Hydrogeological Assessment
Proposed Severance on Lot 12 – Stinson Block
Consecon, Ontario

Prepared for:

Margaret Wright
82 Edward Drive
Consecon, ON
K0K 1T0

Submitted by:

The Greer Galloway Group Inc.
1620 Wallbridge Loyalist Road
Belleville, Ontario
K8N 4Z5

September 2023

GREER GALLOWAY
CONSULTING ENGINEERS

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September 26, 2023

Project 23-3-4080

Margaret Wright
82 Edward Drive
Consecon, Ontario
K0K 1T0

Via email: margaretatwellers@gmail.com

Hydrogeological Assessment for Proposed Single-Lot Severance on Stinson Block Lot 12 in Consecon, Ontario.

Dear Margaret,

We are pleased to submit this hydrogeological assessment in support of your proposed single-lot severance in Consecon, Ontario. The tested drilled well on the property was found to have adequate yield for normal usage, with acceptable water quality. No negative impacts to neighbouring private water supplies are expected.

We trust that this report is complete and sufficient for your requirements. Please don't hesitate to contact us if you have any questions about the report or our conclusions.

Yours very truly,

THE GREER GALLOWAY GROUP INC.
CONSULTING ENGINEERS

Kirby Magee-Dittburner, E.I.T.
Junior Hydrogeologist

Table of Contents

Drawings (appended after text)

Tables

Appendices

1. Introduction

The Greer Galloway Group (Greer Galloway) was retained by Margaret Wright to complete a hydrogeological assessment supporting a proposed single-lot severance from the property at the northeastern corner of Stinson Block Road and Edward Drive in Consecon, Ontario.

The purpose of the work was to assess the soil and groundwater conditions at the site to demonstrate that the existing water supply well and a private sewage system will be suitable for supporting residential development on the proposed severance in accordance with Provincial standards and without significantly impacting surrounding private water sources.

2. Investigation Methods

The assessment was carried out in general accordance with the Ministry of the Environment, Conservation, and Parks (MECP) procedures D-5-4 (Individual On-Site Sewage Systems) and D-5-5 (Private Well: Well Assessment).

The investigation included a review of water well records, a review of available geologic and hydrogeologic information for the area, an inventory of water supply wells within a reasonable distance of the subject property, a pumping test on the existing well on the subject property along with chemical and bacteriological analysis, and monitoring water level responses in observation wells prior, during, and after the pumping test. The investigation methods are described further in the following subsections.

2.1 Well Records Search and Survey

Information about nearby wells was obtained from available MECP water well records on the MECP wells database using a search radius of 300 m from the subject property. MECP Water Well Record sheets for the searched area are provided in Appendix A.

In July 2023, a door-to-door well survey was carried out for neighbouring wells within a 300 m radius of the subject property. A total of four homeowners were successfully contacted during the survey.

2.2 Water Supply Assessment

The water supply assessment was based on a pumping test of the drilled well (A303826) on the northern half of the proposed severance, approximately 85 m south of Glen Lane and 90 m east of Edward Drive. The well is a 0.15 m diameter drilled well with a measured depth of 11.29 m below ground surface (bgs) and a measured static water level of 4.00 m bgs at the time of testing. The well record for this well indicates driller-reported recommended pumping rate of 19 L/min.

The 6-hour pumping test was performed on July 24, 2023 using a submersible pump with the discharge routed through a flow restriction valve corresponding to the desired pumping rate. Discharge water was directed away from the pumped well a distance of approximately 30 m downgradient of the well.

Data-logging pressure transducers (Solinst Model 3001) were installed in the tested well and in neighbouring wells at 82 Edward Drive and 9 Glen Lane. All dataloggers were synchronized prior to the testing and were set to record at 10-second intervals in the tested well and at 20-second intervals in the monitoring wells. Hydrographs created from the captured data are provided in Appendix B.

2.3 Water Quality Assessment

A groundwater sample was obtained during the last hour of the pumping test. The sample was placed into a variety of laboratory-prepared sample containers that were sealed, placed into a cooler with ice packs to maintain a temperature of approximately 4 °C, and transported to Caduceon Laboratories in Kingston, Ontario. Analytical parameters included E. coli and Total Coliform bacteria and a variety of additional parameters including Alkalinity, pH, Conductivity, Colour, Turbidity, Fluoride, Chloride, Nitrite and Nitrate, Sulphate, TKN, Ammonia, Organic Nitrogen, DOC, Tannins and Lignins, Hardness, Calcium, Iron, Magnesium, Manganese, Potassium, Silica, Sodium, and Zinc (refer to the Laboratory Certificate of Analysis in Appendix C).

3. Summarized Findings

3.1 Site Description

The subject property covers an area of approximately 7.8 ha and is located at the northeastern corner of Edward Drive and Stinson Block Road near Consecon, Ontario. Ms. Wright wishes to sever off the western 4.8 ha, retaining the eastern 3.0 ha. Both the proposed severance and retained lands are undeveloped land covered by field grasses. Local land use is Rural (RU1). Maps of the property and its surroundings are provided in Drawings 1 and 2 (appended after text).

Topography of the property declines gently towards the north. Drainage is predominately in a northern direction, following local topography towards Weller's Bay (Lake Ontario) approximately 100 m to the north. The elevation of the property is about 85 m above mean sea level (mASL) at the southern edge of the property and about 81 mASL at the northern edge of the property.

Wellers Bay is the only major surface water body identified within 500 m of the subject property. Municipal servicing is not available in the area, so drinking water and sewage servicing must be handled by individual water supply wells and septic systems.

3.2 Climate and Water Balance

The area is characterized by mild winters and relatively cool humid summers. Snow typically occurs during 5 months of the year from December to April. Annual precipitation is approximately 950 mm at the Mountainview weather station (Environment Canada, 2020) with an average annual evapotranspiration (ET) of roughly 480 mm based on the site location (Statistics Canada, 2017).

Mapping shows primarily thin surficial soils classified as organic deposits over Paleozoic bedrock in the Surficial Geology of Southern Ontario (OGS, 2011). Infiltration factors for the area were calculated as per the Ontario Ministry of the Environment 1995 Hydrogeological Technical Information Requirements for Land Development Applications.

It is based on three sub-factors which are:

- Topography sub-factor
- Soil sub-factor
- Cover sub-factor

Table 1 presents infiltration factors based on the details of the ground cover factors for the subject property under current conditions.

Table 1: Estimated infiltration factors

Site Characteristic	Infiltration Factor
Topography	
Flat Land	**0.3**
Rolling Land	0.2
Hilly Land	0.1
Soils	
Tight impervious clay	0.1
Medium combinations of clay and loam	**0.2**
Open Sandy loam	0.4
Cover	
Cultivated Land	**0.1**
Woodland	0.2
Sum of Infiltration Factors	**0.6**

Given an average annual moisture surplus (P-ET) of approximately 470 mm, we estimate an average annual infiltration of about 282 mm for the subject property. We note that this number is taken from guidelines published by the MECP (Guideline D-5-4) for the purposes of nitrate loading calculations and the resulting recharge estimate may not reflect real conditions. More current guidelines (Design Guidelines for Sewage Works, 2008) call for the use of a default value of 250 mm/a.

3.3 Geology

The Ontario Soil Report No.10 classifies soils in this area as Hillier Clay Loam. Surficial soils are stony, reddish-brown clay loam containing an abundance of limestone fragments. Soils of this type are undulating to rolling in topography and overly limestone bedrock interbedded with shale partings.

The Ontario Geological Survey (2011) has described the bedrock as Ordovician nodular to black laminated limestone and shale belonging to the Lindsay Formation of the Simcoe Group. Well records in the vicinity of the subject property indicate that bedrock occurs at depths of between 1.8 and 6.1 m, with a median depth to bedrock of 3.4 m.

3.4 Hydrogeology

A search of the Ministry of Environment, Conservation and Parks (MECP) Well Record Database returned 15 wells within a 300 m radius of the site (see Drawing 2, appended). Of the 15 wells identified, 2 of them were abandoned wells, one for insufficient supply and the other for poor quality. The remaining 13 Well Records are summarized in Table 2. The well records suggest the groundwater table in the area is encountered primarily within the overburden, with a median well yield of 23 lpm. The subject lands are located outside any mapped WHPA.

Table 2: Summary of well depths and yields within a 300 m

Well Number	Water Found (m)	Static Level (m)	Yield (L/min)	Overburden Depth (m)	Hole Depth (m)	Water Type	Aquifer
5301463	5.5	2.4	38	3.0	9.8	Fresh	Bedrock

Well Number	Water Found (m)	Static Level (m)	Yield (L/min)	Overburden Depth (m)	Hole Depth (m)	Water Type	Aquifer
5301464	5.2	0.6	11	2.1	6.4	Fresh	Overburden
5301467	7.6	2.7	11	3.4	8.8	Fresh	Bedrock
5301468	8.2	2.7	19	2.4	9.1	Fresh	Bedrock
5301469	6.7	1.5	23	1.8	7.6	Fresh	Bedrock
5302137	18.3	4.9	19	3.6	21.0	Fresh	Bedrock
5302240	9.1	2.4	11	3.4	11.0	Fresh	Overburden
5303076	12.5	1.8	23	3.0	13.7	Fresh	Overburden
5305651	Multiple	5.5	114	0.9	16.7	Fresh	Bedrock
5306824	7.6	1.8	38	4.6	12.1	Gas	Overburden
A013920	18.3	1.5	27	5.3	13.7	Fresh	Overburden
A065518	2.5	2.5	45	> 4.7	4.7	Fresh	Overburden
A148361	6.1	2.6	3	6.1	21.3	Untested	Overburden

Based on the recorded static levels and the topographic setting, the dominant local groundwater flow direction is in a northern direction towards Wellers Bay.

3.5 Water Availability

A pumping test was performed on the drilled water supply well A303826 at 11:57 on July 24, 2023, following 3 days of no precipitation. The static level was measured as 4.00 m bgs prior to commencing the pumping test.

Pumping was carried out over an approximately 7-hour period (408 minutes), ending at 18:45 on the same day. The flow rate was set at 12 L/min at the beginning of the test and was increased to 18 L/min after 100 minutes. The final water level reading before the test was stopped was 8.95 m bgs, indicating a maximum drawdown of 4.95 m (68% of the initial water column). A volume of approximately 6,700 L was pumped from the well, and full recovery of the water column was observed approximately 3 hours following the end of the test.

According to MECP Guideline D-5-5, the per-person requirement is 450 L/day (though recent data shows that actual per-person usage in Ontario is approximately 225 L/day), with peak demand occurring for a period of 120 minutes each day. Based on a 4-bedroom household with an occupancy of 5 persons, this is equivalent to a peak demand of 18.7 L/min. The well was able to sustain continuous pumping for approximately 5 hours at a rate comparable to the estimated peak demand. Given the sustainable pumping rate observed and the rapid recovery of the water column, we conclude that there is sufficient water availability to support the proposed severance. The tested yield is considered to be representative, and the well is expected to be able to meet normal residential water demand even during the dry summer months.

