIALS		GENERAL DESCRIPTION		DEPT FROM	H - FEET
Red	Frante	- ノ					83	150
			,					
	Del dec	pened	from	· 831	to 150			
			1					
31							1 1 1 1	
32	FR PSCORD	51 CASING	& OPEN HOLE	BECORD	SIZE(S) OF OPENING	31-33 DIAM	AETER 34-38	LENGTH 39
WATER FOUND AT - FEEL	KIND OF WATER	INSIDE MATERIAL	WALL	DEPTH - FEET	S (SLOT NO) M MATERIAL AND TYPE		DEPTH TO TO OF SCREEN	
	FRESH 3 SULPHUR 14 SALTY 4 MINERAL	10-11 1 STEEL	12	13 -16	S		or seller.	FEET
	FRESH 3 SULPHUR 19 SALTY 4 MINERAL	CONCRET	A Company of the Comp	<i>-0</i>	61 PLUG	GING & SEA		CORD
20-23 1 0	FRESH 3 SULPHUR 24 SALTY 4 MINERAL	17:18 STEEL 2 GALVANI 3 CONCRE	TE		FROM TO 10-13 14-	MATERIAL A	NO THE LEAD	D PACKER, ETC.)
25·28	FRESH 3 SULPHUR 25 SALTY 4 MINERAL	4 OPEN HO	26	27-30	18-21 22-	2.5	·	
30-33 , □ j 2 □	FRESH 3 SULPHUR 34 50 SALTY 4 MINERAL	CONCRE	TE		26.29 30-	33 80		
71 PUMPING TEST METH	i	8 II-18 DURATION	15-16 17-18 HOURS MINS		LOCATIO	N OF WE	LL	
STATIC LEVEL	WATER LEVEL 25	LEVELS DURING	PUMPING RECOVERY	IN DIA	AGRAM BELOW SHOW DIS	STANCES OF WELL BY AFRICAN.	L FROM ROAI	DAND
30-	22-24 15 MINUTES 5 Deet 14 FE	1 502001 4/	NUTES 60 MINUTES 32-34 4/35-3:	1 0	$\sqrt{11}$	4		•
U FEET FLOWING, GIVE RATE	38-ult PUMP INTAKE	SET AT WATER A	T END OF TEST 42	KOZI ((Horb	um.		المدر
RECOMMENDED PUM	PUMP	- PEET	NDEP 45-45)			14900
50-53	E DEEP SETTING	70]			أ	三190
FINAL STATUS	WATER SUPPLY Description we Test hole						¥ 500	
OF WELL	. RECHARGE WELL	5 COMMERCIAL						
WATER	: ☐ STOCK : ☐ IRRIGATION	6 MUNICIPAL 7 DUBLIC SUPPLY	CONDITIONING	H			Ì	
USE	INDUSTRIAL OTHER	COOLING OR AIR	NOT USED	Hwy k,	51	2:	ا ا	
METHOD	CABLE TOOL		MOND	Centro	of \	Rive? Dr	`,	
OF DRILLING	ROTARY (REVERS DROTARY (AIR) AIR PERCUSSION	E)		DRILLERS REMAR	into Village		0	7788
NAME OF WELL	CONTRACTOR)	LICENCE NUMBER	≥ DAT Selu R ns	53 (ONTRACSO):	59-6/ OATE RECUI	080	487
ADDRESS ADDRESS	SINGERCY	2011/6 411	<u> </u>	SOURCE LASE	ECTED 1 INCE	1		<u> </u>
ADDRESS ADDRESS MANE OF DRILLE	ER OR BORER	PIPI	LICENCE NUMBER	DE NEMADA:				
SIGNATURE OF C	CONTRACTOR	SUBMISSION D		OFFICE			CS	SS.ES
$\Box \Box \cup UUU$	you would	DAY	MO. YR.					05 6 S 4 17/G 0



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COUNTY OR DISTRICT		TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	ON PLOCK, TRACT, SURVEY ETT	1601 18
		1/2	DA	TE COMPLETED 48 53
			ELEVATION RC BASIN CODE	11 116 19
1 2 M 10	100	OF OVERBURDEN AND BEDROO	EK MATERIALS (SEE INSTRUCTIONS)	47
GENERAL COLOUR	MOST	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM TO
\$6	ONMON MATERIAL	Da , ,		06
Red M	(anite)			683
		· · · · · · · · · · · · · · · · · · ·		
31			<u> </u>	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	RECORD	5: CASING & OPEN HOLE R	ECORD SIZE: 51 OF OPENING 31:3	3 DIAMETER 34-30 LENGTH 39-40
AT - FEET	ID OF MALEK	INSIDE DIAM MATERIAL THICKNESS INCHES FRO	ECORD EPTH - FEET M TO MATERIAL AND TYPE	INCHES FEET DEPTH TO TOP 4: 43 30 OF SCREEN
/)% : □ SAL	SH 3 D SULPHUR 14	10-1 : STEEL 12 2 GALVANIZED		FEET
≥ □ SAL	TY 4 [] MINERAL	17-18 STEEL 19	DERTH SET AT . FEET	R SEALING RECORD
20-23 1 FRE 2 SAL	SH 3 SULPHUR ²⁴ TY 4 MINERAL	2 GALVANIZED 3 GCONCRETE	FROM TO 10-13 14-17	LEAD PACKER, ETC. 1
25-25 FRE	SH 3 [] SULPHUR ²⁹ TY 4 [] MINERAL	4 OPEN HOLE 24-25 STEEL 25 2 GALVANIZED	27-30 18-21 22-25	
30-33 FRE 2 SAL	SH 3 SULPHUR 34 10 TY 4 MINERAL	CONCRETE OPEN HOLE	26-29 30-53 80	
71 PUMPING TEST NETHOD	10 PUMPING RATE	15 12 DURATION OF PUMPING	LOCATION OF	WELL
1 PUMP 2 L	ER LEVEL 25	GPM HOURS MINS 1 PUMPING 2 PRECOVERY	IN DIAGRAM BELOW SHOW DISTANCES C LOT LINE INDICATE NORTH BY ARRO	F WELL FROM HOAD AND
LEVEL P	22-24 15 MINUTES 26-28	30 MINUTES 45 MINUTES 60 MINUTES 29-31 32-34 35-37	Courty Rd	
FEET STATE	S FEET 20 FEET 38-81 PUMP INTAKE SET	TAT WATER AT END OF TEST 42	The state of the s	
IF FLOWING. SIVE RATE RECOMMENDED PUMP TYP	GPM RECOMMENDED	FEET 1 CLEAR 2 CLOUDY 43-45 RECOMMENDED 46-49	K	in ELL
SHALLOW D	DEEP PUMP SETTING	PUMPING FEET RATE GPM		**
54	WATER SUPPLY	5 ABANDONED. INSUFFICIENT SUPPLY		1-1 190
FINAL STATUS OF WELL	OBSERVATION WELL TEST HOLE REMARGE WELL	6 ABANDONED, POOR QUALITY 7 UNFINISHED	- Company of the Comp	F 360
55-56	DOMESTIC	5 COMMERCIAL 6 MUNICIPAL	A substitute of the state of th	The state of the s
WATER USE	z STOCK 1 IRRIGATION 1 INDUSTRIAL	7 PUBLIC SUPPLY 1 COOLING OR AIR CONDITIONING	II. Harr	Angle Angle Victor
57	OTHER	9 ON USED	Hary # 121	RIOFPSIDE
METHOD OF	A CABLE TOOL 2 ROTARY (CONVENTION 5 ROTARY (REVERSE)	S BORING ONAL) / DIAMOND S JETTING	Centre of	Dec.
DRILLING	4 DEPOTARY (AIR) 5 DAIR PERCUSSION	9 DRIVING	HALLES FEMARES	02465
NAME OF WELL CONT	RACTOR F	LICENCE NUMBER	DATA 58 CONTRACTOR 59-62 DA	080487"°
ADDRESS ADDRESS	WEBIER L	1748 LTD 1748	O DATE OF INSPECTION INSPECTOR	
NAME OF DATALER OF CONTROL	BORER CHANGE	OLL LICENCE NUMBER	M ACMAPES	
SIGNATURE OF CONT	RAGTOR PARTY	S LEBIFIC 1748	OFFICE	CSS.ES
11/30	ELCO LENK	DAY MO YR	0	FORM NO. 0506—4—77 FORM



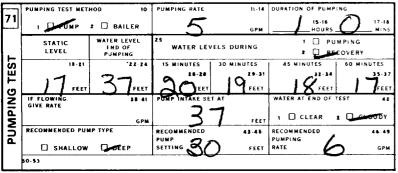
(Ontario	1. PRINT ONLY IN SPACES PROVIDED 2. CHECK 🗵 CORRECT BOX WHERE APPLICABLE	533 MUNICIP	CON	22 71 74
ſ	COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVE	Y. ETC.	α 25-27 /7
		Mariante	1 miles	118 00	/ " E Z
		HING RC ELEVATION	RC BASIN CODE	DAY MOCO	TRIZ-JZ
. آ	to the second se	LOG OF OVERBURDEN AND BEDROCK MATERI	30 31		
ŀ	GENERAL COLOUR	MOST OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH	
F		COMMON MATERIAL	, <u> </u>	FROM	297
-	RE	BROWETTE FOR			440
ł		Christian II		~ ~ / /	9/0
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		· ·			
1	31				
ſ	4 WA	TER RECORD CASING & OPEN HOLE RECORD	SIZE(S) OF OPENING	31:33 DIAMETER 84:35 L	87 ENGTH 35 to
1	WATER FOUND AT - FEET	KIND OF WATER INSIDE WALL DEPTH - FEET	Z ISLOT NO)	INCHES	FEET
İ	1/2/2010 E	FRESH 3 SULPHUR STEEL STEEL 10.3	MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	41-63 30 FEET
\mathbf{I}	-/ / - -	FRESH : SULPHUR 'S CONCRETE CONCRETE	61 PLUGGING	6 & SEALING RECO	
-		77-1E : ☐ STEEL '9 20.7	DEPTH SET AT . FEET	INTERIAL AND TYPE (CEME!	NT GROUT
	2 [SALTY C MINERAL CONCRETE OPEN HOLE	10-13 84 - /		
	ž 🗖	SALTY a MINERAL 24-25 STEEL 26 27-3	0 18-27 22-25		
Į		FRESH → □ SULPHUR 14 PC : □ CONCRETE □ SALTY 4 □ MINERAL	26 29 30-33 80		
F	71 PUMPING TEST MET		LOCATION O	F WELL	
Ī	STATIC	WATER LEVEL 25 WATER LEVELS DIRING DUMPING IN E	DIAGRAM BELOW SHOW DISTANCES		N D
-	TEST 19-51	PUMPING 22-74 IS MINUTES 30 MINUTES 45 MINUTES 60 MINUTES		ROW.	
		SEAT PUMP INTAKE SET AT WATER AT END OF TEST 42	S.S.F.C		
	IF FLOWING. GIVE RATE RECOMMENDED PUI	CPM STATE SET 1 D CLEAR 2 DECLOUDY) _	
	RECOMMENDED PUT	PIIMP		1 STRIVE	OH_
	50-53				1
	FINAL	BWATER SUPPLY ABANDONED, INSUFFICIENT SUPPLY OBSERVATION WELL ABANDONED, POOR QUALITY			
1	STATUS OF WELL	T TEST HOLE TO UNFINISHED) ,	HALIBURTO LUMB	
Ī	•	5 56 1 DOMESTIC 5 COMMERCIAL 7 STOCK 5 MUNICIPAL	'-		XE IC
	WATER USE	5 IRRIGATION 7 PUBLIC SUPPLY 6 INDUSTRIAL 5 COOLING OR AIR CONDITIONING	>/	RIVER	
		OTHER OTHER	7		
	METHOD OF	CABLE TOOL BORING ROTARY (CONVENTIONAL) DIAMOND ROTARY (REVERSE) DISTRING		11.01.10	
	DRILLING	DRIVING	ADVC:	##### 09:	216
	NAME OF WELL	CONTRACTOR LUCENCE NUMBER		SP 1 3	
,	S KOORESS	15 DEBUTE DRIVING LTD 1748	PECTAGE NOBLES	02068	7
	JAK RA	2 HALIBURTON, OLTI IS			
	SIGNATURE OF DRILLIA				
	SIGNLY OF A	CONTRACTOR SUBMISSION DATE		CCC	FC
L	W	DAY MO YR.		CSS.1	



