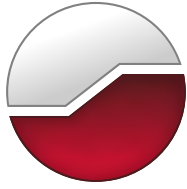




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**Phase One Environmental Site Assessment  
4 Campbell Reid Court  
Ottawa, Ontario**



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Submitted to:

Mr. Andrzej Olender  
1405 Houston Crescent  
Ottawa, Ontario  
K2W 1B6

**Phase One Environmental Site Assessment  
4 Campbell Reid Court  
Ottawa, Ontario**

September 30, 2021  
Project: 65013.01

GEMTEC Consulting Engineers and Scientists Limited  
32 Steacie Drive  
Ottawa, ON, Canada  
K2K 2A9

September 30, 2021

File: 65013.01

1405 Houston Crescent  
Ottawa, Ontario  
K2W 1B6

Attention: Mr. Andrzej Olender

**Re: Phase One Environmental Site Assessment  
4 Campbell Reid Court  
Ottawa, Ontario**

---

Enclosed is our Phase One Environmental Site Assessment report for the above-noted property. The report presented herein is based on the scope of work summarized in our proposal dated April 15, 2021. This report was prepared by Mohit Bhargav MScE, EIT and senior reviewed by Su-Kim Roy M.Eng., P.Eng.

Sincerely,



Mohit Bhargav, MScE, EIT  
Environmental Technician



Su-Kim Roy, M.Eng., P.Eng.  
Senior Environmental Engineer

MB/SKR

Enclosures:

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## EXECUTIVE SUMMARY

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by Mr. Andrzej Olender to carry out a Phase One Environmental Site Assessment (ESA) for the property located at 4 Campbell Reid Court in Ottawa, Ontario (hereafter referred to as the “subject property”). It is understood that this Phase One ESA is required to support a site plan control application for a future two storey commercial building development being considered for the property. The proposed commercial building will have a footprint of approximately 6,000 square feet (557.5 square metres (m<sup>2</sup>)). The proposed development will also include an asphalt surfaced access road, gravel surfaced parking sections, septic system, and a storm water management pond.

This Phase One ESA was completed in general accordance with the CSA Group standard Z768-01 (R2016) and general industry standards including Ontario Regulation (O.Reg.) 153/04 as amended. It is GEMTEC’s understanding that the zoning of the subject property will not be changing to a more sensitive land use and that the filing of a Record of Site Condition (RSC), as regulated by Ontario Regulation 153/04 under the Environmental Protection Act, will not be required.

The primary objective of this Phase One ESA was to identify any former or current potentially contaminating activities at the subject property and within the study area to develop a preliminary determination of the likelihood of contamination in soil or groundwater, and to determine the need for a Phase Two ESA. The general objectives were met though the evaluation of the information gathered from the review of records, an interview and a site reconnaissance.

Based on review of records and the site reconnaissance, one Area of Potential Environmental Concern (APEC) was identified on the subject property and are summarized below:

### **APEC 1 – Historical Importation of Fill Material of Unknown Quality (On-site)**

Through a review of aerial photographs, the subject property has had an on-site building (initial site development observed sometime after 1984) and therefore fill of unknown quality has likely been imported on-site in the past. Based on GEMTEC’s geotechnical report titled “*Geotechnical Investigation Proposed Commercial Building 4 Campbell Reid Court Ottawa Ontario*” dated July 12, 2021, the site is covered with a superficial layer of fill material, which was encountered at all test pits locations advanced during the geotechnical investigation. The fill material was variable across the site but can generally be described as dark brown/grey gravelly sandy silt with organics, rootlets, roots, cobbles, boulders, and construction debris. In addition, as per testimonial evidence from Mr. Olender, the western portion of the subject property was used as a storage site for fill material. The associated contaminants of potential concern are PAHs, M&I, PHCs F1-F4, and VOCs in soil and groundwater. This APEC is present across the property. *PCA#30 - Importation of Fill Material of Unknown Quality.*

GEMTEC concludes that there is a potential for soil and groundwater contamination at the subject property. As such, completion of a Phase Two ESA to investigate soil and groundwater quality on the subject property is recommended.

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## 1.0 INTRODUCTION

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by Mr. Andrzej Olender to carry out a Phase One Environmental Site Assessment (ESA) for the property located at 4 Campbell Reid Court in Ottawa, Ontario (hereafter referred to as the “subject property”). It is understood that this Phase One ESA is required to support a site plan control application for a future two storey commercial building development being considered for the property. The proposed commercial building will have a footprint of approximately 6,000 square feet (557.5 square metres (m<sup>2</sup>)). The proposed development will also include an asphalt surfaced access road, gravel surfaced parking sections, septic system, and a storm water management pond. The site location and study area are provided on Figure A.1, Appendix A.

This Phase One ESA was completed in general accordance with the CSA Group standard Z768-01 (R2016) and general industry standards including Ontario Regulation (O.Reg.) 153/04 as amended. It is GEMTEC’s understanding that the zoning of the subject property will not be changing to a more sensitive land use and that the filing of a Record of Site Condition (RSC), as regulated by Ontario Regulation 153/04 under the Environmental Protection Act, will not be required. The Phase One ESA was conducted by GEMTEC staff members whose qualifications are provided in Appendix B.

Currently, the subject property consists of a land parcel with an approximate area of 7,900 m<sup>2</sup> or 1.95 acres containing a two storey residential dwelling. The subject property is bound to the north by 2 Campbell Reid Court, to the east by Campbell Reid Court, to the west by Dunrobin Road and to the south by 6 and 8 Campbell Reid Court and March Road.

### 1.1 Phase One Property Information

The legal description for 4 Campbell Reid Court, Ottawa is as follows:

- PT LT 15 CON 3 MARCH PT 1, 5R13420 ; KANATA

The subject property is currently owned by A & G Olender Holdings Limited. The contact person for the subject property is Mr. Andrzej Olender.

## 2.0 SCOPE OF THE INVESTIGATION

### 2.1 General Objectives

The Phase One ESA was conducted in general accordance with CSA Group standard Z768-01, O.Reg. 153/04, as amended, and current industry standards. The general objectives of the Phase One ESA were:

- To develop a preliminary determination of the likelihood of contamination in soil or groundwater at the subject property; and,

- To determine the need for a Phase Two ESA.

The general objectives were met through the evaluation of the information gathered from the review of records, an interview and a site reconnaissance. Specific objectives for these components and the tasks completed to achieve these objectives are described in Section 2.2.

## 2.2 Records Review

In order to identify actual or potential sources of contamination within the study area, a review of information from the following sources was conducted:

- Bedrock and Overburden Geology Maps – Overburden and bedrock geology maps, provided by Natural Resources Canada, were reviewed in order to identify the underlying soil deposits and bedrock types on the subject property and in the study area.
- Title Abstract – A chain of title abstract for the subject property was provided by EcoLog ERIS and is included in Appendix C.
- EcoLog ERIS Databases – The EcoLog ERIS report searches more than 50 public and private information databases to identify potential environmental concerns. An EcoLog ERIS report was obtained for the subject property and a 250-metre-buffer surrounding the subject property. A copy of the EcoLog ERIS Report is provided in Appendix D.
- A records search was requested from the TSSA for the subject property (4 Campbell Reid Court) and adjacent properties located at 14 Campbell Reid Court and 640 and 1030 Cameron Harvey Drive in Ottawa, Ontario. The TSSA search results are provided in Appendix E.
- GeoOttawa and National Air Photo Library Aerial Photographs – Aerial photographs from the years 1965, 1976, 1991, 2005, 2011, 2015, and 2019 were reviewed for the subject property and the study area. The photographs were reviewed in order to identify areas of potential environmental concern resulting from historical land uses on the subject property and the surrounding areas. The 1945 and 1984 aerial photographs ordered as part of this investigation can be found in Appendix F. GeoOttawa aerials were reviewed, however they are not included as part of this report due to copyright limitations.
- Fire Insurance Maps and Reports – Based on our knowledge and prior experience completing Phase One ESAs for the vicinity, fire insurance plans were reviewed to assess the historical occupants in the study area, historical presence of storage tanks and general development of the study area over time.
- City Directories – Review of city directory listings and ownership history for the subject property were obtained from LGI Copy Service Canada to confirm the site development history. This information was used to assess the historical ownership/occupants at the subject property, the historical presence of USTs, industrial activities and development at the subject property. Full City Directory information could not be obtained due to current COVID-19 restrictions in place at the time of this reporting.

- Well Records – The Ministry of Environment, Conservation and Parks (MECP) Well Records for the subject property and a 250 meter buffer surrounding the subject property, were reviewed. A copy of the available MECP Well Records for the subject property and the buffer is provided in Appendix H.
- Freedom of Information (FOI) – FOI searches completed through the Ministry of the Environment, Conservation and Parks (MECP) consist of information obtained from documents and records from the Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch.
- “*Map of Federal Contaminated Sites Inventory*” prepared by Treasury Board of Canada Secretariat was reviewed.
- “*Ontario Inventory of PCB Storage Sites*” dated January 1992 and prepared by Ontario Ministry of the Environment (Waste Management Branch) was reviewed.
- “*Old Landfill Management Strategy – Phase 1 – Identification of Sites, City of Ottawa, Ontario*” dated October 2004 and prepared by Golder Associates Ltd. was reviewed.

## 2.3 Interview

The objective of the interview was to assist in the identification of Potentially Contaminating Activities (PCAs) that may have led to Areas of Potential Environmental Concern (APECs) at the subject property.

### 2.3.1 Interviews

An interview was carried out with Mr. Andrzej Olender on September 08, 2021. Mr. Olender is the owner and has approximately 5 years of knowledge with respect to the history and operations at the subject property and provided, to the best of his knowledge, a description of recent and past uses of the subject property and activities that could have contributed to contamination of on-site soil and groundwater.

## 2.4 Site Reconnaissance

The subject property was visually assessed on September 8, 2021 to document current conditions and to evaluate the potential for environmental impacts to on-site soil and groundwater. The site was also inspected to identify if any possible preferential pathways such as underground utilities exist on the subject property that may affect the fate, transport and distribution of contaminants. Adjacent properties were assessed from publicly accessible boundaries to evaluate the potential for environmental impacts to the subject property.

Photographs were taken to support pertinent observations and are provided in Appendix I.

## **3.0 RECORDS REVIEW**

### **3.1 General**

#### **3.1.1 Phase One Study Area Determination**

The subject property has an approximate area of 7,900 m<sup>2</sup> (1.95 acres) with a two storey residential building and is located at 4 Campbell Reid Court in Ottawa, Ontario. The western portion of the property (close to the intersection of March Road and Dunrobin Road) is vacant.

The current land use in the study area is primarily residential.

Based on this information, a study area of 250 metres surrounding the subject property is deemed sufficient for the purpose of this Phase One ESA. The location of the subject property and the extent of the Phase One ESA study area, including the 250-metre radius buffer zone, are provided on the Site Location Plan, Figure A.1, Appendix A.

#### **3.1.2 First Developed Use Determination**

Based on the review of selected historical aerial photographs, land use in the study area has historically been residential properties interspersed with some community use roadways. Some properties in the study area appear to be agricultural. The subject property was vacant up to sometime prior to 1984, after which it appears to have become occupied by a residential building. Vacant land around the subject property has been developed into residential lots since 1984. Since 1984, the land use within the study area appears to have remained the same.

#### **3.1.3 Fire Insurance Plans / Insurance Reports**

The original Fire Insurance Plans (FIPs) were produced by Chas. E. Goad Co. between 1875 and 1923. These plans mapped urban areas of Canada and provided property-specific information such as building construction, building occupancy and potential fire hazards.

Based on our knowledge and prior experience completing Phase One ESAs for the vicinity, no fire insurance plans are available for the subject property or within the study area. A written response from Opta Information is provided in Appendix G.

#### **3.1.4 Historical Reports**

No historical environmental site assessment or remediation reports were provided to GEMTEC for review. However, based on GEMTEC's geotechnical report titled "*Geotechnical Investigation Proposed Commercial Building 4 Campbell Reid Court Ottawa Ontario*" dated July 12, 2021, the site is covered with a superficial layer of fill material, which was encountered at all test pits locations advanced during the geotechnical investigation. The fill material was variable across the site but can generally be described as dark brown/grey gravelly sandy silt with organics, rootlets, roots, cobbles, boulders, and construction debris. In addition, analytical results from potable

groundwater sampling completed on-site in February of 2019 were available for the subject property and were provided to GEMTEC for review. Based on the results of the potable water sampling, the following exceedances to the Health Canada Guidelines for Canadian Drinking Water Quality criteria were noted:

**Table 3.1: Drinking Water Analytical Results**

Group	Analyte	MRL*	Units	Guideline**	Sample ID: Kitchen Tap
Anions	Chloride	1	mg/L	AO ≤ 250	799
General Chemistry	TDS (COND – CALC)	1	mg/L	AO ≤ 500	1960
Metals	Manganese	0.2	mg/L	AO ≤ 0.02	<0.1
	Sodium	2	mg/L	AO ≤ 200	596

**Notes:**

MRL\* - Method Reporting Limit

Guideline\*\* - Guidelines for Canadian Drinking Water Quality Summary Table, Health Canada (Federal-Provincial-Territorial Committee on Drinking Water of the Federal-Provincial-Territorial Committee on Health and the Environment)

AO – Aesthetic Objective

## 3.2 Environmental Source Information

### 3.2.1 Chain of Title

The Parcel Register Abstract for PIN is 04532-0181 (LT); and legal description for the subject property is PT LT 15 CON 3 MARCH PT 1, 5R13420; KANATA. A copy of the Parcel Register Abstracts is provided in Appendix C.

The property is currently owned by A & G Olender Holdings Inc. No PCAs were identified from the review of the title search.

### 3.2.2 EcoLog ERIS Database Report

GEMTEC contacted EcoLog Environmental Risk Information Services Ltd. (EcoLog ERIS) to conduct a search of over 50 public and private information databases for the subject property and the area within 250 metres of the subject property. The complete EcoLog Eris report, including a list of databases searched, is provided in Appendix D.

All listings in the EcoLog ERIS report were reviewed and the relevant highlights pertaining to potentially contaminating activities are as follows:

**Table 3.2: EcoLog ERIS Report Summary**

PCA	Address / Location	Distance from Subject Property	Company / Name	Description
Database: Ontario Regulation 347 Waste Generators Summary - GEN				
58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	15 Campbell Reid Court	145 m east	Gallagher's Garage Ltd.	Generator No. ON2046400 Listed as a garage (gen. repair) and listed as generator for waste oils & lubricants Approval year from 1995-2001

The unplotable report summary was reviewed to determine if any of the records were located on the subject property or within the study area. Many of the entries were located geographically by road name or company. Due to the uncertainty related to the entries describing these activities, the entries could not be confirmed as being present within the study area.

### 3.2.3 City Directories

A response to the City Directories request has not yet been received from the LGI Copy Service Canada (LGI). If the LGI's response identifies records with respect to the subject property which indicate areas of potential environmental concern which change the findings of this Phase One ESA, the client will be notified.

## 3.3 Regulatory Information

### 3.3.1 Freedom of Information

A Freedom of Information (FOI) request for records on the subject property was sent to the MECP in August 2021. FOI responses consist of information obtained from documents and records from the Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch.

A response to the FOI request has not yet been received from the MECP. If the MECP's response identifies records with respect to the subject property which indicate areas of potential environmental concern which change the findings of this Phase One ESA, the client will be notified.

### **3.3.2 Technical Standards and Safety Authority**

The Technical Standards and Safety Authority (TSSA) was contacted on August 26, 2021 to request available records regarding the subject property (4 Campbell Reid Court) and adjacent properties located at 15 Campbell Reid Court and 640 and 1030 Cameron Harvey Drive in Ottawa, Ontario.

The response from TSSA indicated that they have no records for the searched properties. A copy of the search request and the response from the TSSA are provided in Appendix E.

### **3.3.3 Mapping of Federal Contaminated Sites**

A Government of Canada, Treasury Board of Canada Secretariat, interactive map of contaminated sites was reviewed. The database provides an inventory of over 4,000 federally owned contaminated sites across the country. The database did not identify any federally owned contaminated sites within the study area.

### **3.3.4 Ontario Inventory of PCB Storage Sites**

The Waste Management Branch of the Ontario Ministry of the Environment, Conservation and Parks (MECP) published an Ontario Inventory of PCB Storage Sites in October 1991. The publication includes information of PCB storage sites collected under O.Reg 11/82 through MECP district and regional offices. The database did not identify any PCB storage sites within the study area.

### **3.3.5 Landfills**

Golder Associates Ltd. published an Old Landfill Management Strategy – Phase 1 – Identification of Sites, City of Ottawa, Ontario dated October 2004. The publication includes information to identify old landfill sites for potential environmental considerations within the boundary of the amalgamated City of Ottawa. The database did not identify any landfills on the subject property or within the study area.

## **3.4 Physical Setting Sources**

### **3.4.1 Aerial Photographs**

Aerial photographs were obtained at regular intervals and were selected considering suitable scale for analysis and coverage area. The earliest aerial photograph obtained was from 1965. Observations made with respect to the selected aerial photographs are summarized in Table 3.3.

**Table 3.3: Summary of Aerial Photograph Review**

Date	Photograph Number	Observations
1945	National Air Photo Library - NAPL	Although, the photo resolution is poor, the subject property appears to be vacant and covered with vegetation.
1954	National Air Photo Library - NAPL	No significant changes observed from the 1945 aerial photograph.
1965	GeoOttawa – Publically Available	No significant changes observed from the 1954 aerial photograph.
1976	GeoOttawa – Publically Available	No significant changes observed from the 1965 aerial photograph.
1984	National Air Photo Library - NAPL	A residential building appears to be present on the subject property with the western portion of the property covered with vegetation.
1991	GeoOttawa – Publically Available	No significant changes observed from the 1984 aerial photograph.
2002	GeoOttawa – Publically Available	The western portion of the subject property appears to be covered with fill material
2005	GeoOttawa – Publically Available	No significant changes observed from the 2002 aerial photograph.
2008	GeoOttawa – Publically Available	No significant changes with respect to the residential building, but the location of the septic tank appears to be covered with sand.
2011	GeoOttawa – Publically Available	No significant changes observed from the 2008 aerial photograph.
2015	GeoOttawa – Publically Available	The location of the septic tank now appears to be covered with vegetation (grass).
2019	GeoOttawa – Publically Available	The northern portion of the residential building, on the subject property, appears to be damaged due to a fire incident reportedly occurring in 2018/2019. No other changes with respect to the subject property were observed.

A copy of the 1945, and 1984 aerial photographs ordered as part of this investigation is provided in Appendix F.

Based on the review of selected historical aerial photographs, the subject property appears to be vacant up until sometime in 1984. Based on the historical development of the subject property (anticipated sometime between 1976 and 1984), fill of unknown quality has likely been imported to the property in the past, *PCA #30. Importation of Fill Material of Unknown Quality*. In addition, as per testimonial evidence from Mr. Olender, the western portion of the subject property was used as a storage site for fill material. No significant changes are observed for the subject property since 1984 except for a fire incident that reportedly took place sometime in 2018/2019. The northern portion of the residential building, on the subject property, appears to be damaged in the aerial photograph from 2019. The land parcels to the north of the subject property were vacant until sometime in 1984 as well. Several land parcels were developed and later occupied by residential buildings, which appear in the aerial photographs between 1984 and 2005. Since 2005, no significant changes have been observed for the study area.



### 3.4.2 Topography, Hydrology and Geology

A site topography map based on Ontario Basic Mapping is illustrated on the Figure A.3, Appendix A. The subject property has a relatively flat topography and is at an elevation of approximately 95 metres above sea level. Surrounding topography is relatively flat but generally slopes north and east towards the provincially significant wetland (Shirley's Bay), which is located approximately 1.5 kilometres (km) to the northeast of the subject property, and the Ottawa River, located approximately 5 km east of the site.

Surficial soil and bedrock geology maps of the Ottawa area indicate that the subsurface conditions are primarily characterized by shallow / at surface bedrock conditions i.e. dolostone and sandstone bedrock of the Beekmantown Group (Paleozoic bedrock). A soil type/description is not provided on the surficial soil maps.

Groundwater flow often reflects topographic features and typically flows toward nearby lakes, rivers and wetland areas. Based on the topography of the area, it is expected that regionally local shallow groundwater flow may trend north/easterly towards the Shirley's Bay and the Ottawa River.

### 3.4.3 Fill Materials

No stockpiled fill materials were observed on the subject property during the site reconnaissance. However, based on GEMTEC's geotechnical report titled "*Geotechnical Investigation Proposed Commercial Building 4 Campbell Reid Court Ottawa Ontario*" dated July 12, 2021, the site is covered with a superficial layer of fill material, which was encountered at all test pits locations advanced during the geotechnical investigation. The fill material was variable across the site but can generally be described as dark brown/grey gravelly sandy silt with organics, rootlets, roots, cobbles, boulders, and construction debris. In addition, fill material is anticipated to be present on the subject property based on historical development of the subject property and study area, and, as per testimonial evidence from Mr. Olender, the western portion of the subject property was used as a storage site for fill material in the past. *PCA#30 - Importation of Fill Material of Unknown Quality*.

### 3.4.4 Provincially Significant Wetlands and Areas of Natural Significance

Ontario's Ministry of Natural Resources and Forestry Natural Heritage Area Map was reviewed. No provincially significant wetland (PSWs) or Areas of Natural of Scientific Interest (ANSIs) were identified on the subject property or within the 250 m buffer zone study area.

### 3.4.5 Well Records

A copy of the Ministry of Environment, Conservation and Parks (MECP) Well Records for the subject property is provided in Appendix H; 21 wells were identified within this search radius however only 20 wells records were available. The locations of the adjacent wells, based on the UTM coordinates provided in the water well records, have been plotted on Figure A.3, Appendix A.

The MECP well records indicate that the soil stratigraphy in the area generally consists of sand / silty clay underlain by shallow bedrock (limestone/sandstone).

## **4.0 INTERVIEWS**

### **4.1 Interviews**

An in person interview was carried out with Mr. Andrzej Olender on September 08, 2021. Mr. Olender was identified as an interview candidate because he has approximately 5 years of knowledge with respect to the history and operations at the subject property. Details of the interview are summarized in the following sections. A summary of information obtained during the interviews is as follows:

- Mr. Olender confirmed that the subject property was developed as a residential property sometime between 1980 and 1990; and the subject property will be redeveloped into a mixed use (residential and commercial) subject property;
- Mr. Olender indicated that the shed/outhouse was constructed sometime in 2000;
- Mr. Olender confirmed that a fire incident took place at the subject property sometime in 2018/2019;
- Mr. Olender confirmed that the construction on the new residential building on the subject property was completed in 2021;
- Mr. Olender indicated that the building at the subject property is presently heated using natural gas. The previous building was also heated historically using natural gas fired heating system;
- Mr. Olender indicated that the building has central air conditioning;
- Mr. Olender confirmed that, to his knowledge, there were no underground or aboveground tanks on the subject property;
- Mr. Olender indicated that, to his knowledge, all debris including the foundation of the old building was taken for off-site disposal after the fire incident. The present building does not use any components of the old building;
- Mr. Olender confirmed that municipal water and sanitary sewers are not provided to the property by the City of Ottawa, but instead are serviced by on-site well and septic tanks. Other utilities including hydro and gas are being provided by utility providers; and,
- Mr. Olender mentioned that he is not aware of any prior environmental concerns/issues on the subject property.

### **4.2 Fire Incident at 4 Campbell Reid Court**

As per the testimonial evidence from Mr. Olender, the old building was demolished and all the debris including the foundation was taken for off-site disposal after the fire incident. However, it is not known whether the fire was extinguished using water or whether fire fighting foam was used.

At present, a response to the FOI request has not yet been received from the City of Ottawa. If the City of Ottawa's response **identifies records with respect to the use of firefighting foam which may have resulted in impacts to the property soil or groundwater**, the client will be notified. The use of fire fighting foam on-site, if confirmed, may result in the need for investigation of soil and groundwater quality on-site for contaminants of concern associated with these fire suppressing chemicals.

#### 4.3 Assessment and Evaluation of Interview

The interview, with Mr. Andrzej Olender, is consistent with historical records and other information sources.

No PCAs were identified during the site interviews/correspondence.

### 5.0 SITE RECONNAISSANCE

#### 5.1 General Requirements

A site reconnaissance was carried out on September 08, 2021, from approximately 08:30 am until 09:30 am. The weather at the time of the site reconnaissance was overcast with a temperature of approximately 22 °C.

The site reconnaissance was completed by Mr. Mohit Bhargav, MScE, EIT of GEMTEC. The site reconnaissance was carried out to determine if there were visually observable environmental concerns with the subject property and/or surrounding property uses.

##### 5.1.1 Site Photographs

Photographs of the subject property were taken during the course of the site reconnaissance to document the general condition of the site. Selected relevant photographs are presented in Appendix I as summarized in Table 5.1.

**Table 5.1: Summary of Site Photographs**

Plate Number	Orientation	Description
11	Outside – Western portion	Western portion of the subject property.
12	Outside – Western portion	Anticipated fill material on the subject property.
13	Outside – Western portion	Septic Tank location (with vent pipes).
14	Outside – Eastern portion	Debris closer to the septic tank.
15	Outside – Eastern portion	Outhouse.

Plate Number	Orientation	Description
16	Outside – Eastern portion	Eastern portion of the subject property including the driveway.
17	Inside – Residential building	Inside view of the residential building.
18	Inside – Residential building (basement)	Inside view of the basement.
19	Outside	Water well on the subject property.

### 5.1.2 Observations

The following observations were made for subject property:

- The subject property was occupied by a two storey residential building (with a gravel driveway) and was serviced by a septic tank system and a water well at the time of site reconnaissance;
- Two roadside drainage ditches were identified closer to western (parallel to Dunrobin Road) and the southern (parallel to March Road) boundary of the subject property;
- The western portion of the subject property appeared to be covered with non-native material (anticipated fill material); and,
- No visual or olfactory signs of contamination was identified across the subject property.

## 5.2 Specific Observations within the Study Area

### 5.2.1 Services

The subject property is not serviced (for water and sewer services) by the City of Ottawa, instead the subject property has a water well and a septic tank system. Other utilities including hydro and gas are being provided by utility providers. Catch basins were not located in the area.

### 5.2.2 Water Bodies and Areas of Natural Significance

Ontario's Ministry of Natural Resources and Forestry Natural Heritage Map was reviewed. No provincially significant wetland (PSWs) or Areas of Natural of Scientific Interest (ANSIs) were identified on the subject property or within the 250 m buffer zone study area. However, Shirley's Bay, a provincially significant wetland, is located approximately 1.5 kilometres (km) to the northeast of the subject property.

### 5.2.3 Surrounding Properties

The following general observations were made for the properties adjacent to and surrounding the subject property:

- A residential property (2 Campbell Reid Court) is present to the north of the subject property;
- Campbell Reid Court is present along the eastern boundary of the subject property followed by residential properties;
- Dunrobin Road and March Road are present along the southern and the western boundaries of the subject property respectively; and,
- Residential properties (6 and 8 Campbell Reid Court) are present to the south of the subject property.

Potentially Contaminating Activities (PCAs) were identified within the general study area and are summarized below:

- Duntech Automotive Limited located at 15 Campbell Reid Court, southeast of the subject property - *PCA #10 – Commercial Autobody Shops and PCA #58 Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.*

### **5.3 Hazardous Materials**

#### **5.3.1 Lead**

Under the federal Hazardous Products Act, the lead content in interior paint was limited to 0.5% by weight in 1976. After 1980, lead was not used in interior paints; however, exterior paints may have still contained lead. All consumer paints produced and imported into Canada were virtually lead-free as of 1992.

As per testimonial evidence from Mr. Olender, the previous building was demolished and the debris (including foundation) was taken for off-site disposal sometime between 2019 and 2020. In addition, the new residential building was constructed in 2021. Based on the year of site development (in 2021), the presence and the use of lead based paints on the subject property is unlikely.

#### **5.3.2 Mercury**

Mercury is commonly found in thermostats and electrical switches, as well as mercury vapour-containing fluorescent light bulbs.

As per testimonial evidence from Mr. Olender, the previous building was demolished and the debris (including foundation) was taken for off-site disposal sometime between 2019 and 2020. In addition, the new residential building was constructed in 2021. Based on the year of site development (in 2021), the presence of mercury containing items on the subject property is unlikely.

### **5.3.3 Storage Tanks**

No storage tanks were observed on the subject property during the site reconnaissance.

### **5.3.4 Polychlorinated Biphenyl (PCBs)**

From the 1930s to the 1970s, PCBs were used to make coolants and lubricants for certain kinds of electrical equipment, including transformers and capacitors, and were widely used in a number of industrial materials including sealing and caulking compounds, inks, and paint additives. PCBs are an environmental concern as they do not readily degrade and have been identified to bio-accumulate. In Canada, the Federal Environmental Contaminants Act (1976) prohibited the use of PCBs in heat transfer and electrical equipment installed after September 1, 1977, and in transformers and capacitors installed after July 1, 1980. In addition, the storage and disposal of PCB waste materials is regulated.

No pole mounted or pad mounted transformers were identified on the subject property but pole mounted transformers were present in the study area at the time of site reconnaissance.

### **5.3.5 Asbestos Containing Materials (ACM)**

Asbestos has been used in many products in buildings and continues to be used in some building products today. Two categories of asbestos were used in building construction (i) non-friable asbestos-containing materials (ACMs), and (ii) friable ACMs. Products that contain non-friable (hard or non-crumbly) asbestos include floor tiles, cement sheeting and pipes, motor vehicle brakes, and roofing materials. The use of these products has declined significantly since the 1970s; however, these products are still legal and are still used in Canada today. Friable asbestos materials can be crumbled, pulverized, or reduced to powder by hand pressure. Due to the softer nature of these products, the fibres can more readily be released to the air where they can be inhaled. Most friable products were withdrawn from the Canadian market in the 1970s, and production of friable products ceased, and they were commercially unavailable by 1982. However, it was not until 1985 that provincial regulatory bodies enforced a complete ban on friable asbestos products. Common friable products included sprayed fireproofing, sprayed acoustic or decorative finishes, and thermal insulation on piping or mechanical systems.

As per testimonial evidence from Mr. Olender, the previous building was demolished and the debris (including foundation) was taken for off-site disposal sometime between 2019 and 2020. In addition, the new residential building was constructed in 2021. Based on the year of site development (in 2021), the presence of ACM building materials on the subject property is unlikely.

### **5.3.6 Urea Formaldehyde Foam Insulation (UFFI)**

UFFI became an insulation product for existing houses in Canada in the 1970s; however, it was banned in Canada in 1980 under the Hazardous Products Act. UFFI can begin to deteriorate if exposed to water and moisture, and its degradation can also result in formaldehyde gas emissions.

As per testimonial evidence from Mr. Olender, the previous building was demolished and the debris (including foundation) was taken for off-site disposal sometime between 2019 and 2020. In addition, the new residential building was constructed in 2021. Based on the year of site development (in 2021), the presence of UFFIs on the subject property is unlikely.

### **5.3.7 Solid Waste Disposal Practices**

Domestic waste is generated the subject property. Regular municipal waste collection is available in the study area.

### **5.3.8 Ozone Depleting Substances**

In 1998, the Federal government filed the Ozone-Depleting Substances Regulations. The Regulations reflect Canada's commitment to meet its requirements under the Montreal Protocol on Substances that Deplete the Ozone Layer. The Montreal Protocol is an international agreement signed by over 180 countries to control the production and exchange of certain ozone-depleting substances. The Regulations are intended to further reduce emissions of ozone-depleting substances. The Regulations were amended in 2001, 2002, and 2004.

Central air conditioning and refrigerators were present in the building at the subject property. Type of refrigerant used was unknown, but the presence of ozone depleting substances is unlikely.

### **5.3.9 Radon Gas**

Radon is a colourless, tasteless radioactive gas with a very short half-life of 3.8 days. The health risk potential of radon is associated with its rate of accumulation within confined areas, particularly confined areas near or in the ground, such as basements, where vapours can readily transfer to indoor air from the ground through foundation cracks or other pathways. Large, adequately ventilated rooms generally present limited risk for radon exposure.

Based on GEMTECs review of the map entitled 'Radon Potential Map Ontario', the subject property is within a guarded potential (Zone 3) radon hazard area (REMC, 2011).

Actual radon concentrations can only be determined using Long-term Measurement techniques, as described within Health Canada's 'Guide for Radon Measurements in Public Buildings' document (Health Canada, 2016).

## **5.4 Unidentified Substances**

No unidentified substances were identified at the time of the site reconnaissance.

## **5.5 Odours**

No odours were identified at the time of the site reconnaissance.

## **5.6 Water, Wastewater and Storm Water**

The subject property currently generates domestic wastewater. Additionally, the subject property is not serviced (for water and sewer services) by the City of Ottawa, instead has a water well and a septic tank system. Storm water is expected to infiltrate ground or flow northeasterly towards Shirley's Bay.

## **5.7 Pits, Ponds and Lagoons**

No pits, ponds or lagoons were observed at the time of the site reconnaissance.

## **5.8 Stained Materials and Stressed Vegetation**

No stained materials and stressed vegetation were observed at the time of the site reconnaissance.

## **5.9 Watercourses, Ditches or Standing Water**

No watercourses or standing water were identified during site reconnaissance. Two roadside drainage ditches were identified closer to western (parallel to Dunrobin Road) and the southern (parallel to March Road) boundary of the subject property.

## **6.0 REVIEW AND EVALUATION OF INFORMATION**

### **6.1 Current and Past Uses**

The property has been registered to A & G Olender Holdings Limited for approximately 5 years. The contact person for the subject property is Mr. Andrzej Olender.

### **6.2 Potentially Contaminating Activities**

PCAs within the Phase One ESA study area and resulting APECs on the subject property are summarized in Table 6.1. PCA locations are shown on Figure A.1, Appendix A.



**Table 6.1: Summary of Potentially Contaminating Activities**

PCA Code	Address / Location	Distance from Subject Property	Company / Name	Description	Source	PCA Resulted in APEC / No APEC Rationale
30	4 Campbell Reid Court	Subject property	N/A	Based on historical development of the subject property and activities at the subject property	Site Reconnaissance, Geotechnical Report "Geotechnical Investigation Proposed Commercial Building 4 Campbell Reid Court Ottawa Ontario"	Yes On the subject property
10, 58	15 Campbell Reid Court	145 m east	Gallagher's Garage Ltd.	Generator No. ON2046400 Listed as a garage (gen. repair) and listed as generator for waste oils & lubricants Approval year from 1995-2001	ERIS	No Based on distance from site and anticipated groundwater flow direction

**Notes:**

PCA Codes:

10. Commercial Autobody Shops

30. Importation of Fill Material of Unknown Quality

58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.

### 6.3 Areas of Potential Environmental Concern

The available information was reviewed in a comprehensive manner starting with historical environmental records and information, followed by the results of the site reconnaissance and the results of the interviews. These three components were evaluated using professional experience, judgment and available documentation to determine PCAs. Available historical records were cross-referenced with other records to verify their accuracy. The observations from the site reconnaissance and information provided through the interview validated the available historical records for the subject property, and vice versa. The PCAs were reviewed in order to identify APECs for the subject property.

One APEC was identified on the subject property, as summarized below in Table 6.2.

**Table 6.2: EcoLog ERIS Report Summary**

APEC #	Location with respect to the Subject Property	Type of PCA	Description	Media	Contaminants of Potential Concern (COPC)
1	Western portion of the subject property	PCA #30. Importation of Fill Material of Unknown Quality	Based on historical development of the subject property and activities at the subject property	Soil/Fill Groundwater	PAHs, M&I, PHC F1-F4, VOCs

**Notes:**

PAHs – Polycyclic Aromatic Hydrocarbons  
M&I – Metals and Inorganics  
PHCs F1-F4 – Petroleum Hydrocarbon Four Fractions  
VOCs – Volatile Organic Compounds

#### 6.3.1 APEC 1 – Historical Importation of Fill Material of Unknown Quality (On-site)

Through a review of aerial photographs, the subject property has had an on-site building (initial site development observed sometime after 1984) and therefore fill of unknown quality has likely been imported on-site in the past. Based on GEMTEC’s geotechnical report titled “*Geotechnical Investigation Proposed Commercial Building 4 Campbell Reid Court Ottawa Ontario*” dated July 12, 2021, the site is covered with a superficial layer of fill material, which was encountered at all test pits locations advanced during the geotechnical investigation. The fill material was variable across the site but can generally be described as dark brown/grey gravelly sandy silt with organics, rootlets, roots, cobbles, boulders, and construction debris. In addition, as per testimonial evidence from Mr. Olender, the western portion of the subject property was used as a storage site for fill material. The associated contaminants of potential concern are PAHs, M&I, PHCs F1-F4, and VOCs in soil and groundwater. This APEC is present across the property. *PCA#30 - Importation of Fill Material of Unknown Quality.*

## 6.4 Phase One Conceptual Site Model

Based on the historical review, site interviews, and site reconnaissance, GEMTEC concludes that there is potential for soil and groundwater contamination at the subject property. Information presented in this report that contributes to the development of the CSM is presented as applicable in Figures A.1 through A.3 and summarized as follows:

- The subject property had two storey residential building which was constructed sometime between 1975 and 1984;
- A fire incident took place at the subject property sometime in 2018/2019. The old residential structure damaged by the fire was reportedly demolished and removed from the site and a new residential building was constructed on the subject property which was completed in 2021;
- The building on the subject property is fully serviced by a water well and a septic tank system on site;
- Surrounding properties are primarily residential properties interspersed with community land use (i.e., ROWs);
- A copy of the Ministry of Environment, Conservation and Parks (MECP) Well Records for the subject property is provided in Appendix H; 21 wells were identified within this search radius however only 20 wells records were available. The locations of the adjacent wells, based on the UTM coordinates provided in the water well records, have been plotted on Figure A.3, Appendix A.
- The MECP well records indicate that the soil stratigraphy in the area generally consists of sand / silty clay underlain by shallow / at surface bedrock (limestone/sandstone).
- No provincially significant wetlands (PSWs) were identified on the subject property or within the study area;
- No Areas of Natural or Scientific Interest (ANSIs) were identified on the subject property or within the study area;
- The subject property has a relatively flat topography and is at an elevation of approximately 94 metres above sea level. Surrounding topography is relatively flat but generally slopes east towards the Ottawa River, which is located approximately 5 km to the north / east of the subject property;
- Surficial soil and bedrock geology maps of the Ottawa area indicate that the subsurface conditions are primarily characterized by fill material underlain by shallow bedrock (sandstone/limestone).; and,
- Based on the review of records, the interview and the site reconnaissance completed as part of the Phase One ESA, GEMTEC identified two PCAs for the subject property and study area, which resulted in one APEC identified as being present on the subject property.