3.6 Water Quality

A groundwater sample was obtained from the tested well at the end of the pumping test and was analyzed at Caduceon Laboratories Ltd. in Kingston, Ontario for selected parameters. Key results are

summarized in Table 3, with exceedances being formatted in bold. The full results of this testing are included with the Laboratory Certificates of Analysis in Appendix C.

Table 3: Summary of Key Analytical Results

Parameter	Unit	ODWS Objective (From D-5-5)	Sample ID GW1 (July 24 2023)	Sample ID Resample (August 8 2023)
E. Coli	Count / 100 mL	0	0	0
Total Coliforms	Count / 100 mL	0	0	1
Fecal Coliforms	Count / 100 mL	0	0	0
Turbidity	NTU	1	0.6	-
Hardness	mg/L as $CaCO_3$	500	227	-
Nitrate (as N)	mg/L	10.0	<0.05	-
Nitrite (as N)	mg/L	1.0	< 0.05	-
pH	-	6.5 - 8.5	7.89	-
Sulphate	mg/L	500	4	-
Chloride	mg/L	250	4.5	-
Colour	TCU	5	< 2	-
Dissolved Organic Carbon (DOC)	mg/L	5	1.6	-
Iron (Fe)	mg/L	0.3	0.075	-
Manganese	mg/L	0.05	0.004	-
Sodium	mg/L	20	49.8	-

The sample taken from A303826 at the end of the pumping test was found to have no health-related exceedances, though Sodium was found to exceed the 20 mg/L "warning" threshold at which municipal systems are required to advise the local Medical Officer of Health, as it may be relevant for people on sodium-restricted diets.

After receiving the results of the initial sample, a resample for bacteriological parameters was taken because the absence of any background bacteria in the initial sample suggested the potential effect of residual chlorination. The resample was taken after verifying that the concentration of free chlorine was below the detection limit of our handheld free chlorine colorimeter. The results of the resample confirmed acceptable bacteriological results.

The water was found to be moderately hard, which is typical of water from wells sourcing limestone aquifers, but of generally good quality. Neighbours that were contacted during the homeowner survey reported that they were generally satisfied with the quality and quantity of their well water.

3.7 Potential for Well Interference

The radius of influence (r, metres) between a pumped well and the neighbouring properties may be estimated using the estimated value for Q (i.e., the average amount pumped per day in litres) and the average recharge (R, mm per year) to the aquifer according to:

$$Q = \frac{R\pi r^2}{365}$$

This calculation yields a radius of influence of less than 30 m based on a shallow drilled well, pumping at a rate of 1,125 L/day (5 people x 225 L/day) over the course of a year for A303826.

During the pumping test, the water supply wells at 82 Edward Drive and 9 Glen Lane were monitored for well interference. No response to the pumping test was observed in either of the monitoring wells.

We note that the fractured bedrock aquifer does not behave in the same way as an ideal porous media. Localized zones of higher permeability soils will be associated with a locally greater radius of influence, while lower permeability zones will have a correspondingly reduced radius of influence. However, even accounting for these effects, well interference is not anticipated to be a problem at the subject property.

3.8 Onsite Sewage Treatment

Neither municipal water supply nor sewage servicing is available at the property. As such, servicing for the proposed severances will be private water supply wells and private individual septic systems.

Site conditions are considered suitable for the construction of a private septic system. Any such system must be constructed in accordance with Section 8 of the Ontario Building Code and must meet the setback distances outlined in Table 6.

Because the proposed severances both have areas greater than 1 ha, risk to neighbouring water sources from nitrate-rich sewage effluent is considered low under MECP Guideline D-5-4 section 5.5.

Table 4: Minimum clearances for distribution piping

Object	Minimum Setback (m)
Structure	5
Well with a watertight casing to a depth of 6 m	15
Any other well	30
Pond	15
Stream	15
Property Line	3

4. Summary

The purpose of the work was to determine soil and groundwater conditions at the site and to demonstrate that the proposed severance can be serviced by groundwater and an individual septic system in accordance with Provincial standards without adversely affecting surrounding private water sources.

Our assessment found the following:

1. The existing well (A303826) has sufficient yield to meet normal water demand from a 3-4 bedroom residential dwelling. Neighbouring residences are serviced by existing water supply wells, none of which have reported concerns about their water quantity.
2. Well testing did not demonstrate any potential for adverse impacts to surrounding wells or to natural ecological features. Well interference is not anticipated to be a concern based on the results of this assessment.
3. Results of water quality testing showed no health-related exceedances of ODWS limits. The well is considered suitable as a potable water supply, though ultraviolet sterilization (as a minimum) is still recommended as in-home water treatment.

4. Because the area of the proposed severance is greater than 1 ha, the lot is considered large enough to meet MECP Guideline D-5-4 requirements with respect to Nitrate in groundwater leaving the property. The risk of impacting neighbouring water sources with nitrate-rich sewage effluent is considered to be low.

We trust that this report will satisfy your current requirements. If you have any questions about our assessment or our conclusions, please don't hesitate to contact us.

All of which is respectfully submitted.

THE GREER GALLOWAY GROUP INC.
CONSULTING ENGINEERS

Kirby Magee-Dittburner, E.I.T.
Junior Hydrogeologist

Charles Mitz, M.Eng., Ph.D., P.Geo
Senior Project Manager

5. References

Environment Canada, 2020
https://climate.weather.gc.ca/climate_normals/results_1981_2010_e.html?stnID=4859&autofwd=1

Experimental Farms Service, 1947: Soil Map of Prince Edward County, Ontario. Soil Survey Report No. 10, Scale 1:63 360.

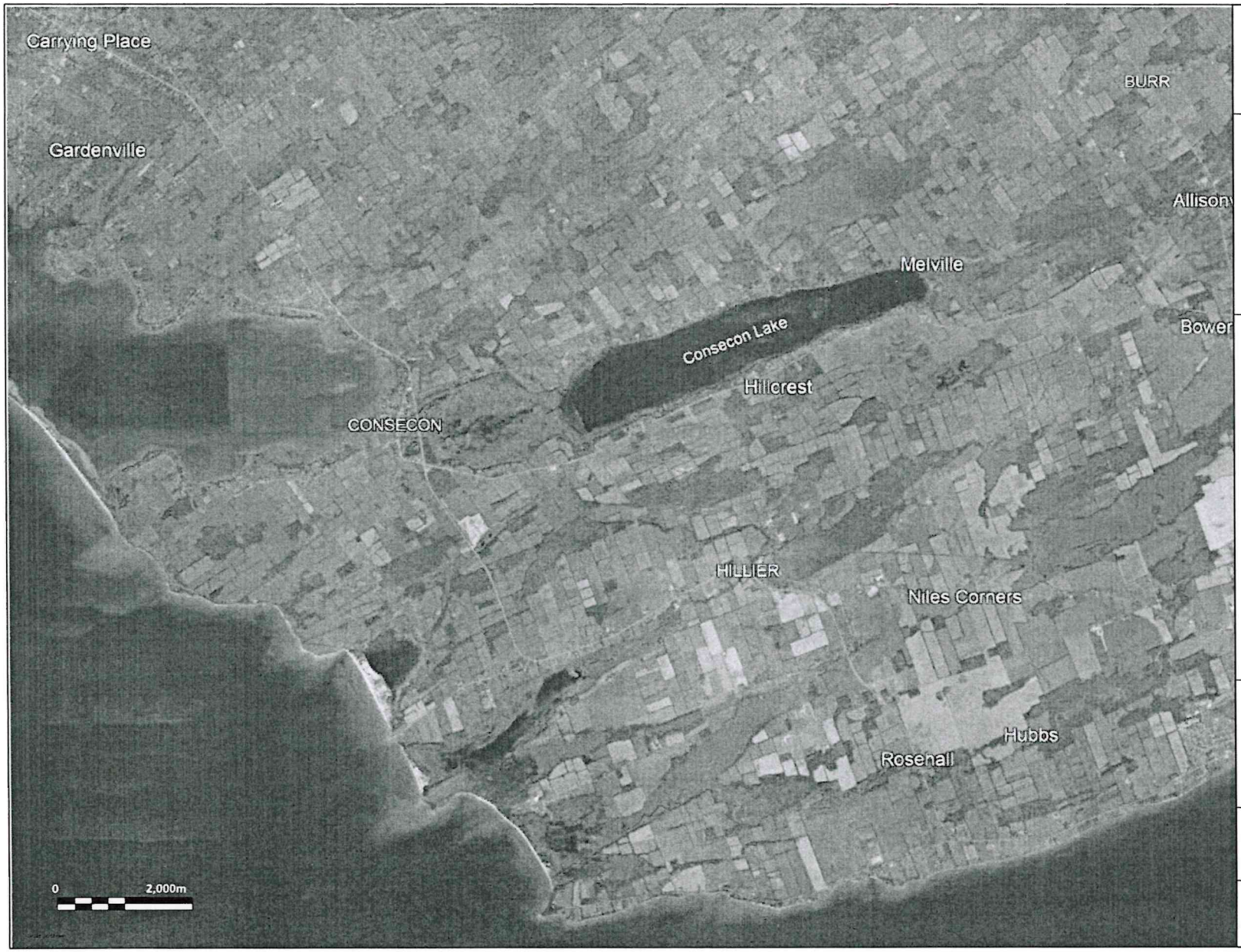
MECP (Ministry of Environment Conservation and Parks) 1996: D-5-5 Private Wells: Water Supply Assessment, updated March 15, 2016.

MECP (Ministry of Environment Conservation and Parks) 1996: D-5-4 Individual On-Site Sewage Systems: Water Quality Impact Risk Assessment, updated April 14, 2016.

MECP (Ministry of Environment Conservation and Parks) 2008: Design Guidelines For Sewage Works, updated May 6, 2023.

Ontario Geological Survey 2011. Surficial geology of Southern Ontario; Ontario Geological Survey, Miscellaneous Release--Data 128-REV

Stats Canada, 2017 https://www150.statcan.gc.ca/n1/pub/16-201-x/2017000/sec-2/m-c/m-c-2.5-eng.htm



GREER GALLOWAY
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PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

1) Base drawing and information obtained from Google Earth.