Ontario	ronment 1. PRINT ONLY IN S	PACES PROVIDED		27025	57 NUNICIP.	con.		
COUNTY OR DISTRICT	2. CHECK X CORR	TOWNSHIP, BOROUGH, CITY TO	DWN. VILLAGE		CON . BLOCK, TRACT.	SURVEY, ETC	1	or 25-27
		11.10087				DATE COMP	1	1.18 15 87
		× 44	4 HALL	BURTON	BC BASIN CODE	DAY J		W
	M 10 12	OG OF OVERBURDEN A	ND BEDROO	K MATERIAL	S (SEE INSTRUCTIONS) //.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATER			GENERAL DESCRIPTI		DEPTH FROM	- FEET
Car Rooker	K GRANITE						0	180
UNE / 112024					* '	***	.,	
		, (***
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		* ·	sales a					
31								
32 10 WA	TER RECORD	51 CASING & O	PEN HOLE R	ECORD	SIZE IS OF OPENING	31-33 DIAME	TER 34-38	75 80 LENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE		EPTH - FEET	MATERIAL AND TYPE		DEPTH TO TOP	FEET 41-44 30
	FRESH 3 DSULPHUR SALTY 4 DMINERALS 6 DGAS	10-11 1 TEEL 12 12 2 GALVANIZED		13 - 16	SS		OF SCREEN	FEET
15-10 1	FRESH 3 SULPHUR 19 SALTY 6 GAS	72.10	188 0	22	61 PLUG	GING & SEAL		ORD
	FRESH 3 SULPHUR 24 SALTY 6 GAS	1 STEEL 2 GALVANIZED 3 GONCRETE 4 GOPEN HOLE			FROM TO 10-13 14-		LEAD P	ACKER, ETC.)
	FRESH 3 SULPHUR 29 SALTY 6 GAS	5 Delastic 24-25 1 Osteel 2 Ogalvanized	2	2 180.	18-21 22-	15		
	FRESH 3 SULPHUR 34 MINERALS SALTY 6 GAS	3 CONCRETE 4 COPEN HOLE 5 PLASTIC			26-29 30-	33 80		
71 PUMPING TEST ME	THOO 10 PUMPING RAT	2 / 15-16	17-18		LOCATIO	N OF WEL	L	
STATIC LEVEL	WATER LEVEL 25	I EVELS DUBING	S MINS PUMPING RECOVERY	IN DIA	AGRAM BELOW SHOW DIS INE INDICATE NORTH		FROM ROAD	AND
TEST 24	22-24 15 MINUTES	28 29-31 32-34				• •		
E FLOWING.	T FEET FUMP INTAKE		F TEST 42	·				
IF FLOWING. GIVE RATE RECOMMENDED PL	PUMP	PUMPING	16-49	n Ji				·
SO-53	W DEEP SETTING	/50 FEET RATE	/ 0 GPM					
FINAL	1 WATER SUPPLY 2 OBSERVATION WE	B ABANDONED INSUFF						l
STATUS OF WELL	TEST HOLE RECHARGE WELL							
WATER	DOMESTIC DOMESTIC REGALION	5 COMMERCIAL 6 MUNICIPAL 7 PUBLIC SUPPLY	['
USE	4 INDUSTRIAL OTHER	COOLING OR AIR CONDIT		}	`.			
METHOD	57 1 CABLE TOOL 2 ROTARY (CONVE							
OF CONSTRUCTI	ION 4 PATRY (REVERS	8 DETTING 9 DRIVING DIGGING	☐ OTHER	DRILLERS REMAR	rke.		109	26
NAME OF WELL		WELL	CONTRACTOR'S	DATA	SE CONTRACTOR	59-62 DATE RECEIVE	Ĺ 2 7 19	97 ""
ADDRESS D	ALDWIN WEL	LIKILLING 131	12	DATE OF INSP	ECTION INSP	J U	L 2 1 13	N1
ADDRESS NAME OF WE	LI FECHNICIAN CARLE		TECHNICIAN'S	O REMARKS				
S BRAD	DALOWIN-KE F TECHNICIAN/CONTRACTOR	SUBMISSION DATE	300	OFFICE			CSS.ES	S
Louis	Baldwa	DAY 21 MOJ	UL-1_ YR 87	0				(11/86) FORM 9



Ontario	1. PRINT ONLY IN :	SPACES PROVIDED	11	270258	32	14 15	22 23 74
COUNTY OR DISTRICT	· · · · · · · · · · · · · · · · · · ·	TOWNSHIP, BOROUGH, CI	ITY, TOWN VILLAGE		CON . BLOCK, TRACT, SU	RVEY. ETC	18
		1/1	1110110	704		DAY 2/ MC	08" v87
		n 6		C REVATION	RC BASIN CODE		1 1 1 4
	L(OG OF OVERBURDE	N AND BEDR	OCK MATERIAL			
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER N	MATERIALS		GENERAL DESCRIPTION	FR	DEPTH - FEET ROM TO
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31							
32						65	1111,
	TER RECORD	51 CASING	& OPEN HOLE	RECORD	SIZE(S) OF OPENING (SLOT NO.)	31-33 DIAMETER	34-38 LENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	DIAM MATERIAL INCHES	THICKNESS	FRUM TO 13-16	MATERIAL AND TYPE	DEPTH OF SC	TO TOP 41-44 30 REEN FEET
	SALTY 4 DMINERALS 6 DGAS FRESH 3 DSULPHUR 19	2 GALVANIZEI 3 CONCRETE 4 OPEN HOLE	الممدا	0 22	61 PLUGG	SING & SEALING	
	SALTY 4 DMINERALS 6 DGAS	5 PLASTIC	", 100	20-23	DEPTH SET AT - FEET FROM TO	MATERIAL AND TYPE	(CEMENT GROUT, LEAD PACKER, ETC.)
2	SALTY 6 DGAS	2 □ GALVANIZE 3 □ CONCRETE 4 □ OPEN HOLE 5 □ PLASTIC	E	27-30	10-13 14-17		
2	SALTY 6 3 GAS	1 STEEL 2 GALVANIZE 3 CONCRETE 4 DOPEN HOLE	1 1)		26.20 30.33	BO	
2	SALTY 6 GAS	5 PLASTIC	OF PHMPING	<u></u>		u of Well	
71 PUMPING TEST M	z 🗆 BAILER 25	G.P.H GPM	15-16 0 17-18 HOURS 0 MIN	S IN DI	LOCATION	ACES OF WELL FROM	ROAD AND
STATIC LEVEL	PUMPING	LEVELS DURING	PUMPING DECOVERY	100	INDICATE NORTH	BY ARROW.	
1 20	2nn 19:2	71 28 EET 28	2 276	JULYALIF)		
IF FLOWING. GIVE RATE RECOMMENDED P	SB-41 PUMP INFAK		LEAR 2 CLOUDY		. 1	1	
RECOMMENDED P		PUMPING	MDED 40-4	Surge	side / x	T	
30-53		10					
FINAL STATUS	WATER SUPPLY Description w Test hole		INSUFFICIENT SUPPLY Poor quality	1 i	4)		
OF WELL	A RECHARGE WELL	• —		JARBI	IRD >		
WATER	2 STOCK 3 IRRIGATION	6 MUNICIPAL 7 DUBLIC SUPPLY		HARBI			
USE	4 INDUSTRIAL OTHER	COOLING OR AIR C	CONDITIONING NOT USED				
METHOD	L 🗀		IOND			UCTORIA	<t< td=""></t<>
OF CONSTRUCT	ION ROTARY (REVER	9 🗎 DRIVI		DRILLERS REMAR	eks.		17915
NAME OF WEL				CS DATA		59-62 DAYE RECEIVED	63-61 60
R A HALL	S DEBLEE D	BILLIA TILD	1748	DATE OF INSP	ECTION INSPEC	TOR AUG 2	8 1982
CONTRACTOR	ELL TECHNICAN PUA	א סדי	WELL TECHNICIAN				
SIGNATURE O	OF TECHNICIAN CONTRACTOR	R SUBMISSION DA	<u> </u>	OFFICE	n.	,	700 z~
1///	40. C block	DAY	_ MO YR	_ ō	, and the second second		.55.ES



WATER SUPPLY BANDONED, INSUFFICIENT SUPPLY ABANDONED POOR QUALITY ABANDONED POOR QUALITY UNFINISHED CONTROL CONT
DOMESTIC 5 COMMERCIAL COMMERCIAL MUNICIPAL
CABLE TOOL

	DAY_	MO. YR.
lΣ	SIGNATURE OF TECHNICIAN CONTRACTOR SUBMIS	SSION DATE
TNC	PATA WILL SON	WELL TECHNICIAN'S LICENCE NUMBER
AACT	RA#2 HALIBUATON	
OR (DEVINIS DEBLEE DRILLIN	LICENCE NUMBER
	NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S

	LOCATION	OF WELL	
IN DIAGR LOT LINE	AM BELOW SHOW DISTAN INDICATE NORTH BY	ARROW.	JUBURIOU
	AREHA	人	k
		*17	PLIL FRE
#121		DOAL	
DRILLERS REMARKS			17702

NLY	DATA SOURCE	4	58	CONTRACTOR	59-62	DATE	SEP	1	8	1987	63-64	80
USE OF	DATE OF	INSPECTION			INSPECTOR							
OFFICE U	REMARK:	.	• -	و د دود دوس			Market of the Section	-(CS:	s.es		
		4					FOR	M N	10. 0	506 (11/8	36) FOR	м 9