Information considered for the development of this CSM was gathered from numerous sources (i.e. aerial photographs, city directories, environmental database searches, physical setting sources, interview and a site reconnaissance), which reduces the potential for not identifying a former property use or PCA.

#### **6.4.1 Underground Utilities**

There is potential for underground utilities to affect contaminant transport for the subject property, if contaminants are present.

#### **6.4.2 Discussion of Uncertainty**

There is uncertainty with the Phase One Conceptual Site Model associated with using well record data, topographic and geology maps from external sources. Information based on these sources may have changed since publishing due to construction, seasonal variations, or other factors.

In addition, at the time of this reporting, it is uncertain whether or not the on-site fire incident which occurred in the past was suppressed using water or fire fighting foam (or a combination of both). If pending information indicates that the fire was suppressing using fire fighting foam, additional investigation of soil and groundwater quality on-site for contaminants of concern associated with these fire suppressing chemicals may be warranted.

### **7.0 CONCLUSIONS AND RECOMMENDATIONS**

Based on GEMTEC's review of available historical information pertaining to the subject property and adjacent properties, the interview completed and site reconnaissance undertaken, one APEC was identified to be present on the subject property.

GEMTEC concludes that there is a potential for soil and groundwater contamination at the subject property. As such, completion of a Phase Two ESA to investigate soil and groundwater quality on the subject property is recommended.

## 8.0 REFERENCES

ERIS Database Report, August 30, 2021. 65103.01 4 Campbell Reid Court Kanata ON K2K 1X7. Order No 21041400009.

ERIS Historical Aerials, September 27, 2021. 65103.01 4 Campbell Reid Court Kanata ON K2K 1X7. Order No 21041400009.

Geography Network Canada (GNC). October 2004. Ontario Basic Mapping Accessed: September 2021.

Google Earth 6.0. Map, Buildings data layer. Accessed: September 2021.

Ministry of Natural Resources. 2014. Make a natural heritage area map. Accessed: September 2021.

City of Ottawa and Golder Associates. Old Landfill Management Strategy, Phase 1 – Identification of Sites, City of Ottawa, Ontario. 2004. Accessed: September 2021.

Environmental Systems Research Institute (ESRI). ArcGIS Desktop: Small\_Landfills. 2014. Accessed: September 2021.

The City of Ottawa (GeoOttawa). 2000, last updated 2017. Accessed: September 2021.

Ontario Ministry of the Environment, Conservation and Parks (MECP). Map: Well Records. Updated January 2020. Accessed: September 2021.

Ontario Ministry of the Environment, Conservation and Parks (MECP). Ontario Regulation 153/04, Made under the Environmental Protection Act, Part XV.1 – Records of Site Condition. October 31, 2011 updated January 1, 2014.

Ontario Ministry of the Environment (Waste Management Branch). January 1992. Ontario Inventory of PCB Storage Sites October 1991. Accessed: September 2021.

Radon Environmental Management Corporation. Radon Potential Map Ontario. 2013. Accessed: September 2021.

Treasury Board of Canada - Secretariat. Mapping of Federally Contaminated Sites. Assessed: September 2021.

## 9.0 LIMITATIONS OF LIABILITY

This Phase One ESA was carried out in general accordance with CSA Group's "Z768-01 Phase One Environmental Site Assessment" and some requirements of O.Reg. 153/04. The results of this Phase One ESA should in no way be construed as a warranty that the subject property is free from any and all contaminants other than those noted in this report, nor that all compliance issues have been addressed.

This report was prepared for the exclusive use of Mr. Andrzej Olender and is based on data and information collected during the Phase One ESA of the property conducted by GEMTEC Consulting Engineers and Scientists Ltd. This report may not be relied upon by any other person or entity without the express written consent of GEMTEC Consulting Engineers and Scientists Limited and Mr. Andrzej Olender. In evaluating this subject property, GEMTEC Consulting Engineers and Scientists Limited has relied in good faith on information provided by others. We accept no responsibility for any deficiencies or inaccuracies in this report as a result of omissions, misinterpretations, or fraudulent acts of others.

The assessment of environmental conditions and possible site hazards presented has been made using the available historical and technical data collected and provided by others. The conclusions provided herein represent the best judgment of GEMTEC Consulting Engineers and Scientists Limited based on current environmental standards. Due to the nature of the investigation and the limited data available, we cannot warrant against undiscovered environmental liabilities.

The scope of the Phase One ESA is sufficient to identify existing and/or potential environmental liabilities that are obvious from visual examination of surface features and from available sources of information. This level of work is a method of risk reduction, not risk elimination. No building materials, water, liquid, gas, products or chemical sampling and/or testing on or in the vicinity of the subject property was carried out as part of this assessment. The Phase One ESA does not include a program of intrusive observation/testing. These activities would be carried out as part of a Phase Two ESA. This environmental assessment included only a cursory overview of the neighbouring land uses from public right of ways and from the subject property and does not constitute a complete assessment of the adjacent sites.

## 10.0 CLOSURE

We trust this report provides sufficient information for your present purposes. If you have any questions concerning this report, please do not hesitate to contact our office.

Sincerely,



Mohit Bhargav, MScE, EIT  
Environmental Technician



Su-Kim Roy, M.Eng., P.Eng



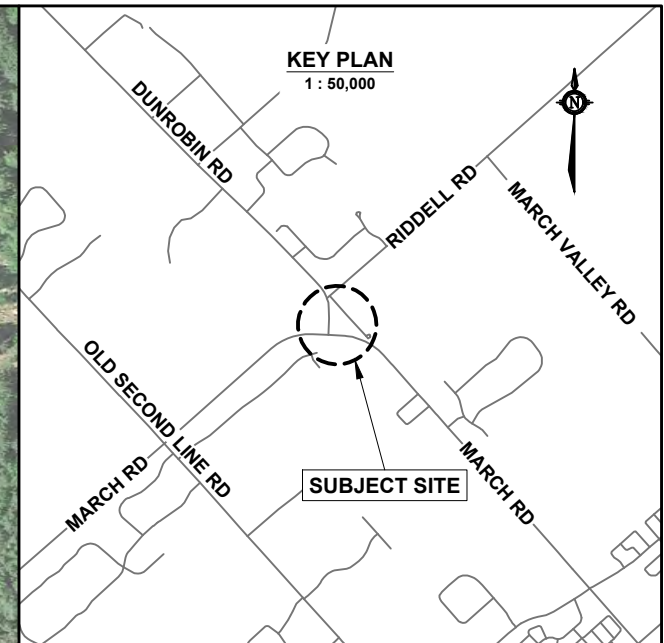


## **APPENDIX A**

Figures



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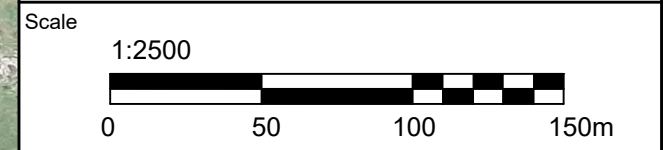


**LEGEND**

	APPROXIMATE PROPERTY BOUNDARY
	STUDY AREA (250m RADIUS FROM THE PROPERTY BOUNDARY)

**POTENTIALLY CONTAMINATING ACTIVITIES**

<b>10</b>	COMMERCIAL AUTOBODY SHOPS
<b>30</b>	IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY
<b>58</b>	WASTE DISPOSAL AND WASTE MANAGEMENT, INCLUDING THERMAL TREATMENT, LANDFILLING AND TRANSFER OF WASTE, OTHER THAN USE OF BIOSOILS AS SOIL CONDITIONERS



**GEMTEC**  
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AND SCIENTISTS

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Drawing

**STUDY AREA PLAN AND  
POTENTIALLY CONTAMINATING ACTIVITIES**

Client

**MR. ANDRZEJ OLENDER**

Project	65103.01	<b>PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 4 CAMPBELL REID COURT KANATA, OTTAWA, ONTARIO</b>
Drwn by	S.L.	
Chkd by	M.B.	

Date	SEPTEMBER, 2021	Rev.	0	<b>FIGURE A.1</b>
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**LEGEND**

- APPROXIMATE PROPERTY BOUNDARY
- STUDY AREA  
(250m RADIUS FROM THE PROPERTY BOUNDARY)

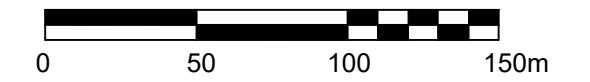
**AREA OF POTENTIALLY CONTAMINATING ACTIVITIES**

- APEC 1**  
IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY



Scale

1:2500



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Drawing  
**STUDY AREA PLAN AND  
POTENTIALLY CONTAMINATING ACTIVITIES**

Client  
**MR. ANDRZEJ OLENDER**

Project <b>65103.01</b>	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 4 CAMPBELL REID COURT KANATA, OTTAWA, ONTARIO
Drwn by <b>S.L.</b>	
Chkd by <b>M.B.</b>	

Date <b>SEPTEMBER, 2021</b>	Rev. <b>0</b>	<b>FIGURE A.2</b>
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**LEGEND**

- APPROXIMATE PROPERTY BOUNDARY
- STUDY AREA  
(250m RADIUS FROM THE PROPERTY BOUNDARY)
- CONTOUR INTERVAL, IN METRES
- SURFACE WATER
- MECP WELL LOCATION



Scale  
1:2500

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AND SCIENTISTS

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Drawing  
**TOPOGRAPHY MAP**

Client  
**MR. ANDRZEJ OLENDER**

Project <b>65103.01</b>	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 4 CAMPBELL REID COURT KANATA, OTTAWA, ONTARIO
Drwn by <b>S.L.</b>	
Chkd by <b>M.B.</b>	

Date <b>SEPTEMBER, 2021</b>	Rev. <b>0</b>	<b>FIGURE A.3</b>
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## **APPENDIX B**

### Qualification of Assessors

## **QUALIFICATION OF ASSESSORS**

### **Mohit Bhargav, MScE, EIT – Environmental Technician**

The primary assessor for this Phase One Environmental Site Assessment (ESA) was Mr. Mohit Bhargav, an Environmental Technician with GEMTEC. Mohit has Master of Science Civil Engineering with a specialization in water/wastewater treatment. Mr. Bhargav's formal education and work experience in environmental consulting with GEMTEC for over eleven months has provided him with the knowledge and expertise to identify sources of environmental concern and evaluate their potential to cause adverse environmental impacts.

### **Su-Kim Roy, M.Eng., P.Eng. – Environmental Engineer**

The Phase I ESA was carried out under the supervision of Ms. Su-Kim Roy, M.Eng., P.Eng., a registered Professional Engineer in the Province of Ontario and Qualified Person ESA (QP<sub>ESA</sub>) under Ontario Regulation 153/04 and 4016/19. Ms. Roy has over 20 years of experience in the completion of Environmental Site Assessments to meet Phase I and II ESAs completed in accordance with the CSA Group Standards and Phase One and Two ESAs completed in accordance with O.Reg. 153/04, as well as Excess Soils Management Plans completed in accordance with O.Reg. 406/19.



## **APPENDIX C**

Title Abstract

PROPERTY DESCRIPTION: PT LT 15 CON 3 MARCH PT 1, 5R13420 ; KANATA

PROPERTY REMARKS:

ESTATE/QUALIFIER:  
FEE SIMPLE  
LT CONVERSION QUALIFIED

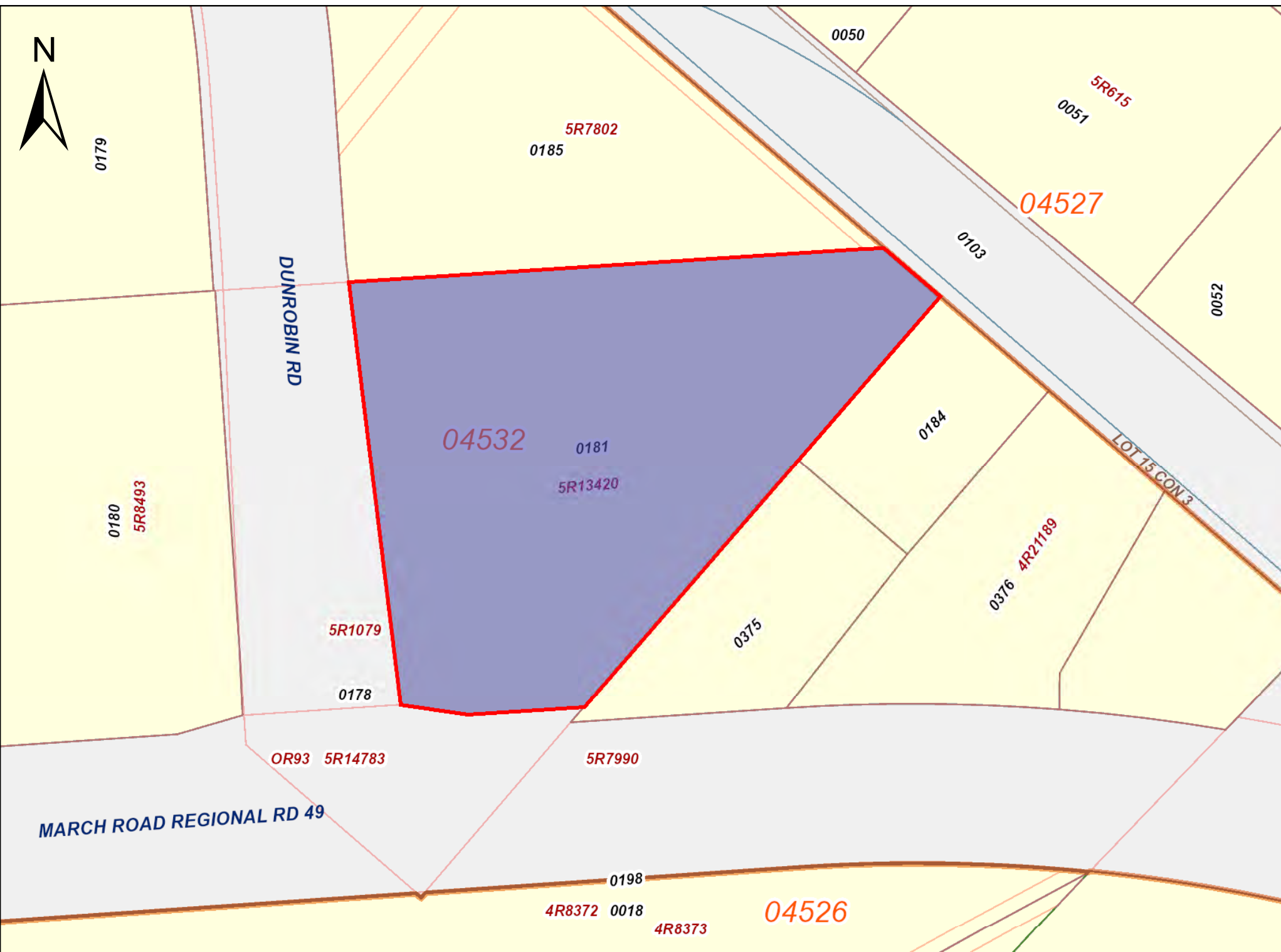
RECENTLY:  
RE-ENTRY FROM 04532-0277

PIN CREATION DATE:  
1999/09/17

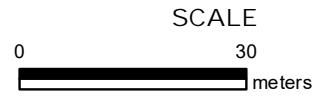
OWNERS' NAMES  
A & G OLENDER HOLDINGS LTD.

CAPACITY SHARE  
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
<p><b>**EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1997/04/28 ON THIS PIN**</b></p> <p><b>**WAS REPLACED WITH THE "PIN CREATION DATE" OF 1999/09/17**</b></p> <p><b>** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **</b></p> <p><b>**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:</b></p> <p><b>** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *</b></p> <p><b>** AND ESCHEATS OR FORFEITURE TO THE CROWN.</b></p> <p><b>** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF</b></p> <p><b>** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY</b></p> <p><b>** CONVENTION.</b></p> <p><b>** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.</b></p> <p><b>**DATE OF CONVERSION TO LAND TITLES: 1999/09/20 **</b></p>						
5R13420	1990/02/12	PLAN REFERENCE				C
OC1027102	2009/09/09	CHARGE	\$40,000	SIMPSON, GEOFFREY SIMPSON, PAMELA	THE BANK OF NOVA SCOTIA	C
OC1322915	2012/01/10	NOTICE		SIMPSON, GEOFFREY SIMPSON, PAMELA	MCQUEEN, KENNETH JOHN CAMPBELL MCQUEEN, SANDRA ELIZABETH	C
OC2056701	2018/11/20	TRANSFER	\$549,000	HARB, NADA HOSSARI, ADEL	A & G OLENDER HOLDINGS LTD.	C
REMARKS: PLANNING ACT STATEMENTS.						



PRINTED ON 14 SEP, 2021 AT 11:42:27  
FOR EEGOOLAB



### PROPERTY INDEX MAP OTTAWA-CARLETON(No. 04)

**LEGEND**

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

**NOTES**

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED







## **APPENDIX D**

EcoLog Eris



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# DATABASE REPORT

**Project Property:** 65103.01  
4 Campbell Reid Court  
Kanata ON K2K 1X7

**Project No:**

**Report Type:** Quote - Custom-Build Your Own Report

**Order No:** 21041400009

**Requested by:** GEMTEC Consulting Engineers and  
Scientists Limited (Ontario)

**Date Completed:** August 30, 2021

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**Reliance on information in Report:** This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a database review of environmental records.

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# Executive Summary

## **Property Information:**

**Project Property:** 65103.01  
4 Campbell Reid Court Kanata ON K2K 1X7

**Project No:**

## **Order Information:**

**Order No:** 21041400009  
**Date Requested:** April 14, 2021  
**Requested by:** GEMTEC Consulting Engineers and Scientists Limited (Ontario)  
**Report Type:** Quote - Custom-Build Your Own Report

## **Historical/Products:**

**Aerial Photographs** Aerials - National Collection  
**Insurance Products** Fire Insurance Maps/Inspection Reports/Site Plans  
**Land Title Search** Current Land Title Search

## Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking &amp; Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	6	6
CA	<i>Certificates of Approval</i>	Y	0	0	0
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	0	0
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	0	0
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries &amp; Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	2	2
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Boundary to 0.25km</b>	<b>Total</b>
IAFT	<i>Indian &amp; Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense &amp; Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense &amp; Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	0	0
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	1	23	24
<b>Total:</b>			1	31	32

## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
<a href="#">1</a>	WWIS		lot 15 con 3 ON  <i>Well ID:</i> 1503366	E/0.0	-0.64	<a href="#">17</a>

## Executive Summary: Site Report Summary - Surrounding Properties

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">2</a>	WWIS		lot 15 con 4 ON <b>Well ID:</b> 1513876	ENE/55.4	-2.39	<a href="#">19</a>
<a href="#">3</a>	WWIS		1 CAMPBELL REID COURT lot 15 con 4 DUNROBIN ON <b>Well ID:</b> 7265385	E/63.0	-1.69	<a href="#">22</a>
<a href="#">4</a>	WWIS		11 CAMPBELL REID COURT lot 15 con 4 DUNROBIN ON <b>Well ID:</b> 7265386	E/64.3	-1.69	<a href="#">30</a>
<a href="#">5</a>	WWIS		lot 15 con 3 ON <b>Well ID:</b> 1511038	ESE/67.2	-0.73	<a href="#">32</a>
<a href="#">6</a>	WWIS		lot 15 con 4 ON <b>Well ID:</b> 1503420	NNE/76.4	-1.64	<a href="#">35</a>
<a href="#">7</a>	WWIS		lot 16 con 3 ON <b>Well ID:</b> 1533821	W/79.4	1.46	<a href="#">37</a>
<a href="#">8</a>	WWIS		lot 15 con 3 ON <b>Well ID:</b> 1511125	SE/91.4	0.31	<a href="#">38</a>
<a href="#">9</a>	BORE		ON	WNW/95.0	1.33	<a href="#">41</a>
<a href="#">10</a>	WWIS		lot 15 con 4 ON <b>Well ID:</b> 1520303	NNE/98.3	-1.61	<a href="#">42</a>
<a href="#">11</a>	BORE		ON	SSW/105.3	1.31	<a href="#">46</a>
<a href="#">12</a>	WWIS		lot 15 con 3 ON <b>Well ID:</b> 1511129	SSW/105.5	1.31	<a href="#">46</a>
<a href="#">13</a>	BORE		ON	E/110.4	-1.69	<a href="#">49</a>



<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">14</a>	WWIS		lot 15 con 4 ON <b>Well ID:</b> 1503418	E/130.1	-1.63	<a href="#">50</a>
<a href="#">15</a>	WWIS		lot 15 con 4 ON <b>Well ID:</b> 1520307	NNE/135.3	-2.61	<a href="#">53</a>
<a href="#">16</a>	GEN	GALLAGHER'S GARAGE LTD.	15 CAMPBELL REID CRT. KANATA ON K2K 1X7	E/142.9	-1.69	<a href="#">56</a>
<a href="#">16</a>	GEN	GALLAGHER'S GARAGE LTD.	15 CAMPBELL REID COURT KANATA ON K2K 1X7	E/142.9	-1.69	<a href="#">56</a>
<a href="#">17</a>	WWIS		lot 16 con 4 ON <b>Well ID:</b> 1503426	NNW/144.0	-1.69	<a href="#">56</a>
<a href="#">18</a>	BORE		ON	NNW/144.2	-1.69	<a href="#">59</a>
<a href="#">19</a>	WWIS		lot 16 con 3 ON <b>Well ID:</b> 1514694	SE/158.0	-0.69	<a href="#">60</a>
<a href="#">20</a>	WWIS		1535 MONAGHAN LANE lot 15 con 3 KAPATA ON <b>Well ID:</b> 7210759	SW/166.8	2.31	<a href="#">63</a>
<a href="#">21</a>	BORE		ON	NNE/178.6	-3.69	<a href="#">70</a>
<a href="#">22</a>	WWIS		lot 15 con 3 ON <b>Well ID:</b> 1513750	SSE/189.2	-0.69	<a href="#">71</a>
<a href="#">23</a>	WWIS		lot 16 con 4 ON <b>Well ID:</b> 1503424	NNW/204.0	-1.69	<a href="#">74</a>
<a href="#">24</a>	BORE		ON	WSW/209.3	3.31	<a href="#">77</a>
<a href="#">25</a>	WWIS		lot 15 con 4 ON	NNE/209.5	-3.69	<a href="#">78</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
			<b>Well ID:</b> 1503419			
<a href="#">25</a>	WWIS		lot 16 con 4 ON	NNE/209.5	-3.69	<a href="#">80</a>
			<b>Well ID:</b> 1503423			
<a href="#">26</a>	WWIS		lot 15 con 3 ON	WSW/222.1	3.30	<a href="#">83</a>
			<b>Well ID:</b> 1503367			
<a href="#">27</a>	WWIS		1614 DUNROBIN RD KANATA ON	NW/234.7	-0.69	<a href="#">85</a>
			<b>Well ID:</b> 1536614			
<a href="#">28</a>	WWIS		lot 15 con 3 ON	SE/240.9	-0.64	<a href="#">86</a>
			<b>Well ID:</b> 1503364			
<a href="#">29</a>	WWIS		lot 16 con 4 ON	NNE/247.0	-3.70	<a href="#">88</a>
			<b>Well ID:</b> 1503427			
<a href="#">30</a>	WWIS		MONAGHAN LANE lot 15 con 3 KANATA ON	WSW/249.0	3.27	<a href="#">91</a>
			<b>Well ID:</b> 1536251			

# Executive Summary: Summary By Data Source

## **BORE - Borehole**

A search of the BORE database, dated 1875-Jul 2018 has found that there are 6 BORE site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	95.0	<a href="#"><u>9</u></a>
	ON	105.3	<a href="#"><u>11</u></a>
	ON	110.4	<a href="#"><u>13</u></a>
	ON	144.2	<a href="#"><u>18</u></a>
	ON	178.6	<a href="#"><u>21</u></a>
	ON	209.3	<a href="#"><u>24</u></a>

## **GEN - Ontario Regulation 347 Waste Generators Summary**

A search of the GEN database, dated 1986-Apr 30, 2021 has found that there are 2 GEN site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
GALLAGHER'S GARAGE LTD.	15 CAMPBELL REID CRT. KANATA ON K2K 1X7	142.9	<a href="#"><u>16</u></a>
GALLAGHER'S GARAGE LTD.	15 CAMPBELL REID COURT KANATA ON K2K 1X7	142.9	<a href="#"><u>16</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
-------------	----------------	---------------------	----------------

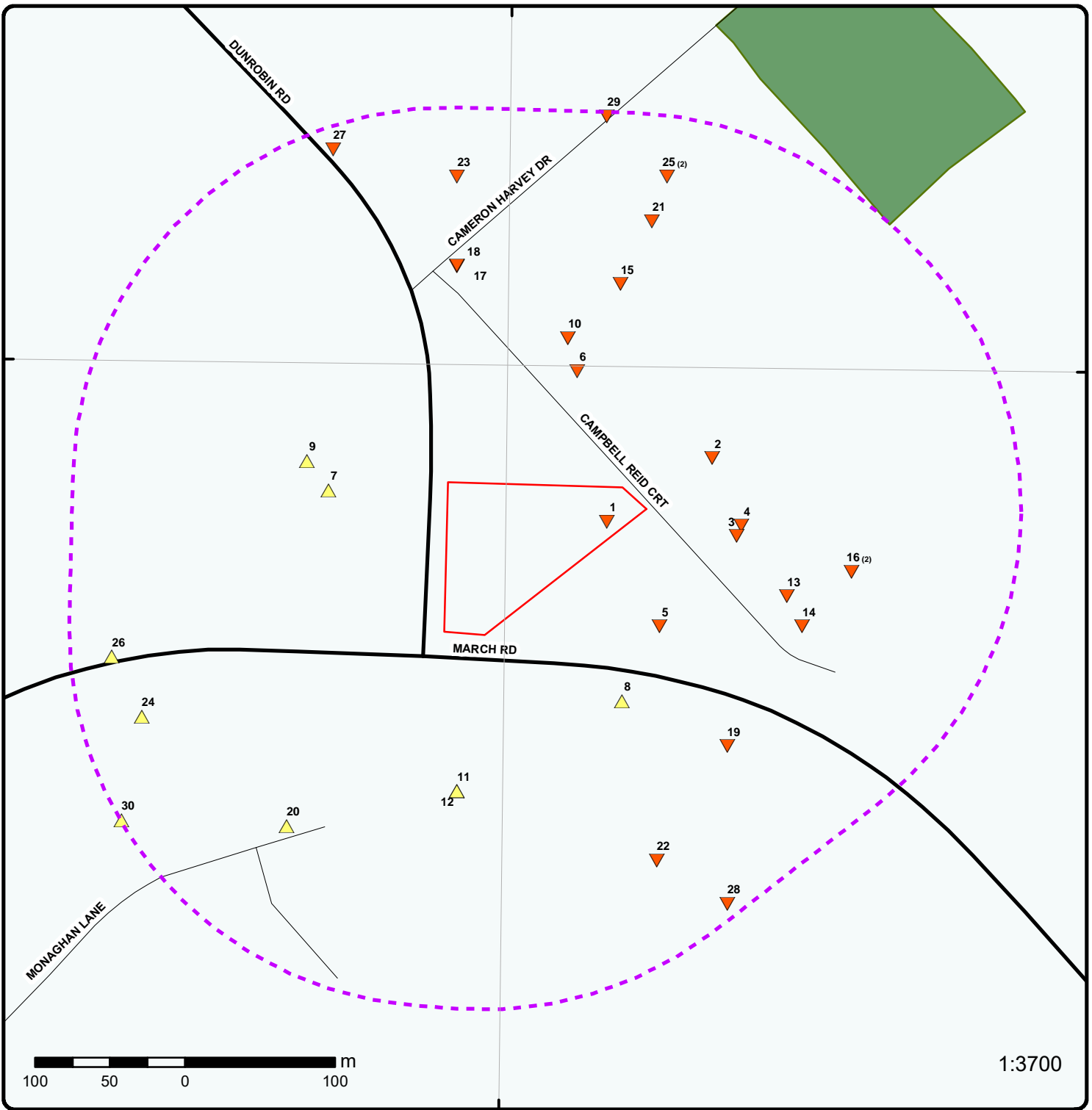
### **WWIS - Water Well Information System**

A search of the WWIS database, dated Apr 30, 2021 has found that there are 24 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 15 con 3 ON  <i>Well ID:</i> 1503366	0.0	<a href="#"><u>1</u></a>
	lot 15 con 4 ON  <i>Well ID:</i> 1513876	55.4	<a href="#"><u>2</u></a>
	1 CAMPBELL REID COURT lot 15 con 4 DUNROBIN ON  <i>Well ID:</i> 7265385	63.0	<a href="#"><u>3</u></a>
	11 CAMPBELL REID COURT lot 15 con 4 DUNROBIN ON  <i>Well ID:</i> 7265386	64.3	<a href="#"><u>4</u></a>
	lot 15 con 3 ON  <i>Well ID:</i> 1511038	67.2	<a href="#"><u>5</u></a>
	lot 15 con 4 ON  <i>Well ID:</i> 1503420	76.4	<a href="#"><u>6</u></a>
	lot 16 con 3 ON  <i>Well ID:</i> 1533821	79.4	<a href="#"><u>7</u></a>
	lot 15 con 3 ON  <i>Well ID:</i> 1511125	91.4	<a href="#"><u>8</u></a>
	lot 15 con 4 ON  <i>Well ID:</i> 1520303	98.3	<a href="#"><u>10</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 15 con 3 ON  <i>Well ID:</i> 1511129	105.5	<a href="#"><u>12</u></a>
	lot 15 con 4 ON  <i>Well ID:</i> 1503418	130.1	<a href="#"><u>14</u></a>
	lot 15 con 4 ON  <i>Well ID:</i> 1520307	135.3	<a href="#"><u>15</u></a>
	lot 16 con 4 ON  <i>Well ID:</i> 1503426	144.0	<a href="#"><u>17</u></a>
	lot 16 con 3 ON  <i>Well ID:</i> 1514694	158.0	<a href="#"><u>19</u></a>
	1535 MONAGHAN LANE lot 15 con 3 KAPATA ON  <i>Well ID:</i> 7210759	166.8	<a href="#"><u>20</u></a>
	lot 15 con 3 ON  <i>Well ID:</i> 1513750	189.2	<a href="#"><u>22</u></a>
	lot 16 con 4 ON  <i>Well ID:</i> 1503424	204.0	<a href="#"><u>23</u></a>
	lot 15 con 4 ON  <i>Well ID:</i> 1503419	209.5	<a href="#"><u>25</u></a>
	lot 16 con 4 ON  <i>Well ID:</i> 1503423	209.5	<a href="#"><u>25</u></a>
	lot 15 con 3 ON  <i>Well ID:</i> 1503367	222.1	<a href="#"><u>26</u></a>
	1614 DUNROBIN RD KANATA ON	234.7	<a href="#"><u>27</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 1536614		
	lot 15 con 3 ON	240.9	<a href="#"><u>28</u></a>
	<i>Well ID:</i> 1503364		
	lot 16 con 4 ON	247.0	<a href="#"><u>29</u></a>
	<i>Well ID:</i> 1503427		
	MONAGHAN LANE lot 15 con 3 KANATA ON	249.0	<a href="#"><u>30</u></a>
	<i>Well ID:</i> 1536251		



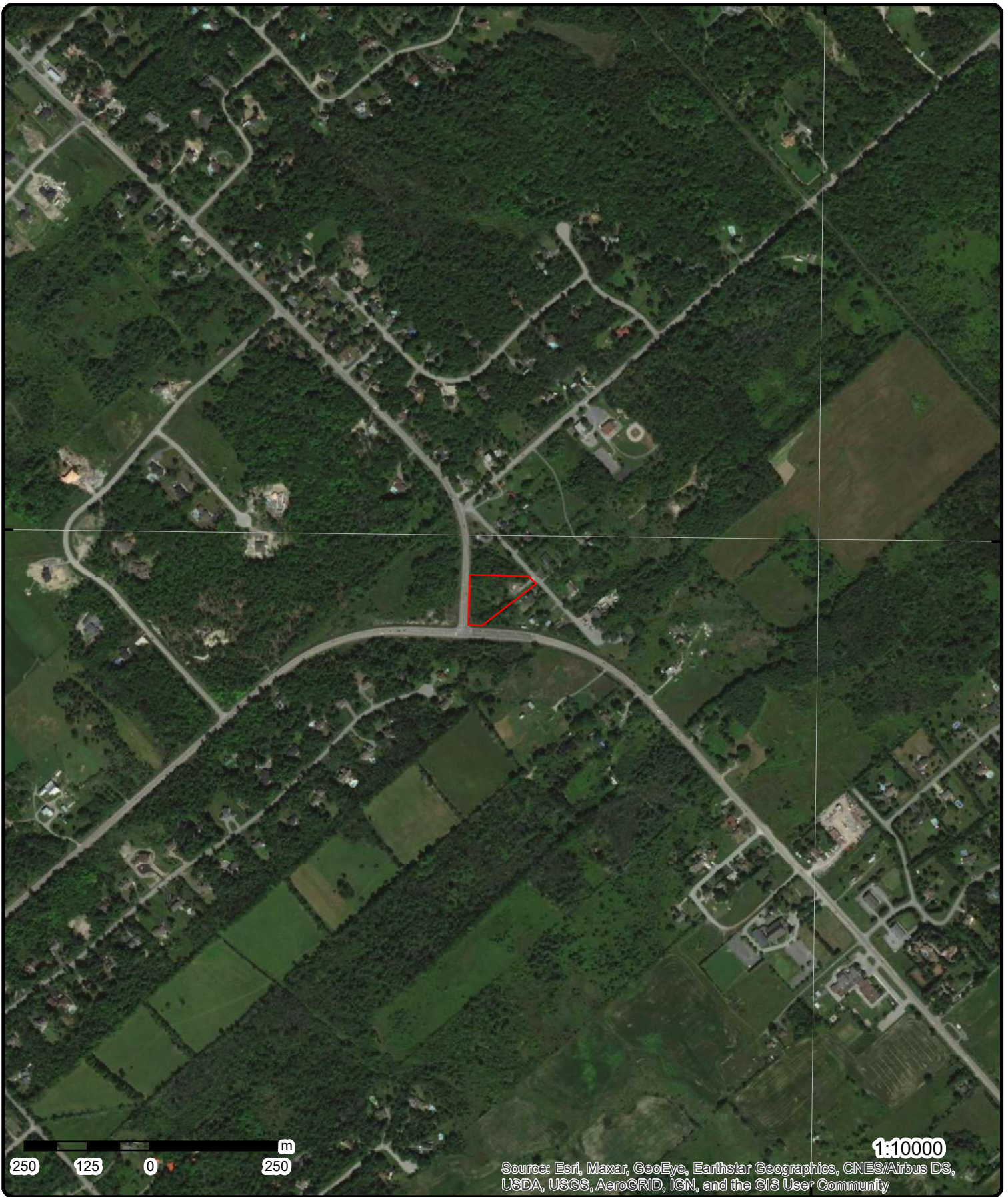
### Map: 0.25 Kilometer Radius

Order Number: 21041400009

Address: 4 Campbell Reid Court, Kanata, ON



Project Property	Expressway	Industrial and Resource - Regions	National Park
Buffer Outline	Principal Highway	Main Line	Provincial or Territorial Park
Eris Sites with Higher Elevation	Secondary Highway	Sidetrack	Other Park
Eris Sites with Same Elevation	Major Road	Transit Line	Golf Course or Driving Range
Eris Sites with Lower Elevation	Local road	Abandoned Line	Park or Sports Field
Eris Sites with Unknown Elevation	Trail	Proposed Road	Other Recreation Area
	Proposed Road		
	Ferry Route/Ice Road		