LEGEND:

Property Location

PROJECT 2334080:

HYDROGEOLOGICAL ASSESSMENT
PART OF STINSON BLOCK LOT 12
CONSECON, ONTARIO

DRAWING 1:

SITE PLAN SHOWING PROPERTY LOCATION

GREER GALLOWAY
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FAX: 613-966-3087

NOTES:

1) Base drawing and information obtained from Prince Edward County GIS: https://www.thecounty.ca/residents/services/gis-mapping/

LEGEND:

- Property boundary
- Test Well
- Monitoring Well
- MECP Well Record
- Class 4 Septic Bed

PROJECT 2334080:

HYDROGEOLOGICAL ASSESSMENT
PART OF STINSON BLOCK LOT 12
CONSECON, ONTARIO

DRAWING 2:

SITE PLAN SHOWING WELL LOCATION

Appendix A

MECP Water Well Records

cmt for Shiwai Rd

30N 13h

UTM 18 Z 2 9 5 1 7 5 E

5 R 4 8 7 3 0 8 6 N

Elev. 5 R 0 2 8 0

Basin 2 3

53 № 1463

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or ~~District~~ Prince Edward Township, ~~Village, Town or City~~ Hillier

Con. 4 Stinson Block Lot 9 Date completed 6 (day) 12 month 1966 year)

[redacted] ress R.R. 3 Consecon Ontario

Casing and Screen Record		Pumping Test	
Inside diameter of casing	$6\frac{1}{4}$"	Static level	8'
Total length of casing	$10\frac{1}{2}$'	Test-pumping rate	20 G.P.M.
Type of screen	Nil	Pumping level	25'
Length of screen	Nil	Duration of test pumping	2 Hrs.
Depth to top of screen	Nil	Water clear or cloudy at end of test	Clear
Diameter of finished hole	$6\frac{1}{4}$"	Recommended pumping rate	10 G.P.M.
		with pump setting of	25 feet below ground surface

Well Log: Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Clay	0	7		
Shale Limestone	7	10		
Grey Limestone	10	32	18	Fresh Untested

For what purpose(s) is the water to be used? Commerical (Cottage)

Is well on upland, in valley, or on hillside? Hillside

Drilling or Boring Firm Mansel Donaldson

Address Box 40 Foxboro Ontario

Licence Number 1988

Name of Driller or Borer Mansel Donaldson

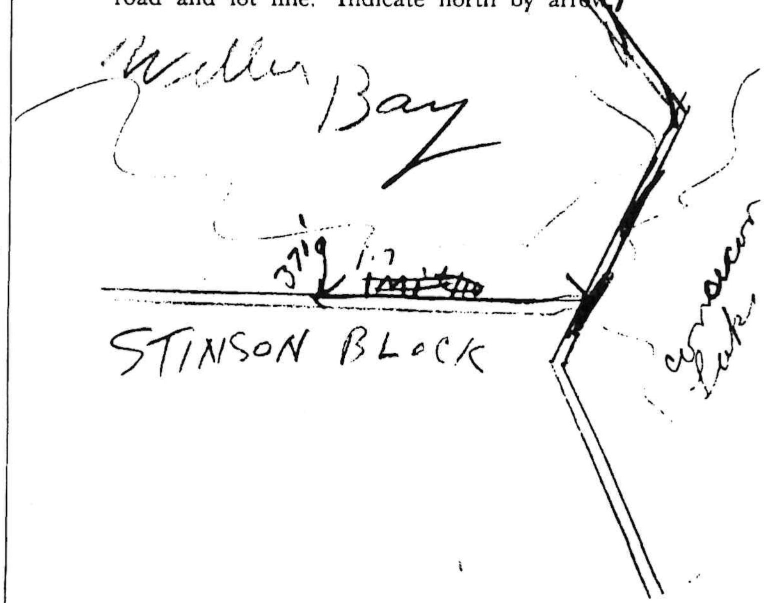
Address Box 40 Foxboro Ont.

Date Dec. 6/66

Mansel Donaldson
(Signature of Licensed Drilling or Boring Contractor)

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 7 15M-60-4138

O W R C COPY

UTM 18 Z 295012 E

Stinson Blk

4873071 N

Elev. 15 R 190279

30N13-R

The Ontario Water Resources Commission Act

WATER WELL RECORD

Basin 24

County ~~or District~~ Prince Edward Township, ~~Village, Town or City~~ Hillier

Con. Stinson Blk. Lot 10 Date completed 17 (day) June (month) 1961 (year)

[redacted]dress Consecon R.R. 3-

Casing and Screen Record

Inside diameter of casing 6¼"

Total length of casing 7½'

Type of screen —

Length of screen —

Depth to top of screen —

Diameter of finished hole 6¼"

Pumping Test

Static level 2'

Test-pumping rate 10 G.P.M.

Pumping level 15'

Duration of test pumping 1 hr.

Water clear or cloudy at end of test Clear

Recommended pumping rate 3 G.P.M.

with pump setting of 18 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Clay gravel	0	6		
grey limestone	6	21	17'	fresh

(Water Record: Depth(s) at which water(s) found; Kind of water)

For what purpose(s) is the water to be used? Cottage

Is well on upland, in valley, or on hillside? low ground

Drilling or Boring Firm L.H. McClennon & Son

Address Wellington Ont

Licence Number 265'

Name of Driller or Borer Wm Blackman

Address Wellington

Date July

L.H. McClennon

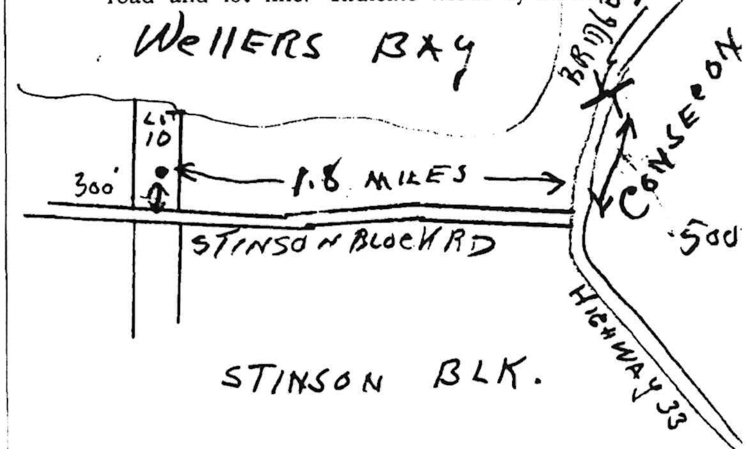
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M Sets 60-5930 1

OWRC COPY

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



UTM 1 8 Z 2 9 4 7 4 1 E
5 R 4 8 7 3 0 0 1 N
Elev. 4 R 0 2 7 8
Basin 2 4

30N13h

GROUND WATER BRANCH
SEP 20 1963 53 No 1467
ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act

WATER WELL RECORD

County ~~or District~~ Prince Edward Township, ~~Village, Town or City~~ - Hillier

Con. ~~B~~ STINSON BLOCK Lot 10 Date completed July 16, 1963. (day month year)

[redacted]ress 643 Glencairn Ave. Toronto 19, Ont.

Casing and Screen Record

Inside diameter of casing 6¼

Total length of casing 11½ ft.

Type of screen -

Length of screen -

Depth to top of screen -

Diameter of finished hole 6¼

Pumping Test

Static level 9 ft.

Test-pumping rate 15 G.P.M.

Pumping level empty

Duration of test pumping 1 hr.

Water clear or cloudy at end of test clear

Recommended pumping rate 3 G.P.M.

with pump setting of 26 feet below ground surface

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
clay gravel	0	11	25 ft.	fresh
greylimestone	11	29		

For what purpose(s) is the water to be used? household

Is well on upland, in valley, or on hillside? hillside

Drilling or Boring Firm L.H.McClennon & Son

Address Wellington, Ont.

Licence Number 843

Name of Driller or Borer Ken McClennon

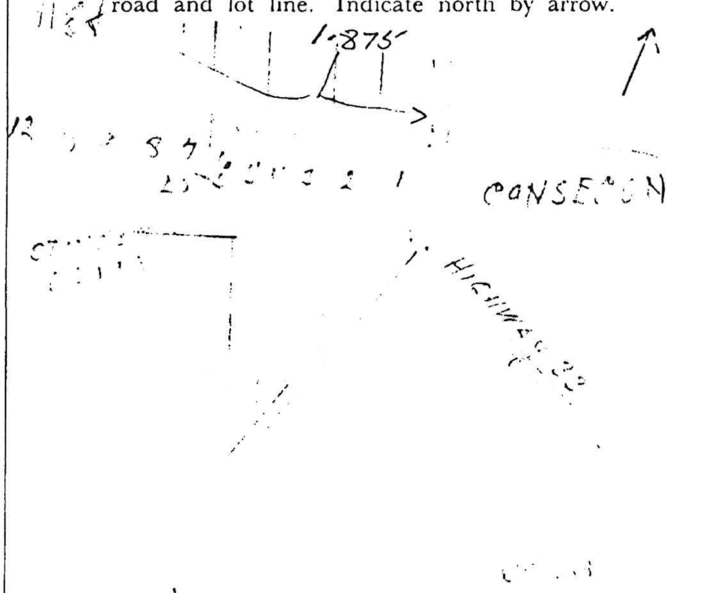
Address Wellington, Ont.

Date July 30, 1963.

L H McClennon
(Signature of Licensed Drilling or Boring Contractor)

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 7 10M-62-1152

OWRC COPY

CT

UTM 18 Z 294898 E

5 R 4873266 N Stinson

Elev. 5 R 0626 0 Lot

Basin 24

30N 13h

53 Nº 1468

The Ontario Water Resources Commission Act

WATER WELL RECORD

County ~~or District~~ Prince Edward Township, ~~Village, Town or City~~ Hillier

Con. Stinson Block Lot 10 Date completed June 26, 1965 (day month year)

[redacted]ess 4 Weeks Ave., Toronto, Ont.

Casing and Screen Record		Pumping Test	
Inside diameter of casing	6¼''	Static level	9 ft.
Total length of casing	8 ft.	Test-pumping rate	5 G.P.M.
Type of screen		Pumping level	20 ft.
Length of screen		Duration of test pumping	1 hr.
Depth to top of screen		Water clear or cloudy at end of test	clear
Diameter of finished hole	6¼''	Recommended pumping rate	5 G.P.M.
		with pump setting of	27 feet below ground surface

Well Log: Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
clay gravel	0	8	27 ft.	fresh
grey limestone	8	30		

For what purpose(s) is the water to be used? cottage use

Is well on upland, in valley, or on hillside? level ground

Drilling or Boring Firm L.H.McClennon & Son

Address Wellington, Ont.

Licence Number 1688

Name of Driller or Borer L.H.McClennon

Address Wellington, Ont.

Date June 30, 1965

L.H. McClennon

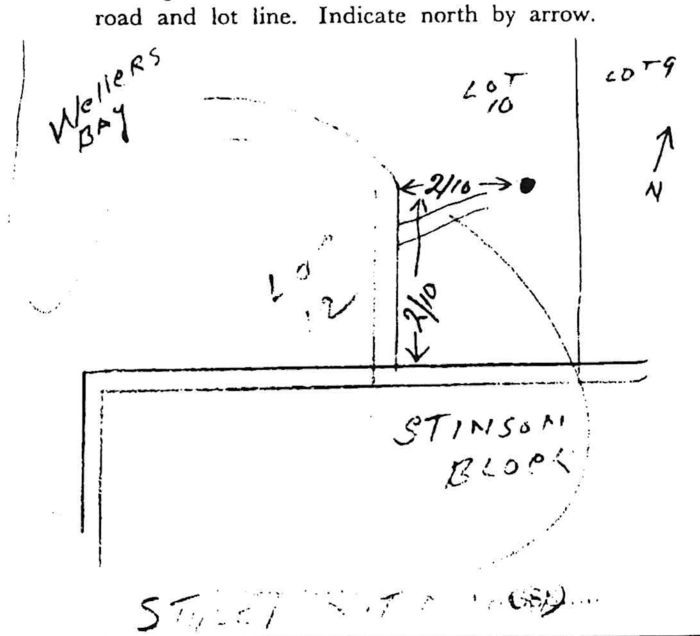
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



UTM 18 Z 294847 E

[illegible] N

Elev. 902610

Basin 24

30N 13.h

53 №. 1469

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Prince Edward — Township, ~~Village, Town or City~~ Hillier

Con. Stinson Block — Lot 10 — Date completed June 30, 1965 (day month year)

[redacted] ress RR#3, Consecon, Ont.