The Ontario Water Resources Act

FORM NO. 0506 (11/86) FORM 9

WATER WELL RECORD

2702616 1. PRINT ONLY IN SPACES PROVIDED 2. CHECK X CORRECT BOX WHERE APPLICABLE COUNTY OR DISTRICT TOWNSHIP, BOROUGH, CITY LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) DEPTH - FEET OTHER MATERIALS GENERAL DESCRIPTION SAND GRAVEL 15 200 31 32 51 **CASING & OPEN HOLE RECORD** 41 **WATER RECORD** SCREEN WATER FOUND AT - FEET DEPTH □SULPHUR □MINERALS □GAS 1 DSTEEL
2 GALVANIZED
3 CONCRETE
4 COPEN HOLE
5 PLASTIC 180,,,, 1 | FRESH 61 **PLUGGING & SEALING RECORD** Z SALTY DEPTH SET AT . FEET MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.) STEEL GALVANIZED FRESH SALTY 1 STEEL
2 GALVANIZED
3 CONCRETE
4 OPEN HOLE
5 PLASTIC 25-28 1 | FRESH 27.30 Z 🗌 SALTY 1 | FRESH 26-29 30-33 LOCATION OF WELL 2 | BAILER IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW. WATER LEVEL END OF PUMPING ☐ CLEAR RECOMMENDED PUMP TYPE ☐ SHALLOW SETTING 150-180 WATER SUPPLY ABANDONED, INSUFFICIENT SUPPLY **FINAL** PARK ST. **STATUS** ☐ TEST HOLE ☐ UNFINISHED OF WELL RECHARGE WELL 9 DEWATERING DOMESTIC COMMERCIAL ≥ □ STOCK € ☐ MUNICIPAL WATER ☐ IRRIGATION PUBLIC SUPPLY WELL USE INDUSTRIAL COOLING OR AIR CONDITIONING OTHER • □ NOT USED CABLE TOOL 6 BORING METHOD ROTARY (CONVENTIONAL)
ROTARY (REVERSE) DIAMON! _ JETTING 748 OF CONSTRUCTION DRIVING PERCUSSION OTHER DIGGING DRILLERS REMARKS WELL CONTRACTO LICENCE NUMBER DATA SOURCE ONLY RIER LAMING SEP 1 8-1987 1748 DATE OF INSPECTION OFFICE USE REMAPES 7-0/12 CSS.ES



Ontario	ironment		11	27026	42	MUNICIP	CON,		
COUNTY OR DISTRICT		ECT BOX WHERE APPLICABLE TOWNSHIP, BOROUGH, CITY, To	OWN, VILLAGE	· · · · · · · · · · · · · · · · · · ·	CON. B	10 14 LOCK, TRACT, SURVE			22 23 74 LOT 25-27
IHAIII	RUPTON	NYBART		1/	8		DATE COMP	LETED	17 3°°C 7
		SO X	646	ELEVATION	OH	MASIN CODE	DAY_C	3 MO 07	<u> </u>
1 2	12	17 14	24 25] [161-1-1-	30	31	1 1 1		1 1 4 47
	LC Most	OG OF OVERBURDEN A		OCK MATERIA				DEPTH	- FEET
GENERAL COLOUR	COMMON MATERIAL	OTHER MATER			GENERAL	DESCRIPTION		FROM	10
	LROW	GRAVEL						18	78
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31	<u>. </u>					111111		<u> </u>	!
32	14 15	32	لبلبليا	43			1 4	1111	75 60
41 WATER FOUND	TER RECORD	51 CASING & OF		RECORD	SIZE (S)		31-33 DIAME		ENGTH 39-40
AT - FEET	FRESH 3 SULPHUR	DIAM MATERIAL T INCHES	HICKNESS	RCM TO 13-16		AL AND TYPE	1	DEPTH TO TOP OF SCREEN	41-44 30
3/10 2	6 □GAS	1 USTEEL 2 GALVANIZED 3 CONCRETE	KS	24	61	PLUGGIN	C P. CEAL	INC PECC	FEET]
2 0	SALTY 4 MINERALS 6 GAS FRESH 3 SULPHUR 24	5 □ PLASTIC	100 C	J 5 7		T AT - FEET	MATERIAL AND	TYPE (CEME	NT GROUT.
2	SALTY 4 MINERALS 6 GAS	2 □ GALVANIZED 3 □ CONCRETE 4 □ OPEN HOLE 5 □ PLASTIC			10-13	14 - 17	redittants to the		
2 [SALTY 6 GAS	Z4-Z5 1 □STEEL 26 2 □ GALVANIZED		27-30	18-21				
, , , , ,	FRESH 3 USULPHUR 34 PO 1 SALTY 6 DGAS	3 □ CONCRETE 4 □ OPEN HOLE 5 □ PLASTIC			26-29	30-33 80			
71 PUMPING TEST MET	THOD 10 PUMPING RATE	11-14 DURATION OF PUMP 15-16 GPM HOURS	17-18 MINS		LC	CATION O	F WEL	L	
STATIC LEVEL	WATER LEVEL 25	EVELS DURING 1 PU	IMPING	IN DI LOT L		V SHOW DISTANCE CATE NORTH BY A		FROM ROAD A	N D
TEST	280 225	30 MINUTES 45 MINUTES	60 MINUTES			ŀ			
	38-41 PUMP INTAKE	SET AT WATER AT END OF	TEST 42						
IF FLOWING. GIVE RATE RECOMMENDED PU			2 CLOUDY						
SHALLOW	DEEP PUMP	00-3560 PUMPING 6	GPM						•
FINAL	54 , WATER SUPPLY	s ABANDONED, INSUFFIC	CIENT SUPPLY			P	ARK	ST	
STATUS OF WELL	2 OBSERVATION WELL 3 TEST HOLE 4 RECHARGE WELL	, UNFINISHED	JALITY	>	KIT				
	5-56 1 DOMESTIC	9 DEWATERING 5 COMMERCIAL			' '-+	1 .			
WATER USE	2 STOCK 3 IRRIGATION 4 INDUSTRIAL	■ ■ MUNICIPAL 7 □ PUBLIC SUPPLY ■ □ COOLING OR AIR CONDITIO	ONING			lis			
	OTHER	9 ☐ NOT US	SED			M			0
METHOD OF	CABLE TOOL ROTARY (CONVENT ROTARY (REVERSE		710			12/	JILLE	16E	o +
CONSTRUCTION	,	DIGGING	145	DRILLERS REMAR	RKS:		HAI	196	80
1 1 (1)	CONTRACTOR		ONTRACTOR'S	DATA	SE CON	TRACTOR 59-62	DATE RECEIVED OCT		63-64 80
NAME OF WELL	#2 115 WEDUS	1BUNTON	1/40	SOURCE DATE OF INSPI	ECTION	INSPECTOR	UUI	J 1 150	•
NAME OF WELL	L TECHNIOTON	·/	ECHNICIAN'S	O REMARKS					******
SIGNATURE OF	TECHNICIAN/CONTIACTOR	SUBMISSION DATE	1/2	OFFICE					
	or THE ENVIRONM		YR	0			FO	CSS.	ES 11/86) FORM 9



Ontario Environment		2702837 [2,7,0,0,6]	1 1 1
	ECT BOX WHERE APPLICABLE 1 2	2/02897 2,7,0,0,6 15 CON BLOCK TRACT, SURVEY ETC	22 23 74 LOT 25-27
COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY TOWN, VILLAGE	CON , BEOCK, TRACT, SOAVET CYC	8 16
		DAY	3 No 0 7 v 88
	ING RC.	ELEVATION RC BASIN CODE "	
10 12	OG OF OVERBURDEN AND BEDROO	CK MATERIALS (SEE INSTRUCTIONS)	47
CENERAL COLOUR MOST	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM TO
COMMON MATERIAL	CLAY GRAVEL	,	0/2
RIMMY ORANITE	Chry, Signal		12 460
CREV			
3,70			
6	*		
	1		
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		!	
31			
32	12		75 80 AMETER 34-38 LENGTH 35-40
WATER FOUND KIND OF WATER	CASING & OPEN HOLE R	ECORD SIZE ST OF OPENING 31-33 DI	AMETER 34-38 LENGTH 39-40
AT - FEET RING OF WATER	DIAM MATERIAL THICKNESS INCHES FRO	M TO STATE MATERIAL AND TYPE	DEPTH TO TOP 41-44 30 OF SCREEN
2 SALTY 4 MINERALS 6 GAS 19 FRESH 3 SULPHUR 19	2 GALVANIZED 3 CONCRETE 4 COPEN HOLE 5 DPLASTIC	S 2 61 PLUGGING & SE	
2 SALTY 4 MINERALS 6 GAS 20-23 1 FRESH 3 SULPHUR 24	17-18 1 D STEEL	20-23 DEPTH SET AT - FEET MATERIAL OF THE PROMETOR OF THE PROM	CEMENT GROUT
2 SALTY 6 GAS 25-26 1 FRESH 3 GSULPHUR 29	2 □ GALVANIZED 3 □ CONCRETE 4 □ OPEN HOLE 5 □ PLASTIC	10-13 14-17	
2 SALTY 6 GAS	24-25 1 DSTEEL 26 2 DGALYANIZED 3 DCONCRETE	27-30 18-2 22-25 26-29 30-33 80	
1 FRESH 3 SULPHUR 24 MINERALS 2 SALTY 6 GAS	4 □ OPEN HOLE 5 □ PLASTIC		
71 PUMPING TEST METHOD 10 PUMPING RAT	GPH DURATION OF PUMPING 15-16 17-18 HOURS MINS	LOCATION OF WE	LL
STATIC WATER LEVEL 25 LEVEL PUMPING WATER	LEVELS DURING 1 PUMPING RECOVERY	IN DIAGRAM BELOW SHOW DISTANCES OF WE'LOT LINE INDICATE NORTH BY ARROW.	LL FROM ROAD AND
15 HINUTES 4 15 MINUTES 4 15 MINUTES	30 MINUTES 45 MINUTES 60 MINUTES	3.	
	SET AT WATER AT END OF TEST AZ	32	
IF FLOWING. GIVE RATE OPM RECOMMENDED PUMP TYPE PUMP RECOMMENDED		85	
SO-53	PUMPING FEET RATE GPM	8000	į
FINAL S4 WATER SUPPLY	■ ABANDONED, INSUFFICIENT SUPPLY	TAKIBUSH OLO BUCKE	<u>, </u>
STATUS OF WELL 2 OBSERVATION WE 3 TEST HOLE 4 RECHARGE WELL	LL . ABANDONED POOR QUALITY 7 UNFINISHED 9 DEWATERING	4 / 6	Je J
SS-30 DOMESTIC	5 COMMERCIAL	,	Fo
WATER 2 STOCK 3 IRRIGATION 4 INDUSTRIAL	● ☐ MUNICIPAL ↑ ☐ PUBLIC SUPPLY ■ ☐ COOLING OR AIR CONDITIONING	\subseteq	
OTHER	9 □ NOT USED ·	1	12 miles
METHOD OF 1 CABLE TOOL 2 ROTARY (CONVEN	The state of the s		Y 21707
CONSTRUCTION ROTARY (REVERS	9 DRIVING DIGGING DOTHER	DRILLERS REMARKS	\ 31797
NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S		T 1 8 1988 ""
E CENNS DEBLEK	LK/C/N3 1748	O DATE OF INSPECTION INSPECTOR	1 1 4 1004
NAME OF WELL TECHNICIAN NAME O	BURTON WELL TECHNICIAN'S	O AEMAPAS	
SIGNATURE OF PECHNISMAN CONTRACTOR	SUBMISSION DATE	OFFICE	
TI Colle	DAY MO YR	Ö	CSS.ES