**Aerial** Year: 2020

Order Number: 21041400009

**Address: 4 Campbell Reid Court, Kanata, ON**



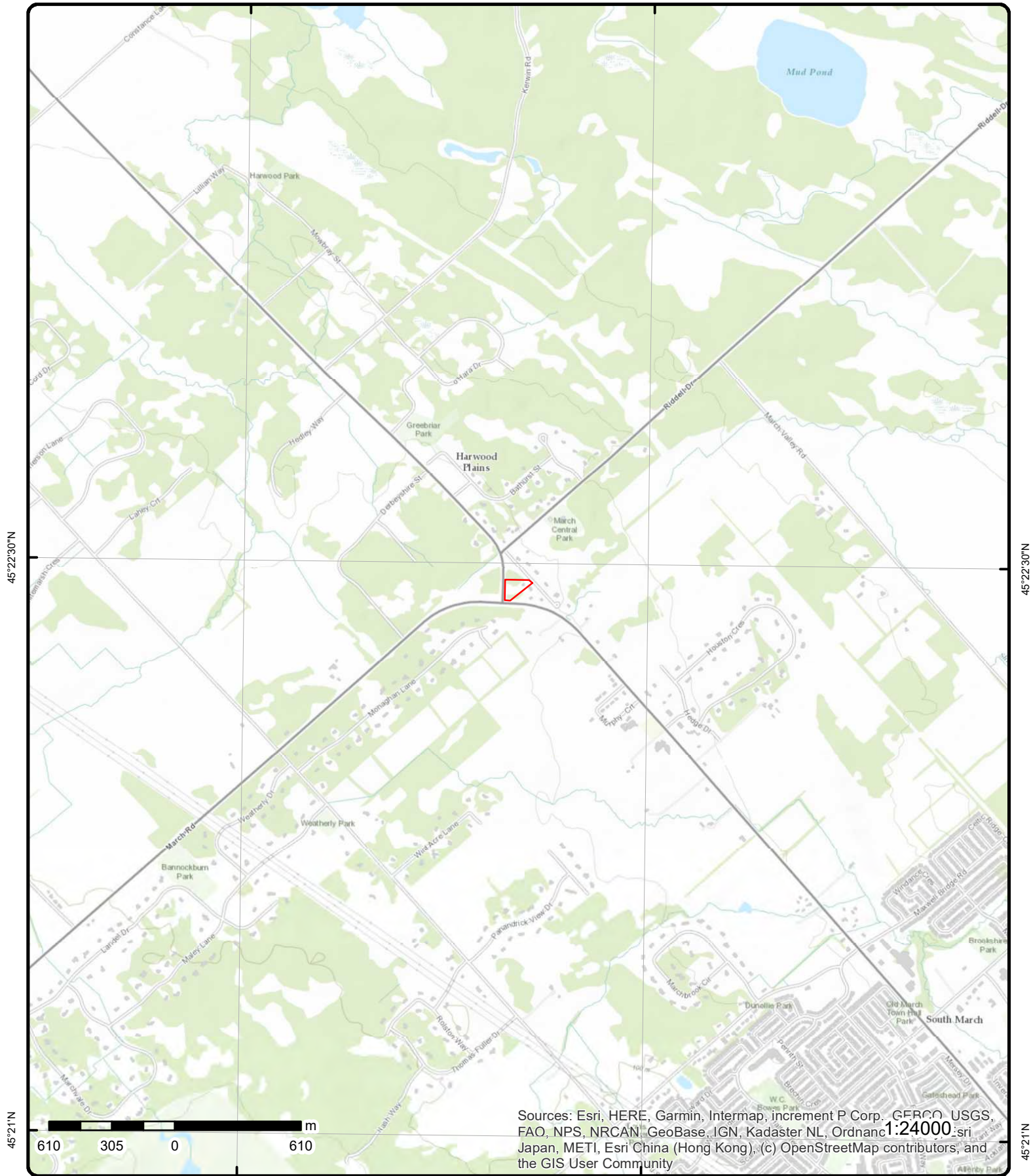
Source: ESRI World Imagery

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75°58'30"W

75°57'W



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

# Topographic Map

Address: 4 Campbell Reid Court, ON

Source: ESRI World Topographic Map

Order Number: 2104140009



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# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">1</a>	1 of 1	E/0.0	92.9 / -0.64	lot 15 con 3 ON	WWIS

**Well ID:** 1503366  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:** 0  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:**  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 12/6/1960  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 1603  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** MARCH TOWNSHIP  
**Site Info:**  
**Lot:** 015  
**Concession:** 03  
**Concession Name:** CON  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503366.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503366.pdf)

### Additional Detail(s) (Map)

**Well Completed Date:** 1960/09/17  
**Year Completed:** 1960  
**Depth (m):** 18.288  
**Latitude:** 45.3740696842361  
**Longitude:** -75.9574546729663  
**Path:** 150\1503366.pdf

### Bore Hole Information

<b>Bore Hole ID:</b> 10025409 <b>DP2BR:</b> 1.00 <b>Spatial Status:</b> <b>Code OB:</b> r <b>Code OB Desc:</b> Bedrock <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> 17-Sep-1960 00:00:00 <b>Remarks:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>	<b>Elevation:</b> 93.171264 <b>Elevrc:</b> <b>Zone:</b> 18 <b>East83:</b> 425030.60 <b>North83:</b> 5024952.00 <b>Org CS:</b> <b>UTMRC:</b> 5 <b>UTMRC Desc:</b> margin of error : 100 m - 300 m <b>Location Method:</b> p5
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<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		930996672			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		1.0			
<b>Formation End Depth:</b>		60.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		930996671			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		1.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503366			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10573979			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043570			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		17			
<b>Casing Diameter:</b>		2			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Construction Record - Casing**

**Casing ID:** 930043571  
**Layer:** 2  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 60  
**Casing Diameter:** 2  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991503366  
**Pump Set At:**  
**Static Level:** 9.0  
**Final Level After Pumping:** 30.0  
**Recommended Pump Depth:** 30.0  
**Pumping Rate:** 12.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 5.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 2  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Water Details**

**Water ID:** 933456260  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 60.0  
**Water Found Depth UOM:** ft

<a href="#">2</a>	1 of 1	ENE/55.4	91.2 / -2.39	lot 15 con 4 ON	WWIS
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**Well ID:** 1513876  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:** 0  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:**  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 2/8/1974  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 3323  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** MARCH TOWNSHIP  
**Site Info:**  
**Lot:** 015  
**Concession:** 04  
**Concession Name:** CON  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
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**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe\_mapping/downloads/2Water/Wells\_pdfs/151\1513876.pdf

**Additional Detail(s) (Map)**

**Well Completed Date:** 1973/11/13  
**Year Completed:** 1973  
**Depth (m):** 25.6032  
**Latitude:** 45.3744551774832  
**Longitude:** -75.9565671824117  
**Path:** 151\1513876.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10035858	<b>Elevation:</b>	92.647590
<b>DP2BR:</b>	0.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	425100.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5024994.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	13-Nov-1973 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931024681  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 84.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well**

**Use**

**Method Construction ID:** 961513876  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10584428  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>			930063392		
<b>Layer:</b>			2		
<b>Material:</b>			4		
<b>Open Hole or Material:</b>			OPEN HOLE		
<b>Depth From:</b>					
<b>Depth To:</b>			84		
<b>Casing Diameter:</b>			6		
<b>Casing Diameter UOM:</b>			inch		
<b>Casing Depth UOM:</b>			ft		
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>			930063391		
<b>Layer:</b>			1		
<b>Material:</b>			1		
<b>Open Hole or Material:</b>			STEEL		
<b>Depth From:</b>					
<b>Depth To:</b>			20		
<b>Casing Diameter:</b>			6		
<b>Casing Diameter UOM:</b>			inch		
<b>Casing Depth UOM:</b>			ft		
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>			991513876		
<b>Pump Set At:</b>					
<b>Static Level:</b>			2.0		
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>			50.0		
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>			10.0		
<b>Levels UOM:</b>			ft		
<b>Rate UOM:</b>			GPM		
<b>Water State After Test Code:</b>			1		
<b>Water State After Test:</b>			CLEAR		
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>			1		
<b>Pumping Duration MIN:</b>			0		
<b>Flowing:</b>			No		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			934899186		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			60		
<b>Test Level:</b>			2.0		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			934099649		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			15		
<b>Test Level:</b>			2.0		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Pump Test Detail ID:</b> 934641298					
<b>Test Type:</b> Draw Down					
<b>Test Duration:</b> 45					
<b>Test Level:</b> 2.0					
<b>Test Level UOM:</b> ft					
<b>Draw Down &amp; Recovery</b>					
<b>Pump Test Detail ID:</b> 934380723					
<b>Test Type:</b> Draw Down					
<b>Test Duration:</b> 30					
<b>Test Level:</b> 2.0					
<b>Test Level UOM:</b> ft					
<b>Water Details</b>					
<b>Water ID:</b> 933469616					
<b>Layer:</b> 1					
<b>Kind Code:</b> 1					
<b>Kind:</b> FRESH					
<b>Water Found Depth:</b> 80.0					
<b>Water Found Depth UOM:</b> ft					

[3](#) 1 of 1 E/63.0 91.9 / -1.69 1 CAMPBELL REID COURT lot 15 con 4 DUNROBIN ON WWIS

<b>Well ID:</b> 7265385	<b>Data Entry Status:</b>
<b>Construction Date:</b>	<b>Data Src:</b>
<b>Primary Water Use:</b> Domestic	<b>Date Received:</b> 6/21/2016
<b>Sec. Water Use:</b>	<b>Selected Flag:</b> True
<b>Final Well Status:</b> Water Supply	<b>Abandonment Rec:</b>
<b>Water Type:</b>	<b>Contractor:</b> 1119
<b>Casing Material:</b>	<b>Form Version:</b> 7
<b>Audit No:</b> Z202778	<b>Owner:</b>
<b>Tag:</b> A199873	<b>Street Name:</b> 1 CAMPBELL REID COURT
<b>Construction Method:</b>	<b>County:</b> OTTAWA
<b>Elevation (m):</b>	<b>Municipality:</b> MARCH TOWNSHIP
<b>Elevation Reliability:</b>	<b>Site Info:</b> PART 1
<b>Depth to Bedrock:</b>	<b>Lot:</b> 015
<b>Well Depth:</b>	<b>Concession:</b> 04
<b>Overburden/Bedrock:</b>	<b>Concession Name:</b> CON
<b>Pump Rate:</b>	<b>Easting NAD83:</b>
<b>Static Water Level:</b>	<b>Northing NAD83:</b>
<b>Flowing (Y/N):</b>	<b>Zone:</b>
<b>Flow Rate:</b>	<b>UTM Reliability:</b>
<b>Clear/Cloudy:</b>	

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/726\7265385.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/726\7265385.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 2016/04/26  
**Year Completed:** 2016  
**Depth (m):** 24.384  
**Latitude:** 45.3739889271883  
**Longitude:** -75.9563498725324  
**Path:** 726\7265385.pdf

**Bore Hole Information**

**Bore Hole ID:** 1006069905 **Elevation:** 92.138420  
**DP2BR:** **Elevrc:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>				<b>East83:</b>	425117.00
<b>Code OB Desc:</b>				<b>North83:</b>	5024942.00
<b>Open Hole:</b>				<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	26-Apr-2016 00:00:00			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 1006128057  
**Layer:** 4  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 48.0  
**Formation End Depth:** 69.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 1006128058  
**Layer:** 5  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 69.0  
**Formation End Depth:** 72.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 1006128054  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 4.0



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1006128056			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		23.0			
<b>Formation End Depth:</b>		48.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1006128059			
<b>Layer:</b>		6			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		72.0			
<b>Formation End Depth:</b>		80.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1006128055			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		4.0			
<b>Formation End Depth:</b>		23.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1006128096			
<b>Layer:</b>		1			
<b>Plug From:</b>		20			
<b>Plug To:</b>		0			
<b>Plug Depth UOM:</b>		ft			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1006128095			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1006128052			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1006128067			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		1006128053			
<b>Pump Set At:</b>		70.0			
<b>Static Level:</b>		0.800000011920929			
<b>Final Level After Pumping:</b>		3.9000000953674316			
<b>Recommended Pump Depth:</b>		70.0			
<b>Pumping Rate:</b>		20.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		20.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		0			
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>		0			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006128078			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		10			
<b>Test Level:</b>		3.4000000953674316			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006128091			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		50			
<b>Test Level:</b>		0.800000011920929			
<b>Test Level UOM:</b>		ft			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006128068		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			1		
<b>Test Level:</b>			2.5999999046325684		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006128075		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			4		
<b>Test Level:</b>			0.800000011920929		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006128077		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			5		
<b>Test Level:</b>			0.800000011920929		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006128082		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			20		
<b>Test Level:</b>			3.5999999046325684		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006128085		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			25		
<b>Test Level:</b>			0.800000011920929		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006128080		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			15		
<b>Test Level:</b>			3.5		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006128088		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			40		
<b>Test Level:</b>			3.799999952316284		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006128081		

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		0.800000011920929			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006128083			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		20			
<b>Test Level:</b>		0.800000011920929			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006128087			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		0.800000011920929			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006128069			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		1			
<b>Test Level:</b>		1.5			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006128076			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		5			
<b>Test Level:</b>		3.299999952316284			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006128084			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		25			
<b>Test Level:</b>		3.5999999046325684			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006128086			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		3.700000047683716			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006128093			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		0.800000011920929			
<b>Test Level UOM:</b>		ft			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006128070		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			2		
<b>Test Level:</b>			2.9000000953674316		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006128092		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			60		
<b>Test Level:</b>			3.9000000953674316		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006128090		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			50		
<b>Test Level:</b>			3.9000000953674316		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006128071		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			2		
<b>Test Level:</b>			1.0		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006128073		
<b>Test Type:</b>			Recovery		
<b>Test Duration:</b>			3		
<b>Test Level:</b>			0.800000011920929		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006128074		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			4		
<b>Test Level:</b>			3.200000047683716		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>			1006128072		
<b>Test Type:</b>			Draw Down		
<b>Test Duration:</b>			3		
<b>Test Level:</b>			3.0999999046325684		
<b>Test Level UOM:</b>			ft		
<b><u>Draw Down &amp; Recovery</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Pump Test Detail ID:</b>		1006128079			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		10			
<b>Test Level:</b>		0.800000011920929			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1006128089			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		40			
<b>Test Level:</b>		0.800000011920929			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1006128062			
<b>Layer:</b>		1			
<b>Kind Code:</b>		8			
<b>Kind:</b>		Untested			
<b>Water Found Depth:</b>		48.0			
<b>Water Found Depth UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1006128063			
<b>Layer:</b>		2			
<b>Kind Code:</b>		8			
<b>Kind:</b>		Untested			
<b>Water Found Depth:</b>		69.0			
<b>Water Found Depth UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1006128064			
<b>Layer:</b>		3			
<b>Kind Code:</b>		8			
<b>Kind:</b>		Untested			
<b>Water Found Depth:</b>		72.0			
<b>Water Found Depth UOM:</b>		ft			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1006128060			
<b>Diameter:</b>					
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		20.0			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1006128061			
<b>Diameter:</b>					
<b>Depth From:</b>		20.0			
<b>Depth To:</b>		80.0			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">4</a>	1 of 1	E/64.3	91.9 / -1.69	11 CAMPBELL REID COURT lot 15 con 4 DUNROBIN ON	WWIS

<b>Well ID:</b>	7265386	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	
<b>Primary Water Use:</b>		<b>Date Received:</b>	6/21/2016
<b>Sec. Water Use:</b>		<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Abandoned-Other	<b>Abandonment Rec:</b>	Yes
<b>Water Type:</b>		<b>Contractor:</b>	1119
<b>Casing Material:</b>		<b>Form Version:</b>	7
<b>Audit No:</b>	Z202777	<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	11 CAMPBELL REID COURT
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	PART 1
<b>Depth to Bedrock:</b>		<b>Lot:</b>	015
<b>Well Depth:</b>		<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	CON
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/726\7265386.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/726\7265386.pdf)

#### Additional Detail(s) (Map)

**Well Completed Date:** 2016/04/27  
**Year Completed:** 2016  
**Depth (m):**  
**Latitude:** 45.3740522485138  
**Longitude:** -75.9563126260499  
**Path:** 726\7265386.pdf

#### Bore Hole Information

<b>Bore Hole ID:</b>	1006069908	<b>Elevation:</b>	92.144142
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	425120.00
<b>Code OB Desc:</b>		<b>North83:</b>	5024949.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	27-Apr-2016 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

#### Overburden and Bedrock Materials Interval

**Formation ID:** 1006128113  
**Layer:**  
**Color:**  
**General Color:**  
**Mat1:**  
**Most Common Material:**  
**Mat2:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>					
<b>Formation End Depth:</b>					
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>			1006128119		
<b>Layer:</b>			1		
<b>Plug From:</b>			0		
<b>Plug To:</b>			84		
<b>Plug Depth UOM:</b>			ft		
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>			1006128120		
<b>Layer:</b>			1		
<b>Plug From:</b>			84		
<b>Plug To:</b>			5		
<b>Plug Depth UOM:</b>			ft		
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>			1006128121		
<b>Layer:</b>			2		
<b>Plug From:</b>			5		
<b>Plug To:</b>			0		
<b>Plug Depth UOM:</b>			ft		
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>			1006128118		
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>			1006128112		
<b>Casing No:</b>			0		
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>			1006128117		
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>			ft		
<b>Screen Diameter UOM:</b>			inch		
<b>Screen Diameter:</b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Water Details**

Water ID: 1006128115  
 Layer:  
 Kind Code:  
 Kind:  
 Water Found Depth:  
 Water Found Depth UOM: ft

**Hole Diameter**

Hole ID: 1006128114  
 Diameter:  
 Depth From:  
 Depth To:  
 Hole Depth UOM: ft  
 Hole Diameter UOM: inch

<a href="#">5</a>	1 of 1	ESE/67.2	92.8 / -0.73	lot 15 con 3 ON	WWIS
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Well ID:	1511038	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	1/27/1971
Sec. Water Use:	0	Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1703
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	MARCH TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	015
Well Depth:		Concession:	03
Overburden/Bedrock:		Concession Name:	CON
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1511038.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511038.pdf)

**Additional Detail(s) (Map)**

Well Completed Date: 1970/08/28  
 Year Completed: 1970  
 Depth (m): 26.8224  
 Latitude: 45.3734434246432  
 Longitude: -75.9569971143904  
 Path: 151\1511038.pdf

**Bore Hole Information**

Bore Hole ID:	10033040	Elevation:	92.344223
DP2BR:	51.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	425065.60
Code OB Desc:	Bedrock	North83:	5024882.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Date Completed:</b>	28-Aug-1970 00:00:00			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	931016527				
<b>Layer:</b>	1				
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>	24				
<b>Most Common Material:</b>	PREV. DRILLED				
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>	0.0				
<b>Formation End Depth:</b>	51.0				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	931016528				
<b>Layer:</b>	2				
<b>Color:</b>	1				
<b>General Color:</b>	WHITE				
<b>Mat1:</b>	18				
<b>Most Common Material:</b>	SANDSTONE				
<b>Mat2:</b>	17				
<b>Mat2 Desc:</b>	SHALE				
<b>Mat3:</b>	15				
<b>Mat3 Desc:</b>	LIMESTONE				
<b>Formation Top Depth:</b>	51.0				
<b>Formation End Depth:</b>	88.0				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>	961511038				
<b>Method Construction Code:</b>	7				
<b>Method Construction:</b>	Diamond				
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	10581610				
<b>Casing No:</b>	1				
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	930058617				
<b>Layer:</b>	2				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Material:</b>	4				
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>	88				
<b>Casing Diameter:</b>	2				
<b>Casing Diameter UOM:</b>	inch				
<b>Casing Depth UOM:</b>	ft				
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	930058616				
<b>Layer:</b>	1				
<b>Material:</b>	1				
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>	51				
<b>Casing Diameter:</b>	4				
<b>Casing Diameter UOM:</b>	inch				
<b>Casing Depth UOM:</b>	ft				
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>	991511038				
<b>Pump Set At:</b>					
<b>Static Level:</b>	15.0				
<b>Final Level After Pumping:</b>	24.0				
<b>Recommended Pump Depth:</b>	41.0				
<b>Pumping Rate:</b>	4.0				
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>	4.0				
<b>Levels UOM:</b>	ft				
<b>Rate UOM:</b>	GPM				
<b>Water State After Test Code:</b>	1				
<b>Water State After Test:</b>	CLEAR				
<b>Pumping Test Method:</b>	1				
<b>Pumping Duration HR:</b>	3				
<b>Pumping Duration MIN:</b>	0				
<b>Flowing:</b>	No				
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>	934380596				
<b>Test Type:</b>	Draw Down				
<b>Test Duration:</b>	30				
<b>Test Level:</b>	24.0				
<b>Test Level UOM:</b>	ft				
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>	934097583				
<b>Test Type:</b>	Draw Down				
<b>Test Duration:</b>	15				
<b>Test Level:</b>	24.0				
<b>Test Level UOM:</b>	ft				
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>	934642312				
<b>Test Type:</b>	Draw Down				
<b>Test Duration:</b>	45				
<b>Test Level:</b>	24.0				
<b>Test Level UOM:</b>	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Draw Down & Recovery**

**Pump Test Detail ID:** 934899653  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 24.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933466108  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 88.0  
**Water Found Depth UOM:** ft

<a href="#">6</a>	1 of 1	NNE/76.4	91.9 / -1.64	lot 15 con 4 ON	WWIS
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<b>Well ID:</b> 1503420	<b>Data Entry Status:</b>	
<b>Construction Date:</b>	<b>Data Src:</b>	1
<b>Primary Water Use:</b> Domestic	<b>Date Received:</b>	6/18/1968
<b>Sec. Water Use:</b> 0	<b>Selected Flag:</b>	True
<b>Final Well Status:</b> Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>	<b>Contractor:</b>	1503
<b>Casing Material:</b>	<b>Form Version:</b>	1
<b>Audit No:</b>	<b>Owner:</b>	
<b>Tag:</b>	<b>Street Name:</b>	
<b>Construction Method:</b>	<b>County:</b>	OTTAWA
<b>Elevation (m):</b>	<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>	<b>Site Info:</b>	
<b>Depth to Bedrock:</b>	<b>Lot:</b>	015
<b>Well Depth:</b>	<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>	<b>Concession Name:</b>	CON
<b>Pump Rate:</b>	<b>Easting NAD83:</b>	
<b>Static Water Level:</b>	<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>	<b>Zone:</b>	
<b>Flow Rate:</b>	<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>		

**PDF URL (Map):**

**Additional Detail(s) (Map)**

**Well Completed Date:** 1968/05/20  
**Year Completed:** 1968  
**Depth (m):** 18.8976  
**Latitude:** 45.3749675504377  
**Longitude:** -75.9577252553409  
**Path:**

**Bore Hole Information**

<b>Bore Hole ID:</b> 10025463	<b>Elevation:</b> 92.704750
<b>DP2BR:</b> 2.00	<b>Elevrc:</b>
<b>Spatial Status:</b>	<b>Zone:</b> 18
<b>Code OB:</b> r	<b>East83:</b> 425010.60
<b>Code OB Desc:</b> Bedrock	<b>North83:</b> 5025052.00
<b>Open Hole:</b>	<b>Org CS:</b>
<b>Cluster Kind:</b>	<b>UTMRC:</b> 5

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Date Completed:</b>	20-May-1968	00:00:00		<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>				<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	930996789				
<b>Layer:</b>	1				
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>	02				
<b>Most Common Material:</b>	TOPSOIL				
<b>Mat2:</b>	05				
<b>Mat2 Desc:</b>	CLAY				
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>	0.0				
<b>Formation End Depth:</b>	2.0				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	930996790				
<b>Layer:</b>	2				
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>	18				
<b>Most Common Material:</b>	SANDSTONE				
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>	2.0				
<b>Formation End Depth:</b>	62.0				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>	961503420				
<b>Method Construction Code:</b>	1				
<b>Method Construction:</b>	Cable Tool				
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	10574033				
<b>Casing No:</b>	1				
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	930043675				
<b>Layer:</b>	1				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Material:</b>					
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		20			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043676			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		62			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503420			
<b>Pump Set At:</b>					
<b>Static Level:</b>		17.0			
<b>Final Level After Pumping:</b>		18.0			
<b>Recommended Pump Depth:</b>		50.0			
<b>Pumping Rate:</b>		10.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		5.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		2			
<b>Water State After Test:</b>		CLOUDY			
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933456326			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		60.0			
<b>Water Found Depth UOM:</b>		ft			
<u>7</u>	1 of 1	W/79.4	95.0 / 1.46	lot 16 con 3 ON	WWIS
<b>Well ID:</b>	1533821			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Not Used			<b>Date Received:</b>	6/4/2003
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Abandoned-Other			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	4875
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>	241212			<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>				<b>Site Info:</b> <b>Lot:</b> 016 <b>Concession:</b> 03 <b>Concession Name:</b> CON <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	
<b>PDF URL (Map):</b>		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1533821.pdf			
<b><u>Additional Detail(s) (Map)</u></b>					
<b>Well Completed Date:</b>		2003/04/02			
<b>Year Completed:</b>		2003			
<b>Depth (m):</b>					
<b>Latitude:</b>		45.3742387927422			
<b>Longitude:</b>		-75.9598278847058			
<b>Path:</b>		153\1533821.pdf			
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>		10537655		<b>Elevation:</b> 94.328239	
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b> 18	
<b>Code OB:</b>		—		<b>East83:</b> 424845.00	
<b>Code OB Desc:</b>		No formation data		<b>North83:</b> 5024973.00	
<b>Open Hole:</b>				<b>Org CS:</b> NA	
<b>Cluster Kind:</b>				<b>UTMRC:</b> 6	
<b>Date Completed:</b>		02-Apr-2003 00:00:00		<b>UTMRC Desc:</b> margin of error : 300 m - 1 km	
<b>Remarks:</b>				<b>Location Method:</b> gis	
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961533821			
<b>Method Construction Code:</b>		0			
<b>Method Construction:</b>		Not Known			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11086225			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					

[8](#)

1 of 1

SE/91.4

93.9 / 0.31

lot 15 con 3  
ON

WWIS

**Well ID:** 1511125  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:** 0  
**Final Well Status:** Water Supply

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 4/29/1971  
**Selected Flag:** True  
**Abandonment Rec:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water Type:</b>				<b>Contractor:</b>	1802
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	015
<b>Well Depth:</b>				<b>Concession:</b>	03
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1511125.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511125.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1971/04/16  
**Year Completed:** 1971  
**Depth (m):** 24.384  
**Latitude:** 45.3729907453746  
**Longitude:** -75.957308755054  
**Path:** 151\1511125.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10033122	<b>Elevation:</b>	92.544494
<b>DP2BR:</b>	2.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	425040.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5024832.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	16-Apr-1971 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931016751  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 02  
**Most Common Material:** TOPSOIL  
**Mat2:** 01  
**Mat2 Desc:** FILL  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 2.0  
**Formation End Depth UOM:** ft



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		931016752			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		2.0			
<b>Formation End Depth:</b>		80.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961511125			
<b>Method Construction Code:</b>		4			
<b>Method Construction:</b>		Rotary (Air)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10581692			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930058773			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		20			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930058774			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		80			
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991511125			
<b>Pump Set At:</b>					
<b>Static Level:</b>		3.0			
<b>Final Level After Pumping:</b>		56.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Recommended Pump Depth:</b>		30.0			
<b>Pumping Rate:</b>		15.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		5.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934097663			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		3.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934899733			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		3.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934380676			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		3.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934642809			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		3.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933466205			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		48.0			
<b>Water Found Depth UOM:</b>		ft			

<u>9</u>	1 of 1	WNW/95.0	94.9 / 1.33	ON	BORE
<b>Borehole ID:</b>	609869			<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215511483			<b>SP Status:</b>	Initial Entry
<b>Status:</b>				<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole			<b>Piezometer:</b>	No

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Use:</b> <b>Completion Date:</b> AUG-1970 <b>Static Water Level:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Total Depth m:</b> -999 <b>Depth Ref:</b> Ground Surface <b>Depth Elev:</b> <b>Drill Method:</b> <b>Orig Ground Elev m:</b> 95.4 <b>Elev Reliabil Note:</b> <b>DEM Ground Elev m:</b> 94 <b>Concession:</b> <b>Location D:</b> <b>Survey D:</b> <b>Comments:</b>		<b>Primary Name:</b> <b>Municipality:</b> <b>Lot:</b> <b>Township:</b> <b>Latitude DD:</b> 45.37441 <b>Longitude DD:</b> -75.960015 <b>UTM Zone:</b> 18 <b>Easting:</b> 424831 <b>Northing:</b> 5024992 <b>Location Accuracy:</b> <b>Accuracy:</b> Not Applicable			
<b><u>Borehole Geology Stratum</u></b>					
<b>Geology Stratum ID:</b> 218384276 <b>Top Depth:</b> 0 <b>Bottom Depth:</b> <b>Material Color:</b> Brown <b>Material 1:</b> Bedrock <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>		<b>Mat Consistency:</b> Soft <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>		BEDROCK. OUTCROP AT SURFACE. NE. 00054NE. WHITE. SANDSTONE. BROWN. 00066SOFT. BEDRO **Note: Many records provided by the department have a truncated [Stratum Description] field.	
<b><u>Source</u></b>					
<b>Source Type:</b> Data Survey <b>Source Orig:</b> Geological Survey of Canada <b>Source Date:</b> 1956-1972 <b>Confidence:</b> L <b>Observatio:</b> <b>Source Name:</b> Urban Geology Automated Information System (UGAIS) <b>Source Details:</b> File: OTTAWA1.txt RecordID: 02377 NTS_Sheet: <b>Confiden 1:</b> Gives some indication of sub-surface condition but material is unknown.		<b>Source Appl:</b> Spatial/Tabular <b>Source Ident:</b> 1 <b>Scale or Res:</b> Varies <b>Horizontal:</b> NAD27 <b>Verticalda:</b> Mean Average Sea Level			
<b><u>Source List</u></b>					
<b>Source Identifier:</b> 1 <b>Source Type:</b> Data Survey <b>Source Date:</b> 1956-1972 <b>Scale or Resolution:</b> Varies <b>Source Name:</b> Urban Geology Automated Information System (UGAIS) <b>Source Originators:</b> Geological Survey of Canada		<b>Horizontal Datum:</b> NAD27 <b>Vertical Datum:</b> Mean Average Sea Level <b>Projection Name:</b> Universal Transverse Mercator			
<a href="#">10</a>	1 of 1	<b>NNE/98.3</b>	<b>92.0 / -1.61</b>	<b>lot 15 con 4 ON</b>	<b>WWIS</b>
<b>Well ID:</b> 1520303 <b>Construction Date:</b> <b>Primary Water Use:</b> Domestic <b>Sec. Water Use:</b> <b>Final Well Status:</b> Water Supply <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b>		<b>Data Entry Status:</b> <b>Data Src:</b> 1 <b>Date Received:</b> 1/27/1986 <b>Selected Flag:</b> True <b>Abandonment Rec:</b> <b>Contractor:</b> 3644 <b>Form Version:</b> 1 <b>Owner:</b>			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	015
<b>Well Depth:</b>				<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/152\1520303.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1520303.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1985/10/28  
**Year Completed:** 1985  
**Depth (m):** 25.6032  
**Latitude:** 45.3751649095446  
**Longitude:** -75.9578052162034  
**Path:** 152\1520303.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10042146	<b>Elevation:</b>	92.629943
<b>DP2BR:</b>	6.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	425004.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5025074.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	28-Oct-1985 00:00:00	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	gis
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931044337  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 6.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		931044338			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		6.0			
<b>Formation End Depth:</b>		84.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961520303			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10590716			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930073553			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		84			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930073552			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		22			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991520303			
<b>Pump Set At:</b>					
<b>Static Level:</b>		23.0			
<b>Final Level After Pumping:</b>		60.0			
<b>Recommended Pump Depth:</b>		60.0			
<b>Pumping Rate:</b>		20.0			
<b>Flowing Rate:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Recommended Pump Rate:</b>		15.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		2			
<b>Water State After Test:</b>		CLOUDY			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934905486			
<b>Test Type:</b>					
<b>Test Duration:</b>		60			
<b>Test Level:</b>		60.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934656097			
<b>Test Type:</b>					
<b>Test Duration:</b>		45			
<b>Test Level:</b>		60.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934110822			
<b>Test Type:</b>					
<b>Test Duration:</b>		15			
<b>Test Level:</b>		60.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934377343			
<b>Test Type:</b>					
<b>Test Duration:</b>		30			
<b>Test Level:</b>		60.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933477507			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		60.0			
<b>Water Found Depth UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933477508			
<b>Layer:</b>		2			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		79.0			
<b>Water Found Depth UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">11</a>	1 of 1	SSW/105.3	94.9 / 1.31	ON	BORE
<b>Borehole ID:</b>	609864			<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215511478			<b>SP Status:</b>	Initial Entry
<b>Status:</b>				<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole			<b>Piezometer:</b>	No
<b>Use:</b>				<b>Primary Name:</b>	
<b>Completion Date:</b>	APR-1971			<b>Municipality:</b>	
<b>Static Water Level:</b>	76.2			<b>Lot:</b>	
<b>Primary Water Use:</b>				<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b>	45.372441
<b>Total Depth m:</b>	23.5			<b>Longitude DD:</b>	-75.958705
<b>Depth Ref:</b>	Ground Surface			<b>UTM Zone:</b>	18
<b>Depth Elev:</b>				<b>Easting:</b>	424931
<b>Drill Method:</b>				<b>Northing:</b>	5024772
<b>Orig Ground Elev m:</b>	93			<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>				<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	95.1				
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					
<b><u>Borehole Geology Stratum</u></b>					
<b>Geology Stratum ID:</b>	218384265			<b>Mat Consistency:</b>	Soft
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	23.5			<b>Material Texture:</b>	
<b>Material Color:</b>	White			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Sandstone			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	SANDSTONE. LIMESTONE. WHITE. 0013900055FEET.SOFT. UNSPECIFIED,TILL. SOFT. BEDRO **Note: Many records provided by the department have a truncated [Stratum Description] field.				
<b><u>Source</u></b>					
<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada			<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972			<b>Scale or Res:</b>	Varies
<b>Confidence:</b>				<b>Horizontal:</b>	NAD27
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Details:</b>	File: OTTAWA1.txt RecordID: 02372 NTS_Sheet:				
<b>Confiden 1:</b>					
<b><u>Source List</u></b>					
<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies				
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Originators:</b>	Geological Survey of Canada				

<a href="#">12</a>	1 of 1	SSW/105.5	94.9 / 1.31	lot 15 con 3 ON	WWIS
<b>Well ID:</b>	1511129			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Primary Water Use:</b>	Livestock			<b>Date Received:</b>	5/6/1971
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1802
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	015
<b>Well Depth:</b>				<b>Concession:</b>	03
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b>PDF URL (Map):</b>	<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511129.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511129.pdf</a>				

**Additional Detail(s) (Map)**

**Well Completed Date:** 1971/04/28  
**Year Completed:** 1971  
**Depth (m):** 23.4696  
**Latitude:** 45.372438958812  
**Longitude:** -75.9587042462529  
**Path:** 151\1511129.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10033126	<b>Elevation:</b>	95.095619
<b>DP2BR:</b>	0.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	424930.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5024772.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	28-Apr-1971 00:00:00	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931016760  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 77.0



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961511129			
<b>Method Construction Code:</b>		4			
<b>Method Construction:</b>		Rotary (Air)			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10581696			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930058782			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		77			
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930058781			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		17			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991511129			
<b>Pump Set At:</b>					
<b>Static Level:</b>		10.0			
<b>Final Level After Pumping:</b>		42.0			
<b>Recommended Pump Depth:</b>		30.0			
<b>Pumping Rate:</b>		13.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		10.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Pump Test Detail ID:** 934097667  
**Test Type:** Recovery  
**Test Duration:** 15  
**Test Level:** 10.0  
**Test Level UOM:** ft

Draw Down & Recovery

**Pump Test Detail ID:** 934642813  
**Test Type:** Recovery  
**Test Duration:** 45  
**Test Level:** 10.0  
**Test Level UOM:** ft

Draw Down & Recovery

**Pump Test Detail ID:** 934380680  
**Test Type:** Recovery  
**Test Duration:** 30  
**Test Level:** 10.0  
**Test Level UOM:** ft

Draw Down & Recovery

**Pump Test Detail ID:** 934899737  
**Test Type:** Recovery  
**Test Duration:** 60  
**Test Level:** 10.0  
**Test Level UOM:** ft

Water Details

**Water ID:** 933466209  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 55.0  
**Water Found Depth UOM:** ft

13    1 of 1    *E/110.4*    91.9 / -1.69    **ON**    **BORE**

<b>Borehole ID:</b> 609867 <b>OGF ID:</b> 215511481 <b>Status:</b> <b>Type:</b> Borehole <b>Use:</b> <b>Completion Date:</b> <b>Static Water Level:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Total Depth m:</b> -999 <b>Depth Ref:</b> Ground Surface <b>Depth Elev:</b> <b>Drill Method:</b> <b>Orig Ground Elev m:</b> 91.4 <b>Elev Reliabil Note:</b> <b>DEM Ground Elev m:</b> 91.3 <b>Concession:</b> <b>Location D:</b> <b>Survey D:</b>	<b>Inclin FLG:</b> No <b>SP Status:</b> Initial Entry <b>Surv Elev:</b> No <b>Piezometer:</b> No <b>Primary Name:</b> <b>Municipality:</b> <b>Lot:</b> <b>Township:</b> <b>Latitude DD:</b> 45.373634 <b>Longitude DD:</b> -75.955915 <b>UTM Zone:</b> 18 <b>Easting:</b> 425151 <b>Northing:</b> 5024902 <b>Location Accuracy:</b> <b>Accuracy:</b> Not Applicable
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Comments:</b>					
<b><u>Borehole Geology Stratum</u></b>					
<b>Geology Stratum ID:</b>	218384271			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	.6			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Silt			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Clay			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	SILT,CLAY.				
<b>Geology Stratum ID:</b>	218384272			<b>Mat Consistency:</b>	Soft
<b>Top Depth:</b>	.6			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>				<b>Material Texture:</b>	
<b>Material Color:</b>	Brown			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Bedrock			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Sandstone			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	BEDROCK,SANDSTONE. Y. SANDSTONE. WHITE. SANDSTONE. BROWN. 00066SOFT. BEDROCK. 000250 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
<b><u>Source</u></b>					
<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada			<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972			<b>Scale or Res:</b>	Varies
<b>Confidence:</b>	M			<b>Horizontal:</b>	NAD27
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Details:</b>	File: OTTAWA1.txt RecordID: 023750 NTS_Sheet: 31G05D				
<b>Confiden 1:</b>	Reliable information but incomplete.				
<b><u>Source List</u></b>					
<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies				
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Originators:</b>	Geological Survey of Canada				
<b>14</b>	<b>1 of 1</b>	<b>E/130.1</b>	<b>91.9 / -1.63</b>	<b>lot 15 con 4 ON</b>	<b>WWIS</b>
<b>Well ID:</b>	1503418			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	6/1/1962
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	4833
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth to Bedrock:				Lot:	015
Well Depth:				Concession:	04
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503418.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503418.pdf)