Casing and Screen Record		Pumping Test	
Inside diameter of casing	8''	Static level	5 ft.
Total length of casing	6 ft.	Test-pumping rate	10 G.P.M.
Type of screen		Pumping level	15 ft.
Length of screen		Duration of test pumping	2 hr.
Depth to top of screen		Water clear or cloudy at end of test	clear
Diameter of finished hole	8''	Recommended pumping rate	6 G.P.M.
		with pump setting of	22 feet below ground surface

Well Log / **Water Record**

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
clay gravel	0	6	22 ft.	fresh
brown limestone	6	25		

For what purpose(s) is the water to be used? commercial cottages (RENTALS)

Is well on upland, in valley, or on hillside? level ground

Drilling or Boring Firm L.H.McClennon & Son

Address Wellington, Ont.

Licence Number 1688

Name of Driller or Borer Ken McClennon

Address Wellington, Ont.

Date June 30, 1965

L H McClennon

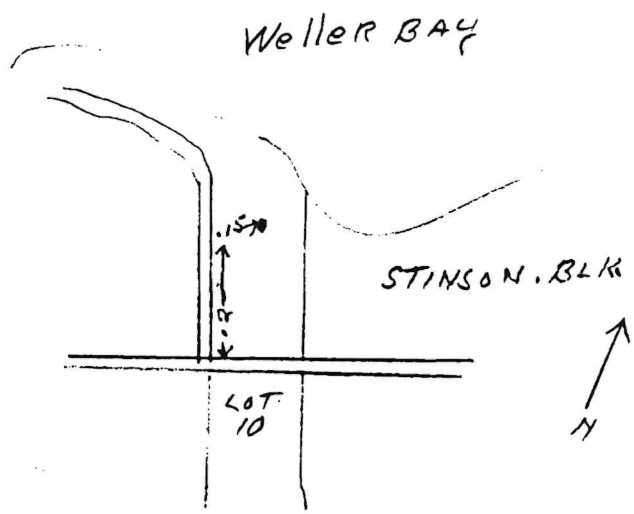
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



The Ontario Water Resources Commission Act

WATER WELL RECORD

30N / 13 h

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 5302137 | MUNICIP. 53004 | CON. SB

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
PRINCE EDWARD	HILLIER	STINSON BLOCK	009

OWNER (SURNAME FIRST) [redacted] ADDRESS RR#3 CONSECON, ONT. DATE COMPLETED DAY 19 MO 03 YR 70

NORTHING 873030 RC. 4 ELEVATION 0290 RC. 5 BASIN CODE 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	TO
BROWN	CLAY & SMALL STONES		PACKED	0	4'
GREY	LIMESTONE			4	69

31 | 0004095 12 | 0069 2 15

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0060	☒ FRESH ☐ SULPHUR ☐ SALTY ☐ MINERAL
	☐ FRESH ☐ SULPHUR ☐ SALTY ☐ MINERAL
	☐ FRESH ☐ SULPHUR ☐ SALTY ☐ MINERAL
	☐ FRESH ☐ SULPHUR ☐ SALTY ☐ MINERAL
	☐ FRESH ☐ SULPHUR ☐ SALTY ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	TO
08	☒ STEEL ☐ GALVANIZED ☐ CONCRETE ☐ OPEN HOLE	188	0	~~12~~ 0012
~~8~~			12	~~69~~
	☐ STEEL ☐ GALVANIZED ☐ CONCRETE ☒ OPEN HOLE			0069
	☐ STEEL ☐ GALVANIZED ☐ CONCRETE ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.) | DIAMETER INCHES | LENGTH FEET
MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: ☐ PUMP ☒ BAILER | PUMPING RATE 0020 GPM. | DURATION OF PUMPING 01 HOURS 10 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
016' FEET	069 FEET	044 FEET	019 FEET	018 FEET	017 FEET

WATER LEVELS DURING: ☐ PUMPING ☒ RECOVERY

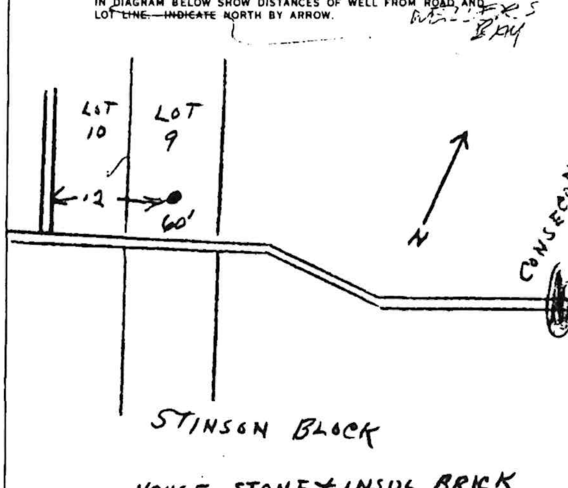
IF FLOWING, GIVE RATE GPM. | PUMP INTAKE SET AT FEET | WATER AT END OF TEST ☒ CLEAR ☐ CLOUDY

RECOMMENDED PUMP TYPE ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING 066 FEET | RECOMMENDED PUMPING RATE 0005 GPM.

000.4 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: HOUSE – STONE & INSUL BRICK

FINAL STATUS OF WELL
☒ WATER SUPPLY ☐ OBSERVATION WELL ☐ TEST HOLE ☐ RECHARGE WELL ☐ ABANDONED, INSUFFICIENT SUPPLY ☐ ABANDONED, POOR QUALITY ☐ UNFINISHED

WATER USE 01
☒ DOMESTIC ☐ STOCK ☐ IRRIGATION ☐ INDUSTRIAL ☐ OTHER ☐ COMMERCIAL ☐ MUNICIPAL ☐ PUBLIC SUPPLY ☐ COOLING OR AIR CONDITIONING ☐ NOT USED

METHOD OF DRILLING
☒ CABLE TOOL ☐ ROTARY (CONVENTIONAL) ☐ ROTARY (REVERSE) ☐ ROTARY (AIR) ☐ AIR PERCUSSION ☐ BORING ☐ DIAMOND ☐ JETTING ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: L.H. McClennon & son | LICENCE NUMBER 3516
ADDRESS: Wellington Ont
NAME OF DRILLER OR BORER: Jack Elliott | LICENCE NUMBER
SIGNATURE OF CONTRACTOR: L.H. McClennon | SUBMISSION DATE DAY 16 MO. 6 YR. 70

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 3516 | DATE RECEIVED 170670
DATE OF INSPECTION | INSPECTOR P/K
REMARKS:

OWRC COPY

The Ontario Water Resources Commission Act 30N/13 h

WATER WELL RECORD

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 5302240 | MUNICIP. 53004 | CON. SB

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
PRINCE EDWARD	HILLIER	STINSON BLOCK	010

OWNER (SURNAME FIRST) [redacted] NSECON RR.2.

DATE COMPLETED DAY 30 MO 09 YR 70

[redacted] 873160 RC 4 ELEVATION 0265 RC 5 BASIN CODE 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	TO
BROWN	CLAY GRAVEL	LARGE STONES		0	11
GREY	LIMESTONE			11	36

31 | 00116 05 11 12 0036 15

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0030	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	TO
08	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	0011
08	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		11	0036
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN: SIZE(S) OF OPENING (SLOT NO.) | DIAMETER INCHES | LENGTH FEET | MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER | PUMPING RATE 0020 GPM. | DURATION OF PUMPING 00 HOURS 15 MINS.

STATIC LEVEL 008 FEET | WATER LEVEL END OF PUMPING 036 FEET | WATER LEVELS DURING 1 ☐ PUMPING 2 ☒ RECOVERY: 15 MINUTES 010 FEET; 30 MINUTES 008 FEET; 45 MINUTES 008 FEET; 60 MINUTES 008 FEET

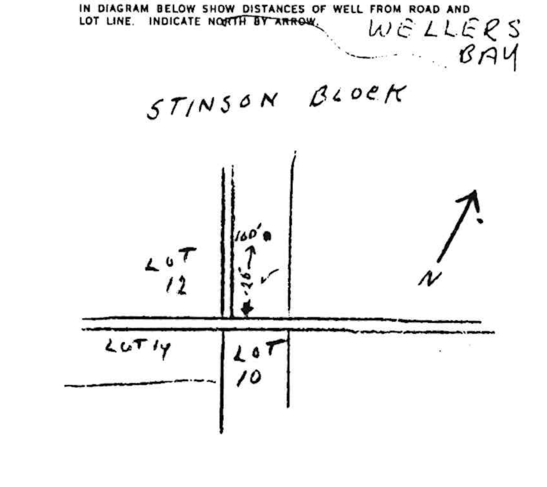
IF FLOWING, GIVE RATE GPM. | PUMP INTAKE SET AT FEET | WATER AT END OF TEST 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING 033 FEET | RECOMMENDED PUMPING RATE 0003 GPM.

0007 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL: 1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01: 1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING: 1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: L. H. McClennon & son | LICENCE NUMBER 3516

ADDRESS: Wellington Ont

NAME OF DRILLER OR BORER: Howard Everall | LICENCE NUMBER

SIGNATURE OF CONTRACTOR: L. H. McClennon | SUBMISSION DATE DAY MO YR

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 3516 | DATE RECEIVED 100271

DATE OF INSPECTION | INSPECTOR Km

REMARKS: P Km | WI

OWRC COPY

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

Ontario

30N/13h

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 5303076 | MUNICIP 5304 | CON SB

COUNTY OR DISTRICT: PRINCE EDWARD
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Hillier
CON., BLOCK, TRACT, SURVEY, ETC.: Stinson Blk
LOT: 010

[redacted]
96 POPPA LAVE BAY RIDGES. ONT.