Ontario	1. PRINT ONLY IN S	SPACES PROVIDED ECT BOX WHERE APPLICABLE	11	27	0290	10	2,7,0,0,6	CON.	1 1 1 1	22 23 74
COUNTY OR DISTRICT		TOWNSHIP, BOROUGH, CIT	Y, TOWN, VILLAGE			CON . BLOCK	K, TRACT, SURVEY		8 1	7.18
		<u> </u>	18110	To	010	INIT		DAY DAY	Mo 1	. 28 .
				- \	ATION		N CODE			
1 2	u 10 12	OG OF OVERBURDE	N AND BEDRO	OCK M	ATERIAL	S (SEE INSTRU	ections)			
GENERAL COLOUR	MOST	OTHER MA				GENERAL DE			DEPTH -	FEET TO
	CRANTE								170	360
	(1) 200	-/	- h 0 F		$ \prec $					
	well	de	per	121	<u>/ </u>					
31				سا ل	ЩЦ	ساليلا	علبلب	ـــا لـــــــــــــــــــــــــــــــــ		
32	14 15			7500		SIZE:SI OF	OPENING	31-33 DIAMETE	R 34-38 LE	75 60 NGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	51 CASING 8	WALL THICKNESS	DEPTH .		Z ISLOT NO I	AND TYPE		INCHES DEPTH TO TOP	FEET 41-44 30
10-11	FRESH 3 SULPHUR SALTY 4 MINERALS 6 3AS	10-11 1 D STEEL 2 D GALVANIZED	INCHES 12	ROM	13-16	SC			OF SCREEN	FEET
1	FRESH 3 SULPHUR 19 A 1 MINERALS SALTY 6 GAS	3 □ CONCRETE 4 □ OPEN HOLE 5 □ PLASTIC				61	PLUGGIN	G & SEAL		
20-23 1	FRESH 3 SULPHUR 24 SALTY 6 GAS	17-18 1	19		20-23	DEPTH SET A	10	MATERIAL AND		IT GROUT.
25-26 1	FRESH 3 SULPHUR 29 SALTY 6 GAS	4 □ OPEN HOLE 5 □ PLASTIC 24-25 1 □ STEEL	26		27.30	18-21	22-25			
30-33	FRESH 3 SULPHUR 34 H MINERALS SALTY 6 GAS	2 GALVANIZED 3 CONCRETE 4 COPEN HOLE 5 PLASTIC				26-29	30-33 80			
71 PUMPING TEST N			F PUMPING 15-16 17-11			LOC	CATION	F WELL	-	
STATIC	WATER LEVEL 25		HOURS MINS		IN DIA	GRAM BELOW S	SHOW DISTANCE	ES OF WELL F	ROM ROAD A	ND
TEST "	PUMPING	S 30 MINUTES 45 MINU	RECOVERY TES 60 MINUTES	7						
IF FLOWING.	EET SEET PUMP INTAK	30 (i) 300 WATER AT	PEET A					0.015	Γ	
IF FLOWING. GIVE RATE RECOMMENDED	GPM SECOMMEND	FEET 1 CLE	V	,			\sim	AIN S		
0. □ SHALL	OW DEEP PUMP	PUMPING FEET RATE	GPM)		+17	all Burit
FINAL	WATER SUPPLY	S ABANDONED. IN		1			رم		grant was	4.
STATUS OF WELL	1 2 1237	7 UNFINISHED	OOR QUALITY				0×).	\circ		
	DOMESTIC 2 STOCK	5 COMMERCIAL 6 MUNICIPAL					78			
WATER USE	3 IRRIGATION 4 INDUSTRIAL	7 PUBLIC SUPPLY © COOLING OR AIR CO	ONDITIONING NOT USED							
	57 CABLE TOOL	• 🗆 BORIN		$\frac{1}{2}$			DX)			
METHOD OF	2 G ROTARY (CONVE	NTIONAL) 7 🔲 DIAMO	ND IG						31	791
CONSTRUC	AIR PERCUSSION	I DIGGII	NG DOTHER		LERS REMAR		1	2 DATE RECEIVE		63-68 80
	LL CONTRACTOR	DEICLING	ELL CONTRACTOR	ONLY	DATA SOURCE	17	748	OCT	1 8 198	8
AUDHESS TO	#2 HA	ALBIRTO	\mathcal{N}	SE	DATE OF INSP	ECTION .	INSPECTOR			
CONTRACTOR	OH HOLL	Y	VELL TECHNICIAN'S	ICE U	REMARKS					
SIGNATURE	OF TECHNICIAN / EONE ACTOR	SUBMISSION DAT	е мо YR	OFFICE					CSS.E	S
LL								50	DEA NO DEDE	11 /86) FORM 9

MINISTRY OF THE ENVIRONMENT COPY

The Ontario Water Resources Act

Environment	VVA I	EK WE			
_	Y IN SPACES PROVIDED CORRECT BOX WHERE APPLICABLE 1 2	2704266	27006	ON	108
COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN VILLAGE	CON . E	LOCK, TRACT, SURVEY ETC	9~/	1%7.27
	5/4/2/		O. BLK. I	COMPLETED	16.
	x 1040 Ho	liberton Kon	7150 DAY-		2 yr.91
1 2 M 10 12	ING RC	ELEVATION RC	BASIN CODE II	1 1 1 1	ليتنا
	LOG OF OVERBURDEN AND BEDRO				
GENERAL COLOUR NOST COMMON MATERIAL	OTHER MATERIALS	GENERAL	DESCRIPTION	DEPT+ FROM	TO TO
BLK Topsoul		50 F	τ	0'	1'
Redolphite Grante	1.	med.	om'	1'	115
RIK. Gleen Gran To	Mica	mod	iom	110	125'
White Brante	Quarts	med	1,00	125'	1901
Ed-Ak Gear. Te		modi	y Lan	190'	250
White Brante		medi	·	250	300
RodoBIK Grante		m-di	01-	300'	365
Green-Rad Granto	Quest - Mica	medi	<u> </u>	365'	378
		· ·			
					1,
					-
	+1 1 1 1 1 1 1 1 1 1		11111	111	
31	<u> </u>		<u> </u>		
41 WATER RECORD	51 CASING & OPEN HOLE	RECORD Z SIZE(S)		55 DIAMETER 34-38	75 80 LENGTH 39-40
WATER FOUND KIND OF WATER	INSIDE WALL DIAM MATERIAL THICKNESS	DEPTH - FEET	AL AND TYPE	INCHES DEPTH TO TOP	FEET 41-44 30
120' 2 FRESH 3 SULPHUR A SALTY 4 MINERALS 6 GAS	10-11 12	13-16 O MATERI		OF SCREEN	FEET
15-13 FRESH 3 DSULPHUR		0 22 61	PLUGGING & S	EALING REC	ORD
36 S SALTY 6 □GAS 20-23 1 □ FRESH 3 □ SULPHUR	717-18 1 STEEL 19	20-23 OLPTH SE	T AT - FEET MATERIA		ENT GROUT PACKER, ETC)
2 SALTY 4 MINERALS 6 GAS 25-28 1 FRESH 3 SULPHUR	3 □ CONCRETE 4 □ OPEN HOLE	010-1	20 100 Ben	seal	
Z ☐ SALTY 6 ☐ GAS	1 DSTEEL	27-30 18-2	1 22-25		
30-33 1 FRESH 3 SULPHUR 4 MINERALS 2 SALTY 6 GAS	3 □ CONCRETE 4 □ OPEN HOLE 5 □ PLASTIC	26-2	30-33 80		<u>.</u>
71 PUMPING TEST METHOD		LO	CATION OF W	ELL	:
STATIC WATER LEVEL 25	GPM HOURS MINS		N SHOW DISTANCES OF W CATE NORTH BY ARROW.	ELL FROM ROAD	AN D
19-21 POMPING 19-21 22-24 15 MIN	4 AC RECOVERY	to the mo	Λ .		
) FEET 100 FEET 75 FEET 30 FEET		NN		
IF FLOWING. GIVE RATE GPM RECOMMENDED PUMP TYPE RECOMM	TAKE SET AT WATER AT END OF TEST 42 OFFEET 1 ★ CLEAR 2 □ CLOUDY		•		
RECOMMENDED PUMP TYPE RECOMM PUMP SETTING	PUMPING 0 -			0/6	i
50-53	350 ((())				
FINAL WATER SUPP	-	1 7 /2/3	of a well		
STATUS OF WELL OF WELL OF WELL OF WELL	7 UNFINISHED	1 12 13		,	,
55-56 1 DOMESTIC	5 COMMERCIAL 6 MUNICIPAL	10-0	alven ay		
WATER 3 IRRIGATION USE 4 INDUSTRIAL	7 DUBLIC SUPPLY COOLING OR AIR CONDITIONING	//>/-	20 23 4	0/5	
OTHER	9 NOT USED	/ 3 ⁱ /		1-	
METHOD CABLE TOOL CABLE TOOL CO	NYENTIONAL) 7 🔲 DIAMOND				
OF CONSTRUCTION ROTARY (RE ROTARY (AIR	9 DRIVING			88	3106
NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S		NTRACTOR 59-62 DATE REG	CEIVED	63-68 80
	lell Walling 5020	SOURCE	_	EC 3 0 199	i i
ADDRESS Goodenha	h	<u> </u>	MARELTOR		·
ADDRESS NAME OF WELL TECHNICIAN SIGNATURE OF TECHNICIAN/CONTRACT	WELL TECHNICIAN'S LICENCE NUMBER	REMAPKS			
SIGNATURE OF TECHNICIAN/CONTRACT	FOR SUBMISSION DATE	OFFICE		CSS	.ES
	DAY 30 MO. 12 YR.91	J 🖳		FORM NO. 0506	

The Ontario Water Resources Act

WATER WELL RECORD

Ontario Environment Ontario	SPACES PROVIDED 11	2704555 27006 201 08
2 CHECK ⊠ CORI	TOWNSHIP, BOROUGH CITY, TOWN, VILLAGE	10 14 15 27 23 2 CON LOCK, TRACT, SURVEY ETC LOT 25-27
	sa FT.	DATE COMPLETED N. 45-53
	DOX 780 He	Slibutton Ord. KOM ISO DAY 3 NO May VR 93
1 2 M 10 12	OG OF OVERBURDEN AND BEDRO	CK MATERIALS COST WENDERLONG
GENERAL COLOUR COMMON MATERIAL	OT OVERBURDEN AND BEDRO	GENERAL DESCRIPTION GENERAL DESCRIPTION FROM TO
		Thom 10
Note -	Hydro Froc ex	siring well of approx 200ff
	indepth. Cosin	y length approx 26 ft in length
	Packer Setting	60 A.
	3200 gal word!	· pumped out Traduces
	max pressure	1700/61
	min prossure	600 b (.
31		
41 WATER RECORD	51 CASING & OPEN HOLE	4.5 54 65 75 80 SIZE(S) OF OPENING 31.33 DIAMETER 34.38 LENGTH 39.40
WATER FOUND AT - FEET KIND OF WATER	DIAM MATERIAL THICKNESS INCHES FE	DEPTH - FEET UNCHES FEET ROM TO OF SCREEN AT STATES OF THE STATES OF SCREEN TO OF SCREEN TO OF SCREEN
UNLOW SALTY 6 GS GSULPHUR 5 GS	1011 Distell 12 Converte 188	FEET
SALTY 4 DMINERALS SALTY 6 GAS 20.23 1 FRESH 3 SULPHUR	1718 DESTEEL	Depth Set at - FEET MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
2 SALTY 6 GAS 25 28 FRESH 3 SULPHUR	2 GALVANIZED 3 CONCRETE 4 COPEN HOLE 5 PLASTIC	15-13 12-13
Z SALTY 4 MINERALS 30-31 FRESH 3 SULPHUR 34 SU	24-25 STEEL 26 26 27 26 27 26 27 26 27 26 27 27	27-30 ta-21 22-25 25-29 30-33 80
2 SALTY 6 GAS	5 □ PLASTIC	
WATER LEVEL 25	. O GPM 15-16 O 17-19 MINS	LOCATION OF WELL IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND
LEVEL END OF WATER L	2 RECOVERY 30 MINUTES 45 MINUTES 60 MINUTES	4 LOT LINE INDICATE NORTH BY ARROW
UN IF FLOWING. SE 41 PUMP INTARE	B 30 MINUTES 45 MINUTES 60 MINUTES COMMINUTES SET AT WATER AT END OF TEST 42	Huy#118 Horburn
FEET FEET FEET FEET FEET FEET FEET FEET	FEET 1 CLEAR 2 CLOUDY D 43-45 RECOMMENDED 45-49	
SHALLOW DEEP PUMP SETTING	190 FEET RATE H.O GPM	LL 17 - 1
FINAL WATER SUPPLY	5 ABANDONED, INSUFFICIENT SUPPLY	Village
STATUS	L 6 ABANDONED POOR QUALITY 7 UNFINISHED DEWATERING	1 Hwy # 121
WATER DOMESTIC	5 COMMERCIAL 6 WMUNICIPAL	11149 #= 121
USE IRRIGATION INDUSTRIAL OTHER	7 ☐ PUBLIC SUPPLY 3 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED	
METHOD : CABLE TOOL	5 D BORING TIONAL) 7 D DIAMOND	
OF ROTARY (REVERSE CONSTRUCTION AIR PERCUSSION) IETTING 9 DRIVING	DRILLERS REMARKS 128645
NAME OF WELL CONTRACTOR	☐ DIGGING ☐ OTHER WELL CONTRACTOR'S LICENCE NUMBER	DATA 58 CONTRACTOR SSAZ DATE RECEIVED 63 68 40
E Donns (Dolowood)	15D 1748	A PATE OF PASPECTION SPECTION SPECTOR
ADDRESS ADDRESS NAME OF WELL TECHNICIAN O DO TECHNICIAN TONTRACTOR SIGNATURE OF TECHNICIAN TONTRACTOR	ON KOMISO WELL TECHNICIAN'S LICENCE NUMBER	REMAPAS COULD HOT LOCATE ORIGINAL WATER
Signature of technician contractor	SUBMISSION DATE	WELL RECORD, JUNE 3/93, 48.
MINISTRY OF THE ENVIRONI	DAY 25' MO. Mayre 93	CSS.ES FORM NO. 0506 (11/86) FORM 9