#### Additional Detail(s) (Map)

Well Completed Date: 1962/05/21  
Year Completed: 1962  
Depth (m): 12.192  
Latitude: 45.3734535829303  
Longitude: -75.9557840266835  
Path: 150\1503418.pdf

#### Bore Hole Information

Bore Hole ID:	10025461	Elevation:	90.738708
DP2BR:	2.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	425160.60
Code OB Desc:	Bedrock	North83:	5024882.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	21-May-1962 00:00:00	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

#### Overburden and Bedrock Materials Interval

Formation ID: 930996785  
Layer: 1  
Color:  
General Color:  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 02  
Mat2 Desc: TOPSOIL  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 0.0  
Formation End Depth: 2.0  
Formation End Depth UOM: ft

#### Overburden and Bedrock Materials Interval

Formation ID: 930996786  
Layer: 2  
Color:  
General Color:

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		2.0			
<b>Formation End Depth:</b>		40.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503418			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10574031			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043672			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		40			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043671			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		12			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503418			
<b>Pump Set At:</b>					
<b>Static Level:</b>		8.0			
<b>Final Level After Pumping:</b>		12.0			
<b>Recommended Pump Depth:</b>		35.0			
<b>Pumping Rate:</b>		6.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		5.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b>Water Details</b>					
<b>Water ID:</b>		933456324			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		38.0			
<b>Water Found Depth UOM:</b>		ft			

<u>15</u>	1 of 1	NNE/135.3	91.0 / -2.61	lot 15 con 4 ON	WWIS
<b>Well ID:</b>	1520307			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	1/27/1986
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Recharge Well			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	3644
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	015
<b>Well Depth:</b>				<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/152\1520307.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1520307.pdf)

**Additional Detail(s) (Map)**

<b>Well Completed Date:</b>	1985/10/28
<b>Year Completed:</b>	1985
<b>Depth (m):</b>	19.2024
<b>Latitude:</b>	45.3754926595208
<b>Longitude:</b>	-75.9573637432958
<b>Path:</b>	152\1520307.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10042150	<b>Elevation:</b>	91.538330
<b>DP2BR:</b>	2.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	425039.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5025110.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	28-Oct-1985 00:00:00	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	gis
<b>Elevrc Desc:</b>			

**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 931044350  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 2.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 931044351  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 2.0  
**Formation End Depth:** 63.0  
**Formation End Depth UOM:** ft

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

**Method Construction ID:** 961520307  
**Method Construction Code:** 5  
**Method Construction:** Air Percussion  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10590720  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930073561  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Depth To:</b>		63			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930073560			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		22			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991520307			
<b>Pump Set At:</b>					
<b>Static Level:</b>		15.0			
<b>Final Level After Pumping:</b>		50.0			
<b>Recommended Pump Depth:</b>		50.0			
<b>Pumping Rate:</b>		14.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		10.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		2			
<b>Water State After Test:</b>		CLOUDY			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934110826			
<b>Test Type:</b>					
<b>Test Duration:</b>		15			
<b>Test Level:</b>		50.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934905490			
<b>Test Type:</b>					
<b>Test Duration:</b>		60			
<b>Test Level:</b>		50.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934377347			
<b>Test Type:</b>					
<b>Test Duration:</b>		30			
<b>Test Level:</b>		50.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Pump Test Detail ID:</b>		934656101			
<b>Test Type:</b>		45			
<b>Test Duration:</b>		50.0			
<b>Test Level:</b>		ft			
<b>Test Level UOM:</b>					
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933477512			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		58.0			
<b>Water Found Depth UOM:</b>		ft			
<a href="#">16</a>	1 of 2	E/142.9	91.9 / -1.69	GALLAGHER'S GARAGE LTD. 15 CAMPBELL REID CRT. KANATA ON K2K 1X7	GEN
<b>Generator No:</b>		ON2046400		<b>PO Box No:</b>	
<b>Status:</b>				<b>Country:</b>	
<b>Approval Years:</b>		95,96,97,98		<b>Choice of Contact:</b>	
<b>Contam. Facility:</b>				<b>Co Admin:</b>	
<b>MHSW Facility:</b>				<b>Phone No Admin:</b>	
<b>SIC Code:</b>		6351			
<b>SIC Description:</b>		GARAGES(GEN. REPAIR)			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		252			
<b>Waste Class Desc:</b>		WASTE OILS & LUBRICANTS			
<a href="#">16</a>	2 of 2	E/142.9	91.9 / -1.69	GALLAGHER'S GARAGE LTD. 15 CAMPBELL REID COURT KANATA ON K2K 1X7	GEN
<b>Generator No:</b>		ON2046400		<b>PO Box No:</b>	
<b>Status:</b>				<b>Country:</b>	
<b>Approval Years:</b>		99,00,01		<b>Choice of Contact:</b>	
<b>Contam. Facility:</b>				<b>Co Admin:</b>	
<b>MHSW Facility:</b>				<b>Phone No Admin:</b>	
<b>SIC Code:</b>		6351			
<b>SIC Description:</b>		GARAGES(GEN. REPAIR)			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		252			
<b>Waste Class Desc:</b>		WASTE OILS & LUBRICANTS			
<a href="#">17</a>	1 of 1	NNW/144.0	91.9 / -1.69	lot 16 con 4 ON	WWIS
<b>Well ID:</b>		1503426		<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>		Domestic		<b>Date Received:</b>	
<b>Sec. Water Use:</b>		0		<b>Selected Flag:</b>	
<b>Final Well Status:</b>		Water Supply		<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	
<b>Casing Material:</b>				<b>Form Version:</b>	
<b>Audit No:</b>				<b>Owner:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>				<b>Street Name:</b> <b>County:</b> OTTAWA <b>Municipality:</b> MARCH TOWNSHIP <b>Site Info:</b> <b>Lot:</b> 016 <b>Concession:</b> 04 <b>Concession Name:</b> CON <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503426.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503426.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1959/05/26  
**Year Completed:** 1959  
**Depth (m):** 21.336  
**Latitude:** 45.3755889843228  
**Longitude:** -75.9587574763228  
**Path:** 150\1503426.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b> 10025469	<b>Elevation:</b> 94.141990
<b>DP2BR:</b> 1.00	<b>Elevrc:</b>
<b>Spatial Status:</b>	<b>Zone:</b> 18
<b>Code OB:</b> r	<b>East83:</b> 424930.60
<b>Code OB Desc:</b> Bedrock	<b>North83:</b> 5025122.00
<b>Open Hole:</b>	<b>Org CS:</b>
<b>Cluster Kind:</b>	<b>UTMRC:</b> 5
<b>Date Completed:</b> 26-May-1959 00:00:00	<b>UTMRC Desc:</b> margin of error : 100 m - 300 m
<b>Remarks:</b>	<b>Location Method:</b> p5
<b>Elevrc Desc:</b>	
<b>Location Source Date:</b>	
<b>Improvement Location Source:</b>	
<b>Improvement Location Method:</b>	
<b>Source Revision Comment:</b>	
<b>Supplier Comment:</b>	

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 930996800  
**Layer:** 2  
**Color:**  
**General Color:**  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 1.0  
**Formation End Depth:** 70.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		930996799			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		02			
<b>Mat2 Desc:</b>		TOPSOIL			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		1.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503426			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10574039			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043688			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		70			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043687			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		10			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503426			
<b>Pump Set At:</b>					
<b>Static Level:</b>		9.0			
<b>Final Level After Pumping:</b>		9.0			
<b>Recommended Pump Depth:</b>		9.0			
<b>Pumping Rate:</b>		5.0			
<b>Flowing Rate:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Recommended Pump Rate:</b>		5.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933456334			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		70.0			
<b>Water Found Depth UOM:</b>		ft			

<u>18</u>	1 of 1	NNW/144.2	91.9 / -1.69	ON	BORE
<b>Borehole ID:</b>		609871		<b>Inclin FLG:</b>	No
<b>OGF ID:</b>		215511485		<b>SP Status:</b>	Initial Entry
<b>Status:</b>				<b>Surv Elev:</b>	No
<b>Type:</b>		Borehole		<b>Piezometer:</b>	No
<b>Use:</b>				<b>Primary Name:</b>	
<b>Completion Date:</b>		MAY-1959		<b>Municipality:</b>	
<b>Static Water Level:</b>		-1.5		<b>Lot:</b>	
<b>Primary Water Use:</b>				<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b>	45.375591
<b>Total Depth m:</b>		21.3		<b>Longitude DD:</b>	-75.958758
<b>Depth Ref:</b>		Ground Surface		<b>UTM Zone:</b>	18
<b>Depth Elev:</b>				<b>Easting:</b>	424931
<b>Drill Method:</b>				<b>Northing:</b>	5025122
<b>Orig Ground Elev m:</b>		91.4		<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>				<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>		94.1			
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					

**Borehole Geology Stratum**

<b>Geology Stratum ID:</b>	218384281	<b>Mat Consistency:</b>	Soft
<b>Top Depth:</b>	.3	<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	21.3	<b>Material Texture:</b>	
<b>Material Color:</b>	Brown	<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Limestone	<b>Geologic Formation:</b>	
<b>Material 2:</b>		<b>Geologic Group:</b>	
<b>Material 3:</b>		<b>Geologic Period:</b>	
<b>Material 4:</b>		<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>			
<b>Stratum Description:</b> LIMESTONE. STABLE AT 305.0 FEET.BEDROCK,LIMESTONE. BROWN. 00066SOFT. BEDROCK. 000250			
**Note: Many records provided by the department have a truncated [Stratum Description] field.			

<b>Geology Stratum ID:</b>	218384280	<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0	<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	.3	<b>Material Texture:</b>	
<b>Material Color:</b>		<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Clay	<b>Geologic Formation:</b>	
<b>Material 2:</b>	Soil	<b>Geologic Group:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Material 3:**  
**Material 4:**  
**Gsc Material Description:**  
**Stratum Description:**

CLAY,SOIL.

**Geologic Period:**  
**Depositional Gen:**

**Source**

<b>Source Type:</b>	Data Survey	<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada	<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972	<b>Scale or Res:</b>	Varies
<b>Confidence:</b>		<b>Horizontal:</b>	NAD27
<b>Observatio:</b>		<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)		
<b>Source Details:</b>	File: OTTAWA1.txt RecordID: 02379 NTS_Sheet:		
<b>Confiden 1:</b>			

**Source List**

<b>Source Identifier:</b>	1	<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey	<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972	<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies		
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)		
<b>Source Originators:</b>	Geological Survey of Canada		

<a href="#">19</a>	1 of 1	SE/158.0	92.9 / -0.69	lot 16 con 3 ON	WWIS
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<b>Well ID:</b>	1514694	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	6/5/1975
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	1558
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	016
<b>Well Depth:</b>		<b>Concession:</b>	03
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	CON
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1514694.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514694.pdf)

**Additional Detail(s) (Map)**

<b>Well Completed Date:</b>	1975/05/08
<b>Year Completed:</b>	1975
<b>Depth (m):</b>	22.2504
<b>Latitude:</b>	45.372728231634
<b>Longitude:</b>	-75.9564103568656
<b>Path:</b>	151\1514694.pdf

**Bore Hole Information**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Bore Hole ID:</b>	10036664			<b>Elevation:</b>	92.738265
<b>DP2BR:</b>	2.00			<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>	r			<b>East83:</b>	425110.60
<b>Code OB Desc:</b>	Bedrock			<b>North83:</b>	5024802.00
<b>Open Hole:</b>				<b>Org CS:</b>	
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	08-May-1975 00:00:00			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	p4
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931027004  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 2.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931027005  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:** 73  
**Mat2 Desc:** HARD  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 2.0  
**Formation End Depth:** 30.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931027006  
**Layer:** 3  
**Color:** 1  
**General Color:** WHITE  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation Top Depth:</b>		30.0			
<b>Formation End Depth:</b>		73.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961514694			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10585234			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930064803			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		26			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930064804			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		73			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991514694			
<b>Pump Set At:</b>					
<b>Static Level:</b>		10.0			
<b>Final Level After Pumping:</b>		40.0			
<b>Recommended Pump Depth:</b>		50.0			
<b>Pumping Rate:</b>		10.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		5.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934901987			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		40.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934100513			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		40.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934383529			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		40.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934644099			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		40.0			
<b>Test Level UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933470625			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		68.0			
<b>Water Found Depth UOM:</b>		ft			

<b><u>20</u></b>	<b>1 of 1</b>	<b>SW/166.8</b>	<b>95.9 / 2.31</b>	<b>1535 MONAGHAN LANE lot 15 con 3 KAPATA ON</b>	<b>WWIS</b>
<b>Well ID:</b>	7210759			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	11/12/2013
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1119
<b>Casing Material:</b>				<b>Form Version:</b>	7
<b>Audit No:</b>	Z155220			<b>Owner:</b>	
<b>Tag:</b>	A135311			<b>Street Name:</b>	1535 MONAGHAN LANE
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	015
<b>Well Depth:</b>				<b>Concession:</b>	03
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>				<b>Zone:</b> <b>UTM Reliability:</b>	
<b>PDF URL (Map):</b>		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/721\7210759.pdf			
<b><u>Additional Detail(s) (Map)</u></b>					
<b>Well Completed Date:</b>		2013/08/29			
<b>Year Completed:</b>		2013			
<b>Depth (m):</b>		24.384			
<b>Latitude:</b>		45.372219771604			
<b>Longitude:</b>		-75.9601513135529			
<b>Path:</b>		721\7210759.pdf			
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>		1004625896		<b>Elevation:</b> 93.725776	
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b> 18	
<b>Code OB:</b>				<b>East83:</b> 424817.00	
<b>Code OB Desc:</b>				<b>North83:</b> 5024749.00	
<b>Open Hole:</b>				<b>Org CS:</b> UTM83	
<b>Cluster Kind:</b>				<b>UTMRC:</b> 4	
<b>Date Completed:</b>		29-Aug-2013 00:00:00		<b>UTMRC Desc:</b> margin of error : 30 m - 100 m	
<b>Remarks:</b>				<b>Location Method:</b> wwr	
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1004876260			
<b>Layer:</b>		3			
<b>Color:</b>		1			
<b>General Color:</b>		WHITE			
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		70.0			
<b>Formation End Depth:</b>		80.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1004876258			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>		01			
<b>Mat2 Desc:</b>		FILL			
<b>Mat3:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		7.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1004876259			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		18			
<b>Most Common Material:</b>		SANDSTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		7.0			
<b>Formation End Depth:</b>		70.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1004876295			
<b>Layer:</b>		1			
<b>Plug From:</b>		20			
<b>Plug To:</b>		0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		1004876294			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1004876256			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1004876265			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>		20			
<b>Depth To:</b>		80			
<b>Casing Diameter:</b>		6.125			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1004876264			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>		-2			
<b>Depth To:</b>		20			
<b>Casing Diameter:</b>		6.25			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1004876266			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		1004876257			
<b>Pump Set At:</b>		70.0			
<b>Static Level:</b>		9.600000381469727			
<b>Final Level After Pumping:</b>		10.0			
<b>Recommended Pump Depth:</b>		70.0			
<b>Pumping Rate:</b>		20.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		20.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		0			
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>		0			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>					
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1004876276			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		5			
<b>Test Level:</b>		9.600000381469727			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1004876285			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		9.899999618530273			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1004876287			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		40			
<b>Test Level:</b>		9.899999618530273			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1004876268			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		1			
<b>Test Level:</b>		9.600000381469727			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1004876281			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		20			
<b>Test Level:</b>		9.800000190734863			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1004876282			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		20			
<b>Test Level:</b>		9.600000381469727			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1004876286			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		9.600000381469727			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1004876288			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		40			
<b>Test Level:</b>		9.600000381469727			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1004876289			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		50			
<b>Test Level:</b>		10.0			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1004876279			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		9.800000190734863			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Pump Test Detail ID:</i>		1004876284			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		25			
<i>Test Level:</i>		9.600000381469727			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down &amp; Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1004876290			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		50			
<i>Test Level:</i>		9.600000381469727			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down &amp; Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1004876291			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		60			
<i>Test Level:</i>		10.0			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down &amp; Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1004876269			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		2			
<i>Test Level:</i>		9.699999809265137			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down &amp; Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1004876270			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		2			
<i>Test Level:</i>		9.600000381469727			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down &amp; Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1004876271			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		3			
<i>Test Level:</i>		9.699999809265137			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down &amp; Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1004876273			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		4			
<i>Test Level:</i>		9.699999809265137			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down &amp; Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1004876274			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		4			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Test Level:</b>		9.600000381469727			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1004876275			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		5			
<b>Test Level:</b>		9.699999809265137			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1004876280			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		9.600000381469727			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1004876283			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		25			
<b>Test Level:</b>		9.899999618530273			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1004876292			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		9.600000381469727			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1004876272			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		3			
<b>Test Level:</b>		9.600000381469727			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1004876277			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		10			
<b>Test Level:</b>		9.800000190734863			
<b>Test Level UOM:</b>		ft			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		1004876278			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		10			
<b>Test Level:</b>		9.600000381469727			
<b>Test Level UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Draw Down & Recovery

**Pump Test Detail ID:** 1004876267  
**Test Type:** Draw Down  
**Test Duration:** 1  
**Test Level:** 9.699999809265137  
**Test Level UOM:** ft

Water Details

**Water ID:** 1004876263  
**Layer:** 1  
**Kind Code:** 8  
**Kind:** Untested  
**Water Found Depth:** 70.0  
**Water Found Depth UOM:** ft

Hole Diameter

**Hole ID:** 1004876261  
**Diameter:** 9.75  
**Depth From:** 0.0  
**Depth To:** 20.0  
**Hole Depth UOM:** ft  
**Hole Diameter UOM:** inch

Hole Diameter

**Hole ID:** 1004876262  
**Diameter:** 6.125  
**Depth From:** 20.0  
**Depth To:** 80.0  
**Hole Depth UOM:** ft  
**Hole Diameter UOM:** inch

<a href="#">21</a>	1 of 1	NNE/178.6	89.9 / -3.69	ON	BORE
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<b>Borehole ID:</b> 609873	<b>Inclin FLG:</b> No
<b>OGF ID:</b> 215511487	<b>SP Status:</b> Initial Entry
<b>Status:</b>	<b>Surv Elev:</b> No
<b>Type:</b> Borehole	<b>Piezometer:</b> No
<b>Use:</b>	<b>Primary Name:</b>
<b>Completion Date:</b>	<b>Municipality:</b>
<b>Static Water Level:</b>	<b>Lot:</b>
<b>Primary Water Use:</b>	<b>Township:</b>
<b>Sec. Water Use:</b>	<b>Latitude DD:</b> 45.375874
<b>Total Depth m:</b> -999	<b>Longitude DD:</b> -75.957102
<b>Depth Ref:</b> Ground Surface	<b>UTM Zone:</b> 18
<b>Depth Elev:</b>	<b>Easting:</b> 425061
<b>Drill Method:</b>	<b>Northing:</b> 5025152
<b>Orig Ground Elev m:</b> 88.4	<b>Location Accuracy:</b>
<b>Elev Reliabil Note:</b>	<b>Accuracy:</b> Not Applicable
<b>DEM Ground Elev m:</b> 89.6	
<b>Concession:</b>	
<b>Location D:</b>	
<b>Survey D:</b>	
<b>Comments:</b>	

Borehole Geology Stratum

**Geology Stratum ID:** 218384286 **Mat Consistency:** Soft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Top Depth:</b>	.3			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>				<b>Material Texture:</b>	
<b>Material Color:</b>	Brown			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Bedrock			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Limestone			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	BEDROCK,LIMESTONE. LIMESTONE. 00035BEDROCK,LIMESTONE. BROWN. 00066SOFT. BEDROCK. 0 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
<b>Geology Stratum ID:</b>	218384285			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	.3			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Clay			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	CLAY.				
<b>Source</b>					
<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada			<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972			<b>Scale or Res:</b>	Varies
<b>Confidence:</b>	M			<b>Horizontal:</b>	NAD27
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Details:</b>	File: OTTAWA1.txt RecordID: 023810 NTS_Sheet: 31G05E				
<b>Confiden 1:</b>	Reliable information but incomplete.				
<b>Source List</b>					
<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies				
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Originators:</b>	Geological Survey of Canada				
<b>22</b>	<b>1 of 1</b>	<b>SSE/189.2</b>	<b>92.9 / -0.69</b>	<b>lot 15 con 3 ON</b>	<b>WWIS</b>
<b>Well ID:</b>	1513750			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	2/11/1974
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	3658
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	015
<b>Well Depth:</b>				<b>Concession:</b>	03
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Flow Rate:  
Clear/Cloudy:

UTM Reliability:

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1513750.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513750.pdf)

**Additional Detail(s) (Map)**

Well Completed Date: 1974/01/15  
 Year Completed: 1974  
 Depth (m): 38.1  
 Latitude: 45.3720391982555  
 Longitude: -75.9569989712815  
 Path: 151\1513750.pdf

**Bore Hole Information**

Bore Hole ID:	10035732	Elevation:	92.100685
DP2BR:	4.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	425063.60
Code OB Desc:	Bedrock	North83:	5024726.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	15-Jan-1974 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock**

**Materials Interval**

Formation ID: 931024385  
 Layer: 1  
 Color: 6  
 General Color: BROWN  
 Mat1: 05  
 Most Common Material: CLAY  
 Mat2: 02  
 Mat2 Desc: TOPSOIL  
 Mat3:  
 Mat3 Desc:  
 Formation Top Depth: 0.0  
 Formation End Depth: 4.0  
 Formation End Depth UOM: ft

**Overburden and Bedrock**

**Materials Interval**

Formation ID: 931024386  
 Layer: 2  
 Color: 2  
 General Color: GREY  
 Mat1: 18  
 Most Common Material: SANDSTONE  
 Mat2:  
 Mat2 Desc:  
 Mat3:  
 Mat3 Desc:

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation Top Depth:</b>		4.0			
<b>Formation End Depth:</b>		125.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961513750			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10584302			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930063192			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		18			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930063193			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		125			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991513750			
<b>Pump Set At:</b>					
<b>Static Level:</b>		11.0			
<b>Final Level After Pumping:</b>		110.0			
<b>Recommended Pump Depth:</b>		110.0			
<b>Pumping Rate:</b>		0.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		5.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>		No			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Draw Down & Recovery**

**Pump Test Detail ID:** 934640762  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 110.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934099529  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 110.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934380186  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 110.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934898654  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 110.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933469442  
**Layer:** 2  
**Kind Code:** 5  
**Kind:** Not stated  
**Water Found Depth:** 125.0  
**Water Found Depth UOM:** ft

**Water Details**

**Water ID:** 933469441  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 60.0  
**Water Found Depth UOM:** ft

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1 of 1

NNW/204.0

91.9 / -1.69

lot 16 con 4  
ON

WWIS

**Well ID:** 1503424  
**Construction Date:**  
**Primary Water Use:** Domestic  
**Sec. Water Use:** 0  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 3/16/1959  
**Selected Flag:** True  
**Abandonment Rec:**  
**Contractor:** 3601  
**Form Version:** 1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	016
<b>Well Depth:</b>				<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503424.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503424.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1959/03/01  
**Year Completed:** 1959  
**Depth (m):** 17.0688  
**Latitude:** 45.3761289885159  
**Longitude:** -75.9587666023611  
**Path:** 150\1503424.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10025467	<b>Elevation:</b>	93.642173
<b>DP2BR:</b>	0.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	424930.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5025182.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	01-Mar-1959 00:00:00	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930996796  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 56.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well  
Use**

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b>Method Construction ID:</b>		961503424			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10574037			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043683			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		16			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043684			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		56			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503424			
<b>Pump Set At:</b>					
<b>Static Level:</b>		18.0			
<b>Final Level After Pumping:</b>		18.0			
<b>Recommended Pump Depth:</b>		18.0			
<b>Pumping Rate:</b>		5.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		3.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933456332			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Found Depth:		56.0			
Water Found Depth UOM:		ft			

<a href="#">24</a>	1 of 1	WSW/209.3	96.9 / 3.31	ON	BORE
<b>Borehole ID:</b>	609865			<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215511479			<b>SP Status:</b>	Initial Entry
<b>Status:</b>				<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole			<b>Piezometer:</b>	No
<b>Use:</b>				<b>Primary Name:</b>	
<b>Completion Date:</b>				<b>Municipality:</b>	
<b>Static Water Level:</b>	77.7			<b>Lot:</b>	
<b>Primary Water Use:</b>				<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b>	45.372868
<b>Total Depth m:</b>	-999			<b>Longitude DD:</b>	-75.961394
<b>Depth Ref:</b>	Ground Surface			<b>UTM Zone:</b>	18
<b>Depth Elev:</b>				<b>Easting:</b>	424721
<b>Drill Method:</b>				<b>Northing:</b>	5024822
<b>Orig Ground Elev m:</b>	94.5			<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>				<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	96.2				
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					

#### Borehole Geology Stratum

<b>Geology Stratum ID:</b>	218384266			<b>Mat Consistency:</b>	Soft
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>				<b>Material Texture:</b>	
<b>Material Color:</b>	White			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Bedrock			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Limestone			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	BEDROCK,LIMESTONE. WHITE. 0013900055FEET.SOFT. UNSPECIFIED,TILL. SOFT. BEDRO **Note: Many records provided by the department have a truncated [Stratum Description] field.				

#### Source

<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada			<b>Source Idem:</b>	1
<b>Source Date:</b>	1956-1972			<b>Scale or Res:</b>	Varies
<b>Confidence:</b>	M			<b>Horizontal:</b>	NAD27
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Details:</b>	File: OTTAWA1.txt RecordID: 023730 NTS_Sheet: 31G05D				
<b>Confiden 1:</b>	Reliable information but incomplete.				

#### Source List

<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies				
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Originators:</b>	Geological Survey of Canada				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">25</a>	1 of 2	NNE/209.5	89.9 / -3.69	lot 15 con 4 ON	WWIS

<b>Well ID:</b>	1503419	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Public	<b>Date Received:</b>	9/13/1962
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	1301
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	015
<b>Well Depth:</b>		<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	CON
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503419.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503419.pdf)

#### Additional Detail(s) (Map)

**Well Completed Date:** 1962/08/10  
**Year Completed:** 1962  
**Depth (m):** 48.768  
**Latitude:** 45.3761439825078  
**Longitude:** -75.9569788102417  
**Path:** 150\1503419.pdf

#### Bore Hole Information

<b>Bore Hole ID:</b>	10025462	<b>Elevation:</b>	88.628616
<b>DP2BR:</b>	1.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	425070.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5025182.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	10-Aug-1962 00:00:00	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

#### Overburden and Bedrock Materials Interval

**Formation ID:** 930996788  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		1.0			
<b>Formation End Depth:</b>		160.0			
<b>Formation End Depth UOM:</b>		ft			
 <b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		930996787			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		25			
<b>Most Common Material:</b>		OVERBURDEN			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		1.0			
<b>Formation End Depth UOM:</b>		ft			
 <b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		961503419			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
 <b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10574032			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
 <b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043673			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		9			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
 <b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043674			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		160			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Results of Well Yield Testing**

**Pump Test ID:** 991503419  
**Pump Set At:**  
**Static Level:** 12.0  
**Final Level After Pumping:** 15.0  
**Recommended Pump Depth:** 20.0  
**Pumping Rate:** 30.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 30.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Water Details**

**Water ID:** 933456325  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 90.0  
**Water Found Depth UOM:** ft

<a href="#">25</a>	2 of 2	NNE/209.5	89.9 / -3.69	lot 16 con 4 ON	WWIS
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<b>Well ID:</b> 1503423 <b>Construction Date:</b> <b>Primary Water Use:</b> Domestic <b>Sec. Water Use:</b> 0 <b>Final Well Status:</b> Water Supply <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>	<b>Data Entry Status:</b> <b>Data Src:</b> 1 <b>Date Received:</b> 5/20/1958 <b>Selected Flag:</b> True <b>Abandonment Rec:</b> <b>Contractor:</b> 3701 <b>Form Version:</b> 1 <b>Owner:</b> <b>Street Name:</b> <b>County:</b> OTTAWA <b>Municipality:</b> MARCH TOWNSHIP <b>Site Info:</b> <b>Lot:</b> 016 <b>Concession:</b> 04 <b>Concession Name:</b> CON <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>
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**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503423.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503423.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1958/04/02  
**Year Completed:** 1958  
**Depth (m):** 30.48  
**Latitude:** 45.3761439825078  
**Longitude:** -75.9569788102417

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Path:		150\1503423.pdf			

**Bore Hole Information**

<b>Bore Hole ID:</b>	10025466	<b>Elevation:</b>	88.628616
<b>DP2BR:</b>	2.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	425070.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5025182.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	02-Apr-1958 00:00:00	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	930996794
<b>Layer:</b>	1
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	06
<b>Most Common Material:</b>	SILT
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	0.0
<b>Formation End Depth:</b>	2.0
<b>Formation End Depth UOM:</b>	ft

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	930996795
<b>Layer:</b>	2
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	18
<b>Most Common Material:</b>	SANDSTONE
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	2.0
<b>Formation End Depth:</b>	100.0
<b>Formation End Depth UOM:</b>	ft

**Method of Construction & Well**

**Use**

<b>Method Construction ID:</b>	961503423
<b>Method Construction Code:</b>	1
<b>Method Construction:</b>	Cable Tool
<b>Other Method Construction:</b>	

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10574036			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043681			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		14			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043682			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		100			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503423			
<b>Pump Set At:</b>					
<b>Static Level:</b>		14.0			
<b>Final Level After Pumping:</b>		35.0			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		6.0			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933456330			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		50.0			
<b>Water Found Depth UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933456331			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		100.0			
Water Found Depth UOM:		ft			

<a href="#">26</a>	1 of 1	WSW/222.1	96.9 / 3.30	lot 15 con 3 ON	WWIS
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<b>Well ID:</b>	1503367	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	9/21/1964
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	3601
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	015
<b>Well Depth:</b>		<b>Concession:</b>	03
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	CON
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503367.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503367.pdf)

**Additional Detail(s) (Map)**

<b>Well Completed Date:</b>	1964/08/21
<b>Year Completed:</b>	1964
<b>Depth (m):</b>	19.812
<b>Latitude:</b>	45.3732242742832
<b>Longitude:</b>	-75.961654868103
<b>Path:</b>	150\1503367.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10025410	<b>Elevation:</b>	97.100563
<b>DP2BR:</b>	0.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	424700.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5024862.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	21-Aug-1964 00:00:00	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		930996673			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		65.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503367			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10573980			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043572			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		20			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043573			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		65			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503367			
<b>Pump Set At:</b>					
<b>Static Level:</b>		14.0			
<b>Final Level After Pumping:</b>		16.0			
<b>Recommended Pump Depth:</b>		60.0			
<b>Pumping Rate:</b>		3.0			
<b>Flowing Rate:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Recommended Pump Rate:</b>		3.0			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933456261			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		63.0			
<b>Water Found Depth UOM:</b>		ft			

<a href="#">27</a>	1 of 1	NW/234.7	92.9 / -0.69	1614 DUNROBIN RD KANATA ON	WWIS
<b>Well ID:</b>		1536614		<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>				<b>Date Received:</b> 8/25/2006	
<b>Sec. Water Use:</b>				<b>Selected Flag:</b> True	
<b>Final Well Status:</b>				<b>Abandonment Rec:</b> Yes	
<b>Water Type:</b>				<b>Contractor:</b> 6907	
<b>Casing Material:</b>				<b>Form Version:</b> 3	
<b>Audit No:</b>		Z17670		<b>Owner:</b>	
<b>Tag:</b>		A017499		<b>Street Name:</b> 1614 DUNROBIN RD	
<b>Construction Method:</b>				<b>County:</b> OTTAWA	
<b>Elevation (m):</b>				<b>Municipality:</b> TORBOLTON TOWNSHIP	
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/153\1536614.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536614.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 2006/05/25  
**Year Completed:** 2006  
**Depth (m):**  
**Latitude:** 45.3762821301353  
**Longitude:** -75.9598241399242  
**Path:** 153\1536614.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	11550680	<b>Elevation:</b>	96.196693
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	424848.00
<b>Code OB Desc:</b>	No formation data	<b>North83:</b>	5025200.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Cluster Kind:</b> <b>Date Completed:</b> 25-May-2006 00:00:00 <b>Remarks:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>				<b>UTMRC:</b> 3 <b>UTMRC Desc:</b> margin of error : 10 - 30 m <b>Location Method:</b> wwr	
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b> 961536614 <b>Method Construction Code:</b> B <b>Method Construction:</b> Other Method <b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b> 11560287 <b>Casing No:</b> 1 <b>Comment:</b> <b>Alt Name:</b>					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b> 11569615 <b>Pump Set At:</b> 47.0 <b>Static Level:</b> <b>Final Level After Pumping:</b> <b>Recommended Pump Depth:</b> <b>Pumping Rate:</b> <b>Flowing Rate:</b> <b>Recommended Pump Rate:</b> <b>Levels UOM:</b> ft <b>Rate UOM:</b> LPM <b>Water State After Test Code:</b> <b>Water State After Test:</b> <b>Pumping Test Method:</b> <b>Pumping Duration HR:</b> <b>Pumping Duration MIN:</b> <b>Flowing:</b>					

<a href="#">28</a>	1 of 1	SE/240.9	92.9 / -0.64	lot 15 con 3 ON	WWIS
<b>Well ID:</b> 1503364 <b>Construction Date:</b> <b>Primary Water Use:</b> Livestock <b>Sec. Water Use:</b> 0 <b>Final Well Status:</b> Water Supply <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b>		<b>Data Entry Status:</b> <b>Data Src:</b> 1 <b>Date Received:</b> 11/29/1949 <b>Selected Flag:</b> True <b>Abandonment Rec:</b> <b>Contractor:</b> 4216 <b>Form Version:</b> 1 <b>Owner:</b> <b>Street Name:</b> <b>County:</b> OTTAWA <b>Municipality:</b> MARCH TOWNSHIP <b>Site Info:</b> <b>Lot:</b> 015 <b>Concession:</b> 03 <b>Concession Name:</b> CON			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
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**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503364.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503364.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1949/09/15  
**Year Completed:** 1949  
**Depth (m):** 16.4592  
**Latitude:** 45.3717832230457  
**Longitude:** -75.9563944276012  
**Path:** 150\1503364.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10025407	<b>Elevation:</b>	91.646545
<b>DP2BR:</b>	0.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	425110.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5024697.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	15-Sep-1949 00:00:00	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	p9
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock Materials Interval**

**Formation ID:** 930996668  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 54.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well Use**

**Method Construction ID:** 961503364  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID:		10573977			
Casing No:		1			
Comment:					
Alt Name:					
<b><u>Construction Record - Casing</u></b>					
Casing ID:		930043566			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		9			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Construction Record - Casing</u></b>					
Casing ID:		930043567			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		54			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Results of Well Yield Testing</u></b>					
Pump Test ID:		991503364			
Pump Set At:					
Static Level:		17.0			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:		No			
<b><u>Water Details</u></b>					
Water ID:		933456258			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		52.0			
Water Found Depth UOM:		ft			

[29](#)

1 of 1

NNE/247.0

89.9 / -3.70

lot 16 con 4  
ON

WWIS

Well ID: 1503427  
Construction Date:

Data Entry Status:  
Data Src: 1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	6/1/1962
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	True
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	4825
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	MARCH TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	016
<b>Well Depth:</b>				<b>Concession:</b>	04
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503427.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503427.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 1962/03/21  
**Year Completed:** 1962  
**Depth (m):** 19.2024  
**Latitude:** 45.376499704265  
**Longitude:** -75.9574956842023  
**Path:** 150\1503427.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	10025470	<b>Elevation:</b>	89.516860
<b>DP2BR:</b>	8.00	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	425030.60
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5025222.00
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	21-Mar-1962 00:00:00	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930996802  
**Layer:** 2  
**Color:**  
**General Color:**  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 8.0  
**Formation End Depth:** 63.0

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		930996801			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		8.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503427			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10574040			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043690			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		63			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930043689			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		14			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503427			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Pump Set At:</b>					
Static Level:		12.0			
Final Level After Pumping:		14.0			
Recommended Pump Depth:		35.0			
Pumping Rate:		5.0			
<b>Flowing Rate:</b>					
Recommended Pump Rate:		4.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<b><u>Water Details</u></b>					
Water ID:		933456335			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		55.0			
Water Found Depth UOM:		ft			