DATE COMPLETED: DAY 28 MO. 10 YR. 74

UTM THING: 8.7.3.3.1.2 | RC | ELEVATION: 0250 | RC | BASIN CODE: 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	clay	gravel	packed	0	9
Grey	limestone		layered	9	45

31 | 0009605111 | 0045315
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0041	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
08"	2 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	0010
08"	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		10	0045
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE GPM	DURATION OF PUMPING HOURS	MINS
1 ☒ PUMP 2 BAILER	0006	01	00

STATIC LEVEL FEET	WATER LEVEL END OF PUMPING FEET	WATER LEVELS DURING 1 ☐ PUMPING 2 ☒ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
006	045 +3	015	008	006	006

IF FLOWING GIVE RATE GPM	PUMP INTAKE SET AT FEET	WATER AT END OF TEST 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE ☐ SHALLOW ☒ DEEP	RECOMMENDED PUMP SETTING 0042 FEET	RECOMMENDED PUMPING RATE 0006 GPM

50-53 ——•—— GPM./FT. SPECIFIC CAPACITY

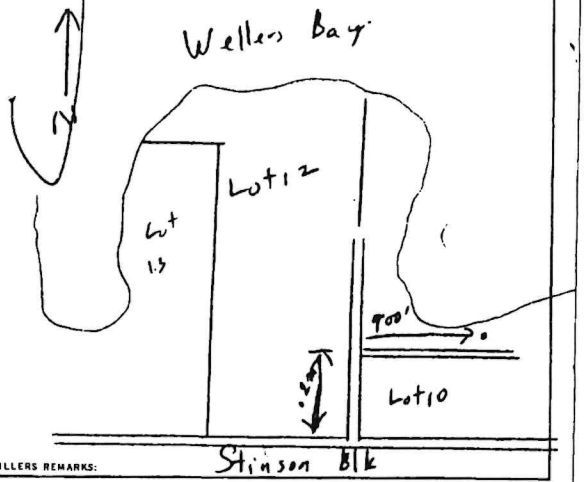
FINAL STATUS OF WELL 1
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING 4
1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☒ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

LOCATION OF WELL 9473

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

CONTRACTOR

NAME OF WELL CONTRACTOR: McKENNON DRILLING LTD | LICENCE NUMBER: 3516
ADDRESS: WELLINGTON ONT.
NAME OF DRILLER OR BORER: Kenneth McClennon. | LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: Kenneth McClennon | SUBMISSION DATE DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 3516 | DATE RECEIVED 251375
DATE OF INSPECTION | INSPECTOR Kim
REMARKS: P WI

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 MOE 07-091

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 5305651 — MUNICIP 53004 — CON.

COUNTY OR DISTRICT: [redacted]
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Hillier
CON, BLOCK, TRACT, SURVEY, ETC: Stinson Block
LOT: 11
[redacted] RR# 3 Consecon, Ontario
DATE COMPLETED: DAY 10 MO 6 YR 91
ELEVATION | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
	Clay			0	?
	Shale			?	15
	Limestone			15	55

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
47	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
47	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	0	20
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE OF OPENING (SLOT NO.) | DIAMETER (INCHES) | LENGTH (FEET)
MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN (FEET)

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD, PACKER, ETC.)
3	20	cement grout

71 PUMPING TEST

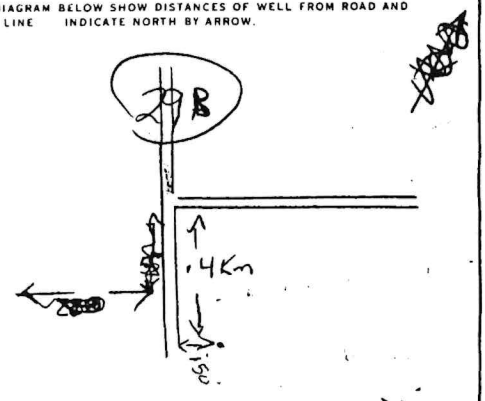
PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 30 GPM
DURATION OF PUMPING: 1 HOURS ___ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
18 FEET	30 FEET		30 FEET	30 FEET	30 FEET	30 FEET

IF FLOWING, GIVE RATE: ___ GPM
PUMP INTAKE SET AT: ___ FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP
RECOMMENDED PUMP SETTING: 30 FEET
RECOMMENDED PUMPING RATE: 30 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



73485

DRILLERS REMARKS

FINAL STATUS OF WELL: 1 ☒ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED; ☐ DEWATERING

WATER USE: 1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; ☐ OTHER; 9 ☐ NOT USED

METHOD OF CONSTRUCTION: 1 ☐ CABLE TOOL; 2 ☒ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING; ☐ DIGGING; ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Superior Well Drilling
WELL CONTRACTOR'S LICENCE NUMBER: 6028
ADDRESS: 17 Parker St. Belleville Ont.
NAME OF WELL TECHNICIAN: Kenny Desaulniers
WELL TECHNICIAN'S LICENCE NUMBER: T0004
SIGNATURE OF TECHNICIAN/CONTRACTOR: Kenny Desaulniers
SUBMISSION DATE: DAY ___ MO. ___ YR. ___

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 6028 | DATE RECEIVED OCT 21 1991
DATE OF INSPECTION | INSPECTOR
REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ontario Ministry of the Environment

8

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 — 5306824 — Municipality 53004 — Con. SB

County or District: PEC

Township/Borough/City/Town/Village: Hillier

Con block tract survey, etc.: Stinson Block

Lot: 10

[redacted]

Address: Trenton

Date completed: 25 (day) 05 (month) 01 (year)

21 — UTM — Northing — RC — Elevation — RC — Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
	Soil			0	2½
	Shale			2½	6
	Limestone			6	40

31

32

41 WATER RECORD

Water found at - feet	Kind of water
18-25	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☑ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6	1 ☑ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	188	0	15
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type:

Depth at top of screen feet

61 PLUGGING & SEALING RECORD

☑ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0	15	Cement

71 PUMPING TEST

Pumping test method: 1 ☐ Pump 2 ☑ Bailer

Pumping rate: 10 GPM

Duration of pumping: 1 Hours ... Mins

Water levels during: 1 ☐ Pumping 2 ☑ Recovery

Static level	Water level end of pumping	15 minutes	30 minutes	45 minutes	60 minutes
6 feet	20 feet	10 feet	9½ feet	9 feet	8½ feet

If flowing give rate: GPM

Pump intake set at: feet

Water at end of test: ☐ Clear ☑ Cloudy

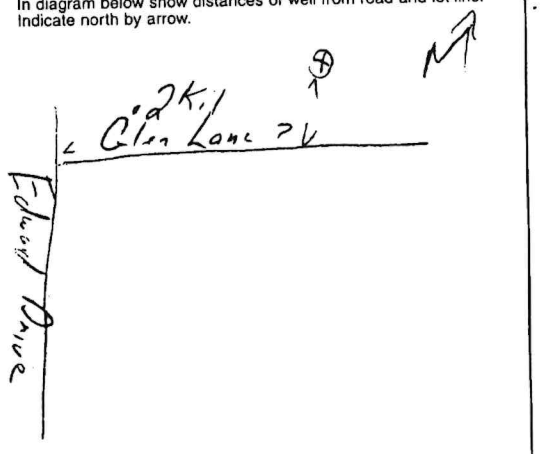
Recommended pump type: ☐ Shallow ☑ Deep

Recommended pump setting: feet

Recommended pump rate: GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line.
Indicate north by arrow.



207803

FINAL STATUS OF WELL

1 ☑ Water supply
2 ☐ Observation well
3 ☐ Test hole
4 ☐ Recharge well
5 ☐ Abandoned, insufficient supply
6 ☐ Abandoned, poor quality
7 ☐ Abandoned (Other)
8 ☐ Dewatering
9 ☐ Unfinished
10 ☐ Replacement well

WATER USE

1 ☑ Domestic
2 ☐ Stock
3 ☐ Irrigation
4 ☐ Industrial
5 ☐ Commercial
6 ☐ Municipal
7 ☐ Public supply
8 ☐ Cooling & air conditioning
9 ☐ Not use
10 ☐ Other

METHOD OF CONSTRUCTION

1 ☑ Cable tool
2 ☐ Rotary (conventional)
3 ☐ Rotary (reverse)
4 ☐ Rotary (air)
5 ☐ Air percussion
6 ☐ Boring
7 ☐ Diamond
8 ☐ Jetting
9 ☐ Driving
10 ☐ Digging
11 ☐ Other

Name of Well Contractor: Ed Campbell — Well Contractor's Licence No.: 1519

Address: Newburgh

Name of Well Technician: Ed Campbell — Well Technician's Licence No.: 7004

Signature of Technician/Contractor: Ed Campbell — Submission date: 25 (day) 05 (mo) 01 (yr)

MINISTRY USE ONLY

Data source — Contractor: 1519 — Date received: JUL 23 2001

Date of inspection — Inspector

Remarks

0506 (11/98) Front Form 9

2 - MINISTRY OF THE ENVIRONMENT COPY

Ontario Ministry of the Environment

The Ontario Water Resources Act

WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 5306957 Municipality 53004 Con SB

County or District: Prince Edward

Township/Borough/City/Town/Village: Hillier

Con block tract survey, etc.: St. Lawrence Block

Lot: Pt Lt 12

[redacted]

Address: RR#3 Consecon

Date completed: day 17 month 05 year 02

21 Northing RC Elevation RC Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
black	Topsoil			0	1
brown	Clay & Stones			1	8'
brown	Shale			8'	10'
Grey	Limestone			10'	50'

31

32

41 WATER RECORD

Water found at - feet	Kind of water
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type: | Depth at top of screen feet:

61 PLUGGING & SEALING RECORD

☐ Annular space ☒ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0	50	Concrete

71 PUMPING TEST

Pumping test method: 1 ☐ Pump 2 ☐ Bailer

Pumping rate: GPM

Duration of pumping: Hours Mins

Static level feet	Water level end of pumping feet	Water levels during: 1 ☐ Pumping 2 ☐ Recovery			
		15 minutes feet	30 minutes feet	45 minutes feet	60 minutes feet

If flowing give rate: GPM

Pump intake set at: feet

Water at end of test: ☐ Clear ☐ Cloudy

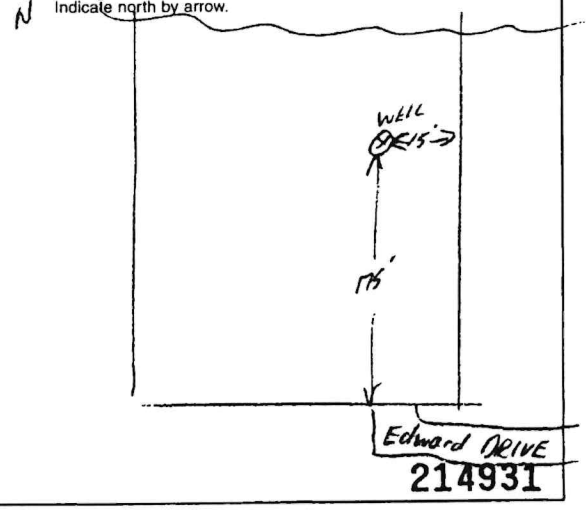
Recommended pump type: ☐ Shallow ☐ Deep

Recommended pump setting: feet

Recommended pump rate: GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line. Indicate north by arrow.