The Ontario Water Resources Act

WATER WELL RECORD

	SPACES PROVIDED	2704739	MUNICIP CON.	.w h8
Z CHECK 🗵 COR	TOWNSHIP BOROUGH CITY, TOWN, VILLAGE	CON B	LOCK TRACT, SURVEY ETC	22 23 24 LOT 25-27
	7	8	DATE COM	
	MACOMISE	HUE SPRINGS	BASIM EDDE II	18 MOD VR94
1 2 N 10 12	OG OF OVERBURDEN AND BEDRO	SCK WATERIALS	31	47
GENERAL COLOUR COMMON MATERIAL	OG OF OVERBORDEN AND BEDRO		DESCRIPTION	DEPTH - FEET
BA TORSON				FROM TO
BR SAND				1 17
GR CLAY				17 41
GR GRANITE				41 80
	•			,
	Market State Control of the Control			
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			<u> </u>	
31		با ليليللينيا		
41 WATER RECORD	51) CASING & OPEN HOLE	43 54 SIZE (S)	OF OPENING 31-33 DIAM	75 80 ETER 34-38 LENGTH 39-40
WATER RECORD WATER FOUND AT - FEET KIND OF WATER	INSIDE WALL THICKNESS	DEPTH - FEET	O 1	INCHES FEET DEPTH TO TOP 41-44 30
7 LO-13 FRESH 3 SULPHUR 14 MINERALS 6 GAS	1 10-11 11 STEEL 12 188 C	50"		OF SCREEN
15-18 1 FRESH 3 SULPHUR 19 4 MINERALS 5 GAS	3 CONCRETE 4 OPEN HOLE 5 PLASTIC 17-18 19	61	PLUGGING & SEA	
20-23 FRESH 3 SULPHUR 24 4 MINERALS 5 G GAS	1 STEEL 2 GALVANIZED	FROM	TO MATERIAL AN	LEAD PACKER, ETC.)
25-28 1 FRESH 3 SULPHUR 25 4 MINERALS 2 SALTY 6 GAS	5 PLASTIC 26 2 GALVANIZED	50 80 0 10-13 27-30 0 16-21	20 BENTO	NIFE
30-33 FRESH 3 SULPHUR 34 C 2 SALTY 6 GAS	3 CONCRETE 4 COPEN HOLE 5 PLASTIC	26-29	30-33 80	
71 PUMPING TEST METHOD 10 PUMPING RAT	15-16 17-18	L O	CATION OF WEL	.L
STATIC WATER LEVEL 25 LEVEL END OF WATER L	EVELS DURING HOURS HINS LEVELS DURING RECOVERY		SHOW DISTANCES OF WELL TATE NORTH BY ARROW.	FROM ROAD AND
19-21 22-24 15 WINUTES 24-2	29-31		/ i	16 HLAND
Z IF FLOWING. 38-81 PUMP INTAKE	SET AT WATER AT END OF TEST 42	2122		ST
RECOMMENDED PUMP TYPE RECOMMENDE PUMP STYLING USETTING US	D 43-45 RECOMMENDED 46-49	HARBURN		
SHALLOW DEEP SETTING	FEET RATE GPM	1 3	:	
FINAL WATER SUPPLY STATUS TO SERVATION WE				
OF WELL 4 RECHARGE WELL	7 UNFINISHED DEWATERING	PARK	1	
WATER DOMESTIC STOCK STOCK DOMESTIC DOMESTIC	5 COMMERCIAL 6 MUNICIPAL 7 PUBLIC SUPPLY	ST	No.	
USE 4 INDUSTRIAL OTHER	OCOLING OR AIR CONDITIONING ONOT USED		HIWAYIIB	HALIPHRTON
METHOD CABLE TOOL CONVEN		()		
OF 1 ROTARY (REVERSE CONSTRUCTION 1 ROTARY (AIR)	DIGGING OTHER			139021
NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S	DATA 58 CON	TRACTOR 53-62 DAYE RECEIVE	D 63-68 80
THE LIBURION THE LANGE	LURILLERS 6016	DATE OF INSPECTION	016 MAR	1 6 1994
ADDRESS BOX 423 HALI NAME OF WELL TECHNICIAN/CONTRACTOR SIGNATURE OF TECHNICIAN/CONTRACTOR	BURTON KOMISO WELL TECHNICIAN'S LIGHT MEER TO NUMBER	W O REMARKS		
SIGNATURE OF TECHNICIAN/CONTRACTOR	SUBMISSION DATE	OFFICE		
MINISTRY OF THE ENVIRONI	DAY 25 NO 02 YR 94	0	F	CSS.ES DRM NO. 0506 (11/86) FORM 9

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Municip	ality	Con.					
270	106	COL	H 1	1	1	0	8
10	14	15			22	23	24

County or District			Township/Bor					Con block	tract survey	, etc. Lo	ot / 1/25-27
			Address	SART				8	Date	24 0	25 96
				2 A/ lorthing	44/13	URTO RC Eleva	U O N 7	KOM ISO Basin Code	completed ii	day m	nonth year
21	T : 1 M 10		1/ 18	<u> </u>	24	25 26		31			47
General colour	Most common materi		VERBURDEN A	ND BEDR	OCK MA	TERIALS		description			pth - feet
			· · · · · · · · · · · · · · · · · · ·							From	23
BROWN	SAND GRAU EY GRANITH	- EL Y E	SOULDET	<u> </u>	XIV	K E				23	160
KEDICKE	= Y GRANITI	-									
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NOTE: S	AND PAR	ricus	028	-30	FT	LEVE					
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31	1		1	1,1.1	1					. ' 1 1	
32		11-4 i . 1-1-1 i i .	٠٠٠ - ٠٠٠ ـــــــــــــــــــــــــــــ	_ <u>L.ı.L.ı.</u>	<u></u>	<u> </u>				;	
41 WATE	ER RECORD 21	51 Inside		Wall	RECORI Depth		Sizes of c (Slot No.)		Diameter		
at - feet	Kind of water	diam inches		inches	From	To 13-16	K (Slot No.)	nd type		Depth at top	of screen 30
28 = -	Salty 6 Gas	15	Galvanized	188	Q	25	Ö				feet
150 0	Salty Gas	./ 3 5	Plastic			56~53	61 /	PLUGGING Annular space	& SEALIN	G RECOF	
	Fresh 3 G Sulphur 24 Salty G Gas	3 🗆	Galvanized Concrete Open hole				Depth set at -	feet	ial and type (Ce		
	Fresh 3 Gulphur 29 Salty 4 Gulphur 29 Salty 5 Gas	24.25 1 🗆	Plastic Steel 26			27.50	010-13	25 6	BENTO	リノブご	
30 33 1 🔲	Fresh 3 Sulphur 34 60 Salty 4 Minerals Gas	3 [26.29	30-33 80		\	
		11-14 Di	Plastic uration of pumping					.,		}	
Pumping test met	Bailer 8	GPM	Hours				below show			ad and lot	line.
Static level end	d of pumping Water levels			recovery ninutes	N	Indicate no	orth by arrow.	40	ţ	_	A .
TEST 16et 1	S S S S S S S S S S S S S S S S S S S	6 0 ai	5 /62-34 feet	4 8 ⁵⁻³⁷ feet	1	+6	1. burdon	1	110) 00	*
If flowing give rate Hecommended po	GPM Pump intake set	feet		Cloudy		,) Hoy	,*	TA II	uy#	, <i>i</i>
	Pump type Recommended pump setting	pι	ecommended ump rate	46 49 GPM		Hunt	-12 (0	
56-53) feet		GFW			, ,		+-		
FINAL STATUS Water supply Observation	ny 5 ☐ Abendoned, n well 6 ☐ Abendoned,	poor duality	ly 9 D Unfinished	nt well	۱,۸	_) 0.4	، ل	175	W.	71.6
₃ ☐ Test hole ₄ ☐ Recharge w	/ Li Ablandoned	(Other)	1300	مرا	N (^	-					
WATER USE	55: 56 5 Commercial		g ☐ Notused								s the
☐ Stock☐ Irrigation☐ Industrial	6 ☐ Municipal 7 ☐ Public supp 8 ☐ Cooling & ai		10 Other,							()	mt
	ONSTRUCTION 57					ł	Mountein S	7.7 150°	7 4 10	, _	1214
Cable tool	5 ☑ Air percussi	on	9 Driving 10 Digging					well 60	7 1110	ac Mue	
□ Rotary (rev. □ Rotary (air)	verse) , 🗍 Diamond) , Jetting		11 Other					,	8 168	3084	
Name of Well Contrac			Well Contractor's I		Data sour		58 Copheceter	110	59-59 Date rece		63-68 80
Address	DEBLER ORILL				Date	of inspection		nspector	OC.	31	1996
RR2 H	ALIBURTON,	ONT.	KOM IS Well Technician's	Licence No.	Rem	arks					
1	S DEBBER		Submission date	33	MINISTRY US					Cee :	E.a
Signature of Septiment	and Ilda		day mo	yr	Ē			\ .		CSS.1	ES Front Form 9
2 - MINISTRY	OF ENVIRON	MENT &	ENERGY	COPY							. IOIR FORM 9

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2705285

Municipality Con.