<a href="#">30</a>	1 of 1	WSW/249.0	96.8 / 3.27	MONAGHAN LANE lot 15 con 3 KANATA ON	WWIS
<b>Well ID:</b> 1536251					
<b>Construction Date:</b>					
<b>Primary Water Use:</b> Domestic					
<b>Sec. Water Use:</b>					
<b>Final Well Status:</b> Water Supply					
<b>Water Type:</b>					
<b>Casing Material:</b>					
<b>Audit No:</b> Z39241					
<b>Tag:</b> A035433					
<b>Construction Method:</b>					
<b>Elevation (m):</b>					
<b>Elevation Reliability:</b>					
<b>Depth to Bedrock:</b>					
<b>Well Depth:</b>					
<b>Overburden/Bedrock:</b>					
<b>Pump Rate:</b>					
<b>Static Water Level:</b>					
<b>Flowing (Y/N):</b>					
<b>Flow Rate:</b>					
<b>Clear/Cloudy:</b>					
<b>Data Entry Status:</b>					
<b>Data Src:</b>					
<b>Date Received:</b> 3/20/2006					
<b>Selected Flag:</b> True					
<b>Abandonment Rec:</b>					
<b>Contractor:</b> 1558					
<b>Form Version:</b> 3					
<b>Owner:</b>					
<b>Street Name:</b> MONAGHAN LANE					
<b>County:</b> OTTAWA					
<b>Municipality:</b> MARCH TOWNSHIP					
<b>Site Info:</b>					
<b>Lot:</b> 015					
<b>Concession:</b> 03					
<b>Concession Name:</b> CON					
<b>Easting NAD83:</b>					
<b>Northing NAD83:</b>					
<b>Zone:</b>					
<b>UTM Reliability:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/153\1536251.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536251.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 2006/01/03  
**Year Completed:** 2006  
**Depth (m):** 22.85  
**Latitude:** 45.3722439550147  
**Longitude:** -75.9615565191263  
**Path:** 153\1536251.pdf

**Bore Hole Information**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Bore Hole ID:</b>	11550317			<b>Elevation:</b>	95.769897
<b>DP2BR:</b>	4.00			<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>	r			<b>East83:</b>	424707.00
<b>Code OB Desc:</b>	Bedrock			<b>North83:</b>	5024753.00
<b>Open Hole:</b>				<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>				<b>UTMRC:</b>	3
<b>Date Completed:</b>	03-Jan-2006 00:00:00			<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Remarks:</b>				<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 933040604  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 1.2100000381469727  
**Formation End Depth:** 22.850000381469727  
**Formation End Depth UOM:** m

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 933040603  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 02  
**Most Common Material:** TOPSOIL  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 1.2100000381469727  
**Formation End Depth UOM:** m

**Annular Space/Abandonment**

**Sealing Record**

**Plug ID:** 933287037  
**Layer:** 1  
**Plug From:** 6.40000009536743  
**Plug To:** 0  
**Plug Depth UOM:** m

**Annular Space/Abandonment**

**Sealing Record**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug ID:</b>		933287038			
<b>Layer:</b>		2			
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961536251			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		11559924			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930874604			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>		6.40000009536743			
<b>Depth To:</b>		22.8500003814697			
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930874603			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>		-0.449999988079071			
<b>Depth To:</b>		6.40000009536743			
<b>Casing Diameter:</b>		15.8599996566772			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		11569382			
<b>Pump Set At:</b>		15.229999542236328			
<b>Static Level:</b>		5.239999771118164			
<b>Final Level After Pumping:</b>		5.590000152587891			
<b>Recommended Pump Depth:</b>		45.5			
<b>Pumping Rate:</b>		54.599998474121094			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		m			
<b>Rate UOM:</b>		LPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Flowing:</i>					
<u><i>Draw Down &amp; Recovery</i></u>					
<i>Pump Test Detail ID:</i>		11577335			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		5			
<i>Test Level:</i>		5.309999942779541			
<i>Test Level UOM:</i>		m			
<u><i>Draw Down &amp; Recovery</i></u>					
<i>Pump Test Detail ID:</i>		11577339			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		15			
<i>Test Level:</i>		5.300000190734863			
<i>Test Level UOM:</i>		m			
<u><i>Draw Down &amp; Recovery</i></u>					
<i>Pump Test Detail ID:</i>		11577347			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		40			
<i>Test Level:</i>		5.300000190734863			
<i>Test Level UOM:</i>		m			
<u><i>Draw Down &amp; Recovery</i></u>					
<i>Pump Test Detail ID:</i>		11584728			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		60			
<i>Test Level:</i>		5.289999961853027			
<i>Test Level UOM:</i>		m			
<u><i>Draw Down &amp; Recovery</i></u>					
<i>Pump Test Detail ID:</i>		11577332			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		4			
<i>Test Level:</i>		5.489999771118164			
<i>Test Level UOM:</i>		m			
<u><i>Draw Down &amp; Recovery</i></u>					
<i>Pump Test Detail ID:</i>		11577333			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		4			
<i>Test Level:</i>		5.320000171661377			
<i>Test Level UOM:</i>		m			
<u><i>Draw Down &amp; Recovery</i></u>					
<i>Pump Test Detail ID:</i>		11577334			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		5			
<i>Test Level:</i>		5.5			
<i>Test Level UOM:</i>		m			
<u><i>Draw Down &amp; Recovery</i></u>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Pump Test Detail ID:</b>		11577337			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		10			
<b>Test Level:</b>		5.309999942779541			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11584725			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		50			
<b>Test Level:</b>		5.590000152587891			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11577331			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		3			
<b>Test Level:</b>		5.329999923706055			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11577328			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		2			
<b>Test Level:</b>		5.480000019073486			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11577330			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		3			
<b>Test Level:</b>		5.480000019073486			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11577341			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		20			
<b>Test Level:</b>		5.300000190734863			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11577344			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		5.559999942779541			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11577345			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		30			



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Test Level:</b>		5.300000190734863			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11577326			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		1			
<b>Test Level:</b>		5.429999828338623			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11577340			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		20			
<b>Test Level:</b>		5.550000190734863			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11577343			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		25			
<b>Test Level:</b>		5.300000190734863			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11577346			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		40			
<b>Test Level:</b>		5.590000152587891			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11584727			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		5.590000152587891			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11577327			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		1			
<b>Test Level:</b>		5.389999866485596			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11577329			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		2			
<b>Test Level:</b>		5.340000152587891			
<b>Test Level UOM:</b>		m			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11577336			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		10			
<b>Test Level:</b>		5.53000020980835			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11577338			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		5.550000190734863			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11577342			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		25			
<b>Test Level:</b>		5.550000190734863			
<b>Test Level UOM:</b>		m			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		11584726			
<b>Test Type:</b>		Recovery			
<b>Test Duration:</b>		50			
<b>Test Level:</b>		5.300000190734863			
<b>Test Level UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		11680991			
<b>Diameter:</b>		15.229999542236328			
<b>Depth From:</b>		6.400000095367432			
<b>Depth To:</b>		22.850000381469727			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		11680990			
<b>Diameter:</b>		22.75			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		6.400000095367432			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			

# Unplottable Summary

Total: **24** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 15 Con 3	Kanata ON	
CA	Art Fleming & Sons Enterprises Ltd / Entreprises Art Fleming & Fils Ltee	48 Pembroke Rd Lot 16	Ottawa ON	
CA	South Ottawa Collector	Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3	Ottawa ON	
CA	Bank Street & Conroy Road	Lot 15 to 18, Concession 4&5	Ottawa ON	
CA	R.M. OF OTTAWA-CARLETON	MARCH ROAD RECON., SWM FAC.	KANATA CITY ON	
CA	GALLAGHER'S GARAGE LIMITED	R.R. #1, PT.LOT 15, CONC. 4	KANATA CITY ON	
EBR	J.K. Pederson Landscaping Ltd. (614791 Ontario Ltd.)	Part Lot 16, Concession 3 CITY OF OTTAWA OSGOODE	ON	
ECA	City of Ottawa	Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3	Ottawa ON	K1P 1J1
FST	HYLANDS GOLF CLUB	LOT 13 14 & 15 CON 3 OTTAWA ON CA LOT 13 14 & 15 CON 3 OTTAWA ON CA	ON	
FST	HYLANDS GOLF CLUB	LOT 13 14 & 15 CON 3 OTTAWA ON CA LOT 13 14 & 15 CON 3 OTTAWA ON CA	ON	
GEN	City of Ottawa	1040 Riddell Drive	Kanata ON	K2K 1X7
GEN	OTTAWA, CITY OF, EMS	1040 Riddell Dr.	Kanata ON	K2K 1X7
GEN	City of Ottawa	1040 Riddell Drive	Kanata ON	K2K 1X7
GEN	OTTAWA, CITY OF, EMS	1040 Riddell Dr.	Kanata ON	K2K 1X7
GEN	OTTAWA, CITY OF, EMS	1040 Riddell Dr.	Kanata ON	K2K 1X7
GEN	City of Ottawa	1040 Riddell Drive	Kanata ON	K2K 1X7
GEN	City of Ottawa PBG OM	1040 Riddell Drive	Kanata ON	K2K 1X7

GEN	OTTAWA, CITY OF, EMS	1040 Riddell Dr.	Kanata ON	K2K 1X7
LIMO	Gloucester Landfill The Corporation of the Township of Gloucester City of	Ottawa Lot 16, Concession 3 Ottawa	ON	
LIMO		Lot 15 Concession 3 Ottawa	ON	
SPL	OTTAWA-CARLETON TRANSIT	MARCH ROAD, SOUTH OF CARLING	OTTAWA CITY ON	
SPL	ONTARIO HYDRO	SOUTH MARCH TRANSFORMER STATION, MARCH ROAD TRANSFORMER	KANATA CITY ON	
WWIS		6742 CHRIS TIERNEY PRIVATE lot 15 con 4	GREELY ON	
WWIS		1651 DUNROBIN RD lot 16 con 3	KANATA ON	

# Unplottable Report

---

**Site:** Lot 15 Con 3 Kanata ON

**Database:**  
AAGR

**Type:**  
**Region/County:** Ottawa-Carleton  
**Township:** Kanata  
**Concession:** 3  
**Lot:** 15  
**Size (ha):**  
**Landuse:**  
**Comments:**

---

**Site:** Art Fleming & Sons Enterprises Ltd / Entreprises Art Fleming & Fils Ltee  
48 Pembroke Rd Lot 16 Ottawa ON

**Database:**  
CA

**Certificate #:** 9120-7NYJH7  
**Application Year:** 2009  
**Issue Date:** 2/20/2009  
**Approval Type:** Waste Management Systems  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** South Ottawa Collector  
Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3 Ottawa ON

**Database:**  
CA

**Certificate #:** 5781-5D7RDZ  
**Application Year:** 02  
**Issue Date:** 9/13/02  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** Amended CofA  
**Client Name:** City of Ottawa  
**Client Address:** 110 Laurier Avenue West  
**Client City:** City of Ottawa  
**Client Postal Code:** K1P 1J1  
**Project Description:** Enhanced flow control and flooding protection for the Green Creek Collector and provide further reduction in the potential to divert sediments to the South Ottawa Tunnel (SOT) by reducing the accumulation of grit within the upstream Green Creek Collector and Walkley Chamber.  
**Contaminants:**  
**Emission Control:**

---

**Site:** Bank Street & Conroy Road  
Lot 15 to 18, Concession 4&5 Ottawa ON

**Database:**  
CA

**Certificate #:** 1151-52XLM4  
**Application Year:** 01  
**Issue Date:** 9/27/01  
**Approval Type:** Municipal & Private sewage

**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** The Corporation of the City of Ottawa  
**Client Address:** 110 Laurier Avenue West  
**Client City:** Ottawa  
**Client Postal Code:** K1P 1J1  
**Project Description:** Construction of Sanitary Gravity Sewers  
**Contaminants:**  
**Emission Control:**

---

**Site:** **R.M. OF OTTAWA-CARLETON**  
**MARCH ROAD RECON., SWM FAC. KANATA CITY ON**

**Database:**  
**CA**

**Certificate #:** 3-0372-96-  
**Application Year:** 96  
**Issue Date:** 6/20/1996  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** **GALLAGHER'S GARAGE LIMITED**  
**R.R. #1, PT.LOT 15, CONC. 4 KANATA CITY ON**

**Database:**  
**CA**

**Certificate #:** 8-4126-94-  
**Application Year:** 94  
**Issue Date:** 9/23/1994  
**Approval Type:** Industrial air  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:** WASTE OIL FURNACE MODEL REZNOR RAD 140-C  
**Contaminants:** Suspended Particulate Matter, Nitrogen Oxides, Sulphur Dioxide  
**Emission Control:** No Controls

---

**Site:** **J.K. Pederson Landscaping Ltd. (614791 Ontario Ltd.)**  
**Part Lot 16, Concession 3 CITY OF OTTAWA OSGOODE ON**

**Database:**  
**EBR**

**EBR Registry No:** 012-1814  
**Ministry Ref No:** MNR 24/14  
**Notice Type:** Instrument Decision  
**Notice Stage:**  
**Notice Date:** April 13, 2016  
**Proposal Date:** May 20, 2014  
**Year:** 2014  
**Instrument Type:** (ARA s. 16 (2)) - Approval of licensee proposed amendment to a site plan  
**Off Instrument Name:**  
**Posted By:**  
**Company Name:** J.K. Pederson Landscaping Ltd. (614791 Ontario Ltd.)  
**Site Address:**  
**Location Other:**  
**Proponent Name:**  
**Proponent Address:** 2408 Manotick Station Road, Osgoode Ontario, Canada K0A 2W0  
**Comment Period:**  
**URL:**

**Decision Posted:**  
**Exception Posted:**  
**Section:**  
**Act 1:**  
**Act 2:**  
**Site Location Map:**

**Site Location Details:**

Part Lot 16, Concession 3 CITY OF OTTAWA OSGOODE

---

**Site:** *City of Ottawa* **Database:**  
*ECA*  
*Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3 Ottawa ON K1P 1J1*

**Approval No:** 5781-5D7RDZ **MOE District:**  
**Approval Date:** 2002-09-13 **City:**  
**Status:** Approved **Longitude:**  
**Record Type:** ECA **Latitude:**  
**Link Source:** IDS **Geometry X:**  
**SWP Area Name:** **Geometry Y:**

**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Business Name:** City of Ottawa  
**Address:** Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/6977-5ATUWY-14.pdf>

---

**Site:** *HYLANDS GOLF CLUB* **Database:**  
*FST*  
*LOT 13 14 & 15 CON 3 OTTAWA ON CA LOT 13 14 & 15 CON 3 OTTAWA ON CA ON*

**Instance No:** 10904209 **Manufacturer:** NULL  
**Status:** Active **Serial No:** NULL  
**Cont Name:** **Ulc Standard:** NULL  
**Instance Type:** FS Liquid Fuel Tank **Quantity:** 1  
**Item:** FS LIQUID FUEL TANK **Unit of Measure:** EA  
**Item Description:** FS Liquid Fuel Tank **Fuel Type:** Diesel  
**Tank Type:** Single Wall UST **Fuel Type2:** NULL  
**Install Date:** 2/8/1991 **Fuel Type3:** NULL  
**Install Year:** 1990 **Piping Steel:**  
**Years in Service:** 20.2 **Piping Galvanized:**  
**Model:** NULL **Tanks Single Wall St:**  
**Description:** **Piping Underground:**  
**Capacity:** 4540 **Num Underground:**  
**Tank Material:** Steel **Panam Related:** NULL  
**Corrosion Protect:** Impressed Current **Panam Venue:** NULL  
**Overfill Protect:**  
**Facility Type:** FS Liquid Fuel Tank  
**Parent Facility Type:** Fuels Safety Private Fuel Outlet - Self Serve  
**Facility Location:** LOT 13 14 & 15 CON 3 OTTAWA ON CA  
**Device Installed Location:** LOT 13 14 & 15 CON 3 OTTAWA ON CA

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**Fuel Storage Tank Details**

**Owner Account Name:** HYLANDS GOLF CLUB

**Liquid Fuel Tank Details**

**Overfill Protection:** NULL  
**Owner Account Name:** HYLANDS GOLF CLUB

---

**Site:** *HYLANDS GOLF CLUB* **Database:**  
*FST*  
*LOT 13 14 & 15 CON 3 OTTAWA ON CA LOT 13 14 & 15 CON 3 OTTAWA ON CA ON*

**Instance No:** 10904186 **Manufacturer:** NULL  
**Status:** Active **Serial No:** NULL  
**Cont Name:** **Ulc Standard:** NULL  
**Instance Type:** FS Liquid Fuel Tank **Quantity:** 1  
**Item:** FS LIQUID FUEL TANK **Unit of Measure:** EA

---

<b>Item Description:</b>	FS Liquid Fuel Tank	<b>Fuel Type:</b>	Gasoline
<b>Tank Type:</b>	Single Wall UST	<b>Fuel Type2:</b>	NULL
<b>Install Date:</b>	2/8/1991	<b>Fuel Type3:</b>	NULL
<b>Install Year:</b>	1990	<b>Piping Steel:</b>	
<b>Years in Service:</b>	20.2	<b>Piping Galvanized:</b>	
<b>Model:</b>	NULL	<b>Tanks Single Wall St:</b>	
<b>Description:</b>		<b>Piping Underground:</b>	
<b>Capacity:</b>	10000	<b>Num Underground:</b>	
<b>Tank Material:</b>	Steel	<b>Panam Related:</b>	NULL
<b>Corrosion Protect:</b>	Impressed Current	<b>Panam Venue:</b>	NULL
<b>Overfill Protect:</b>			
<b>Facility Type:</b>	FS Liquid Fuel Tank		
<b>Parent Facility Type:</b>	Fuels Safety Private Fuel Outlet - Self Serve		
<b>Facility Location:</b>	LOT 13 14 & 15 CON 3 OTTAWA ON CA		
<b>Device Installed Location:</b>	LOT 13 14 & 15 CON 3 OTTAWA ON CA		

**Fuel Storage Tank Details**

**Owner Account Name:** HYLANDS GOLF CLUB

**Liquid Fuel Tank Details**

**Overfill Protection:** NULL  
**Owner Account Name:** HYLANDS GOLF CLUB

**Site:** City of Ottawa  
 1040 Riddell Drive Kanata ON K2K 1X7

**Database:**  
 GEN

<b>Generator No:</b>	ON8999386	<b>PO Box No:</b>	
<b>Status:</b>		<b>Country:</b>	Canada
<b>Approval Years:</b>	2016	<b>Choice of Contact:</b>	CO_OFFICIAL
<b>Contam. Facility:</b>	No	<b>Co Admin:</b>	
<b>MHSW Facility:</b>	No	<b>Phone No Admin:</b>	
<b>SIC Code:</b>	913140		
<b>SIC Description:</b>	913140		

**Detail(s)**

<b>Waste Class:</b>	312
<b>Waste Class Desc:</b>	PATHOLOGICAL WASTES
<b>Waste Class:</b>	251
<b>Waste Class Desc:</b>	OIL SKIMMINGS & SLUDGES

**Site:** OTTAWA, CITY OF, EMS  
 1040 Riddell Dr. Kanata ON K2K 1X7

**Database:**  
 GEN

<b>Generator No:</b>	ON0136237	<b>PO Box No:</b>	
<b>Status:</b>	Registered	<b>Country:</b>	Canada
<b>Approval Years:</b>	As of Jun 2018	<b>Choice of Contact:</b>	
<b>Contam. Facility:</b>		<b>Co Admin:</b>	
<b>MHSW Facility:</b>		<b>Phone No Admin:</b>	
<b>SIC Code:</b>			
<b>SIC Description:</b>			

**Detail(s)**

<b>Waste Class:</b>	312 P
<b>Waste Class Desc:</b>	Pathological wastes

**Site:** City of Ottawa  
 1040 Riddell Drive Kanata ON K2K 1X7

**Database:**  
 GEN

**Generator No:** ON8999386 **PO Box No:**



**Status:**  
**Approval Years:** 2015  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 913140  
**SIC Description:** 913140

**Country:** Canada  
**Choice of Contact:** CO\_OFFICIAL  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 312  
**Waste Class Desc:** PATHOLOGICAL WASTES

**Waste Class:** 251  
**Waste Class Desc:** OIL SKIMMINGS & SLUDGES

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**Site:** OTTAWA, CITY OF, EMS  
1040 Riddell Dr. Kanata ON K2K 1X7

**Database:**  
**GEN**

**Generator No:** ON0136237  
**Status:**  
**Approval Years:** 2016  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 621911  
**SIC Description:** 621911

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:** CO\_ADMIN  
**Co Admin:** Karen Mcpeak  
**Phone No Admin:** 613-580-2424 Ext.28982

**Detail(s)**

**Waste Class:** 312  
**Waste Class Desc:** PATHOLOGICAL WASTES

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**Site:** OTTAWA, CITY OF, EMS  
1040 Riddell Dr. Kanata ON K2K 1X7

**Database:**  
**GEN**

**Generator No:** ON0136237  
**Status:**  
**Approval Years:** 2014  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 621911  
**SIC Description:** 621911

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:** CO\_ADMIN  
**Co Admin:** Line Larabie  
**Phone No Admin:** 613-580-2424 Ext.22389

**Detail(s)**

**Waste Class:** 312  
**Waste Class Desc:** PATHOLOGICAL WASTES

---

**Site:** City of Ottawa  
1040 Riddell Drive Kanata ON K2K 1X7

**Database:**  
**GEN**

**Generator No:** ON8999386  
**Status:**  
**Approval Years:** 2014  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 913140  
**SIC Description:** 913140

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:** CO\_OFFICIAL  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 251  
**Waste Class Desc:** OIL SKIMMINGS & SLUDGES

**Site:** City of Ottawa PBG OM  
1040 Riddell Drive Kanata ON K2K 1X7

**Database:**  
GEN

**Generator No:** ON8999386  
**Status:** Registered  
**Approval Years:** As of Dec 2018  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:**  
**SIC Description:**

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 251 L  
**Waste Class Desc:** Waste oils/sludges (petroleum based)

**Waste Class:** 312 P  
**Waste Class Desc:** Pathological wastes

**Site:** OTTAWA, CITY OF, EMS  
1040 Riddell Dr. Kanata ON K2K 1X7

**Database:**  
GEN

**Generator No:** ON0136237  
**Status:**  
**Approval Years:** 2015  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 621911  
**SIC Description:** 621911

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:** CO\_ADMIN  
**Co Admin:** Line Larabie  
**Phone No Admin:** 613-580-2424 Ext.22389

**Detail(s)**

**Waste Class:** 312  
**Waste Class Desc:** PATHOLOGICAL WASTES

**Site:** Gloucester Landfill The Corporation of the Township of Gloucester City of  
Ottawa Lot 16, Concession 3 Ottawa ON

**Database:**  
LIMO

**ECA/Instrument No:** A460701  
**Oper Status 2016:** Closed  
**C of A Issue Date:**  
**C of A Issued to:**  
**Lndfl Gas Mgmt (P):**  
**Lndfl Gas Mgmt (F):**  
**Lndfl Gas Mgmt (E):**  
**Lndfl Gas Mgmt Sys:**  
**Landfill Gas Mntr:**  
**Leachate Coll Sys:**  
**ERC Est Vol (m3):**  
**ERC Volume Unit:**  
**ERC Dt Last Det:**  
**Landfill Type:**  
**Source File Type:**  
**Fill Rate:**  
**Fill Rate Unit:**  
**Tot Fill Area (ha):**  
**Tot Site Area (ha):**  
**Footprint:**  
**Tot Apprv Cap (m3):**  
**Contam Atten Zone:**  
**Grndwtr Mntr:**  
**Surf Wtr Mntr:**  
**Air Emis Monitor:**  
**Approved Waste Type:**  
**Client Site Name:**  
**ERC Methodology:**

**Natural Attenuation:**  
**Liners:**  
**Cover Material:**  
**Leachate Off-Site:**  
**Leachate On Site:**  
**Req Coll Lndfl Gas:**  
**Lndfl Gas Coll:**  
**Total Waste Rec:**  
**TWR Methodology:**  
**TWR Unit:**  
**Tot Apprv Cap Unit:**  
**Financial Assurance:**  
**Last Report Year:**  
**MOE Region:**  
**MOE District:**  
**Site County:**  
**Lot:**  
**Concession:**  
**Latitude:**  
**Longitude:**  
**Easting:**  
**Northing:**  
**UTM Zone:**  
**Data Source:**

**Site Name:** Gloucester Landfill  
The Corporation of the Township of Gloucester  
City of Ottawa

**Site Location Details:**  
**Service Area:**  
**Page URL:**

---

**Site:** Lot 15 Concession 3 Ottawa ON

**Database:**  
LIMO

**ECA/Instrument No:** X9005  
**Oper Status 2016:** Historic  
**C of A Issue Date:**  
**C of A Issued to:**  
**Lndfl Gas Mgmt (P):**  
**Lndfl Gas Mgmt (F):**  
**Lndfl Gas Mgmt (E):**  
**Lndfl Gas Mgmt Sys:**  
**Landfill Gas Mntr:**  
**Leachate Coll Sys:**  
**ERC Est Vol (m3):**  
**ERC Volume Unit:**  
**ERC Dt Last Det:**  
**Landfill Type:**  
**Source File Type:** Historic and Closed Landfills  
**Fill Rate:**  
**Fill Rate Unit:**  
**Tot Fill Area (ha):**  
**Tot Site Area (ha):**  
**Footprint:**  
**Tot Apprv Cap (m3):**  
**Contam Atten Zone:**  
**Grndwtr Mntr:**  
**Surf Wtr Mntr:**  
**Air Emis Monitor:**  
**Approved Waste Type:**  
**Client Site Name:**  
**ERC Methodology:**  
**Site Name:**  
**Site Location Details:** Lot 15 Concession 3  
Ottawa  
**Service Area:**  
**Page URL:**

**Natural Attenuation:**  
**Liners:**  
**Cover Material:**  
**Leachate Off-Site:**  
**Leachate On Site:**  
**Req Coll Lndfl Gas:**  
**Lndfl Gas Coll:**  
**Total Waste Rec:**  
**TWR Methodology:**  
**TWR Unit:**  
**Tot Apprv Cap Unit:**  
**Financial Assurance:**  
**Last Report Year:**  
**MOE Region:**  
**MOE District:**  
**Site County:**  
**Lot:**  
**Concession:**  
**Latitude:**  
**Longitude:**  
**Easting:**  
**Northing:**  
**UTM Zone:**  
**Data Source:**

---

**Site:** OTTAWA-CARLETON TRANSIT  
MARCH ROAD, SOUTH OF CARLING OTTAWA CITY ON

**Database:**  
SPL

**Ref No:** 222088  
**Site No:**  
**Incident Dt:** 2/25/2002  
**Year:**  
**Incident Cause:** OTHER CONTAINER LEAK  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** POSSIBLE  
**Nature of Impact:** Water course or lake  
**Receiving Medium:** LAND / WATER  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 2/25/2002  
**Dt Document Closed:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 20107  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**

**Incident Reason:** MATERIAL FAILURE **Source Type:**  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** OC TRANSIT: 2L OF ANTIFREEZE IN THE SEWER, CLEANING  
**Contaminant Qty:**

---

**Site:** ONTARIO HYDRO  
SOUTH MARCH TRANSFORMER STATION, MARCH ROAD TRANSFORMER KANATA CITY ON

**Database:**  
SPL

**Ref No:** 128700 **Discharger Report:**  
**Site No:** **Material Group:**  
**Incident Dt:** 6/26/1996 **Health/Env Conseq:**  
**Year:** **Client Type:**  
**Incident Cause:** COOLING SYSTEM LEAK **Sector Type:**  
**Incident Event:** **Agency Involved:**  
**Contaminant Code:** **Nearest Watercourse:**  
**Contaminant Name:** **Site Address:**  
**Contaminant Limit 1:** **Site District Office:**  
**Contam Limit Freq 1:** **Site Postal Code:**  
**Contaminant UN No 1:** **Site Region:**  
**Environment Impact:** CONFIRMED **Site Municipality:** 20103  
**Nature of Impact:** Soil contamination **Site Lot:**  
**Receiving Medium:** LAND **Site Conc:**  
**Receiving Env:** **Northing:**  
**MOE Response:** **Easting:** EPS  
**Dt MOE Arvl on Scn:** **Site Geo Ref Accu:**  
**MOE Reported Dt:** 7/3/1996 **Site Map Datum:**  
**Dt Document Closed:** **SAC Action Class:**  
**Incident Reason:** OTHER **Source Type:**  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** ONTARIO HYDRO: 250 ML OF PCB OIL (200 PPM) TO SOILCONTAINED AND CLEANED UP.  
**Contaminant Qty:**

---

**Site:** 6742 CHRIS TIERNEY PRIVATE lot 15 con 4 GREELY ON

**Database:**  
WWIS

**Well ID:** 7144018 **Data Entry Status:**  
**Construction Date:** **Data Src:**  
**Primary Water Use:** **Date Received:** 4/30/2010  
**Sec. Water Use:** **Selected Flag:** True  
**Final Well Status:** Abandoned-Other **Abandonment Rec:** Yes  
**Water Type:** **Contractor:** 6964  
**Casing Material:** **Form Version:** 7  
**Audit No:** Z106990 **Owner:**  
**Tag:** A081800 **Street Name:** 6742 CHRIS TIERNEY PRIVATE  
**Construction Method:** **County:** OTTAWA  
**Elevation (m):** **Municipality:** OTTAWA CITY  
**Elevation Reliability:** **Site Info:**  
**Depth to Bedrock:** **Lot:** 015  
**Well Depth:** **Concession:** 04  
**Overburden/Bedrock:** **Concession Name:**  
**Pump Rate:** **Easting NAD83:**  
**Static Water Level:** **Northing NAD83:**  
**Flowing (Y/N):** **Zone:**  
**Flow Rate:** **UTM Reliability:**  
**Clear/Cloudy:**

**Bore Hole Information**

**Bore Hole ID:** 1002966443 **Elevation:**  
**DP2BR:** **Elevrc:**  
**Spatial Status:** **Zone:**

Code OB:  
Code OB Desc:  
Open Hole:  
Cluster Kind:  
Date Completed: 25-Mar-2010 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

East83:  
North83:  
Org CS: UTM83  
UTMRC: 9  
UTMRC Desc: unknown UTM  
Location Method: wwr

**Annular Space/Abandonment  
Sealing Record**

Plug ID: 1003141782  
Layer: 1  
Plug From: 0  
Plug To: 0.300000011920929  
Plug Depth UOM: ft

**Annular Space/Abandonment  
Sealing Record**

Plug ID: 1003141783  
Layer: 2  
Plug From: 0.300000011920929  
Plug To: 3.66000008583069  
Plug Depth UOM: ft

**Method of Construction & Well  
Use**

Method Construction ID: 1003141787  
Method Construction Code:  
Method Construction:  
Other Method Construction:

**Pipe Information**

Pipe ID: 1003141779  
Casing No: 0  
Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 1003141785  
Layer:  
Material:  
Open Hole or Material:  
Depth From:  
Depth To:  
Casing Diameter:  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Construction Record - Screen**

Screen ID: 1003141786  
Layer:  
Slot:  
Screen Top Depth:

Screen End Depth:  
Screen Material:  
Screen Depth UOM: ft  
Screen Diameter UOM: inch  
Screen Diameter:

**Water Details**

Water ID: 1003141784  
Layer:  
Kind Code:  
Kind:  
Water Found Depth:  
Water Found Depth UOM: ft

**Hole Diameter**

Hole ID: 1003141781  
Diameter: 8.25  
Depth From: 0.0  
Depth To: 3.6600000858306885  
Hole Depth UOM: ft  
Hole Diameter UOM: inch

**Site:** 1651 DUNROBIN RD lot 16 con 3 KANATA ON

**Database:**  
WWIS

Well ID: 7040815  
Construction Date:  
Primary Water Use: Domestic  
Sec. Water Use: Not Used  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: Z55576  
Tag: A043547  
Construction Method:  
Elevation (m):  
Elevation Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

Data Entry Status:  
Data Src:  
Date Received: 2/12/2007  
Selected Flag: True  
Abandonment Rec:  
Contractor: 1119  
Form Version: 3  
Owner:  
Street Name: 1651 DUNROBIN RD  
County: OTTAWA  
Municipality: MARCH TOWNSHIP  
Site Info: PLAN 4R19582 S/L 3  
Lot: 016  
Concession: 03  
Concession Name: CON  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 11763372  
DP2BR: 0.00  
Spatial Status:  
Code OB: r  
Code OB Desc: Bedrock  
Open Hole:  
Cluster Kind:  
Date Completed: 28-Nov-2006 00:00:00  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

Elevation:  
Elevrc:  
Zone:  
East83:  
North83:  
Org CS:  
UTMRC:  
UTMRC Desc:  
Location Method:

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 933091875  
**Layer:** 1  
**Color:** 1  
**General Color:** WHITE  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 30.479999542236328  
**Formation End Depth UOM:** m

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933314013  
**Layer:** 1  
**Plug From:** 15.539999961853  
**Plug To:** 0  
**Plug Depth UOM:** m

**Method of Construction & Well  
Use**

**Method Construction ID:** 967040815  
**Method Construction Code:** 5  
**Method Construction:** Air Percussion  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 11771062  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930895890  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:** 0  
**Depth To:** 16.1499996185303  
**Casing Diameter:** 15.8800001144409  
**Casing Diameter UOM:** cm  
**Casing Depth UOM:** m

**Construction Record - Casing**

**Casing ID:** 930895891  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:** 15.539999961853  
**Depth To:** 30.4799995422363  
**Casing Diameter:**  
**Casing Diameter UOM:** cm  
**Casing Depth UOM:** m

**Results of Well Yield Testing**

**Pump Test ID:** 11777345  
**Pump Set At:** 16.959999084472656  
**Static Level:** 3.3399999141693115  
**Final Level After Pumping:** 3.450000047683716  
**Recommended Pump Depth:** 16.760000228881836  
**Pumping Rate:** 91.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 91.0  
**Levels UOM:** m  
**Rate UOM:** LPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:**

**Draw Down & Recovery**

**Pump Test Detail ID:** 11817179  
**Test Type:** Recovery  
**Test Duration:** 1  
**Test Level:** 3.369999885559082  
**Test Level UOM:** m

**Draw Down & Recovery**

**Pump Test Detail ID:** 11817191  
**Test Type:** Draw Down  
**Test Duration:** 50  
**Test Level:** 3.434999942779541  
**Test Level UOM:** m

**Draw Down & Recovery**

**Pump Test Detail ID:** 11817186  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 3.390000104904175  
**Test Level UOM:** m

**Draw Down & Recovery**

**Pump Test Detail ID:** 11817185  
**Test Type:** Draw Down  
**Test Duration:** 10  
**Test Level:** 3.390000104904175  
**Test Level UOM:** m

**Draw Down & Recovery**

**Pump Test Detail ID:** 11817187  
**Test Type:** Draw Down  
**Test Duration:** 20  
**Test Level:** 3.390000104904175  
**Test Level UOM:** m

**Draw Down & Recovery**

**Pump Test Detail ID:** 11817181



**Test Type:** Recovery  
**Test Duration:** 2  
**Test Level:** 3.390000104904175  
**Test Level UOM:** m

**Draw Down & Recovery**

**Pump Test Detail ID:** 11817183  
**Test Type:** Draw Down  
**Test Duration:** 4  
**Test Level:** 3.380000114440918  
**Test Level UOM:** m

**Draw Down & Recovery**

**Pump Test Detail ID:** 11817190  
**Test Type:** Draw Down  
**Test Duration:** 40  
**Test Level:** 3.430000066757202  
**Test Level UOM:** m

**Draw Down & Recovery**

**Pump Test Detail ID:** 11817182  
**Test Type:** Draw Down  
**Test Duration:** 3  
**Test Level:** 3.369999885559082  
**Test Level UOM:** m

**Draw Down & Recovery**

**Pump Test Detail ID:** 11817184  
**Test Type:** Draw Down  
**Test Duration:** 5  
**Test Level:** 3.380000114440918  
**Test Level UOM:** m

**Draw Down & Recovery**

**Pump Test Detail ID:** 11817192  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 3.450000047683716  
**Test Level UOM:** m

**Draw Down & Recovery**

**Pump Test Detail ID:** 11817178  
**Test Type:** Draw Down  
**Test Duration:** 1  
**Test Level:** 3.3499999046325684  
**Test Level UOM:** m

**Draw Down & Recovery**

**Pump Test Detail ID:** 11817180  
**Test Type:** Draw Down  
**Test Duration:** 2  
**Test Level:** 3.359999895095825  
**Test Level UOM:** m

**Draw Down & Recovery**

**Pump Test Detail ID:** 11817188  
**Test Type:** Draw Down  
**Test Duration:** 25  
**Test Level:** 3.4000000953674316  
**Test Level UOM:** m

**Draw Down & Recovery**

**Pump Test Detail ID:** 11817189  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 3.4200000762939453  
**Test Level UOM:** m

**Water Details**

**Water ID:** 934084103  
**Layer:** 1  
**Kind Code:**  
**Kind:**  
**Water Found Depth:** 17.079999923706055  
**Water Found Depth UOM:** m

**Water Details**

**Water ID:** 934084104  
**Layer:** 2  
**Kind Code:**  
**Kind:**  
**Water Found Depth:** 22.5499999237060547  
**Water Found Depth UOM:** m

**Water Details**

**Water ID:** 934084105  
**Layer:** 3  
**Kind Code:**  
**Kind:**  
**Water Found Depth:** 28.040000915527344  
**Water Found Depth UOM:** m

**Hole Diameter**

**Hole ID:** 11849425  
**Diameter:** 15.229999542236328  
**Depth From:** 0.0  
**Depth To:** 30.479999542236328  
**Hole Depth UOM:** m  
**Hole Diameter UOM:** cm

## Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " \* " indicates that the database will no longer be updated. See the individual database description for more information.