FINAL STATUS OF WELL

1 ☐ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☒ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE

1 ☐ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION

1 ☒ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air) 5 ☐ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

Name of Well Contractor: Alexander Well Drilling

Well Contractor's Licence No.: 6663

Address: RR#2 Carrying Place

Name of Well Technician: Dave Alexander

Well Technician's Licence No.: T-532

Signature of Technician/Contractor:

Submission date: day 17 month 05 year 02

MINISTRY USE ONLY

Data source

Contractor: 6663

Date received: JUN 06 2002

Date of inspection

Inspector

Remarks

0506 (11/98) Front Form 9

2 - MINISTRY OF THE ENVIRONMENT COPY

Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 5306958 Municipality 53004 Con. SB

County or District	Township/Borough/City/Town/Village	Con. block tract survey, etc.	Lot
PRINCE Edward	Hillier	Stinson Rack.	pt Lt 12

Address: RR#3 Consecon — Date completed: day 13 month 05 year 02

Northing | RC | Elevation | RC | Basin Code | 21

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
black	Topsoil			0	1'
brown	Clay & STONES			1'	8'
brown	Shale			8'	10'
GREY	LIMESTONE			10'	65'

31

32

41 WATER RECORD

Water found at - feet	Kind of water
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			20-23
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			27-30

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type | Depth at top of screen feet

61 PLUGGING & SEALING RECORD

☐ Annular space ☒ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0	65'	CONCRETE

71 PUMPING TEST

Pumping test method: 1 ☐ Pump 2 ☐ Bailer — Pumping rate: GPM — Duration of pumping: Hours Mins

Static level feet	Water level end of pumping feet	Water levels during: 1 ☐ Pumping 2 ☐ Recovery	15 minutes feet	30 minutes feet	45 minutes feet	60 minutes feet

If flowing give rate: GPM — Pump intake set at: feet — Water at end of test: ☐ Clear ☐ Cloudy

Recommended pump type: ☐ Shallow ☐ Deep — Recommended pump setting: feet — Recommended pump rate: GPM

FINAL STATUS OF WELL

1 ☐ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☒ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE

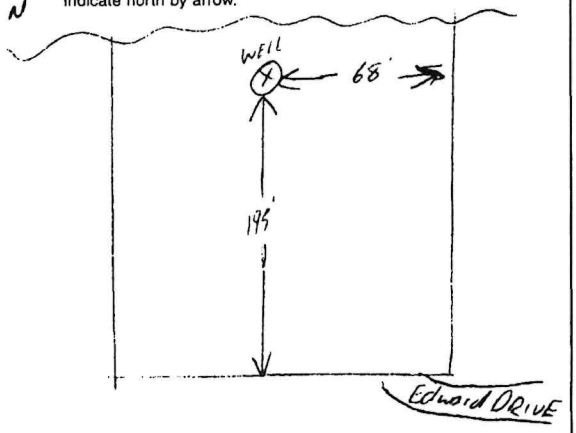
1 ☐ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION

1 ☒ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air) 5 ☐ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

LOCATION OF WELL

In diagram below show distances of well from road and lot line. Indicate north by arrow.



214932

Name of Well Contractor: ALEXANDER WELL DRILLING — Well Contractor's Licence No.: 6663

Address: RR#2 Carrying Place

Name of Well Technician: DAVE ALEXANDER — Well Technician's Licence No.: T-532

Signature of Technician/Contractor — Submission date: day 17 mo 05 yr 02

MINISTRY USE ONLY

Data source | Contractor: 6663 | Date received: JUN 06 2002

Date of inspection | Inspector

Remarks

0506 (11/98) Front Form 9

2 - MINISTRY OF THE ENVIRONMENT COPY

Ontario Ministry of the Environment

Well Tag Number (Plate number below): A 013920 / A013920

Well Record

Regulation 903 Ontario Water Resources Act

page 2 of 3

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.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

[redacted]

Address of Well Location (County/District/Municipality): PRINCE Edward | Township: Hillier | Lot: 11 | Concession:

RR#/Street Number/Name: RR#3 | City/Town/Village: Consecon | Site/Compartment/Block/Tract etc.: PLAN 10

GPS Reading: NAD 83 | Zone 18 | Easting 294634 | Northing 4873463 | Unit Make/Model: McGellan | Mode of Operation: ☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
Black	TOPSOIL			0	0.30
BROWN	Clay			0.30	3.66
GREY	Clay			3.66	4.88
GREY	LIMESTONE			4.88	13.72

Hole Diameter

Depth From	Metres	Diameter Centimetres
0	5.27	15.86
5.27	13.72	15.55

Water Record

Water found at Metres / Kind of Water

- 18.3 m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other untested
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was: ☐ Clear and sediment free ☒ Other, specify Cloudy - NOT SEDIMENT FREE

Chlorinated ☒ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To
Casing				
15.86	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.48	0.61 above Ground	5.27
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
15.55	☒ Open hole		5.27	13.72

Test of Well Yield

Pumping test method: Submersible

Pump intake set at - (metres): 11.59

Pumping rate (litres/minute): [redacted]

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping: 5.33 metres

Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump depth: 11.59 metres

Recommended pump rate: 27.27 (litres/min)

If flowing give rate - (litres/min):

If pumping discontinued, give reason:

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level	1.52			
1	2.47	1	4.66	
2	2.83	2	4.30	
3	3.20	3	4.05	
4	3.38	4	3.78	
5	3.47	5	3.56	
10	4.05	10	2.86	
15	4.48	15	2.25	
20	4.72	20	2.22	
25	4.91	25	2.04	
30	4.91	30	2.01	
40	5.18	40	1.83	
50	5.27	50	1.79	
60	5.33	60	1.67	

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	5.27	CONCRETE	

Method of Construction

☒ Cable Tool ☐ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

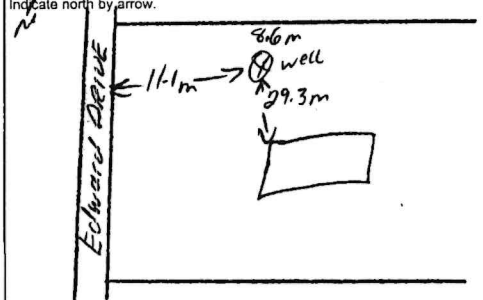
☒ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

☒ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No. Z 13988

Was the well owner's information package delivered? ☒ Yes ☐ No

Date Well Completed: 06 08 19 (YYYY MM DD)

Date Delivered: 06 08 23 (YYYY MM DD)

Well Contractor/Technician Information

Name of Well Contractor: ALEXANDER WELL DRILLING | Well Contractor's Licence No.: 6663

Business Address (street name, number, city etc.): RR#2 Carrying Place

Name of Well Technician (last name, first name): ALEXANDER DAVE | Well Technician's Licence No.: T-532

Signature of Technician/Contractor: X [signature] | Date Submitted: 06 08 23 (YYYY MM DD)

Ministry Use Only

Data Source | Contractor: 6663

Date Received: SEP 26 2006 (YYYY MM DD) | Date of Inspection (YYYY MM DD)

Remarks | Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☒

Cette formule est disponible en français

Ontario Ministry of the Environment

Well Tag No. (Place Sticker and/or Print Below)
A 065518
A0655 18

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

[redacted]

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
94 EDWARDS ST.	HILLIER	PT 2	STINSON BLOCK

County/District/Municipality	City/Town/Village	Province	Postal Code
PRINCE EDWARD	CONSTELLON	Ontario	K0K 1T0

UTM Coordinates NAD 83	Zone	Easting	Northing	GPS Unit Make	Model	Mode of Operation
	18	29 7623	4882119	GARMIN	ETREX	☒ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Overburden and Bedrock Materials (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	To
BROWN	TOPSOIL			0	.5
BROWN	CLAY.	STONE.		.5	1.5
BLUE	CLAY,	STONE.		1.5	4.73

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
0	3	NON TOXIC CAULKING	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Rotary (Air) ☒ Digging
☐ Air percussion ☐ Boring
☐ Other, specify _____

Water Use

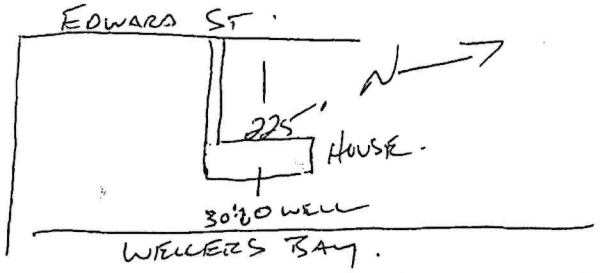
☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, specify _____

Status of Well

☒ Water Supply ☐ Dewatering Well ☐ Observation and/or Monitoring Hole
☐ Replacement Well ☐ Abandoned, Insufficient Supply ☐ Alteration (Construction)
☐ Test Hole ☐ Abandoned, Poor Water Quality ☐ Other, specify _____
☐ Recharge Well ☐ Abandoned, other, specify _____

Location of Well

Please provide a map below showing:
- all property boundaries, and measurements sufficient to locate the well in relation to fixed points,
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- vidigital pictures of inside of well can also be provided



Date Well Completed (yyyy/mm/dd)	Was the well owner's information package delivered?	Date the Well Record and Package Delivered to Well Owner (yyyy/mm/dd)
07 11 02	☒ Yes ☐ No	07 11 02

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
LOGIC WATER WELL SOLUTIONS	6512

Business Address (Street No./Name, number, RR)	Municipality
PO BOX 3033 RR7 BELLEVILLE	PRINCE EDWARD

Province	Postal Code	Business E-mail Address
ONT	K8N 4Z7	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
613 827 7474	KIM WILCOX

Well Technician's Licence No.	Signature of Technician	Date Submitted (yyyy/mm/dd)
11850		07 11 07

Results of Well Yield Testing

Check box if after test of well yield, water was:
☒ Clear and sand free
☐ Cannot develop to sand-free state

If pumping discontinued, give reason: THIS IS A DUG WELL WITH A RESERVOIR OF 500 GALS AND A FLOW RATE OF 6 GPM

Pumping test method: GAS PUMP.
Pump intake set at (Metres): 4.7
Pumping rate (Litres/min): 45
Duration of pumping: 1 hrs + 0 min
Final water level end of pumping (Metres): 4.0
Recommended pump type: ☒ Shallow ☐ Deep
Recommended pump depth: 4.7 Metres
Recommended pump rate (Litres/min): 45
If flowing give rate (Litres/min): 25

Draw Down Time (Min)	Draw Down Water Level (Metres)	Recovery Time (Min)	Recovery Water Level (Metres)
Static Level		Static Level	
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30	4.5	30	
40		40	
50		50	
60		60	

Water Details

Water found at Depth	Kind of Water
2.5 Metres ☐ Gas	☒ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals

Casing Used	Screen Used
☐ Galvanized	☐ Galvanized
☐ Steel	☐ Steel
☐ Fibreglass	☐ Fibreglass
☐ Plastic	☐ Plastic
☒ Concrete	☐ Concrete

No Casing and Screen Used

☐ Open Hole

Disinfected? ☐ Yes ☐ No

Casing and Well Details

Diameter of the Hole (Centimetres): 41 cm.
Depth of the Hole (Metres): 4.73 m.
Wall Thickness (Metres): ~~[illegible]~~ 10cm.
Inside Diameter of the Casing (Metres): 1m.
Depth of the Casing (Metres): 4.73.