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		Address Box	Northing i i i i i ii	ALIBUR RO EL		Date completed	day ii	9 9 7
General colour	LOG		Northing i i i i i ii			Basin Code		iv
General colour	LOG		18	and the second second second second				
Br			AND BEDRO	OCK MATERIALS	S (see instructio	11		- 4/
		Othe	r materials		General d		From	epth - feet To
	TOPSOIL						-0	3.5
	GRANITE						3.5	300
31 , ,						السليك		
32	14.15	32		43	54	pening 31-33 Diamo	eter 34-38 Lei	75 ngth 39
41 WA	TER RECORD 51		Wall thickness	Depth - feet	Sizes of or (Slot No.)	bening Diam	inches	fer
at – feet	Kind of water diam inche	s Steel 12	inches	From To 2013-	Material ar	nd type	Depth at to	op of screen
2 [Salty & Gas Fresh & Sulptur Minerals Minerals	Galvanized Galvanized Goncrete Goncrete Goncrete	1,00					feet
' -	Gas Gas			20		PLUGGING & SEA Annular space	Abandor	
2 [☐ Fresh 3 ☐ Sulphur 24 ☐ Minerals ☐ Salty 6 ☐ Gas ☐	Galvanized Goncrete Open hole		20 300	Depth set at -	To Material and type	e (Cement grout,	bentonite, etc
25-28 ; [☐ Fresh 3 ☐ Sulphur 29	5 Plastic 25 Steel 26 2 Galvanized		27	\dashv $\mid \alpha \mid Z$	O CEMEN	VT	
	☐ Fresh 3 ☐ Sulphur 34 60 ☐ Salty 6 ☐ Gas	Goncrete Goncrete Goncrete Goncrete Goncrete Goncrete Goncrete Goncrete Goncrete			26-29	30 33 80	-	
	Water level end of pumping 22-24 15 minutes 30 minut 22-24 15 minutes 30 minut 26-28 4 Tate 58-41 GPM Recommended pump type Recommended pump setting	Pumping 2 tes 29.31 feet 37 feet Water at end of te Dear Recommended pump rate	60 minutes 35-37 1 feet 1 Cloudy 46-49	In diag		CATION OF WELL distances of well from	m road and lo	
FINAL STATU 1 Tater st 2 Observa 3 Test hol	supply 5 Abandoned, insumi ration well 6 Abandoned, poor q role 7 Abandoned (Other)	cient supply 』 ☐ Unfinis uality 10 ☐ Replace	shed cement well		omer		<i>IPR</i> BU	RNRI
WATER USE 1 Domes 2 Stock 3 Irrigatio	on / Li Fublic supply		sed		3	1	1	HALLE
. □ Cable t	/ (conventional) 6 ☐ Boring / (reverse) 7 ☐ Diamond	9 ☐ Drivin 10 ☐ Diggir 11 ☐ Other			Hiu	(811 KAN	1814	87
Name of Well Co	MARTESIAN LELL DRI	LERS 601		Oata source Date of inspec	S8 Contracctor 6	. 4 0	SEP 1 9	1997
Name of Well Tec	chnician Contractor	Well Technic Submission of	date	Remarks			_	A

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2705364

Municipality	Con.	_
27006	CON	08
<u> </u>	45	22 23 24

:				2 Porough/City/Te	ωσΛεllα	ne .		Con bloc	k tract surve	y, etc.	Lot o	7 25-27
County or District			_ `	Sorough/City/To	- WIIIV VIIIB			8			17	
Owner's surname	28-47	First name	Address			DUD -	N KOP	,,(Date completed	15 day	/ O month	48-53 7 year
	F MONTR	u Zone Eas	iting	Northing	AL.	RC Eleva	ation RC	Basin Code		iii ! i .L.	1 :	iv
21		I OG OF	OVERBURDEN	AND BEDF	ROCK	AATERIALS	(see instructi	ons)				47
General colour	Most commo			er materials				description		From	Depth -	- feet To
	- A. A									Đ	1	7
Br	SAND									1-	26	4
<u> </u>	SILT DOLOM 17	-16								64	2	60
WHITE	DOLONI											
										ļ		
										_		
										-		
												
31			بسبا لسا								. .	∐ لــ ۱۱۱,
	14 15 21		CASING &	OPEN HOL	F RECO	DRD	54 Sizes of C	pening	31-33 Diamete	34-38	Length	75 80 19-40
Water found	ATER RECORD Kind of water	51 Inside diam	Material	Wall thickness	De	pth - feet	(Slot No.) Material a			inches		feet
	Fresh 3 Sulpho	inches 10-11	1 Gteel 12 2 Galvanized	inches	From	13-16	Material a	and type		Depth a	at top of s	41-44
	☐ Salty 6 ☐ Gas	ur 19 6/8	3 ☐ Concrete 4 ☐ Open hole	-188	0	700				L DE	2000	feet
2	☐ Salty 6 ☐ Gas	17-18	5 Plastic	\		20-23		Annular spa	NG & SEAL		donment	
2	☑ Salty s ☐ Gas	als	2 Galvanized 3 Concrete 4 Dopen hole		70	260	Depth set at	To Ma	aterial and type (0	Cement gro	out, bento	nite, etc.)
25-28 1	☐ Fresh 3 ☐ Sulph ☐ Salty 6 ☐ Gas	ur ²⁹ als 24-25	5 Plastic		10	27-30	0 Z		ENTON	1 + TE		
	☐ Fresh ³ ☐ Sulph	ur 34 60 als	2 Galvanized 3 Concrete 4 Open hole				26-29	30-33 80	_			
2	☐ Salty 6 ☐ Gas		5 Plastic									
71 Pump	Pump	oing rate GPI	Duration of pump Duration of pump Hours	Mins		In diagra	LO m below show	CATION C		oad and	l lot line	. :
Static level	end of pumping		Pumping 2 45 minutes	Recovery 60 minutes	1)	Indicate i	north by arrow					
LES	13	inutes 26-28 30 minutes 29-	31 32-34	35-37	`)						:
If flowing give	erate 38–41 Pum	Sfeet 170 fe	Water at end of te				118		HIWA	7 18	21	
Recommend		ZZO fe ommended 43- o setting	45 Recommended pump rate	46-49	- =	IMPY	110	1		- 5		
☐ Shallow		Ž-20 fe	1	S GPM]	· ·	MIN	BA	NK OF	MON	TRE	EAL
FINAL STAT		54 Abandoned, insufficie	nt supply ⁹ ∏ Unfinis	shed][, ,	ST	7 /	Towa	u		
1	vation well 6 1 oble 7 1	Abandoned, poor qual Abandoned (Other)	ity 10 ☐ Repla	cement well								
4 ☐ Rechar	ge weii	Dewatering			<u> </u>							
WATER USE 1 Domes 2 Stock		55-56 Commercial Municipal	9 ☐ Notus	sed								
2 ☐ Stock 3 ☐ Irrigati 4 ☐ Indust	on ' 📙	Public supply Cooling & air condition										
METHOD OF	CONSTRUCTION	57						1				
, 1 ☐ Cable 2 ☐ Rotary	tool 5 🔽	Air percussion Boring	9 Drivin	ng				1		18	77	48
3 ☐ Rotary		Diamond Jetting	ıı ∐ Other							<u> </u>		
Name of Well Co	ontractor		Well Contrac	tor's Licence No	 	Data source	58 Contracctor	71 6)	eceived	E 10	63-68 8 D Q
HALIBUR	TOWARTESIAND 123 HAL//3 echnician	ECCOPILLE.	RS 6016)	ONLY	Date of inspection	b (Inspector)]	<u> </u>	5 19	98
Box 4	123 HAL113	PARTON KE	OMISO	lanta I lanca - *1	LUSE	Remarks						-
Name of Well to	echnician	6			MINISTRY	. IGHAINS				1	,	23
Signature of Tec	chnician/Contractor		Submission	date 2 9,7	Z		5.					
BAR	Z		l say	- · yr		<u> </u>				0506 (07/94) Fr	ont Form

2 - MINISTER OF ENVIRONMENT & ENERGY COPY

0506 (07/00) Front Form 9

2 - MINISTRY OF THE ENVIRONMENT COPY

Mark correct box with a checkmark, where applicable.

2 - MINISTRY OF THE ENVIRONMENT COPY

Print only in spaces provided.

The Ontario Water Resources Act
WATER WELL RECORD

2706343

13	Zi7006	Con.	

County or District LALIBUATON	Township/Borough/City/Town/Village DYSART Address	පි Date	<u>6</u> 24 10 02
21 "	BOX 174 HALIS	RC Elevation RC Basin Code ii	day month year
1 2 M 10 12	FOVERBURDEN AND BEDROCK MA	25 26 30 31 TERIAL S (see instructions)	41
General colour Most common material	Other materials	General description	Depth - feet
Br TOPSOUL			0 1.5
GR.BR LLAY			1.5 43
Br TOPSOIL (R,BR LLAY (R GRANITE			43 360
	*		
	· * - · · · · · · · · · · · · · · · · ·		
31			
32 10 14 15 21	32 43	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	75
41 WATER RECORD 51 Water found Kind of Water		Sizes of opening 31-33 Diameter 3	34-38 Length 39-40
at - feet Kind of water diam inches	Material thickness inches From	To W Material and has D	hes feet lepth at top of screen 3
35/ 2 Salty 6 Gas 15-18 1 Fresh 3 Sulphur 19	1 Steel 2 Galvanized 3 Concrete 4 Open hole	50°° S Material and type	feet
2 Salty 6 Gas	5 Plastic	61 PLUGGING & SEALING F	RECORD Abandonment
20-23	2 Galvanized 3 Concrete 4 Dopen hole	Depth set at - feet	ent grout, bentonite, etc.)
25-28	5 Plastic	27:30 0 50 BENTONI	TE
30-33	2 Galvanized 3 Concrete 4 Open hole	26-29 30-33 80	
- 3 48	5 Plastic		
71 Pump 2 Bailer GPM	1 2 15-16 17-18 Hours Mins	LOCATION OF WELL. In diagram below show distances of well from roa	ad and lot line.
Static level end of pumping Water levels during 19-21 22-24 15 minutes 28-28 30 minutes 29-	1 ☐ Pumping 2	ndicate north by arrow.	
23 feet 360et 300et 240			
A Seet 360et 300et 240et 1 Seet 300et 240et 240et 300et 240et 300et 240et 300et 300e	et	SUNNYSIDE , ST	1
Recommended pump type ☐ Shallow Deep Recommended 43- pump setting fe	pump rate		
50-53		(PARK ST	
FINAL STATUS OF WELL 1 Water supply 5 Abandoned, insufficient 2 Observation well 6 Abandoned, poor quality			
3 ☐ Test hole 7 ☐ Abandoned (Other) 4 ☐ Recharge well 8 ☐ Dewatering	Tiopassinon won	HIWAY	
WATER USE 55-56 Domestic 5 Commercial	9 □ Not use	118	
2 Stock 6 Municipal 3 Irrigation 7 Public supply	10 Other	De □ \ wêu \	ALIBURTON
4 Industrial 8 Cooling & air conditionir	ng	1 1	13/12/10/10
METHOD OF CONSTRUCTION 57 1 □ Cable tool 5 Air percussion 2 □ Rotary (conventional) 6 □ Boring	⁹ □ Driving ¹⁰ □ Digging	1	l
3 ☐ Rotary (reverse) 7 ☐ Diamond 4 ☐ Rotary (air) 8 ☐ Jetting	11 Other		224634
Name of Well Contractor	Well Contractor's Licence No. Dat	a 58 Contractor 59-62 Date receive	
ALIBNEWNARTEUAN WELL DKILL	Well Contractor's Licence No.	a 58 Contractor 6 1 6 59-82 Date receive NOV	1 8 2002
ALIBARONARTESAN WELL DRILL Address BOX 423 HACIBURTON	Komiso Well Technician's Licence No.		
BICK BUTTIG	Toll Z	marks	m e tal.
Signature Technician/Contractor	Submission date 02 XX	We are a second	₽ Haran da kalen