### **Abandoned Aggregate Inventory:**

Provincial [AAGR](#)

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.\*

**Government Publication Date: Sept 2002\***

### **Aggregate Inventory:**

Provincial [AGR](#)

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

**Government Publication Date: Up to Sep 2020**

### **Abandoned Mine Information System:**

Provincial [AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

**Government Publication Date: 1800-Oct 2018**

### **Anderson's Waste Disposal Sites:**

Private [ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

**Government Publication Date: 1860s-Present**

### **Aboveground Storage Tanks:**

Provincial [AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

**Government Publication Date: May 31, 2014**

### **Automobile Wrecking & Supplies:**

Private [AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

**Government Publication Date: 1999-Dec 31, 2020**

### **Borehole:**

Provincial [BORE](#)

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

**Government Publication Date: 1875-Jul 2018**

**Certificates of Approval:**

Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

**Government Publication Date: 1985-Oct 30, 2011\***

**Dry Cleaning Facilities:**

Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

**Government Publication Date: Jan 2004-Dec 2018**

**Commercial Fuel Oil Tanks:**

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: May 31, 2021**

**Chemical Manufacturers and Distributors:**

Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

**Government Publication Date: 1999-Jan 31, 2020**

**Chemical Register:**

Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

**Government Publication Date: 1999-Dec 31, 2020**

**Compressed Natural Gas Stations:**

Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

**Government Publication Date: Dec 2012 -Apr 2021**

**Inventory of Coal Gasification Plants and Coal Tar Sites:**

Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.\*

**Government Publication Date: Apr 1987 and Nov 1988\***

**Compliance and Convictions:**

Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

**Government Publication Date: 1989-Nov 2020**

**Certificates of Property Use:**

Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

**Government Publication Date: 1994- Jul 31, 2021**

**Drill Hole Database:**

Provincial [DRL](#)

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

**Government Publication Date: 1886 - Sep 2020**

**Delisted Fuel Tanks:**

Provincial [DTNK](#)

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

**Government Publication Date: May 31, 2021**

**Environmental Activity and Sector Registry:**

Provincial [EASR](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

**Government Publication Date: Oct 2011- Jun 30, 2021**

**Environmental Registry:**

Provincial [EBR](#)

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

**Government Publication Date: 1994- Jul 31, 2021**

**Environmental Compliance Approval:**

Provincial [ECA](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

**Government Publication Date: Oct 2011- Jun 30, 2021**

**Environmental Effects Monitoring:**

Federal [EEM](#)

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

**Government Publication Date: 1992-2007\***

**ERIS Historical Searches:**

Private [EHS](#)

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

**Government Publication Date: 1999-Jun 30, 2021**

**Environmental Issues Inventory System:**

Federal [EIIS](#)

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

**Government Publication Date: 1992-2001\***

**Emergency Management Historical Event:**

Provincial **EMHE**

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

**Government Publication Date: Dec 31, 2016**

**Environmental Penalty Annual Report:**

Provincial **EPAR**

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land / water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

**Government Publication Date: Jan 1, 2011 - Dec 31, 2020**

**List of Expired Fuels Safety Facilities:**

Provincial **EXP**

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: Jul 31, 2020**

**Federal Convictions:**

Federal **FCON**

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

**Government Publication Date: 1988-Jun 2007\***

**Contaminated Sites on Federal Land:**

Federal **FCS**

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

**Government Publication Date: Jun 2000-Apr 2021**

**Fisheries & Oceans Fuel Tanks:**

Federal **FOFT**

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

**Government Publication Date: 1964-Sep 2019**

**Federal Identification Registry for Storage Tank Systems (FIRSTS):**

Federal **FRST**

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

**Government Publication Date: May 31, 2018**

**Fuel Storage Tank:**

Provincial **FST**

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: Jul 31, 2020**

**Fuel Storage Tank - Historic:**

Provincial

[FSTH](#)

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

**Government Publication Date: Pre-Jan 2010\***

**Ontario Regulation 347 Waste Generators Summary:**

Provincial

[GEN](#)

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

**Government Publication Date: 1986-Apr 30, 2021**

**Greenhouse Gas Emissions from Large Facilities:**

Federal

[GHG](#)

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

**Government Publication Date: 2013-Dec 2019**

**TSSA Historic Incidents:**

Provincial

[HINC](#)

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

**Government Publication Date: 2006-June 2009\***

**Indian & Northern Affairs Fuel Tanks:**

Federal

[IAFT](#)

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

**Government Publication Date: 1950-Aug 2003\***

**Fuel Oil Spills and Leaks:**

Provincial

[INC](#)

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing is a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

**Government Publication Date: May 31, 2021**

**Landfill Inventory Management Ontario:**

Provincial

[LIMO](#)

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

**Government Publication Date: Feb 28, 2019**

**Canadian Mine Locations:**

Private

[MINE](#)

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

**Government Publication Date: 1998-2009\***

**Mineral Occurrences:**

Provincial [MNR](#)

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

**Government Publication Date: 1846-Dec 2020**

**National Analysis of Trends in Emergencies System (NATES):**

Federal [NATE](#)

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

**Government Publication Date: 1974-1994\***

**Non-Compliance Reports:**

Provincial [NCPL](#)

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

**Government Publication Date: Dec 31, 2019**

**National Defense & Canadian Forces Fuel Tanks:**

Federal [NDFT](#)

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

**Government Publication Date: Up to May 2001\***

**National Defense & Canadian Forces Spills:**

Federal [NDSP](#)

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

**Government Publication Date: Mar 1999-Apr 2018**

**National Defence & Canadian Forces Waste Disposal Sites:**

Federal [NDWD](#)

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

**Government Publication Date: 2001-Apr 2007\***

**National Energy Board Pipeline Incidents:**

Federal [NEBI](#)

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

**Government Publication Date: 2008-Mar 31, 2021**

**National Energy Board Wells:**

Federal [NEBP](#)

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

**Government Publication Date: 1920-Feb 2003\***



**National Environmental Emergencies System (NEES):**

Federal

NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

**Government Publication Date: 1974-2003\***

**National PCB Inventory:**

Federal

NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

**Government Publication Date: 1988-2008\***

**National Pollutant Release Inventory:**

Federal

NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

**Government Publication Date: 1993-May 2017**

**Oil and Gas Wells:**

Private

OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at [www.nickles.com](http://www.nickles.com).

**Government Publication Date: 1988-Feb 28, 2021**

**Ontario Oil and Gas Wells:**

Provincial

OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

**Government Publication Date: 1800-Jun 2020**

**Inventory of PCB Storage Sites:**

Provincial

OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

**Government Publication Date: 1987-Oct 2004; 2012-Dec 2013**

**Orders:**

Provincial

ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

**Government Publication Date: 1994-Jul 31, 2021**

**Canadian Pulp and Paper:**

Private

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

**Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014**

**Parks Canada Fuel Storage Tanks:**

Federal

PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

**Government Publication Date: 1920-Jan 2005\***

**Pesticide Register:**

Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

**Government Publication Date: Oct 2011- Jun 30, 2021**

**Pipeline Incidents:**

Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

**Government Publication Date: May 31, 2021**

**Private and Retail Fuel Storage Tanks:**

Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

**Government Publication Date: 1989-1996\***

**Permit to Take Water:**

Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

**Government Publication Date: 1994- Jul 31, 2021**

**Ontario Regulation 347 Waste Receivers Summary:**

Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

**Government Publication Date: 1986-1990, 1992-2018**

**Record of Site Condition:**

Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

**Government Publication Date: 1997-Sept 2001, Oct 2004-Jul 2021**

**Retail Fuel Storage Tanks:**

Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

**Government Publication Date: 1999-Dec 31, 2020**

**Scott's Manufacturing Directory:**

Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

**Government Publication Date: 1992-Mar 2011\***

**Ontario Spills:**

Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

**Government Publication Date: 1988-Aug 2020**

**Wastewater Discharger Registration Database:**

Provincial [SRDS](#)

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

**Government Publication Date: 1990-Dec 31, 2018**

**Anderson's Storage Tanks:**

Private [TANK](#)

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

**Government Publication Date: 1915-1953\***

**Transport Canada Fuel Storage Tanks:**

Federal [TCFT](#)

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

**Government Publication Date: 1970 - Dec 2020**

**Variations for Abandonment of Underground Storage Tanks:**

Provincial [VAR](#)

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

**Government Publication Date: May 31, 2021**

**Waste Disposal Sites - MOE CA Inventory:**

Provincial [WDS](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

**Government Publication Date: Oct 2011- Jun 30, 2021**

**Waste Disposal Sites - MOE 1991 Historical Approval Inventory:**

Provincial [WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30th, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

**Government Publication Date: Up to Oct 1990\***

**Water Well Information System:**

Provincial [WWIS](#)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

**Government Publication Date: Apr 30, 2021**

# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

**Map Key:** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

**Unplottables:** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



## **APPENDIX E**

Technical Standards and Safety Authority

**RE: TSSA request - 4 Campbell Reid Court Kanata ON**

Public Information Services &lt;publicinformationservices@tssa.org&gt;

Thu 8/26/2021 12:18 PM

To: Mohit Bhargav &lt;mohit.bhargav@gemtec.ca&gt;

**Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.**

**NO RECORD FOUND**

Hello,

Thank you for your request for confirmation of public information.

- We confirm that there are no records in our database of any fuel storage tanks at the subject addresses. For a further search in our archives please complete our release of public information form found at [https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?\\_mid\\_=392](https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392) and email the completed form to [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org) along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind regards,

Mariah

**Public Information Agent**

Facilities and Business Services

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org)[www.tssa.org](http://www.tssa.org)


---

**From:** Mohit Bhargav <mohit.bhargav@gemtec.ca>  
**Sent:** August 26, 2021 9:44

AM

**To:** Public Information Services <publicinformationservices@tssa.org>**Subject:** TSSA request - 4 Campbell Reid Court Kanata ON**[CAUTION]:** This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Can you please process a TSSA request for the following properties:

1. Subject property: 4 Campbell Reid Ct
2. 15 Campbell Reid Ct
3. 640 and 1030 Cameron Harvey Drive

in Kanata, ON

Thank you.

**Mohit Bhargav**

Environmental Technician

Ottawa, ON

tel: 613.836.1422 / toll-free: 1.877.243.6832

mobile: 5068970427 / fax: 613.836.9731

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.

**CAUTION:** This email is not from someone with an @gemtec.ca email address. Do not click links or open attachments that you do not trust.



## **APPENDIX F**

### Aerial Photographs





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# HISTORICAL AERIALS

**Project Property:** 65103.01  
4 Campbell Reid Court  
Kanata ON K2K 1X7

**Project No:**

**Requested By:** GEMTEC Consulting Engineers and Scientists Limited (Ontario)

**Order No:** 21041400009

**Date Completed:** September 27, 2021

<b>Decade</b>	<b>Year</b>	<b>Image Scale</b>	<b>Source</b>
1940	1945	15000	NAPL
1980	1984	25000	NAPL

Aerial Maps included in this report are produced by the sources listed above and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property. No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using aerial photos listed in above sources. The maps contained in this report does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

## **Environmental Risk Information Services**

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)



0 0.125 0.25 0.5  
Kilometers

Order Number: 2104140009

Year: 1945  
Source: NAPL  
Map Scale: 1: 10000  
Comments:





0 0.125 0.25 0.5  
Kilometers

Order Number: 2104140009

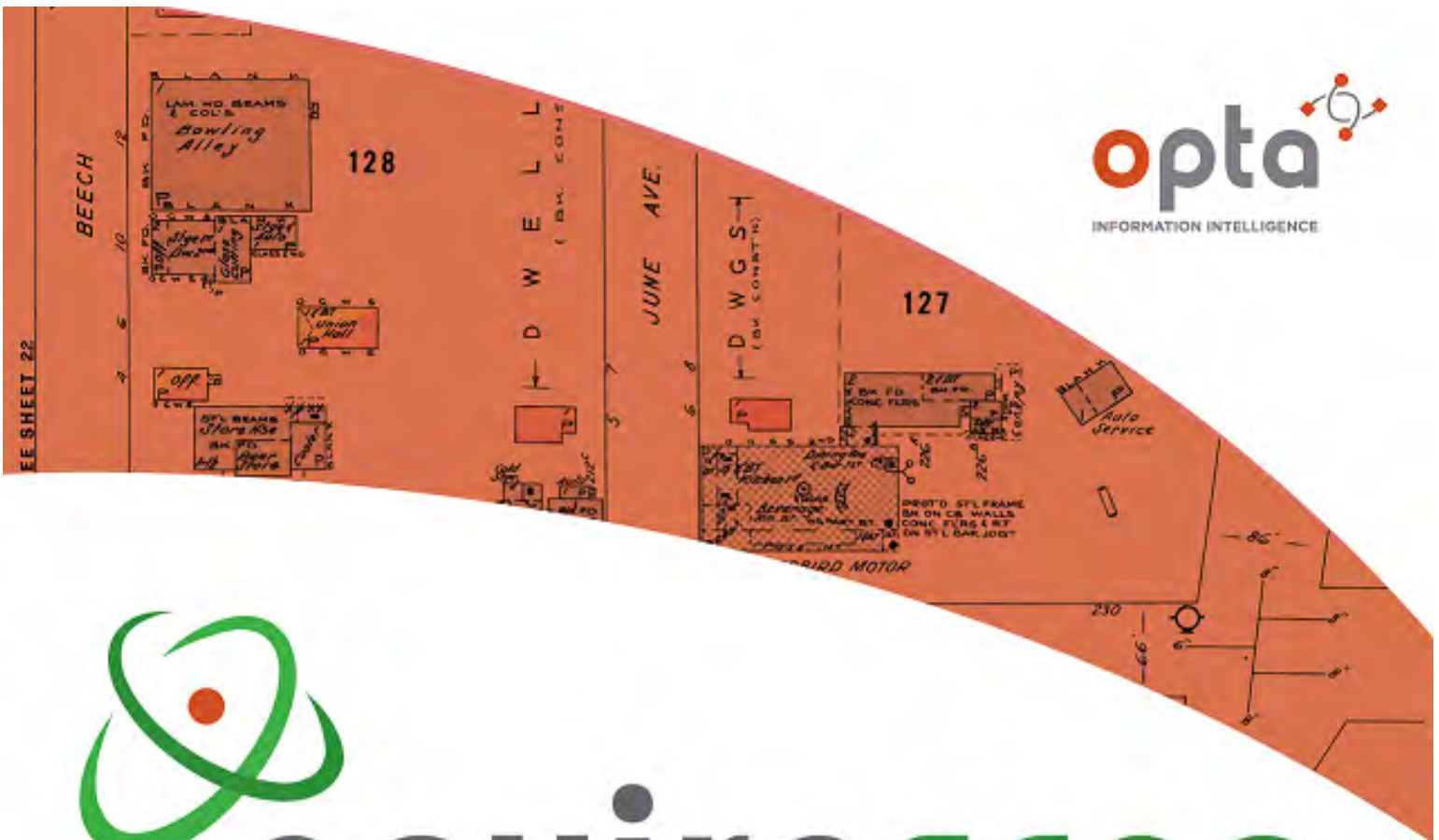
Year: 1984  
Source: NAPL  
Map Scale: 1: 10000  
Comments:





## **APPENDIX G**

Fire Insurance Plans



# enviroscan



An SCM Company

175 Commerce Valley Drive W  
Markham, Ontario L3T 7Z3

T: 905-882-6300  
W: [www.optaintel.ca](http://www.optaintel.ca)

Report Completed By:

Sunita

Site Address:

4 Campbell Reid Court Kanata Ont

Project No:

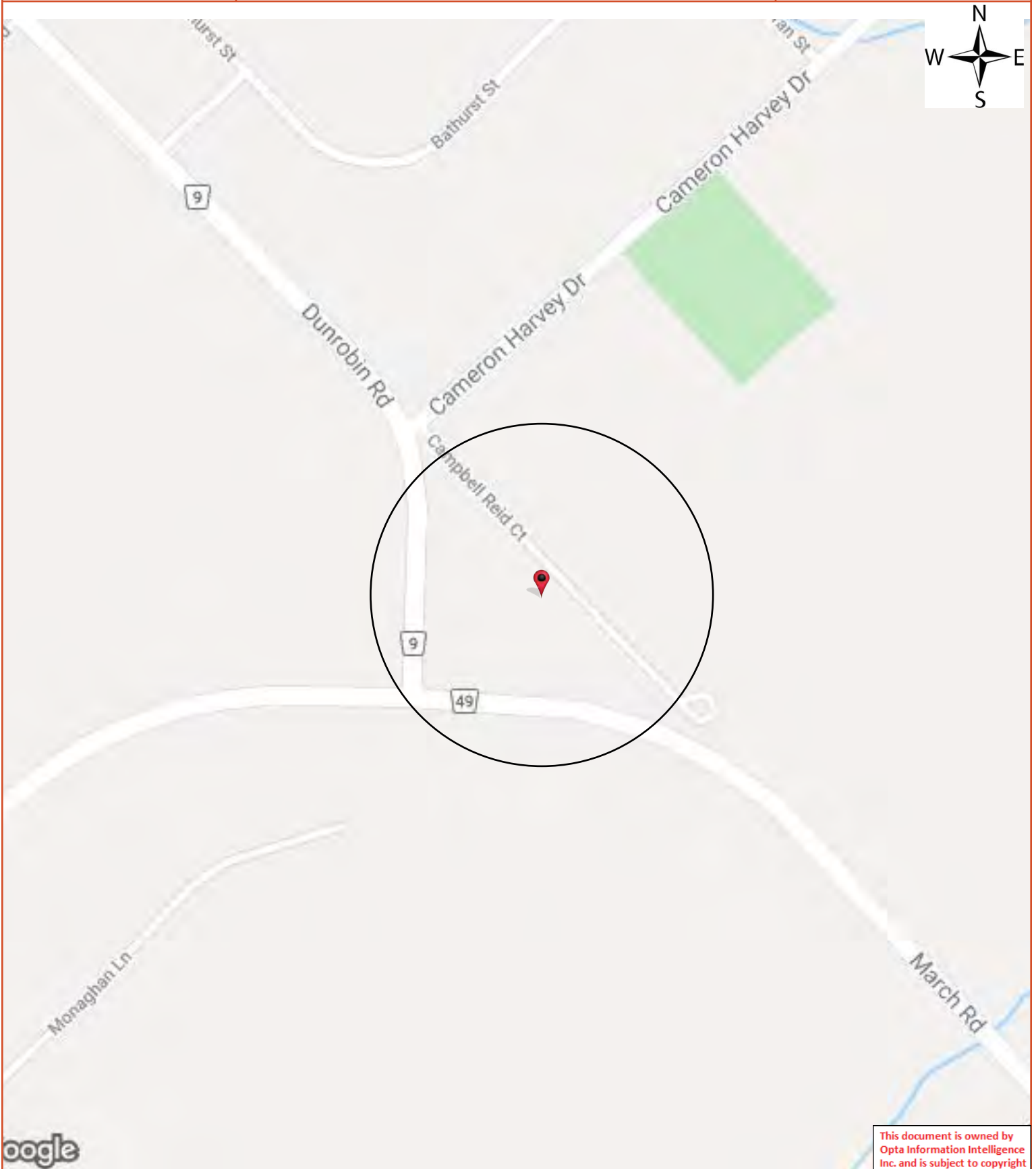
21041400009

Opta Order ID:

95279

Requested by:  
Eleanor Goolab  
ERIS

Date Completed:  
9/1/2021 6:26:33 AM



## Opta Historical Environmental Services Enviroscan<sup>TM</sup> Terms and Conditions

### Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Opta's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

### Disclaimer

Opta disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Opta Reports or from any tortious acts or omissions of Opta's agents, employees or representatives.

### Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

### Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

### Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.



No Records Found

Requested by:  
Eleanor Goolab

Date Completed: 09/01/2021 06:26:33



OPTA INFORMATION INTELLIGENCE

No Records Found





## **APPENDIX H**

Well Records

N/A

Address of Well Location (Street Number/Name) #11 Campbell Reid Court Township West Carleton (March) P/L15 Con 4  
 County/District/Municipality Ottawa-Carleton City/Town/Village Dunrobin Province Ontario Postal Code  
 UTM Coordinates Zone Easting Northing NAD 83 18 425 120 5024949 Municipal Plan and Sublot Number RP-5R615 Other Part 1

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 To
	6" Drilled Well	Abandonment		0' 84'

\* Henry Mains - Oct 28/85 - Audit 270186 - ATTACHED

\* New 6" Drilled Well - TAGA 199873 - APRIL 26/16  
 Audit - Z 202778

Annular Space

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
From To		
84' 5'	3/8 Hole Plug	23 bags
5' 0'	Backfill	

Method of Construction

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  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)		Status of Well
			From	To	
					<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input checked="" type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify

Construction Record - Screen

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

Water Details

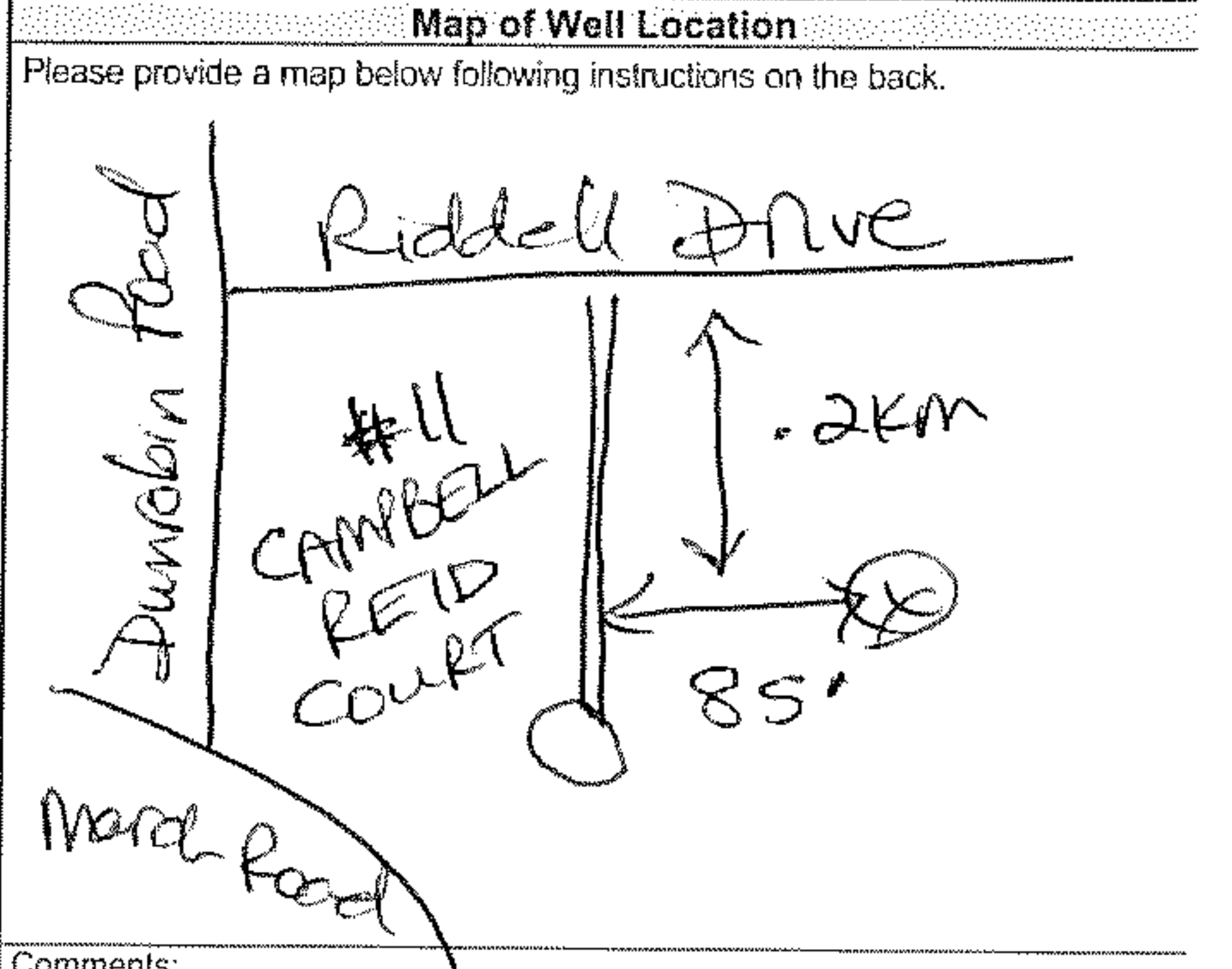
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify
	<input type="checkbox"/> Fresh <input type="checkbox"/> Untested
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify
	<input type="checkbox"/> Fresh <input type="checkbox"/> Untested
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify

Well Contractor and Well Technician Information

Business Name of Well Contractor: AIR ROCK DRILLING CO LTD Well Contractor's Licence No.: 11119  
 Business Address (Street Number/Name): RR#1 Municipality: RICHMOND  
 Province: ONT Postal Code: K0A2Z0 Business E-mail Address:

Results of Well Yield Testing

	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify				
If pumping discontinued, give reason:				
Pump intake set at (m/ft)	1		1	
Pumping rate (l/min / GPM)	2		2	
Duration of pumping hrs + min	3		3	
Final water level end of pumping (m/ft)	4		4	
If flowing give rate (l/min / GPM)	5		5	
Recommended pump depth (m/ft)	10		10	
Recommended pump rate (l/min / GPM)	15		15	
Well production (l/min / GPM)	20		20	
Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	25		25	
	30		30	
	40		40	
	50		50	
	60		60	



Comments:

Business Telephone No. (inc. area code): 613 838 2170 Name of Well Technician (Last Name, First Name): Desautniers Ken  
 Well Technician's Licence No.: T4 Signature of Technician and/or Contractor: [Signature] Date Submitted: 20160429

Well owner's information package delivered:  Yes  No  
 Date Package Delivered: [Signature]  
 Date Work Completed: 20160427

Ministry Use Only  
 Audit No. Z 202777  
 JUN 21 2015  
 Received

Measurements recorded in:  Metric  Imperial

A199873

Page \_\_\_\_\_ of \_\_\_\_\_

Address of Well Location (Street Number/Name) **11 Campbell Reid Court** Township **West Carleton (March)** Lot **P/L 15** Concession **4**

County/District/Municipality **Ottawa-Carleton** City/Town/Village **Dunrobin** Province **Ontario** Postal Code \_\_\_\_\_

UTM Coordinates Zone Easting Northing Municipal Plan and Sublot Number Other  
**NAD 83 18 425117 5024942 RP-5R 615 Part 1**

**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	To
	Sand			0'	4'
Grey & Brown	Sandstone			4'	23'
Grey	Sandstone			23'	48'
Grey	Sandstone			48'	69'
Grey	Sandstone			69'	72'
Grey	Sandstone			72'	80'

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
20' / 0'	Neat cement	7.8

**Results of Well Yield Testing**

After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify <b>Not tested</b>	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason: <b>X</b>	Static Level	0.8"		3.9"
	1	2.6	1	1.5
Pump intake set at (m/ft) 70	2	2.9	2	1.
Pumping rate (l/min / GPM) 20	3	3.1	3	0.8
Duration of pumping 1 hrs + 0 min	4	3.2	4	0.8
Final water level end of pumping (m/ft) 3.9"	5	3.3	5	0.8
If flowing give rate (l/min / GPM) <b>X</b>	10	3.4	10	0.8
Recommended pump depth (m/ft) 70	15	3.5	15	0.8
Recommended pump rate (l/min / GPM) 20	20	3.6	20	0.8
Well production (l/min / GPM) 20	25	3.6	25	0.8
Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	30	3.7	30	0.8
	40	3.8	40	0.8
	50	3.9	50	0.8
	60	3.9"	60	0.8"

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  Other, specify \_\_\_\_\_  
 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)		Status of Well
			From	To	
6 1/4"	Steel	188"	+2'	20'	<input checked="" type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____
6"	Open Hole		20'	80'	

**Construction Record - Screen**

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

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested
48' (m/ft)	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____
69' (m/ft)	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____
73' (m/ft)	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____

**Hole Diameter**

Depth (m/ft)	Diameter (cm/in)
0 - 20	
20 - 80	

**Well Contractor and Well Technician Information**

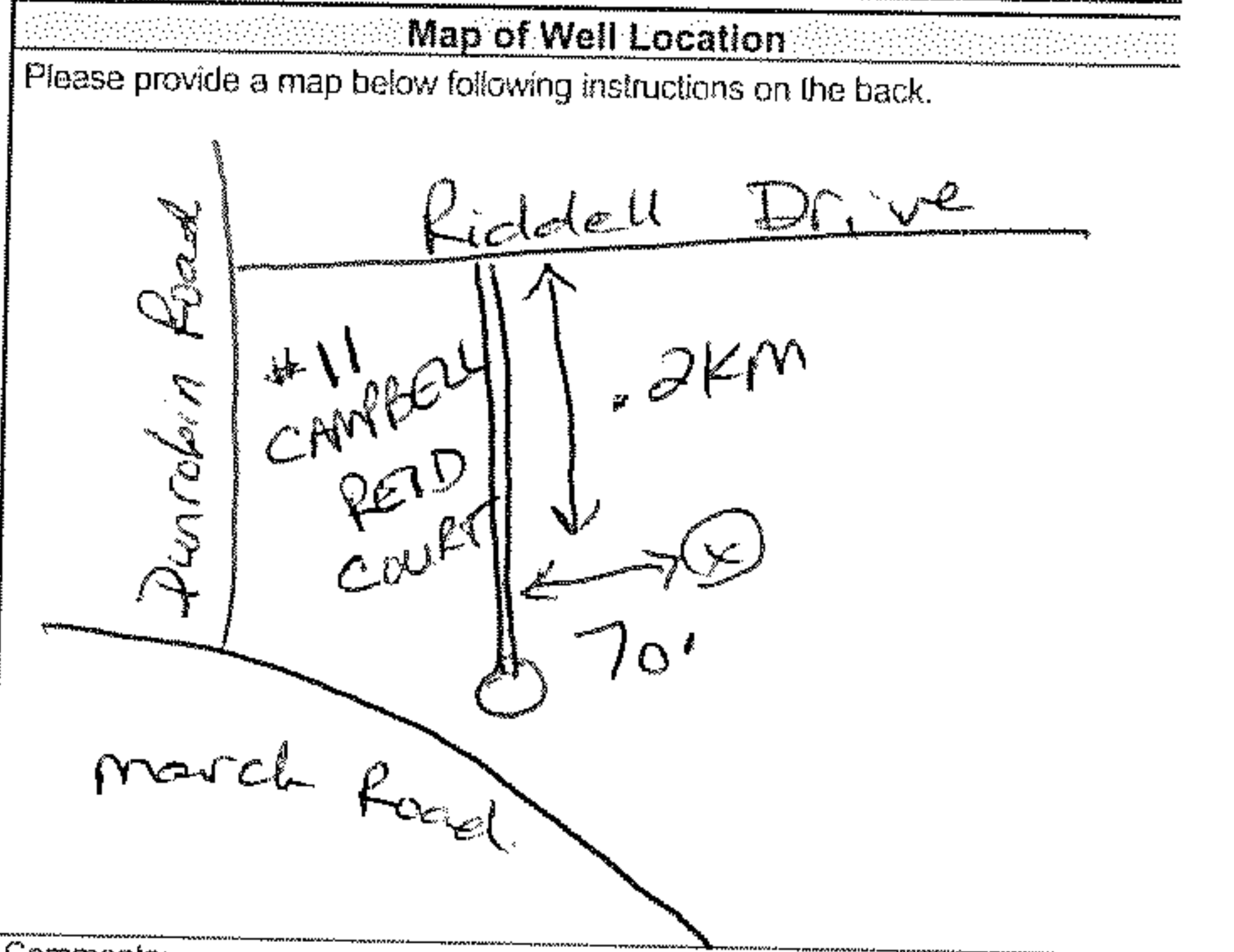
Business Name of Well Contractor: **Air Rock Drilling Co. Ltd.** Well Contractor's Licence No.: **1119**

Business Address (Street Number/Name): **8850 Franktown Road, RR#1** Municipality: **Ridgemoor**

Province: **ON** Postal Code: **K0A 2Z0** Business E-mail Address: **air-rock@sympatico.ca**

Bus. Telephone No. (inc. area code): **6138382170** Name of Well Technician (Last Name, First Name): **Hanna, Jeremy**

Well Technician's Licence No.: **13632** Signature of Technician and/or Contractor: *[Signature]* Date Submitted: **04 29 2016**



Comments: **1/2 HP - 10 GPM SET @ 70 FT**

Well owner's information package delivered	Date Package Delivered	Ministry Use Only
<input checked="" type="checkbox"/> Yes	<b>2016 04 27</b>	Audit No. <b>202778</b>
<input type="checkbox"/> No	Date Work Completed <b>2016 04 28</b>	<b>JUN 21 2016</b>



Measurements recorded in:  Metric  Imperial

A135311

Well Owner's Information

First Name, Last Name / Organization (Klinger Homes), E-mail Address, Mailing Address (176 Loreka Court), Municipality (Stittsville), Province (ON), Postal Code (K2S1N3), Telephone No.

Well Location

Address of Well Location (1535 Monaghan Lane), Township (March), Lot (15), Concession (3), County/District/Municipality (Ottawa-Carleton), City/Town/Village (Kanata), Province (Ontario), UTM Coordinates (NAD 83, Zone 18, Easting 421917, Northing 5024719, Municipal Plan and Sublot Number 4M 829, Other S/L 18)

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

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To. Includes handwritten entries for Sand, Sandstone, and Fill.

Annular Space: Depth Set at (20' to 0'), Type of Sealant Used (Neat cement), Volume Placed (12.5). Results of Well Yield Testing: Draw Down, Recovery, Pumping rate (20 GPM), Duration of pumping (1 hr).

Method of Construction:  Air percussion. Well Use:  Domestic.

Construction Record - Casing: Inside Diameter (6 1/4", 6 1/8"), Open Hole OR Material (Steel, Open Hole), Wall Thickness (188), Depth (2' to 80'). Status of Well:  Water Supply.

Construction Record - Screen: Outside Diameter, Material, Slot No., Depth (m/ft).

Water Details: Water found at Depth (70, 5, 20 m/ft), Kind of Water (Fresh, Untested, Gas). Hole Diameter: Depth (m/ft) and Diameter (cm/in) for different sections.

Well Contractor and Well Technician Information: Business Name (Air Rock Drilling Co. Ltd.), Licence No. (1119), Business Address (6659 Franktown Road, RR#1), Municipality (Richmond).

Well Technician's Licence No. (T13632), Signature of Technician and/or Contractor (Hanna Jeremy), Date Submitted (2013 08 30).

Map of Well Location: Diagram showing well location at 1535 Monaghan Lane, 0.8KM from Second Line Road, with a depth of 30' indicated.

Comments: 1/2 HP - 10 GPM SET @ 70 FT

Ministry Use Only: Audit No. (z155220), Date Work Completed (2013 08 29), Date Package Delivered (2013 08 29).