Ministry Use Only

Audit No.	Well Contractor No.
Z62793	
Date Received (yyyy/mm/dd) NOV 22 2007	Date of Inspection (yyyy/mm/dd)
Remarks	

0506E (11/2006) Ministry's Copy

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☒ Imperial

Well Tag No. (Place Sticker and/or Print Below) A148361 Tag#: A148361

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
107 Edward Dr.	Hillier	12	Stinson Block
County/District/Municipality	**City/Town/Village**	**Province**	**Postal Code**
Prince Edward	Consecon	Ontario	K0K 1T0
UTM Coordinates Zone / Easting / Northing	**Municipal Plan and Sublot Number**	**Other**	
NAD 83 18 / 205529 / 4873451			

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	Loam		Loose	0	1
Grey	Limestone		Broken	1	4
Grey	Limestone		Hard	4	70

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
20	12	Pea Stone	
12	0	Bentonite	5.0

Method of Construction

☒ Cable Tool ☐ Diamond
☒ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☒ Air percussion
☐ Other, specify

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6.25	steel	.188	0	20

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
Casing Perforated			18	20

Status of Well

☒ 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

Water Details

Water found at Depth (m/ft)	Kind of Water	Water found at Depth (m/ft)	Kind of Water
20	☐ Fresh ☒ Untested ☐ Gas ☐ Other, specify		
			☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	20	10
20	70	6

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Chalk Well Drilling Ltd.	1507
Business Address (Street Number/Name)	**Municipality**
31 Johnsons Side Rd.	Napanee
Province / **Postal Code** / **Business E-mail Address**	
Ontario / K7R 3L1 / chalkwel kos.net	
Bus. Telephone No. (inc. area code)	**Name of Well Technician (Last Name, First Name)**
613-388-2809	Chalk, Kevin
Well Technician's Licence No.	**Signature of Technician and/or Contractor** / **Date Submitted**
T-627	Kevin Chalk per / 2013 08 12

Results of Well Yield Testing

After test of well yield, water was:
☒ Clear and sand free
☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft): 68

Pumping rate (l/min / GPM): 2.5 gpm.

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 51.9

If flowing give rate (l/min / GPM):

Recommended pump depth (m/ft): 68

Recommended pump rate (l/min / GPM): 50 gph.

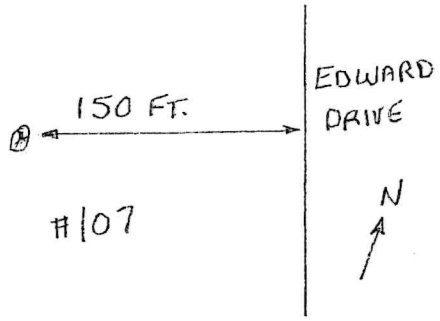
Well production (l/min / GPM): 50 gph.

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	8.5		51.9
1	12.4	1	51.5
2	13.7	2	50.7
3	14.8	3	50.0
4	15.8	4	49.3
5	16.7	5	48.6
10	20.1	10	47.4
15	23.7	15	45.0
20	27.0	20	42.6
25	30.7	25	40.5
30	33.4	30	38.0
40	40.4	40	34.8
50	46.1	50	30.9
60	51.9	60	27.2

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

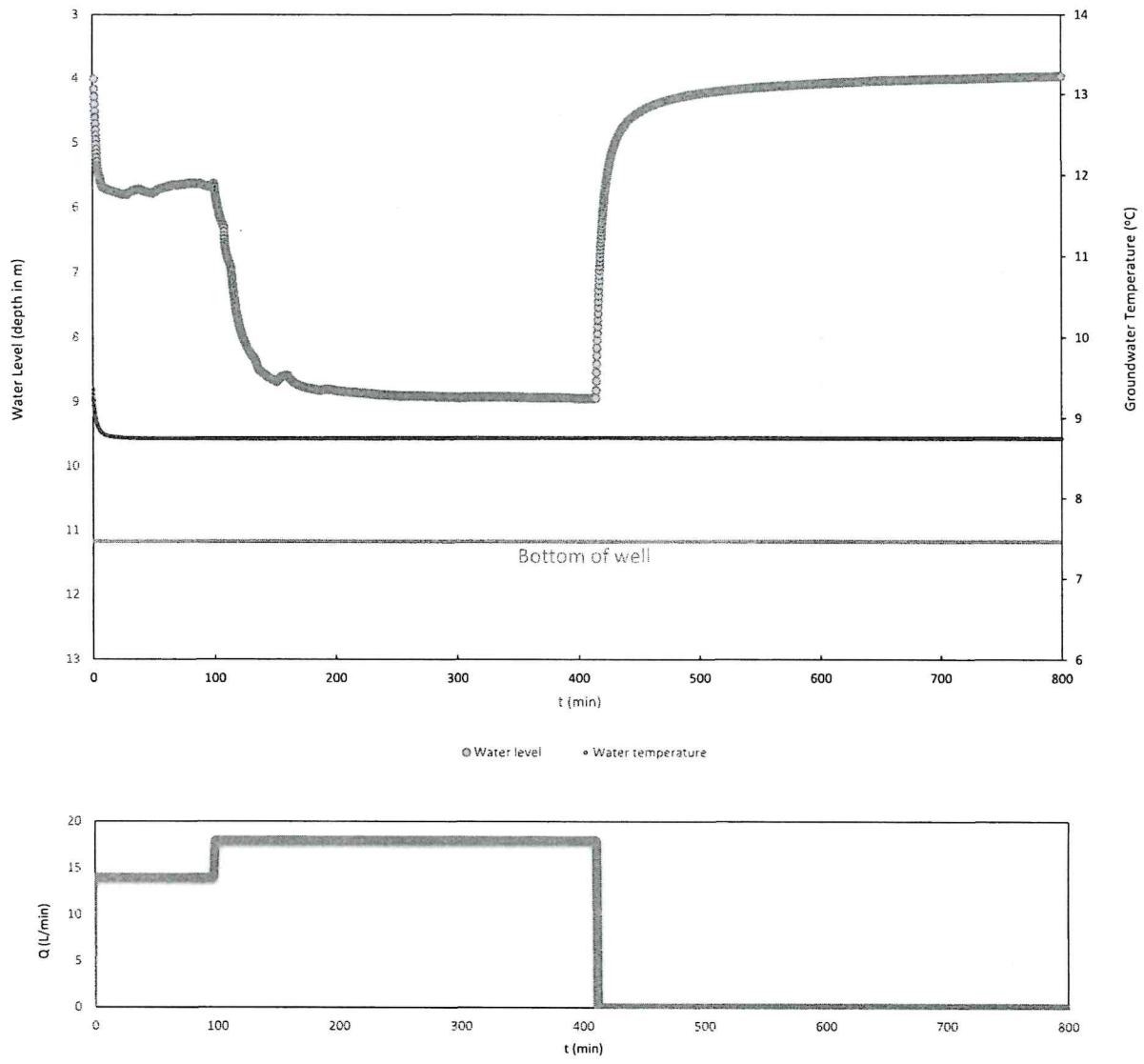
Well owner's information package delivered	Date Package Delivered	Ministry Use Only
☒ Yes ☐ No	Date Work Completed: 2013 08 12	Audit No. Z171875
		Received DEC 17 2013

0506E (2007/12) © Queen's Printer for Ontario, 2007

Ministry's Copy

Appendix B

Hydrographs

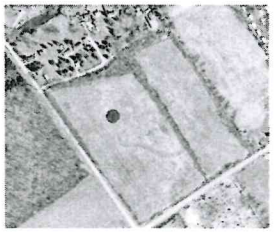


GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

1) Testing carried out on July 24, 2023
2) On-site pressure and temperature data collected using a Solinst Model 3001 datalogger transducer.
3) Water level data is not corrected for fluctuations in barometric pressure.

Key Plan:

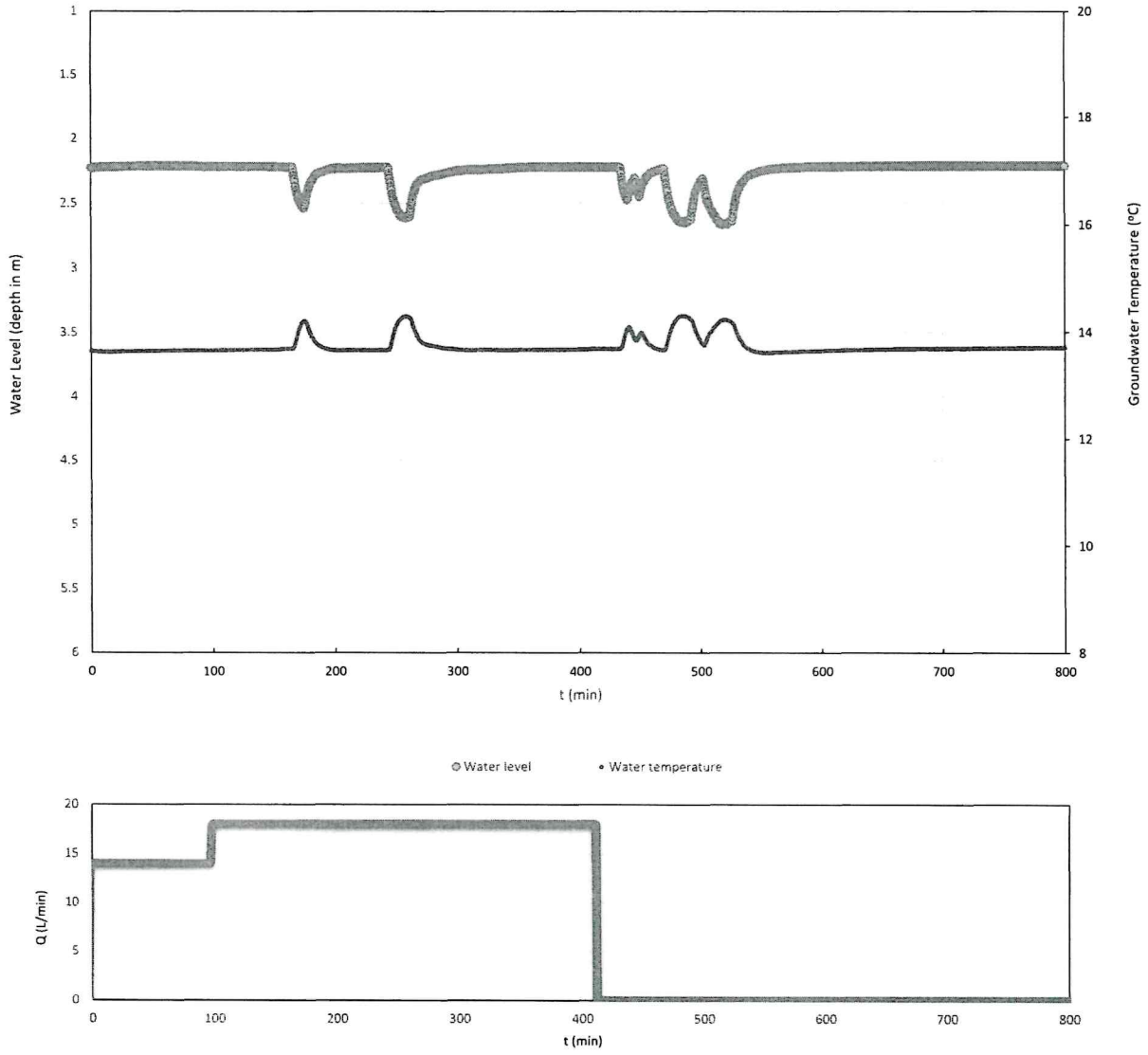


PROJECT 2334080:

HYDROGEOLOGICAL ASSESSMENT
PART OF STINSON BLOCK LOT 12
CONSECON, ONTARIO

FIGURE 1:

WELL HYDROGRAPH – A303826 (TW)
JULY 24, 2023



GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
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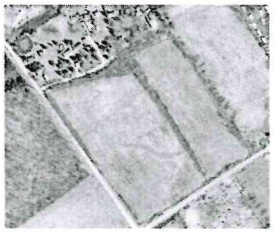
Key Plan:

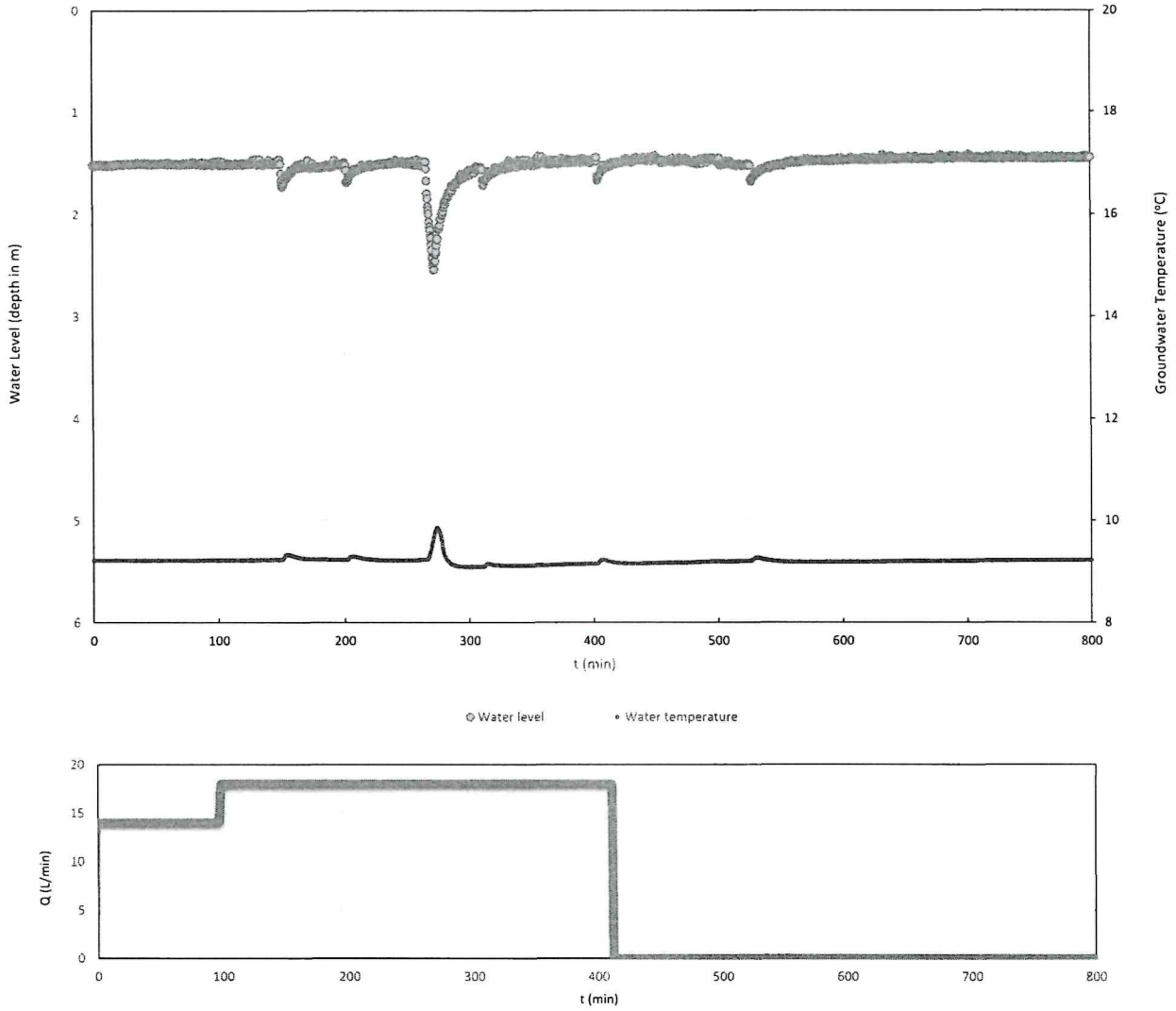


PROJECT 2334080 :

HYDROGEOLOGICAL ASSESSMENT
PART OF STINSON BLOCK LOT 12
CONSECON, ONTARIO

FIGURE 2:

WELL HYDROGRAPH – 82 EDWARD STREET (MW)
JULY 24, 2023



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NOTES:

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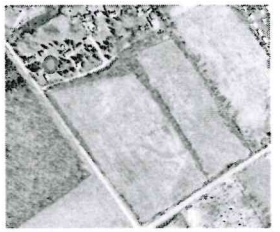
Key Plan:



PROJECT 2334080 :

HYDROGEOLOGICAL ASSESSMENT
PART OF STINSON BLOCK LOT 12
CONSECON, ONTARIO

FIGURE 3:

WELL HYDROGRAPH – 9 GLEN LANE (MW)
JULY 24, 2023

Appendix C

Laboratory Certificates of Analysis

CADUCEON ENVIRONMENTAL LABORATORIES
Client committed. Quality assured. Canadian owned.

CERTIFICATE OF ANALYSIS

Final Report

C.O.C.: Margaret Wright-Private

REPORT No: 23-018722 - Rev. 0

Report To:
The Greer Galloway Group
1620 Wallbridge-Loyalist Road, RR #5
Belleville, ON K8N 4Z5

CADUCEON Environmental Laboratories
285 Dalton Ave
Kingston, ON K7K 6Z1

Attention: Kirby Magee-Dittburner

DATE RECEIVED: 2023-Jul-25
DATE REPORTED: 2023-Aug-03
SAMPLE MATRIX: Ground Water

CUSTOMER PROJECT: Margaret Wright
P.O. NUMBER: 2334080

Analyses	Qty	Site Analyzed	Authorized	Date Analyzed	Lab Method	Reference Method
Anions (Liquid)	1	OTTAWA	PCURIEL	2023-Jul-28	A-IC-01	SM 4110B
Colour (Liquid)	1	OTTAWA	MDON	2023-Jul-27	A-COL-01	SM 2120C
Cond/pH/Alk Auto (Liquid)	1	OTTAWA	MDON	2023-Jul-26	COND-02/PH-02/ALK-02	SM 2510B/4500H/2320B
Coliforms - DC Media (Liquid)	1	KINGSTON	BBURTCH	2023-Jul-25	ECTC-001	MECP E3407
DOC/DIC (Liquid)	1	OTTAWA	VKASYAN	2023-Jul-27	C-OC-01	EPA 415.2
Fecal Coliforms (Liquid)	1	KINGSTON	BBURTCH	2023-Jul-25	FC-001	SM 9222D
ICP/OES (Liquid)	1	OTTAWA	NHOGAN	2023-Jul-28	D-ICP-01	SM 3120B
Ammonia (Liquid)	1	KINGSTON	AMANIYA	2023-Jul-31	NH3-001	SM 4500NH3
Organic Nitrogen (Liquid)	1	KINGSTON	KDIBBITS	2023-Aug-01	TPTKN-001	MECP E3516.2
Tannins (Liquid)	1	KINGSTON	EHINCH	2023-Aug-02	TAN-001	SM 5550
TP & TKN (Liquid)	1	KINGSTON	KDIBBITS	2023-Jul-28	TPTKN-001	MECP E3516.2
Turbidity (Liquid)	1	OTTAWA	MDON	2023-Jul-27	A-TURB-01	SM 2130B

R.L. = Reporting Limit
NC = Not Calculated
Test methods may be modified from specified reference method unless indicated by an *

R. Lecompte

Richard Lecompte
Laboratory Supervisor

Parameter	Units	R.L.	Client I.D.: TW1 Sample I.D.: 23-018722-1 Date Collected: 2023-07-24 -
Total Coliform (DC Media)	CFU/100mL	1	0
E coli (DC Media)	CFU/100mL	1	0
Background (DC Media)	CFU/100mL	1	0
Fecal Coliform	CFU/100mL	1	0
Alkalinity(CaCO3) to pH4.5	mg/L	5	286
pH @25°C	pH units	-	7.89
Conductivity @25°C	uS/cm	1	636
Colour	TCU	2	<2
Turbidity	NTU	0.1	0.6
Fluoride	mg/L	0.1	0.2
Chloride	mg/L	0.5	4.5
Nitrate (N)	mg/L	0.05	<0.05
Nitrite (N)	mg/L	0.05	<0.05
Sulphate	mg/L	1	4
Total Kjeldahl Nitrogen	mg/L	0.1	0.7
Ammonia (N)-Total (NH3+NH4)	mg/L	0.05	0.59
Organic Nitrogen	mg/L	0.1	<0.1
Dissolved Organic Carbon	mg/L	0.2	1.6
Tannin & Lignin	mg/L	0.5	<0.5
Hardness (as CaCO3)	mg/L as CaCO3	0.02	227
Calcium	mg/L	0.02	53.7

Richard Lecompte
Laboratory Supervisor

			Client I.D.	TW1
			Sample I.D.	23-018722-1
			Date Collected	2023-07-24
Parameter	Units	R.L.	-	
Copper	mg/L	0.002	0.004	
Iron	mg/L	0.005	0.075	
Magnesium	mg/L	0.02	22.6	
Manganese	mg/L	0.001	0.004	
Potassium	mg/L	0.1	5.1	
Silica	mg/L	2	8	
Sodium	mg/L	0.2	49.8	
Zinc	mg/L	0.005	0.009	

R. Lecompte

Richard Lecompte
Laboratory Supervisor

CADUCEON ENVIRONMENTAL LABORATORIES
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CERTIFICATE OF ANALYSIS

Final Report

C.O.C.: **Wright HydroG**

REPORT No: 23-020567 - Rev. 0

Report To:
The Greer Galloway Group
1620 Wallbridge-Loyalist Road, RR #5
Belleville, ON K8N 4Z5

CADUCEON Environmental Laboratories
285 Dalton Ave
Kingston, ON K7K 6Z1

Attention: Kirby Magee-Dittburner

DATE RECEIVED: 2023-Aug-09
DATE REPORTED: 2023-Aug-14
SAMPLE MATRIX: Ground Water

CUSTOMER PROJECT: Wright HydroG
P.O. NUMBER: 2334080

Analyses	Qty	Site Analyzed	Authorized	Date Analyzed	Lab Method	Reference Method
Coliforms - DC Media (Liquid)	1	KINGSTON	BBURTCH	2023-Aug-09	ECTC-001	MECP E3407
Fecal Coliforms (Liquid)	1	KINGSTON	BBURTCH	2023-Aug-09	FC-001	SM 9222D

R.L. = Reporting Limit
NC = Not Calculated
Test methods may be modified from specified reference method unless indicated by an *

		Parameter	Total Coliform (DC Media)	E coli (DC Media)	Fecal Coliform
		Units	CFU/100mL	CFU/100mL	CFU/100mL
		R.L.	1	1	1
Client I.D.	Sample I.D.	Date Collected	-	-	-
Resample	23-020567-1	2023-Aug-08	1	0	0

Brandon Burtch
Microbiology Supervisor