Plugging and Sealing Record

Location of Well

Ministry of Well Tag Number (Pl A 047600 Well Record the Environment Regulation 903 Ontario Water Resources Act page 🔥 of 3 47600 Instructions for Completing Form For use in the Province of Ontario only. This document is a permanent legal document. Please retain for future reference. All Sections must be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form. Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203. All metre measurements shall be reported to 1/10th of a metre. Ministry Use Only Please print clearly in blue or black ink only. MUŅ CON LOT Well Owner's Information and Location of Well Information HALIBULTON
BR#/Street Number/Name
B6/14/14/14
GPS Reading NAD Site/Compartment/Block/Tract etc. DYSART Fown/Village TALIBURTON Unit Make/Model Mode of Operation: Undifferentiated Easting Averaged 8 3 17 696158 4991394 Differentiated, spe Log of Overburden and Bedrock Materials (see instructions) General Colour Most common material Other Materials General Description

							1					
Н	ole Diame	ter		Cons	truction Recor	d		Tes	t of W	/ell Yield		
Depth	Metres	Diameter	Inside		Wall	Depth	Metres	Pumping test method	Dra	aw Down	R	ecovery
From	То	Centimetres	diam	Material	thickness -	From	То		Time min	Water Level Metres	Time min	Water Level Metres
					Casing			Pump intake set at - (metres)	Static Level			
				Steel Fibreglass				Pumping rate - (litres/min)	1		1	
	Vater Reco		-	Plastic Concrete Galvanized				Duration of pumping	2		2	
Water found at Metro	es Kind	of Water Sulphur Minerals		Steel Fibreglass Plastic Concrete				hrs + min Final water level end of pumping metres	3		3	
Other:				Galvanized Steel Fibreglass				Recommended pump type. Shallow Deep	4		4	
Gas Other:	Salty	Minerals		Plastic Concrete Galvanized				Recommended pump depthmetres	\vdash		5	
	Fresh				Screen			Recommended pump	10		10	
Gas	Salty	Minerals	Outside diam	Steel Fibreglass	Slot No.			rate. (litres/min)	15 20		15 20	
After test o	f well yield,	water was		Plastic Concrete Galvanized				(litres/min)	25		25	
	nd sediment							If pumping discontinued, give reason.	30		30	
Other,	specify			No C	asing or Scree	n			40		40	
Chlorinated	d 🗌 Yes	☐ No		Open hole					50 60		50	-