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

11

1533821

Municipality 15006 Con. CON 03

County or District: OTTAWA-CARLETON  
 Township/Borough/City/Town/Village: KANATA (TWP OF MARCH)  
 Con. block tract survey, etc.: CONVESSION 3  
 Lot: 16  
 Address: 1675 Dunrobin Rd, Kanata, Ont.  
 Date completed: 02 04 03

21

U M 10 12 17 18 24 25 26 30 31

Northings RC Elevation RC Basin Code ii iii iv

**LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)**

General colour	Most common material	Other materials	General description	Depth - feet	
				From	To
<i>Well used usually for abandonment of existing 6" drilled well.</i>					

31

32

**41 WATER RECORD**

Water found at - feet	Kind of water
10-13	1 <input type="checkbox"/> Fresh 3 <input type="checkbox"/> Sulphur 2 <input type="checkbox"/> Salty 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas 6 <input type="checkbox"/> Gas
15-18	1 <input type="checkbox"/> Fresh 3 <input type="checkbox"/> Sulphur 2 <input type="checkbox"/> Salty 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas 6 <input type="checkbox"/> Gas
20-23	1 <input type="checkbox"/> Fresh 3 <input type="checkbox"/> Sulphur 2 <input type="checkbox"/> Salty 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas 6 <input type="checkbox"/> Gas
25-28	1 <input type="checkbox"/> Fresh 3 <input type="checkbox"/> Sulphur 2 <input type="checkbox"/> Salty 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas 6 <input type="checkbox"/> Gas
30-33	1 <input type="checkbox"/> Fresh 3 <input type="checkbox"/> Sulphur 2 <input type="checkbox"/> Salty 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas 6 <input type="checkbox"/> Gas

**51 CASING & OPEN HOLE RECORD**

Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
6"	1 <input type="checkbox"/> Steel 2 <input type="checkbox"/> Galvanized 3 <input type="checkbox"/> Concrete 4 <input type="checkbox"/> Open hole 5 <input type="checkbox"/> Plastic		0	75
17-18	1 <input type="checkbox"/> Steel 2 <input type="checkbox"/> Galvanized 3 <input type="checkbox"/> Concrete 4 <input type="checkbox"/> Open hole 5 <input type="checkbox"/> Plastic			20-23
24-25	1 <input type="checkbox"/> Steel 2 <input type="checkbox"/> Galvanized 3 <input type="checkbox"/> Concrete 4 <input type="checkbox"/> Open hole 5 <input type="checkbox"/> Plastic			27-30

**SCREEN**

Slot No.	Diameter inches	Length feet

Material and type: *None*  
 Depth at top of screen: *0* feet

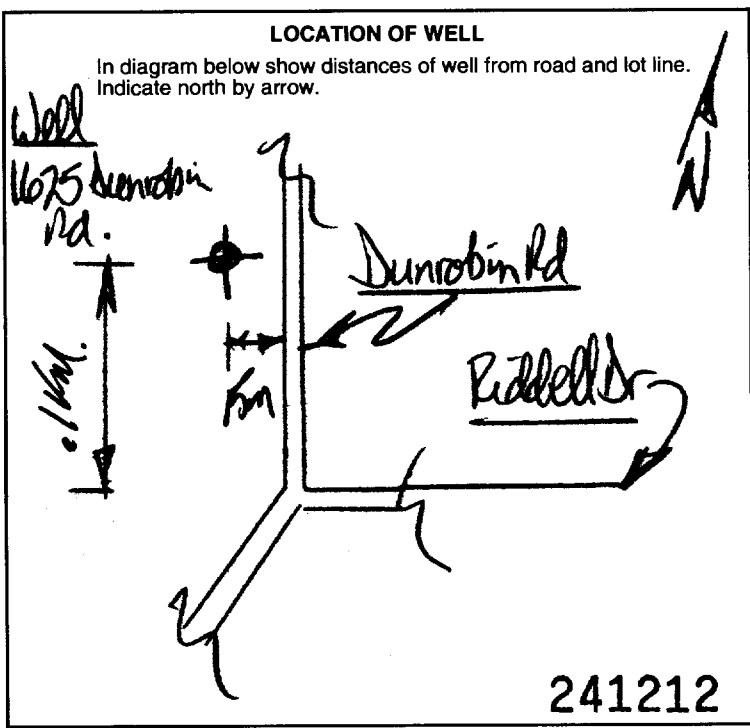
**61 PLUGGING & SEALING RECORD**

Annular space  Abandonment

Depth set at - feet	Material and type	
From	To	
0	75	None
18-21	22-25	<i>None</i>
26-29	30-33	<i>None</i>

**71 PUMPING TEST**

Pumping test method	Pumping rate GPM	Duration of pumping
1 <input type="checkbox"/> Pump 2 <input type="checkbox"/> Bailer		11-14 Hours 15-16 Mins
Static level: 16 feet	Water level during:	1 <input type="checkbox"/> Pumping 2 <input type="checkbox"/> Recovery
Water level end of pumping: 22 feet	15 minutes: 26 feet	30 minutes: 29 feet
If flowing give rate: 0 GPM	45 minutes: 32 feet	60 minutes: 35 feet
Recommended pump type: <input type="checkbox"/> Shallow <input type="checkbox"/> Deep	Recommended pump setting: 43-45 feet	Water at end of test: <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy
	Recommended pump rate: 46-49 GPM	



**FINAL STATUS OF WELL**

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

**WATER USE**

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

**METHOD OF CONSTRUCTION**

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

Name of Well Contractor: STANTON DRILLING INC  
 Well Contractor's Licence No.: 4875  
 Address: Box 219, Pakenham, Ont. N0A2X0  
 Name of Well Technician: Peter Stanton  
 Well Technician's Licence No.: T-0086  
 Signature: [Signature] Submission date: 02 04 03

**MINISTRY USE ONLY**

Data source: 4875	Contractor: 4875	Date received: JUN 04 2003
Date of inspection:	Inspector:	
Remarks:		

CSS.ES3

1520307

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

MUNICIPALITY: \_\_\_\_\_ CON. NO.: \_\_\_\_\_

COUNTY OF DISTRICT: Carleton Place TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Kanata CON., BLOCK, TRACT, SURVEY, ETC.: Con H LOT: 15

WELL NO.: R#1, Kanata K2K 1X7 DATE COMPLETED: DAY 28 MO 10 YR 85

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	TO
<u>brown</u>	<u>sand</u>			<u>0</u>	<u>2</u>
<u>grey</u>	<u>sandstone</u>			<u>2</u>	<u>63</u>

31 \_\_\_\_\_ 32 \_\_\_\_\_

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
<u>58</u>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<u>6 1/4</u>	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	<u>188</u>	<u>0</u>	<u>22</u>
<u>6</u>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		<u>22</u>	<u>63</u>
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			

**SCREEN**

SIZE (5) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

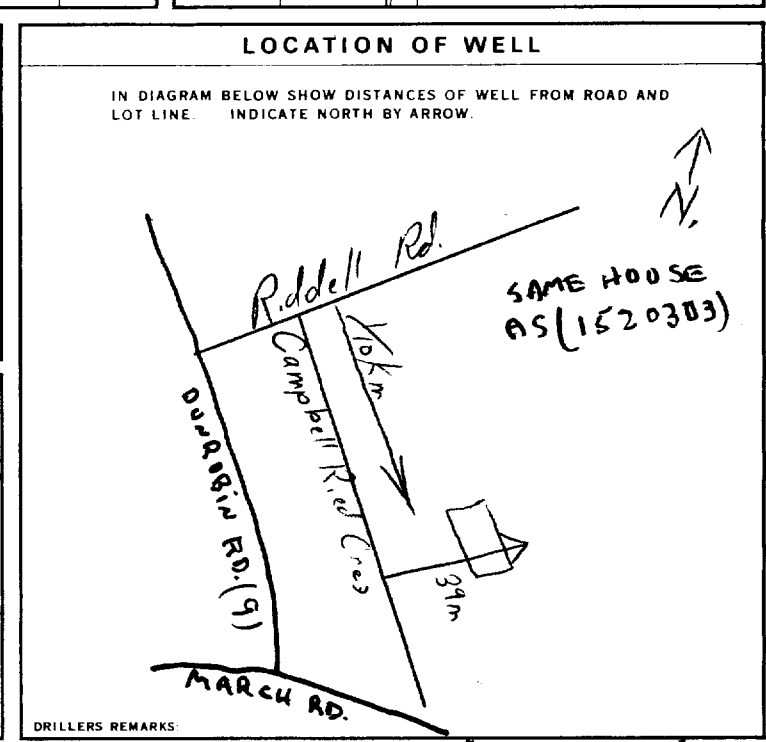
MATERIAL AND TYPE: \_\_\_\_\_ DEPTH TO TOP OF SCREEN: \_\_\_\_\_

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM: <u>10-13</u> TO: <u>18-17</u>	<u>Cement grouted</u>
FROM: <u>18-21</u> TO: <u>22-25</u>	
FROM: <u>26-29</u> TO: <u>30-33</u>	

**71 PUMPING TEST**

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	<u>14</u> GPM	<u>1</u> HOURS <u>0</u> MINS
STATIC LEVEL: <u>15</u> FEET	WATER LEVEL END OF PUMPING: <u>50</u> FEET	WATER LEVELS DURING:
		15 MINUTES: <u>50</u> FEET
		30 MINUTES: <u>50</u> FEET
		45 MINUTES: <u>50</u> FEET
		60 MINUTES: <u>50</u> FEET
IF FLOWING, GIVE RATE: _____ GPM	PUMP INTAKE SET AT: _____ FEET	WATER AT END OF TEST: _____ FEET
RECOMMENDED PUMP TYPE: <input checked="" type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING: <u>50</u> FEET	RECOMMENDED PUMPING RATE: <u>10</u> GPM



**FINAL STATUS OF WELL**

1 <input type="checkbox"/> WATER SUPPLY	5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY
2 <input type="checkbox"/> OBSERVATION WELL	6 <input type="checkbox"/> ABANDONED, POOR QUALITY
3 <input type="checkbox"/> TEST HOLE	7 <input type="checkbox"/> UNFINISHED
4 <input checked="" type="checkbox"/> RECHARGE WELL	

**WATER USE**

1 <input checked="" type="checkbox"/> DOMESTIC	5 <input type="checkbox"/> COMMERCIAL
2 <input type="checkbox"/> STOCK	6 <input type="checkbox"/> MUNICIPAL
3 <input type="checkbox"/> IRRIGATION	7 <input type="checkbox"/> PUBLIC SUPPLY
4 <input type="checkbox"/> INDUSTRIAL	8 <input type="checkbox"/> COOLING OR AIR CONDITIONING
<input type="checkbox"/> OTHER	9 <input type="checkbox"/> NOT USED

**METHOD OF DRILLING**

1 <input type="checkbox"/> CABLE TOOL	6 <input type="checkbox"/> BORING
2 <input type="checkbox"/> ROTARY (CONVENTIONAL)	7 <input type="checkbox"/> DIAMOND
3 <input type="checkbox"/> ROTARY (REVERSE)	8 <input type="checkbox"/> JETTING
4 <input type="checkbox"/> ROTARY (AIR)	9 <input type="checkbox"/> DRIVING
5 <input checked="" type="checkbox"/> AIR PERCUSSION	

**CONTRACTOR**

NAME OF WELL CONTRACTOR: Henry Mairs Well Drilling LICENCE NUMBER: 3644

ADDRESS: Box 326, Richmond Ont.

NAME OF DRILLER OR BORER: Henry Mairs LICENCE NUMBER: \_\_\_\_\_

SIGNATURE OF CONTRACTOR: [Signature] SUBMISSION DATE: DAY 29 MO 10 YR 85

**OFFICE USE ONLY**

DATE RECEIVED: 27 01 86

DATE OF INSPECTION: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_

REMARKS: \_\_\_\_\_

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

11 1520303

MUNICIP. CON. LOT 15

COUNTY OR DISTRICT: *Carleton Place* TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: *Kanata* CON. BLOCK, FRACT., SURVEY, ETC.: *Con 4* LOT: *15*

*#1, Kanata K2K 1X7* DATE COMPLETED: DAY *28* MO *10* YR *85*

**LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)**

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<i>brown</i>	<i>sand</i>			<i>0</i>	<i>6</i>
<i>grey</i>	<i>sandstone</i>			<i>6</i>	<i>84</i>

31

32

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
<i>60</i>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 14 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
<i>79</i>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 19 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 24 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 29 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 34 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<i>64</i>	1 <input checked="" type="checkbox"/> STEEL 12 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	<i>1/88</i>	<i>0</i>	<i>22</i>
<i>6</i>	1 <input type="checkbox"/> STEEL 19 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		<i>22</i>	<i>84</i>
	1 <input type="checkbox"/> STEEL 26 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			<i>27-30</i>

**SCREEN**

SIZE (S) OF OPENING (SLOT NO.)

DIAMETER INCHES

LENGTH FEET

MATERIAL AND TYPE

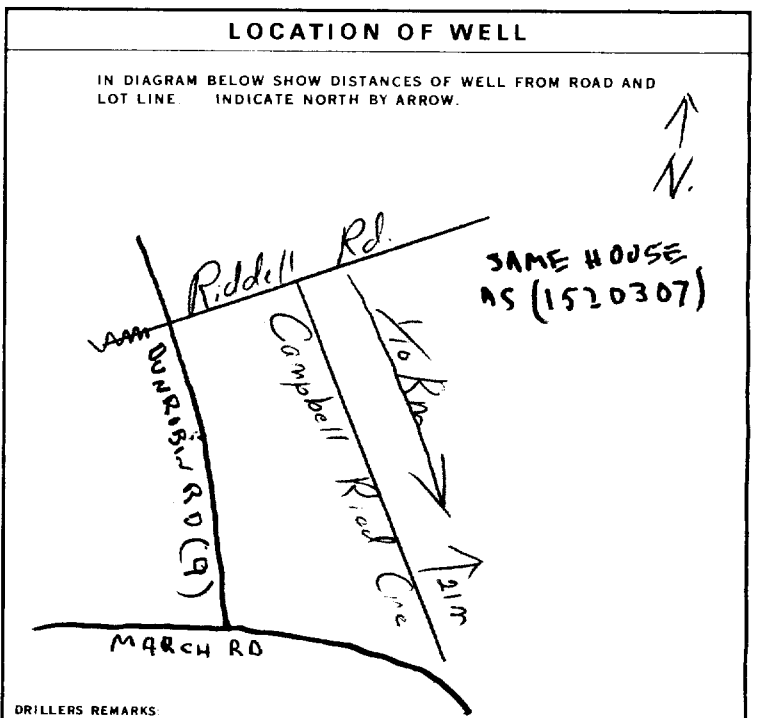
DEPTH TO TOP OF SCREEN FEET

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET		MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM	TO	
<i>10-13</i>	<i>14-17</i>	<i>Cement grout</i>
<i>18-21</i>	<i>22-25</i>	
<i>26-29</i>	<i>30-33</i>	

**71 PUMPING TEST**

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	<i>20</i> GPM	15-16 HOURS 17-18 MINS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
<i>23</i> FEET	<i>60</i> FEET	15 MINUTES <i>60</i> 30 MINUTES <i>60</i> 45 MINUTES <i>60</i> 60 MINUTES <i>60</i>
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	<i>60</i> GPM	1 <input type="checkbox"/> CLEAR 2 <input checked="" type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	<i>60</i> FEET	<i>15</i> GPM



**FINAL STATUS OF WELL**

1 <input checked="" type="checkbox"/> WATER SUPPLY	5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY
2 <input type="checkbox"/> OBSERVATION WELL	6 <input type="checkbox"/> ABANDONED POOR QUALITY
3 <input type="checkbox"/> TEST HOLE	7 <input type="checkbox"/> UNFINISHED
4 <input type="checkbox"/> RECHARGE WELL	

**WATER USE**

1 <input checked="" type="checkbox"/> DOMESTIC	5 <input type="checkbox"/> COMMERCIAL
2 <input type="checkbox"/> STOCK	6 <input type="checkbox"/> MUNICIPAL
3 <input type="checkbox"/> IRRIGATION	7 <input type="checkbox"/> PUBLIC SUPPLY
4 <input type="checkbox"/> INDUSTRIAL	8 <input type="checkbox"/> COOLING OR AIR CONDITIONING
<input type="checkbox"/> OTHER	9 <input type="checkbox"/> NOT USED

**METHOD OF DRILLING**

1 <input type="checkbox"/> CABLE TOOL	6 <input type="checkbox"/> BORING
2 <input type="checkbox"/> ROTARY (CONVENTIONAL)	7 <input type="checkbox"/> DIAMOND
3 <input type="checkbox"/> ROTARY (REVERSE)	8 <input type="checkbox"/> JETTING
4 <input type="checkbox"/> ROTARY (AIR)	9 <input type="checkbox"/> DRIVING
5 <input checked="" type="checkbox"/> AIR PERCUSSION	

**CONTRACTOR**

NAME OF WELL CONTRACTOR: *Henry Mains Well Drilling* LICENCE NUMBER: *3694*

ADDRESS: *Box 326 Richmond Ont.*

NAME OF DRILLER OR BORER: *Hy Mains* LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: *Hy Mains* SUBMISSION DATE: DAY *29* MO *10* YR *85*

**OFFICE USE ONLY**

DATA SOURCE

CONTRACTOR: *270186*

DATE OF INSPECTION

INSPECTOR

REMARKS





Ontario

# WATER WELL RECORD

316/5ed

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

11 11514694 15006 CON 03

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	DATE COMPLETED
		3	08 05 75
Tybalt Cres. Ottawa, Ontario			48-53
24580 4 0302 4 26			

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
brown	sand			0	2
grey	sandstone		hard	2	30
white	sandstone			30	73

31 0002628 003021873 00731118

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER			
0068	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	2 <input type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/2	1 <input checked="" type="checkbox"/> STEEL	188	0	0026
5 1/2	2 <input type="checkbox"/> GALVANIZED		26	73
06	3 <input type="checkbox"/> CONCRETE			
	4 <input checked="" type="checkbox"/> OPEN HOLE			

**SCREEN**

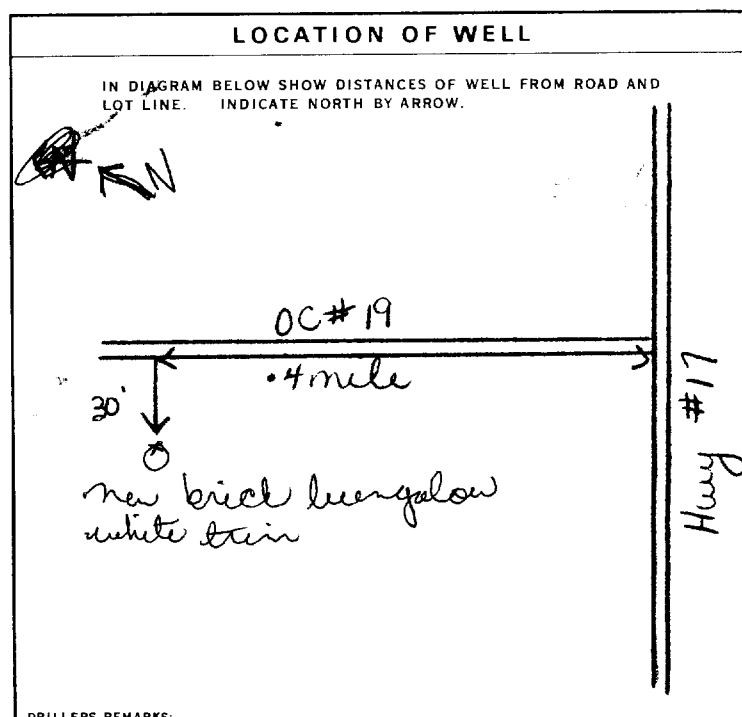
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET	MATERIAL AND TYPE
10-13	14-17
18-21	22-25
26-29	30-33

**71 PUMPING TEST**

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	0010 GPM	01 15-16 00 17-18 HOURS MINS



**FINAL STATUS OF WELL**

1  WATER SUPPLY

**WATER USE**

1  DOMESTIC

**METHOD OF DRILLING**

5  AIR PERCUSSION

**CONTRACTOR**

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd.  
ADDRESS: Box 490 Stittsville, Ontario  
LICENCE NUMBER: 1558

NAME OF DRILLER OR BORER: M. Hamilton  
SIGNATURE OF CONTRACTOR: [Signature]  
SUBMISSION DATE: DAY 9 NO. 5 YR. 75

**OFFICE USE ONLY**

DATA SOURCE: 1  
CONTRACTOR: 1558  
DATE RECEIVED: 05 06 75  
DATE OF INSPECTION: 10/6/77  
INSPECTOR: P. Hobby



Ontario

# WATER WELL RECORD

319/52

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

11 1513876 1.5906 CON 04

COUNTY OR DISTRICT: Centre TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: March CON., BLOCK, TRACT, SURVEY, ETC: IV LOT: 015

DATE COMPLETED: DAY 13 MO 11 YR 75

NAME: R1 Kanata Ont

AMC: 024772 BC: 4 ELEVATION: 300 BC: 4 BASIN CODE: 26 II: JAN 12, 1975 III: 44 IV: 44

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<del>18</del>					
<u>Brown</u>	<u>Sandstone</u>			<u>0</u>	<u>84</u>

31 028418

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13 <u>080</u>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<u>06 1/2</u>	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	<u>0</u>	<u>0</u>	<u>020</u>
<u>06</u>	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		<u>20</u>	<u>0084</u>
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			<u>27-30</u>

SCREEN

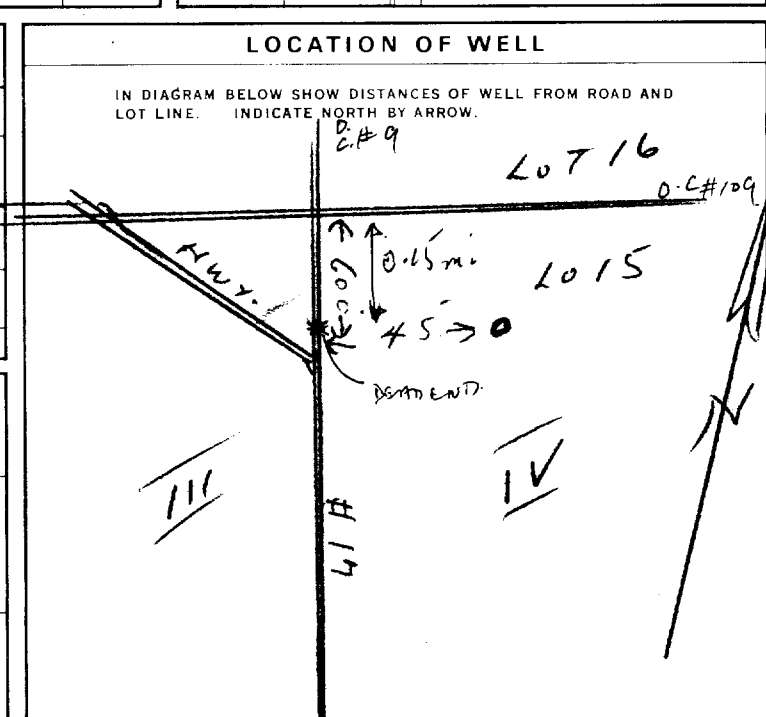
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	
	FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM TO	
10-13 14-17	
18-21 22-25	
26-29 30-33 80	

71 PUMPING TEST

PUMPING TEST METHOD <input checked="" type="checkbox"/> PUMP <input type="checkbox"/> BAILER	PUMPING RATE <u>50</u> GPM	DURATION OF PUMPING 11-14 <u>01</u> HOURS 15-16 <u>00</u> HOURS 17-18 <u>00</u> MINS
STATIC LEVEL 19-21 <u>007</u> FEET	WATER LEVEL END OF PUMPING 22-24 <u>007</u> FEET	WATER LEVELS DURING PUMPING 15 MINUTES 26-28 <u>007</u> FEET 30 MINUTES 29-31 <u>007</u> FEET 45 MINUTES 32-34 <u>007</u> FEET 60 MINUTES 35-37 <u>007</u> FEET
IF FLOWING, GIVE RATE 38-41 <u>50</u> GPM	PUMP INTAKE SET AT 42-43 <u>050</u> FEET	WATER AT END OF TEST 44-45 <u>0010</u> FEET
RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 46-49 <u>050</u> FEET	RECOMMENDED PUMPING RATE 50-53 <u>0010</u> 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  UNFINISHED

WATER USE  
1  DOMESTIC  
2  STOCK  
3  IRRIGATION  
4  INDUSTRIAL  
5  OTHER  
6  COMMERCIAL  
7  MUNICIPAL  
8  PUBLIC SUPPLY  
9  COOLING OR AIR CONDITIONING  
10  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: George H Law Son LICENCE NUMBER: 3323

ADDRESS: Calabogie Ont

NAME OF DRILLER OR BOWER: Alf Law LICENCE NUMBER:  

SIGNATURE OF CONTRACTOR: G H Law SUBMISSION DATE: DAY 31 MO 01 YR 74

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 3323 DATE RECEIVED: 080274

DATE OF INSPECTION:   INSPECTOR: J.R.

REMARKS: P-R



Ontario

# WATER WELL RECORD

314/5d

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

11 1513750

MUNICIPALITY 15000 COM. 103

COUNTY OR DISTRICT Barleton TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE March CON. BLOCK, TRACT, SURVEY, ETC. 3 LOT 25-27 015

DATE COMPLETED  
DAY 15 MO. 01 YR. 74

NG 024504 RC 4 ELEVATION 303 RC 4 BASIN CODE 26 JAN 12, 1975 IV 44

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<u>Brown clay</u>	<u>clay</u>		<u>Top Soil</u>	0	4
<u>gray</u>	<u>Sandstone</u>		<u>Med hard</u>	4	125

31 00014605102 12/25/74  
32

#### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0000	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 14
60	2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
0125	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 19
	2 <input checked="" type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 24
	2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 29
	2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 34
	2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

#### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/2	STEEL	1.188	0	0018
6 1/2	GALVANIZED			
6 1/2	CONCRETE			
6 1/2	OPEN HOLE		78	125
6 1/2	STEEL			20-23
6 1/2	GALVANIZED			
6 1/2	CONCRETE			
6 1/2	OPEN HOLE		18	0125
6 1/2	STEEL			27-30
6 1/2	GALVANIZED			
6 1/2	CONCRETE			
6 1/2	OPEN HOLE			

#### SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

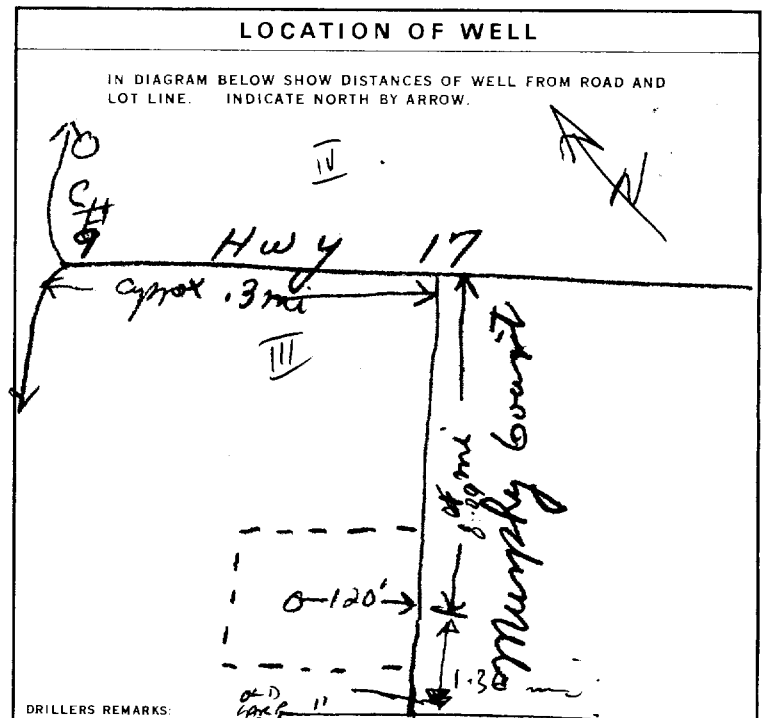
MATERIAL AND TYPE: \_\_\_\_\_ DEPTH TO TOP OF SCREEN: \_\_\_\_\_

#### 61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13	14-17
18-21	22-25
26-29	30-33

#### 71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	0000 GPM	15-16 HOURS 17-18 MINS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
011 FEET	190 FEET	15 MINUTES: 110 FEET 30 MINUTES: 110 FEET 45 MINUTES: 110 FEET 60 MINUTES: 110 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	110 GPM	1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	110 FEET	0005 GPM



#### FINAL STATUS OF WELL

1 <input checked="" type="checkbox"/> WATER SUPPLY	5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY
2 <input type="checkbox"/> OBSERVATION WELL	6 <input type="checkbox"/> ABANDONED, POOR QUALITY
3 <input type="checkbox"/> TEST HOLE	7 <input type="checkbox"/> UNFINISHED
4 <input type="checkbox"/> RECHARGE WELL	

#### WATER USE

1 <input checked="" type="checkbox"/> DOMESTIC	5 <input type="checkbox"/> COMMERCIAL
2 <input type="checkbox"/> STOCK	6 <input type="checkbox"/> MUNICIPAL
3 <input type="checkbox"/> IRRIGATION	7 <input type="checkbox"/> PUBLIC SUPPLY
4 <input type="checkbox"/> INDUSTRIAL	8 <input type="checkbox"/> COOLING OR AIR CONDITIONING
<input type="checkbox"/> OTHER	9 <input type="checkbox"/> NOT USED

#### METHOD OF DRILLING

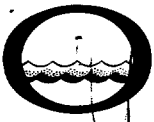
1 <input checked="" type="checkbox"/> CABLE TOOL	6 <input type="checkbox"/> BORING
2 <input type="checkbox"/> ROTARY (CONVENTIONAL)	7 <input type="checkbox"/> DIAMOND
3 <input type="checkbox"/> ROTARY (REVERSE)	8 <input type="checkbox"/> JETTING
4 <input type="checkbox"/> ROTARY (AIR)	9 <input type="checkbox"/> DRIVING
5 <input checked="" type="checkbox"/> AIR PERCUSSION	

#### CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
<u>Maple Leaf Drilling</u>	<u>3658</u>
ADDRESS	
<u>409-465 Richmond Rd</u>	
NAME OF DRILLER OR BORER	LICENCE NUMBER
<u>Robert Bisson</u>	
SIGNATURE OF CONTRACTOR	SUBMISSION DATE
<u>Robert Bisson</u>	DAY _____ MO. _____ YR. _____

#### OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
<u>1</u>	<u>3658</u>	<u>110274</u>
DATE OF INSPECTION	INSPECTOR	
	<u>K</u>	<u>P-R</u>
REMARKS:		



# WATER WELL RECORD

3185d

Water management in Ontario

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

11  
1 2

1511129

MUNICIP. 15006

CON. C&W

03  
22 23 24

COUNTY OR DISTRICT <b>Carleton</b>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <b>March</b>	CON., BLOCK, TRACT, SURVEY, ETC. <b>III</b>	LOT <b>015</b>
Address <b>South March, Ont. (Kennedy's Corner)</b>		DATE COMPLETED DAY <b>28</b> MO. <b>APR</b> YR. <b>71</b>	
WATER FOUND AT - FEET <b>02.4550</b>	RC. <b>4</b>	ELEVATION <b>030.5</b>	RC. <b>5</b>
		BASIN CODE <b>R5</b>	

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
	<b>sandstone</b>			<b>0</b>	<b>77</b>

31 **0077 18**

32

**41 WATER RECORD**

WATER FOUND AT - FEET <b>0053</b> <del>55-75</del>	KIND OF WATER
15-18	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<b>06</b>	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	<b>3/16</b>	<b>0</b>	<b>27</b> <b>0017</b>
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE			<b>0077</b>
24-25	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			

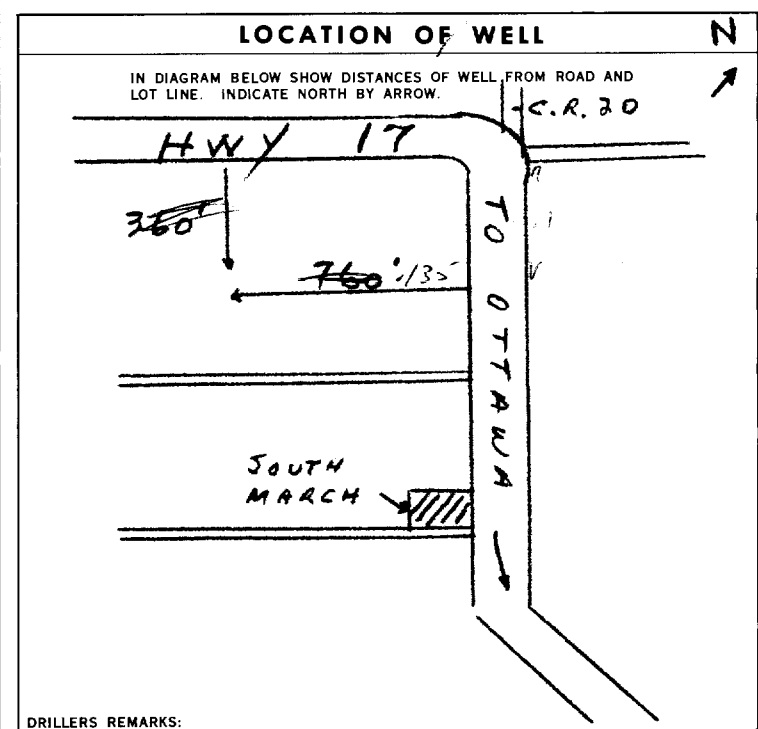
**61 PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET		MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM	TO	
10-13	14-17	
18-21	22-25	
26-29	30-33	

**71 PUMPING TEST**

PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE <b>0013</b> GPM.	DURATION OF PUMPING 15-16 HOURS <b>01</b> 17-18 MINS.
STATIC LEVEL <b>010</b> FEET	WATER LEVEL END OF PUMPING <b>042</b> FEET	WATER LEVELS DURING
15 MINUTES <b>010</b> FEET	30 MINUTES <b>010</b> FEET	45 MINUTES <b>010</b> FEET
60 MINUTES <b>010</b> FEET		
PUMP INTAKE SET AT GPM.	WATER AT END OF TEST <b>010</b> FEET	
RECOMMENDED PUMP TYPE <input checked="" type="checkbox"/> ALLOW <input type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING <b>090</b> FEET	RECOMMENDED PUMPING RATE <b>0010</b> GPM.

50-53 **000.4** GPM./FT. SPECIFIC CAPACITY



**54 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

**55-56 WATER USE**

1  DOMESTIC  
2  STOCK  
3  IRRIGATION  
4  INDUSTRIAL  
5  OTHER

5  COMMERCIAL  
6  MUNICIPAL  
7  PUBLIC SUPPLY  
8  COOLING OR AIR CONDITIONING  
9  NOT USED

**57 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  
**J.B. DUFRESNE & CO. LIMITED**

LICENCE NUMBER  
**1802**

ADDRESS  
**1014 Maitland Ave., Ottawa 5, Ont.**

NAME OF DRILLER OR BORER  
**R. Laniel**

LICENCE NUMBER

SIGNATURE OF CONTRACTOR

SUBMISSION DATE  
DAY **28** MO. **4** YR. **71**

**OFFICE USE ONLY**

DATA SOURCE **1**

CONTRACTOR **1802**

DATE RECEIVED **060571**

DATE OF INSPECTION

INSPECTOR **WA**

REMARKS:

P **X**  
WI



# The Ontario Water Resources Commission Act WATER WELL RECORD

3195d

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED  
2. CHECK  CORRECT BOX WHERE APPLICABLE

11	1511125	MUNICIP. 1510006	CON. 04N	LOT 015
COUNTY OR DISTRICT <b>Carleton</b>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <b>March</b>	CON., BLOCK, TRACT, SURVEY, ETC. <b>III</b>		LOT 25-27 <b>015</b>
ADDRESS <b>[REDACTED] March, Ont. (Kennedy's Corner</b>			DATE COMPLETED DAY <b>16</b> MO. <b>Apr</b> YR. <b>71</b>	
GRID COORDINATE <b>24610</b>	RC <b>4</b>	ELEVATION <b>0305</b>	RC <b>5</b>	BASIN CODE <b>25</b>

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
	soil - fill			0	2
	sandstone			2	80

31	0002 0201	0080 18
32		

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
0048 <del>48-76</del>	<input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
06	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE	3/16	0	20-47
				0020
				0080

**SCREEN**

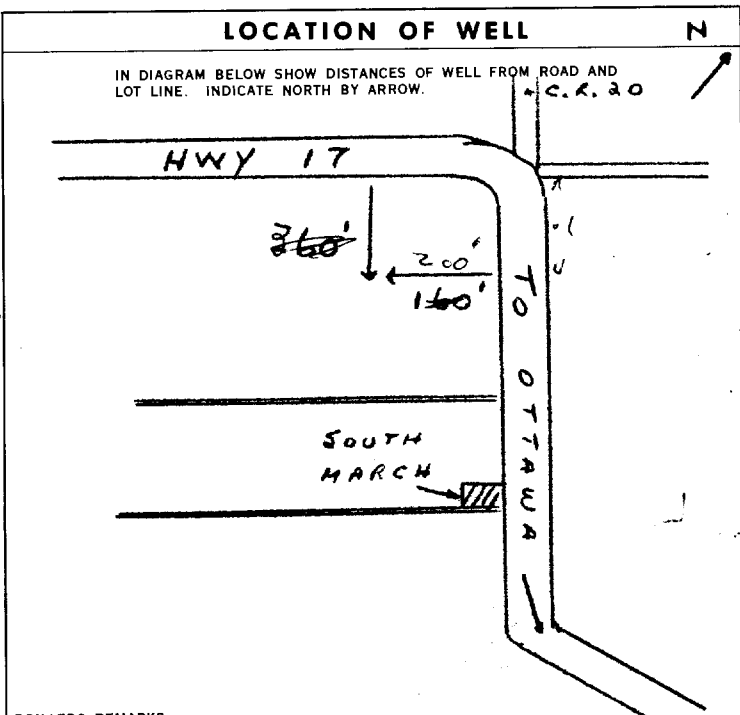
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	
	41-44	
	80 FEET	

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM TO	
10-13	14-17
18-21	22-25
26-29	30-33
	80

**71 PUMPING TEST**

PUMPING TEST METHOD <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE 0015 GPM	DURATION OF PUMPING 15-16 HOURS 00 MINS.
STATIC LEVEL 0003 FEET	WATER LEVEL END OF PUMPING 0056 FEET	WATER LEVELS DURING
		15 MINUTES 0003 FEET
		30 MINUTES 0003 FEET
		45 MINUTES 0003 FEET
		60 MINUTES 0003 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	GPM	<input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE <input checked="" type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 030 FEET	RECOMMENDED PUMPING RATE 0005 GPM
50-53 0.0.3 GPM./FT. SPECIFIC CAPACITY		



<b>FINAL STATUS OF WELL</b>	<input checked="" type="checkbox"/> WATER SUPPLY <input type="checkbox"/> OBSERVATION WELL <input type="checkbox"/> TEST HOLE <input type="checkbox"/> RECHARGE WELL	<input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY <input type="checkbox"/> ABANDONED, POOR QUALITY <input type="checkbox"/> UNFINISHED
<b>WATER USE</b>	<input checked="" type="checkbox"/> DOMESTIC <input type="checkbox"/> STOCK <input type="checkbox"/> IRRIGATION <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> OTHER	<input type="checkbox"/> COMMERCIAL <input type="checkbox"/> MUNICIPAL <input type="checkbox"/> PUBLIC SUPPLY <input type="checkbox"/> COOLING OR AIR CONDITIONING <input type="checkbox"/> NOT USED
<b>METHOD OF DRILLING</b>	<input type="checkbox"/> CABLE TOOL <input type="checkbox"/> ROTARY (CONVENTIONAL) <input type="checkbox"/> ROTARY (REVERSE) <input checked="" type="checkbox"/> ROTARY (AIR) <input type="checkbox"/> AIR PERCUSSION	<input type="checkbox"/> BORING <input type="checkbox"/> DIAMOND <input type="checkbox"/> JETTING <input type="checkbox"/> DRIVING

<b>CONTRACTOR</b>	NAME OF WELL CONTRACTOR <b>J.B. DUFRESNE &amp; CO. LIMITED</b>	LICENCE NUMBER <b>1802</b>
	ADDRESS <b>1014 Maitland Ave., Ottawa 5, Ont.</b>	
	NAME OF DRILLER OR BORER <b>R. Isniel</b>	LICENCE NUMBER
SIGNATURE OF CONTRACTOR	SUBMISSION DATE DAY <b>16</b> MO. <b>4</b> YR. <b>71</b>	

**OFFICE USE ONLY**

DATA SOURCE <b>1</b>	CONTRACTOR <b>1802</b>	DATE RECEIVED <b>290471</b>
DATE OF INSPECTION	INSPECTOR <b>[Signature]</b>	
REMARKS	P / WI	



# WATER WELL RECORD

Water management in Ontario

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

11

1511038

MUNICIP. 15096

CON. C. & N.

03

COUNTY OR DISTRICT <b>CARLETON</b>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <b>MARCH TWP.</b>	CON. BLOCK, TRACT, SURVEY, ETC. <b>CON 3</b>	LOT <b>103</b>
DATE COMPLETED <b>28 MO. 08 YR. 70</b>			48-53
ELEVATION <b>024660</b>		RC. <b>4</b>	RC. <b>4</b>
BASIN CODE <b>25</b>		I II III IV	

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
		<b>PREVIOUSLY DRILLED</b>		<b>0</b>	<b>51</b>
<b>WHITE</b>	<b>SANDSTONE</b>	<b>PARTICLES OF SHALE &amp; LIMESTONE</b>	<b>SOFT DRILLING</b>	<b>51</b>	<b>80</b>

31	0051 24	0088 118 1715
32		

#### 41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
10-13	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL

#### 51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	<input checked="" type="checkbox"/> STEEL		<b>0</b>	<b>51</b>
17-18	<input type="checkbox"/> STEEL		<b>51</b>	<b>80</b>

#### SCREEN

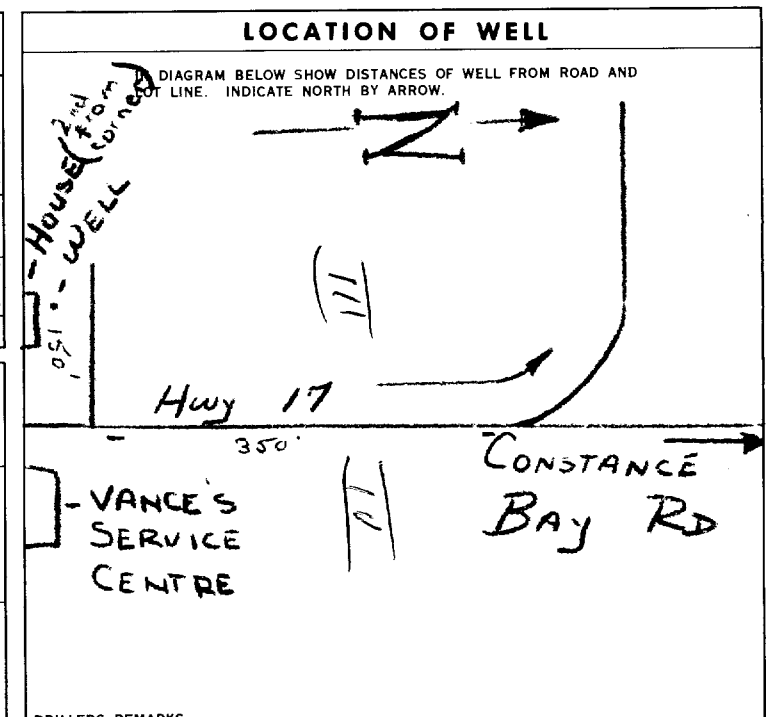
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	
	FEET	FEET

#### 61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE
FROM TO	(CEMENT GROUT, LEAD PACKER, ETC.)
10-13 14-17	
18-21 22-25	
26-29 30-33	

#### 71 PUMPING TEST

PUMPING TEST METHOD <input checked="" type="checkbox"/> PUMP <input type="checkbox"/> BAILER	PUMPING RATE <b>0004</b> GPM.	DURATION OF PUMPING <b>03</b> HOURS <b>00</b> MINS.
STATIC LEVEL <b>015</b> FEET	WATER LEVEL END OF PUMPING <b>024</b> FEET	WATER LEVELS DURING PUMPING
15 MINUTES <b>024</b> FEET	30 MINUTES <b>024</b> FEET	45 MINUTES <b>024</b> FEET
60 MINUTES <b>024</b> FEET	WATER AT END OF TEST <input checked="" type="checkbox"/> CLEAR <input type="checkbox"/> CLOUDY	
RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING <b>041</b> FEET	RECOMMENDED PUMPING RATE <b>0004</b> GPM.



#### FINAL STATUS OF WELL

<input checked="" type="checkbox"/> WATER SUPPLY	<input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY
<input type="checkbox"/> OBSERVATION WELL	<input type="checkbox"/> ABANDONED, POOR QUALITY
<input type="checkbox"/> TEST HOLE	<input type="checkbox"/> UNFINISHED
<input type="checkbox"/> RECHARGE WELL	

#### WATER USE

<input checked="" type="checkbox"/> DOMESTIC	<input type="checkbox"/> COMMERCIAL
<input type="checkbox"/> STOCK	<input type="checkbox"/> MUNICIPAL
<input type="checkbox"/> IRRIGATION	<input type="checkbox"/> PUBLIC SUPPLY
<input type="checkbox"/> INDUSTRIAL	<input type="checkbox"/> COOLING OR AIR CONDITIONING
<input type="checkbox"/> OTHER	<input type="checkbox"/> NOT USED

#### METHOD OF DRILLING

<input type="checkbox"/> CABLE TOOL	<input type="checkbox"/> BORING
<input type="checkbox"/> ROTARY (CONVENTIONAL)	<input checked="" type="checkbox"/> DIAMOND
<input type="checkbox"/> ROTARY (REVERSE)	<input type="checkbox"/> JETTING
<input type="checkbox"/> ROTARY (AIR)	<input type="checkbox"/> DRIVING
<input type="checkbox"/> AIR PERCUSSION	

NAME OF WELL CONTRACTOR <b>W.A. DEEVEY</b>	LICENCE NUMBER <b>1703</b>
ADDRESS <b>2898 HAUGHTON ST.</b>	
NAME OF DRILLER OR BORER <b>W.A. DEEVEY</b>	LICENCE NUMBER <b>1703</b>
SIGNATURE OF CONTRACTOR <b>W.A. Deevy</b>	SUBMISSION DATE <b>21 MO. 08 YR. 70</b>

#### OFFICE USE ONLY

DATA SOURCE <b>1</b>	CONTRACTOR <b>1703</b>	DATE RECEIVED <b>270171</b>
DATE OF INSPECTION	INSPECTOR	
REMARKS: <b>P Kim</b> <b>W Kim</b>		

UTM 118 4250100 E  
5 R 50250100 N



31G5e

GROUND WATER BRANCH  
 15 No. 347  
 JUN 1 1962  
 ONTARIO WATER RESOURCES COMMISSION

Elev. 5 R 02910  
 Basin 25 | Carleton Township, Village, Town or City March  
 County or District  
 Con. 4 Lot 16 Date completed 21 Mar 62  
 (day month year)  
 Address Bunrobin

# WATER WELL RECORD

## Casing and Screen Record

Inside diameter of casing 4"  
 Total length of casing 14'  
 Type of screen \_\_\_\_\_  
 Length of screen \_\_\_\_\_  
 Depth to top of screen \_\_\_\_\_  
 Diameter of finished hole 4"

## Pumping Test

Static level 12  
 Test-pumping rate 5 G.P.M.  
 Pumping level 14'  
 Duration of test pumping 1 hr.  
 Water clear or cloudy at end of test clearing  
 Recommended pumping rate 4 G.P.M.  
 with pump setting of 35 feet below ground surface

## Well Log

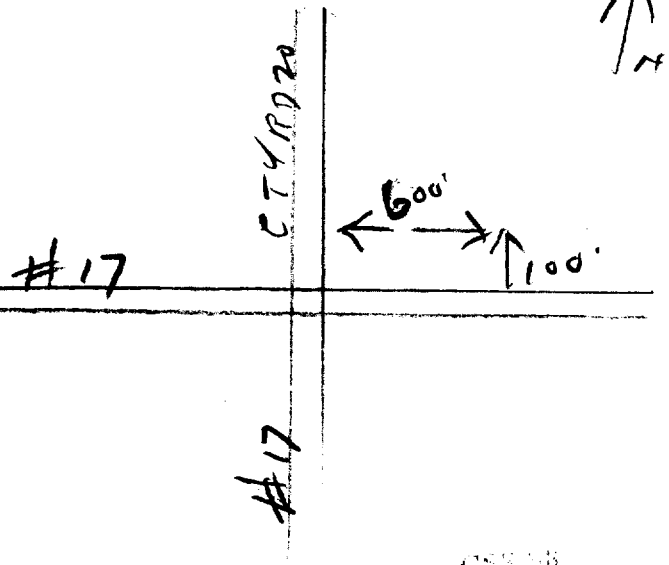
## Water Record

Overburden and Bedrock Record	From ft	To ft	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>clay</u>	<u>0</u>	<u>8</u>		
<u>sandstone</u>	<u>8</u>	<u>63</u>	<u>55</u>	<u>fresh</u>

For what purpose(s) is the water to be used? house  
 Is well on upland, in valley, or on hillside? upland  
 Drilling or Boring Firm Ben Sparks  
 Address \_\_\_\_\_  
 Licence Number 900  
 Name of Driller or Borer Ben Sparks  
 Address 413 Edgeworth  
 Date May 28/62  
 (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.



UTM 18 424900 E

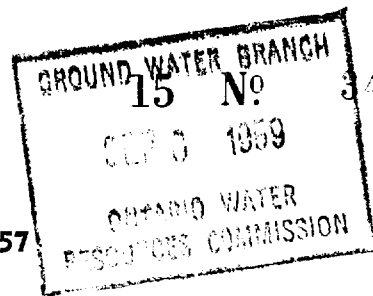
5R 5024900 N

Elev. 4R 0300

Basin 25



3125e



The Ontario Water Resources Commission Act, 1957

# WATER WELL RECORD

County or District CARLETON Township, Village, Town or City MARSH

Well completed 26 MAY 59  
(day month year)  
Address 435 PRESTON ST

### Casing and Screen Record

Inside diameter of casing 4"  
Total length of casing 10'  
Type of screen -  
Length of screen -  
Depth to top of screen -  
Diameter of finished hole 4"

### Pumping Test

Static level 9  
Test-pumping rate 5 G.P.M.  
Pumping level 9  
Duration of test pumping 1 HR  
Water clear or cloudy at end of test CLEAR  
Recommended pumping rate 5 G.P.M.  
with pumping level of 9

### Well Log

### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
<u>CLAY LOAM</u>	<u>0</u>	<u>1</u>			
<u>LIMESTONE</u>	<u>1</u>	<u>70</u>	<u>70</u>	<u>61</u>	<u>FRESH</u>

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

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

Drilling Firm M. MEAGHER

Address OTTAWA

Licence Number 249

Name of Driller SAME

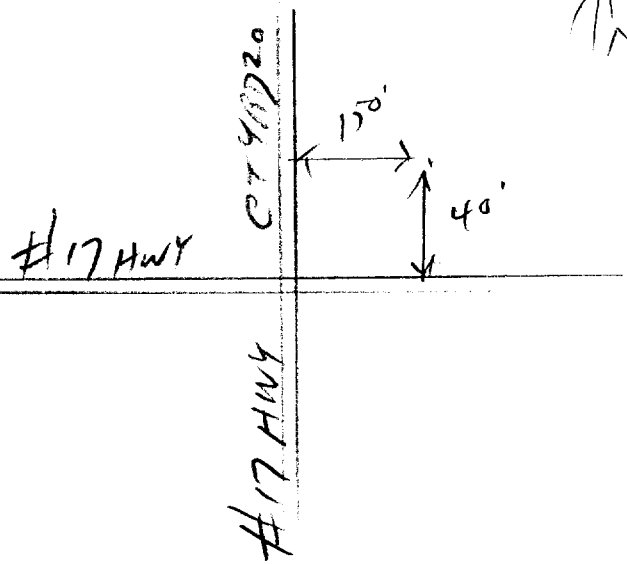
Address

Date 06/31/59

*M. Meagher*  
(Signature of Licensed Drilling Contractor)

### Location of Well

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





UTM 18 424900<sup>E</sup>  
5 5024960<sup>N</sup>  
 Elev. 4 0300  
 Basin 25      



3155e

GROUND WATER MONITORING  
 MAR 16 1959  
 ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act, 1957

# WATER WELL RECORD

County or District CARLETON Township, Village, Town or City MARATHA  
 Date completed 1 MAR 59  
 (day month year)  
 Address DUNROBIN

## Casing and Screen Record

Inside diameter of casing 4"  
 Total length of casing 16'  
 Type of screen NO  
 Length of screen -  
 Depth to top of screen -  
 Diameter of finished hole 4"

## Pumping Test

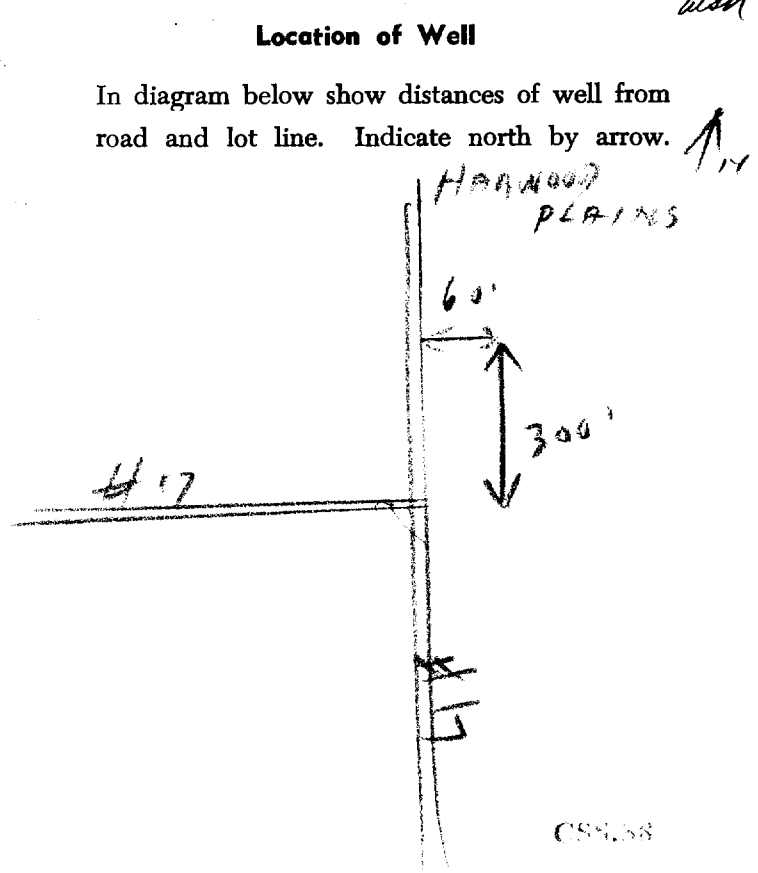
Static level 18  
 Test-pumping rate 5 G.P.M.  
 Pumping level 15  
 Duration of test pumping 1 HR  
 Water clear or cloudy at end of test CLEAR  
 Recommended pumping rate 3 G.P.M.  
 with pumping level of 18

## Well Log

## Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
<u>SANDSTONE</u>	<u>0</u>	<u>56</u>	<u>56</u>	<u>38</u>	<u>FRESH</u>

For what purpose(s) is the water to be used?  
HOUSE  
 Is well on upland, in valley, or on hillside?  
 upland  
 Drilling Firm 19 MAERGER  
 Address 639 BOWMAN ROAD  
OTTAWA  
 Licence Number    
 Name of Driller SAIPE  
 Address    
 Date MAR 3/59  
 (Signature of Licensed Drilling Contractor)



UTM 18 425 040 E

5R 5024960 N

Elev. 4R 0300

Basin 25



3165e

15 No 3128  
GROUND WATER BRANCH  
MAY 20 1958  
ONTARIO WATER  
RESOURCES COMMISSION

The Water-well Drillers Act, 1954  
Department of Mines

# Water-Well Record

County or Territorial District... CARLETON Township, Village, Town or City... MARCH  
in Village, Town or City).....  
Address .....

(day) (month) (year)

## Pipe and Casing Record

## Pumping Test

Casing diameter(s) ..... 5 INCH  
Length(s) ..... 14 FEET  
Type of screen ..... M.O.H.E.  
Length of screen .....

Static level ..... 14 FEET  
Pumping rate ..... 350 G.P.H.  
Pumping level ..... 35'  
Duration of test ..... 1 HOUR

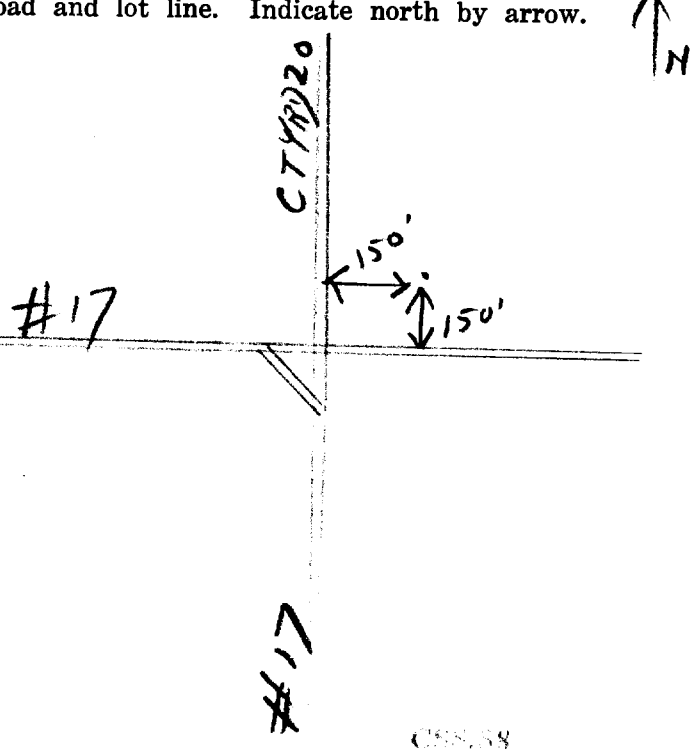
## Well Log

## Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
SILT	0	2	50	50	FRESH
SANDSTONE	2	100	100	86	"

For what purpose(s) is the water to be used? ..... HOUSE  
Is water clear or cloudy? ..... CLEAR  
Is well on upland, in valley, or on hillside? .....  
..... V. PLANA  
Drilling firm ..... M. P. H. S. & SONS  
Address .....  
Name of Driller ..... J. W. ADAMS  
Address .....  
Licence Number.....

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



I certify that the foregoing statements of fact are true

Date March 2/58 - J. W. Adams  
Signature of Licensee



31G Se

UTM 18

APL 425040  
5024900

The Ontario Water Resources Commission Act

GROUND WATER BRANCH  
SEP 13 1962  
ONTARIO WATER RESOURCES COMMISSION

Elev. 4 02910

# WATER WELL RECORD

Basin 25

CARLETON

Township, Village, Hamlet or City

Con. 1V Lot 15 Date completed 10 August 1962 (day month year)

Own [Redacted] Dunrobin RR# 1

### Casing and Screen Record

Inside diameter of casing 5"  
Total length of casing 9'  
Type of screen nil  
Length of screen nil  
Depth to top of screen nil  
Diameter of finished hole 5"

### Pumping Test

Static level 12'  
Test-pumping rate 30 G.P.M.  
Pumping level 15'  
Duration of test pumping 1 Hour  
Water clear or cloudy at end of test clear  
Recommended pumping rate 30 G.P.M.  
with pump setting of 20' 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)
OVERBURDEN	0'	1'		
HARD GREY LIMESTONE	1'	160'	90'	fresh

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

New School

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

Drilling or Boring Firm

BLAIR PHILLIPS DRILLING CO. LTD.

Address 1119 Balaise Road, Ottawa 5, Ontario

Licence Number 474

Name of Driller or Borer M. Sztapa

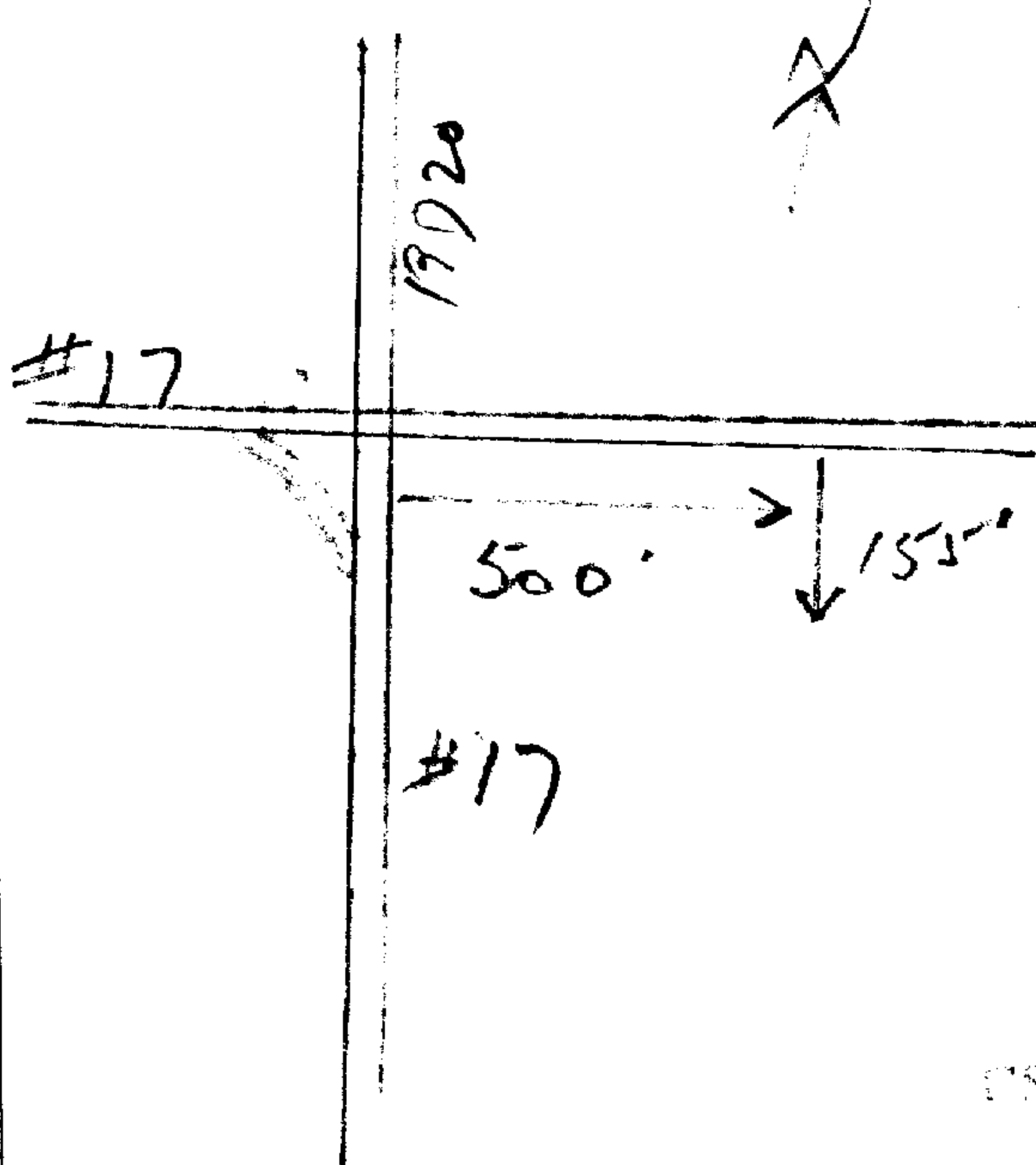
Address 90 Grove Ave. Ottawa

Date 22 August 1962

(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.



28

716



3165d

GROUND WATER BRANCH  
 15 No. 8418  
 JUN 1 1962  
 ONTARIO WATER RESOURCES COMMISSION

C

UTM 18 425 1130 E

5 R 5024660 N

Elev. 4 R 0300

# WATER WELL RECORD

Basin 25 Carleton

Township, Village, Town or City March

Con. 4 Lot 15

Date completed 21 May 62 (day month year)

Address South March

### Casing and Screen Record

Inside diameter of casing 4  
 Total length of casing 12  
 Type of screen  
 Length of screen  
 Depth to top of screen  
 Diameter of finished hole 4"

### Pumping Test

Static level 8  
 Test-pumping rate 6 G.P.M.  
 Pumping level 12  
 Duration of test pumping 1 hr.  
 Water clear or cloudy at end of test clear  
 Recommended pumping rate 5 G.P.M.  
 with pump setting of 35 feet below ground surface

### Well Log

### Water Record

Overburden and Bedrock Record	From ft	To	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Clay loam	0	2		
sandstone	2	40	38	fresh

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

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

Drilling or Boring Firm Ben Edwards

Address

Licence Number 700

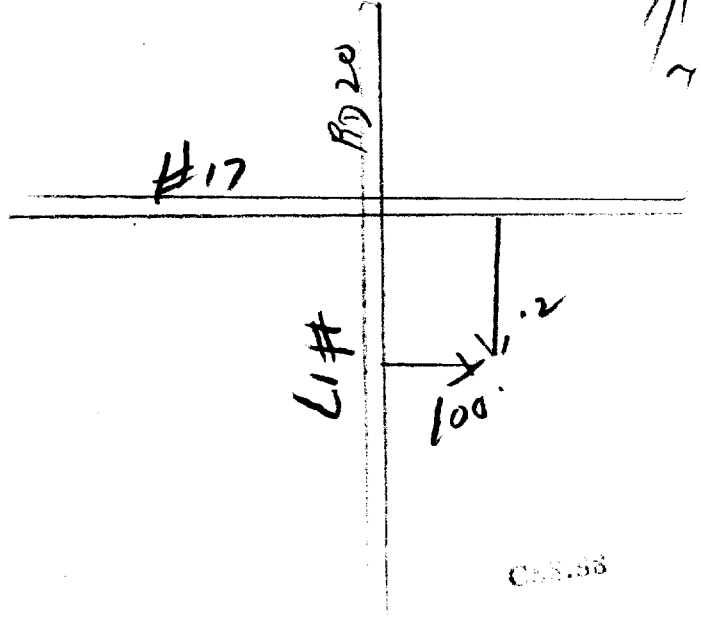
Name of Driller or Borer Ben Edwards

Address 413 Edgeworth

Date May 28/62 (Signature of Licensed Logging or Boring Contractor)

### Location of Well

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



UTM <sup>392</sup> 18Z 425000E  
 5R 5024730N  
 Elev. 4 0300  
 Basin 25



31G5d

GROUND WATER NO. 15  
 DEC 6 1960  
 ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act, 1957

# WATER WELL RECORD

County or District Carleton Township, Village, Town or City March  
 Con 3 Lot PT-15 Date completed 17 Sept 60  
 (day month year)  
 Address South March

### Casing and Screen Record

### Pumping Test

Inside diameter of casing 2  
 Total length of casing 17  
 Type of screen -  
 Length of screen -  
 Depth to top of screen -  
 Diameter of finished hole 2

Static level 7  
 Test-pumping rate 12 G.P.M.  
 Pumping level 30  
 Duration of test pumping 5 hr  
 Water clear or cloudy at end of test clear  
 Recommended pumping rate 5 G.P.M.  
 with ~~pumping~~ <sup>set</sup> level of 30

### Well Log

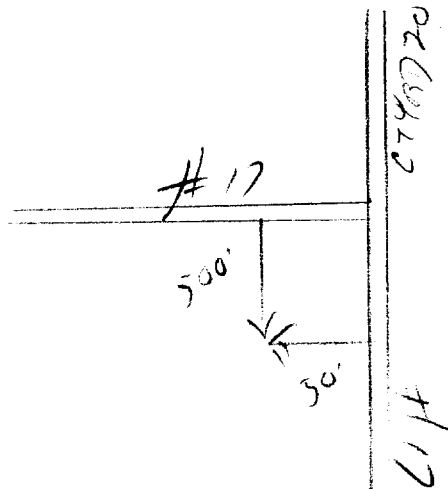
### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
<u>Clay</u>	<u>0</u>	<u>1</u>			
<u>Sand stone</u>	<u>1</u>	<u>60</u>	<u>60</u>	<u>51</u>	<u>Fresh</u>

For what purpose(s) is the water to be used?  
Blue Box NEW house  
 Is well on upland, in valley, or on hillside?  
 Drilling Firm F. R. Conette  
 Address Ottawa  
 Licence Number H57  
 Name of Driller same  
 Address same  
 Date Nov 28 - 60  
F. R. Conette  
 (Signature of Licensed Drilling Contractor)

### Location of Well

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



UTM 18 4 25 0 8 10 E

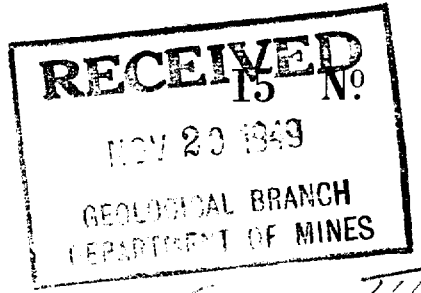
9 5 0 2 4 4 7 5 N

Elev. 9 0 3 0 1 0

Basin 2 5



3165d



X 4

The Well Drillers Act  
Department of Mines, Province of Ontario

conc - III  
Lot - 15

# Water Well Record

Date Completed: 3 Sept 49  
Cost of Well (not including pump): 175.50  
Comp: 3 Lot: 15 R. Lot: 15  
Acres: 1.7550  
Highway 17

## Pipe and Casing Record

## Pumping Test

Casing diameter(s) . . . . . 5"	Date . . . . .
Length(s) of casing(s) . . . . . 1 x 8'	Developed Capacity . . . . .
Length of screen . . . . . Nil	Duration of Test . . . . .
Type of screen . . . . .	Pumping Rate . . . . .
Type of pump . . . . .	Drawdown . . . . .
Capacity of pump . . . . .	Static level of completed well . . . . . 17 feet
Depth of pump setting . . . . .	Is well a gravel-wall type? . . . . . No

## Water Record

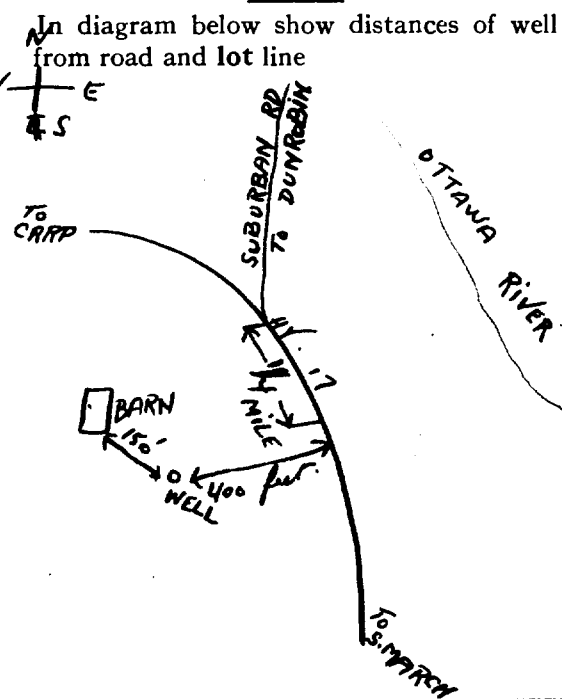
Kind (fresh or mineral)	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
Fresh	52		35
Quality (hard, soft, contains iron, sulphur etc.)			
Hard			
Appearance (clear, cloudy, coloured)			
Clear			
For what purpose(s) is the water to be used?			
Watering Cattle			
How far is well from possible source of contamination?			
100'			
What is source of contamination?			
Stable			
Enclose a copy of any mineral analysis that has been made of water			

## Well Log

### Drift and Bedrock Record

	From	To
	0 ft.	ft.
Sandstone	1	54

## Location of Well



Situation: Is well on upland, in valley or on hillside? . . . . . Upland

Drilling Firm . . . . . Blair Phillip

Address . . . . . 614 Gilmore St Ottawa

Recorded by . . . . . Blair Phillip . . . . . Address 614 Gilmore St

Date . . . . . 3 Sept 49 . . . . . Licence Number . . . . . 407



## **APPENDIX I**

### Site Photographs

Photograph Plate I1: Western portion of the subject property.





Photograph Plate I2: Anticipated fill material on the subject property.







Photograph Plate I3: Septic Tank location (with vent pipes)



Photograph Plate I4: Debris closer to the septic tank



Photograph Plate I5: Outhouse



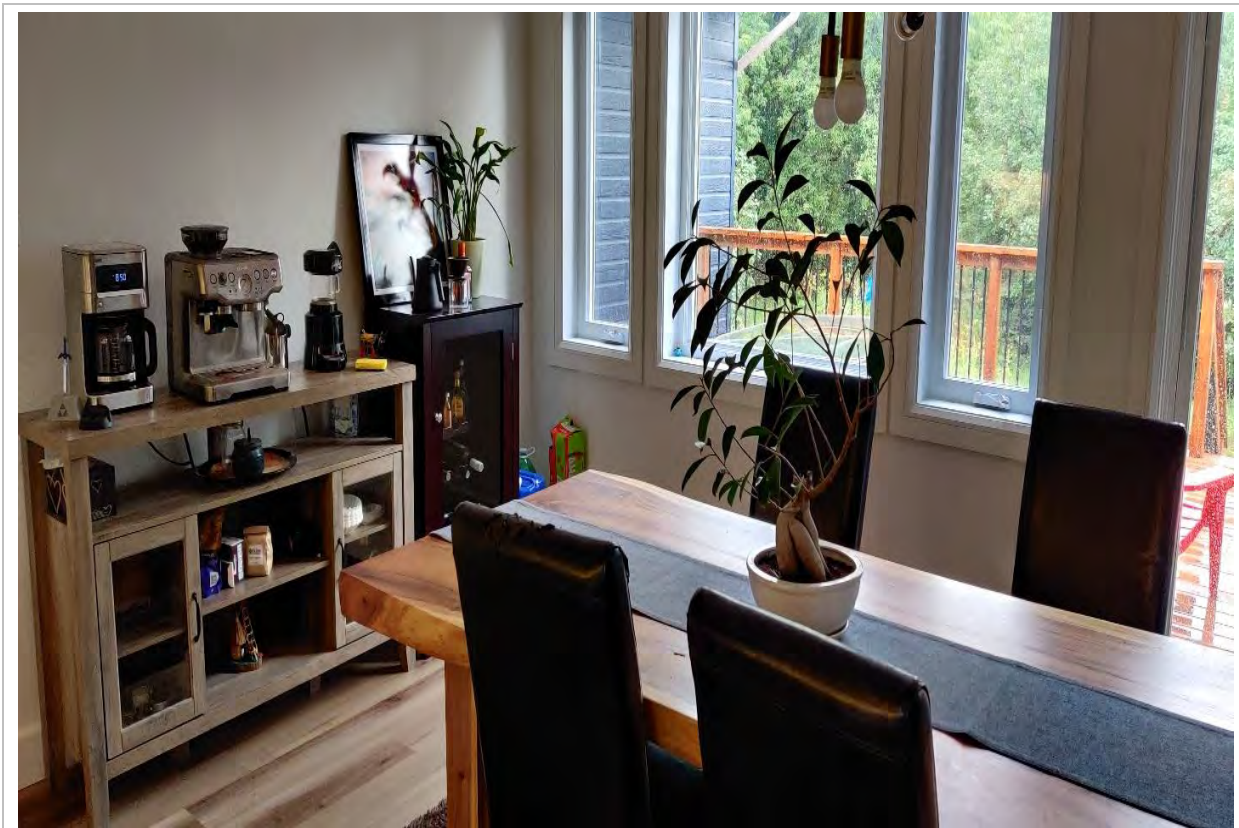
Photograph Plate I6: Eastern portion of the subject property including the driveway



Photograph Plate 17: Inside view of the building









Photograph I8: Inside view of the basement



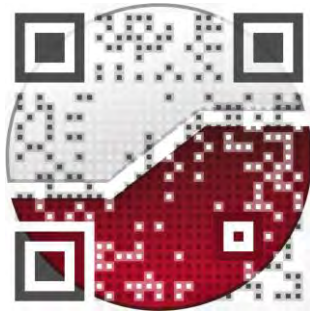




Photograph Plate I9: Water well on the subject property



experience • knowledge • integrity



civil  
geotechnical  
environmental  
field services  
materials testing

civil  
géotechnique  
environnementale  
surveillance de chantier  
service de laboratoire des matériaux

expérience • connaissance • intégrité