Annular space Abandonment

Depth set	at - Metres	Material and type (bentonite slurry, r	eat cement slurry) etc.	Volume Placed	In diagram below show distances of well from road, lot line, and building.
From	То	ivideoral and type (borner ne clarry);	out our our ording, out	(cubic metres)	Indicate north by arrow.
4.75					60/
					1 3
					auth
		Method of Const	ruction		
Cable T	ool	Rotary (air)	Diamond	Digging	
Rotary (convention	al) Air percussion	Jetting	Other	
Rotary (reverse)	Boring	Driving		
		Water Use)		
Domest	ic	Industrial	Public Supply	Other	μων 21
Stock		Commercial	☐ Not used		
Irrigatio	n	Municipal	Cooling & air cond	ditioning	Audit No. 7 54787 Date Well Completed
1		Final Status of	Well		7,00
Water S	Supply	Recharge well	Unfinished	Abandoned, (Other)	Was the well owner's information Date Delivered YYYY MM DD package delivered? Yes No 2006 // 98
	ation well	Abandoned, insufficient supply	Dewatering	CLEANED	package delivered? Yes No 2006 // 98
Test H	ole	Abandoned, poor quality	Replacement well	WELL	
		Well Contractor/Technic			Ministry Use Only
Name of W	ell Contrac	etor,		ntractor's Licence No.	Data Source Contractor 6 0 1 6
HALLE	DURTEN	ARTESIAN WELL DRIN	LLERS GE	0/6	DEC . A 200C
Business A	ddress (str	eet name, number, city etc.)		.	Date of Inspection YYYY MM DD
130×4	23 /	TALIBURTON ON			
		sian (last name, first name)	The state of the s	chnician's Licence No.	Remarks Well Record Number
	~~~~	7G	5 . 0 .	112	
Signature	Technici	Contractor	Date Subr	nitted yyyy MM DD 2006 11/ 30	
X/ Yest	MILLY	7		2006 11/ 30	Coll formula ant dianonible on francoi
0506E (09/0	03)	Contracto	r's Copy 🔲 Ministry	's Copy 🗹 Well Ow	ner's Copy   Cette formule est disponible en français

Ontario  Ministry of the Environment  Well Tag No. (Place Sticker and/or Print Below)  Regulation 903 Ontario Water Resources A											
leasurem	ents recorde		☐ Imperial	Ale	09821		5	12T	$18^{\text{Page}_{-}}$		of
	ner's Inforr			10 M							
rst Name	ALC	Last Na	me / Organizati	on		E-mail Address			L	•	Constructed II Owner
		Number/Name)	1 6	- </td <td>Municipality</td> <td>Province</td> <td>Postal Code</td> <td>MIT</td> <td>elephone N</td> <td>lo. (inc.</td> <td>area code)</td>	Municipality	Province	Postal Code	MIT	elephone N	lo. (inc.	area code)
AVIOLON INCOME	Lakes	hove 131	001., E0	<u>15t  </u>	COLOMAD	<u> </u>	MSO	114			
ell Loca dress of	Well Location	(Street Number/N	lame)	T	ownship		Lot		Concession		
	trict/Municipa	LAND ST	*		City/ <b>/</b> Town/Village			Provinc	ce	Postal	Code
•					HALIBURTO	N		Onta	rio		
M Coord NAD	linates Zone	69627	Northing /	126	<i>l</i> iunicipal Plan and Sublo	ot Number		Other			
	1010101			Y	rd (see instructions on the	back of this form)				Doo	th (m/ft)
eneral C	olour	Most Common Ma			er Materials	}	al Description			From	th ( <i>m/ft</i> ) To
RN	F-16			SILT.	<u>- L</u>	1009 SOF 50F7	<u> </u>				0,6
	2/	AND		5/20.		FOF	_		<u> </u>	2.6/	7/
<u>-</u> }_	5/	ANP		SILT.		) o E 7	***		φ.	.)+	7.6
				out on the second secon							
		Asserting to the second									
	/ (8)		nular Space		T. Values Bland	After test of well yield, v	lesults of We		d Testing w Down	ΙR	ecovery
From Se	et at (m/ft)	(Mate	of Sealant Used rial and Type)		Volume Placed (m³/ft³)	Clear and sand fr	1		Water Level		Water Level
<u>)</u>	0.3	Conclete, BENTON	FLUSTE	COUNT.		Other, specify  If pumping discontinue	d, give reason:	Static	(11/11)	(min)	(initial)
-ನ_	4-27	BENTON	100				_	Level 1		1	
17	7.62	SAND				Pump intake set at (m	n/ft)	2		2	
en et en						Pumping rate (I/min / 0		3	W. M. C.	3	
	hod of Cons		C Dublic	Well Us		Pumping rate (///////////	arwi)	4	11.	.4	
	Conventional)	Jetting	☐ Public ☐ Domestic	Municip	al Dewatering	Duration of pumping hrs + m	nin	5		5	
Rotary (I Boring	Reverse)		Livestock Irrigation	☐ Test Ho☐ Cooling	le	Final water level end of		10		10	
Air percu	ussion	-	Industrial			i <b>t</b>					
otner, sp	pecify Dire	ect Push	Other, specify	/		If flowing give rate ///n	nin / GPM)	15		15	
Utner, sp			- Casing		Status of Well	If flowing give rate (I/n		15		15	
Inside Diameter	Cons Open Hole C	ect Push  Struction Record  OR Material War Fibreglass, Thick	- Casing all Depriness	oth ( <i>m/ft</i> )	☐ Water Supply ☐ Replacement Well	If flowing give rate (I/n					
Inside	Open Hole C (Galvanized, Concrete, Pla	ect Push  Struction Record  OR Material Fibreglass, astic, Steel)  (cm	- Casing all Dep		☐ Water Supply ☐ Replacement Well ☐ Test Hole	Recommended pump	depth (m/ft)	20		20	
Inside Diameter	Open Hole C (Galvanized, Concrete, Pla	ect Push  Struction Record  OR Material War Fibreglass, Thick	- Casing all Dep	oth ( <i>m/ft</i> )	☐ Water Supply ☐ Replacement Well ☐ Test Hole ☐ Recharge Well ☐ Dewatering Well	Recommended pump Recommended pump (I/min / GPM)	depth (m/ft) rate	20 25		20	
Inside Diameter	Open Hole C (Galvanized, Concrete, Pla	ect Push  Struction Record  OR Material Fibreglass, astic, Steel)  (cm	- Casing all Dep	oth ( <i>m/ft</i> )		Recommended pump	depth (m/ft) rate	20 25 30		20 25 30	
Inside Diameter	Open Hole C (Galvanized, Concrete, Pla	ect Push  Struction Record  OR Material Fibreglass, astic, Steel)  (cm	- Casing all Dep	oth ( <i>m/ft</i> )	Water Supply Replacement Well Test Hole Dewatering Well Observation and/or Monitoring Hole Alteration (Construction)	Recommended pump (Vmin / GPM)  Well production (Vmin Disinfected?	depth (m/ft) rate	20 25 30 40		20 25 30 40	
Inside Diameter	Cons Open Hole C (Galvanized, Concrete, Pla	ect Push  Struction Record  OR Material Fibreglass, astic, Steel)  (cm	- Casing all Deprive From	oth ( <i>m/ft</i> )	Water Supply Replacement Well Test Hole Recharge Well Dewatering Well Observation and/or Monitoring Hole Alteration	Recommended pump  Recommended pump (I/min / GPM)  Well production (I/min  Disinfected?  Yes No	depth (m/ft) rate / GPM) Map of We	20 25 30 40 50 60		20 25 30 40 50 60	
Inside Diameter (cm/in)  20  Outside Diameter	Cons Open Hole C (Galvanized, Concrete, Pla	ct Push  ctruction Record  DR Material  Which provides the provides of the pro	- Casing all Dep ness From 7000 - Screen No.	oth ( <i>m/ft</i> )  To  957		Recommended pump  Recommended pump  (I/min / GPM)  Well production (I/min  Disinfected?  Yes No  Please provide a map	depth (m/ft) rate / GPM)  Map of We below following	20 25 30 40 50 60		20 25 30 40 50 60	
Inside Diameter (cm/in)  20  Outside Diameter	Cons Open Hole C (Galvanized, Concrete, Pla  PLAS  Con  Mate	ct Push  Struction Record  OR Material Fibreglass, astic, Steel)  77	- Casing all Deprive From 70 C	oth ( <i>m/ft</i> )  To  9.57  oth ( <i>m/ft</i> )  To	Water Supply Replacement Well Test Hole Recharge Well Dewatering Well Observation and/or Monitoring Hole Alteration (Construction) Abandoned, Insufficient Supply Abandoned, Poor Water Quality	Recommended pump (I/min / GPM)  Well production (I/min Disinfected?  Yes No  Please provide a map	depth (m/ft)  rate  / GPM)  Map of We below following	20 25 30 40 50 60		20 25 30 40 50 60	A N
Inside Diameter (cm/in)  20  Outside Diameter	Cons Open Hole C (Galvanized, Concrete, Pla  PLAS  Con  Mate	ct Push  ctruction Record  DR Material  Which provides the provides of the pro	- Casing all Deprive From 70 C	oth ( <i>m/ft</i> )  To  157-  Oth ( <i>m/ft</i> )  To  To		Recommended pump (I/min / GPM)  Well production (I/min Disinfected?  Yes No  Please provide a map	depth (m/ft) rate / GPM)  Map of We below following	20 25 30 40 50 60	ons on the b	20 25 30 40 50 60	
Inside Diameter (cm/in)  20  Outside	Cons Open Hole C (Galvanized, Concrete, Pla  PLAS  Con  Mate	ect Push  Struction Record Pribreglass, astic, Steel)  Struction Record Trick (cm.	- Casing all Deprive From 70 C	oth ( <i>m/ft</i> )  To  957  oth ( <i>m/ft</i> )  To  767  767	Water Supply Replacement Well Test Hole Recharge Well Dewatering Well Observation and/or Monitoring Hole Alteration (Construction) Abandoned, Insufficient Supply Abandoned, Poor Water Quality Abandoned, other, specify Other, specify	Recommended pump (I/min / GPM)  Well production (I/min Disinfected?  Yes No  Please provide a map	depth (m/ft)  rate  / GPM)  Map of We below following	20 25 30 40 50 60		20 25 30 40 50 60	
Inside Diameter (cm/in)  Dutside Diameter (cm/in)	Cons Open Hole C (Galvanized, Concrete, Pla  Con  Mate (Plastic, Galva	itruction Record OR Material Fibreglass, astic, Steel)  istruction Record (cm)  77	- Casing all Department of the control of the contr	oth ( <i>m/ft</i> )  To  957  oth ( <i>m/ft</i> )  To  767  Hed Dept	Water Supply Replacement Well Test Hole Recharge Well Dewatering Well Observation and/or Monitoring Hole Alteration (Construction) Abandoned, Insufficient Supply Abandoned, Poor Water Quality Abandoned, other, specify Other, specify	Recommended pump (I/min / GPM)  Well production (I/min Disinfected?  Yes No  Please provide a map	depth (m/ft)  rate  / GPM)  Map of We below following	20 25 30 40 50 60	ons on the b	20 25 30 40 50 60	
Inside Diameter (cm/in)  Dutside Diameter (cm/in)  And the control of the control	Cons Open Hole C (Galvanized, Concrete, Plance)  Con  (Plastic, Galvanized, Galvanized, Concrete, Plance)  Con  Mate (Plastic, Galvanized, Galvanized)  Ind at Depth Kin/ft)  Gas	itruction Record OR Material Fibreglass, astic, Steel)  istruction Record (cm)  77	- Casing all Deprive From  70 Deprive From  - Screen No. Prom  - Screen  No. Prom  - Screen	oth ( <i>m/ft</i> )  To  157  157  To  757  To  To  Deptember 150  From	Water Supply Replacement Well Test Hole Recharge Well Dewatering Well Observation and/or Monitoring Hole Alteration (Construction) Abandoned, Insufficient Supply Abandoned, Poor Water Quality Abandoned, other, specify Other, specify Other, specify  Diameter To Diameter To Carfin	Recommended pump (I/min / GPM)  Well production (I/min Disinfected?  Yes No  Please provide a map	depth (m/ft)  rate  / GPM)  Map of We below following	20 25 30 40 50 60	ons on the b	20 25 30 40 50 60	
Outside Diameter (cm/in)  Outside Diameter (cm/in)  Outside Diameter (cm/in)  (mater foun (mater foun	Cons Open Hole C (Galvanized, Concrete, Plance Concrete,	struction Record OR Material Fibreglass, astic, Steel)  Struction Record  Trick (cm)  Struction Record  arial anized, Steel)  Water Details ind of Water: Fibreglass, and of W	- Casing all Deprive From  7	oth ( <i>m/ft</i> )  To  157  Oth ( <i>m/ft</i> )  To  767  Dept From	Water Supply   Replacement Well   Test Hole   Recharge Well   Dewatering Well   Observation and/or Monitoring Hole   Alteration (Construction)   Abandoned, Insufficient Supply   Abandoned, Other, Specify   Other, Specify   Other, Specify   Other, Specify   Other, Specify   Other   Diameter   To   Diameter   Com/in   Diameter   To   Diameter   Com/in   Diameter   To   Diameter   Com/in   Diameter   Co	Recommended pump (I/min / GPM)  Well production (I/min Disinfected?  Yes No  Please provide a map	depth (m/ft)  rate  / GPM)  Map of We below following	20 25 30 40 50 60	ons on the b	20 25 30 40 50 60	
Outside Diameter (cm/in)  Outside Diameter (cm/in)  Outside Diameter (cm/in)  ater foun  (mater foun  ater foun	Cons Open Hole C (Galvanized, Concrete, Plance Concrete,	struction Record OR Material Fibreglass, astic, Steel)  struction Record Trick (cm 77	- Casing all Deprive From  7	oth ( <i>m/ft</i> )  To  157  Oth ( <i>m/ft</i> )  To  767  Dept From	Water Supply Replacement Well Test Hole Recharge Well Dewatering Well Observation and/or Monitoring Hole Alteration (Construction) Abandoned, Insufficient Supply Abandoned, Poor Water Quality Abandoned, other, specify Other, specify Other, specify  Diameter To Diameter To Carfin	Recommended pump (I/min / GPM)  Well production (I/min Disinfected?  Yes No  Please provide a map	depth (m/ft)  rate  / GPM)  Map of We below following	20 25 30 40 50 60	ons on the b	20 25 30 40 50 60	
Outside Diameter (cm/in)  Outside Diameter (cm/in)  Outside Diameter (cm/in)  (m ater foun (m	Cons Open Hole C (Galvanized, Concrete, Pla  Con  Con  Mate (Plastic, Galva  Ad at Depth Ki  Aft) Gas  d at Depth Ki  Aft) Gas  well  Well	water Details ind of Water: Figure of Wa	- Casing all Deprive From 70 CO  - Screen No. From 9 4/57  resh Unteste resh Unteste	oth (m/ft)  To  157  Sth (m/ft)  To  767  Dept From  Id Color of the c	Water Supply   Replacement Well   Test Hole   Recharge Well   Dewatering Well   Observation and/or Monitoring Hole   Alteration (Construction)   Abandoned, Insufficient Supply   Abandoned, Poor Water Quality   Abandoned, other, specify   Other, specify   Other, specify   Other, Specify   To   Diameter   To   Com/in   To   To   To   To   To   To   To   T	Recommended pump (I/min / GPM)  Well production (I/min Disinfected?  Yes No  Please provide a map	depth (m/ft)  rate  / GPM)  Map of We below following	20 25 30 40 50 60	ons on the b	20 25 30 40 50 60	
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Outside Diameter (cm/in)  Outside Diameter (cm/in)  ater foun (m ater foun (m ater foun (m siness N 5 trat siness A	Cons Open Hole C (Galvanized, Concrete, Plance Concrete,	struction Record OR Material Fibreglass, astic, Steel)  Struction Record  Struction Record  Struction Record  Prial Pria	- Casing all Deprive From 70 0  - Screen No. From 9 4/57  resh Unteste resh Unteste resh Unteste resh Inteste	oth (m/ft)  To  157  Oth (m/ft)  To  767  Deptificant Informative  Mu	Water Supply   Replacement Well   Test Hole   Recharge Well   Dewatering Well   Observation and/or Monitoring Hole   Alteration (Construction)   Abandoned, Insufficient Supply   Abandoned, Poor Water Quality   Abandoned, other, specify   Other, specify   Other, specify   To (cm/in)   T.6.2   To 24   To inicipality   Test Hole Diameter (cm/in)   T.6.2   To 24   To inicipality   Test Hole Diameter (cm/in)   T.6.2   To 24   To inicipality   Test Hole Diameter (cm/in)   Test Hole Diameter (cm/in)   To inicipality   Test Hole Diameter (cm/in)   To inicipality   Test Hole Diameter (cm/in)   Test Hole Dia	Recommended pump (I/min / GPM)  Well production (I/min Disinfected?  Yes No  Please provide a map	depth (m/ft)  rate  / GPM)  Map of We below following	20 25 30 40 50 60	ons on the b	20 25 30 40 50 60	
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Ontario is now in Step 2 of the <u>Roadmap to Reopen (/page/reopening-ontario)</u>. Follow the <u>restrictions and public health measures (https://covid-19.ontario.ca/public-health-measures)</u>.



## Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the <u>Open Data catalogue</u> (<a href="https://data.ontario.ca/dataset/well-records">https://data.ontario.ca/dataset/well-records</a>).

Go Back to Map ()

## Well ID

Well ID Number: 2700166

Well Audit Number: Well Tag Number:

This table contains information from the original well record and any subsequent updates.

## **Well Location**

**Address of Well Location** 

Township	DYSART TOWNSHIP
Lot	016
Concession	CON 08
County/District/Municipality	HALIBURTON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 17 Easting: 695807.10 Northing: 4991619.00
Municipal Plan and Sublot Number	
Other	

## Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
	MSND	GRVL		0 ft	10 ft
RED	GRNT			10 ft	60 ft
BLCK	GRNT			60 ft	90 ft

## **Annular Space/Abandonment Sealing Record**

Depth	Depth	Type of Sealant Used	Volume
From	To	(Material and Type)	Placed

## **Method of Construction & Well Use**

Method of Construction	Well Use
Cable Tool	
	Domestic

## Status of Well

Water Supply

## **Construction Record - Casing**

Inside Diameter	Open Hole or material	Depth From	Depth To
2 inch	STEEL		10 ft
2 inch	OPEN HOLE		90 ft

## **Construction Record - Screen**

Outside	Material	Depth	Depth
Diameter		From	To

## Well Contractor and Well Technician Information

Well Contractor's Licence Number: 2509

## **Results of Well Yield Testing**

After test of well yield, water was	CLEAR
If pumping discontinued, give reason	
Pump intake set at	
Pumping Rate	3 GPM
Duration of Pumping	2 h:0 m
Final water level	15 ft
If flowing give rate	
Recommended pump depth	15 ft
Recommended pump rate	3 GPM
Well Production	PUMP
Disinfected?	

## **Draw Down & Recovery**

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL	3 ft		
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	

20	20	
25	25	
30	30	
40	40	
45	45	
50	50	
60	60	

## **Water Details**

Water Found at Depth	Kind
80 ft	Fresh

## **Hole Diameter**

Depth From	Depth To	Diameter	

### **Audit Number:**

**Date Well Completed:** October 21, 1960

Updated: June 04, 2021

Published: April 16, 2021

### Related

How to use a Ministry of the Environment map (/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

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## winistry of the

## The Ontario Water Resources Act WATER WELL RECORD

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Reox Brack	GRANITE				35	45
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FINAL STATUS	I D WATER SUPPLY					
OF WELL	TEST HOLE	7 () UNPINISHED		•		Ì
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