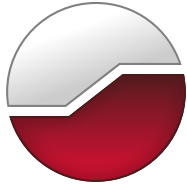




# GEMTEC

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**Phase One Environmental Site Assessment  
Zoning By-Law Amendment Application  
6158 Rideau Valley Drive  
Ottawa, Ontario**



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Submitted to:

Millers Farm  
6158 Rideau Valley Drive North  
Manotick, Ontario  
K4M 1B3

**Phase One Environmental Site Assessment  
Zoning By-Law Amendment Application  
6158 Rideau Valley Drive  
Ottawa, Ontario**

September 4, 2024  
Project: 100011.082

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

September 4, 2024

File: 100011.082

Millers Farm  
6158 Rideau Valley Drive North  
Manotick, Ontario  
K4M 1B3

Attention: Jaime Mallory, Planner I, Development Review – Rural Services

**Re: Phase One Environmental Site Assessment  
Zoning By-Law Amendment Application  
6158 Rideau Valley Drive  
Ottawa, Ontario**

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Enclosed is our Phase One Environmental Site Assessment (ESA) report for the above noted property. The report presented herein is based on the scope of work discussed in the proposal dated October 6, 2023. This report was prepared by Mohit Bhargav, M.Sc.E, EIT, and reviewed by Nicole Soucy, M.A.Sc., P.Eng, QP<sub>ESA</sub>.



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Environmental Engineer

## EXECUTIVE SUMMARY

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by the Owners of 6158 Rideau Valley Drive to carry out a Phase One Environmental Site Assessment (ESA) in accordance with Ontario Regulation (O.Reg) 153/04, as amended, for portion of the property located at 6158 Rideau Valley Drive in Ottawa, Ontario. It is understood that this Phase One ESA is required to support a zoning by-law amendment application with the City of Ottawa.

The proposed area (herein referred to as the 'Site'), to be the part of a minor zoning by-law amendment application, fronts along Rideau Valley Drive up to a municipal drain (McIntyre Scobie Drain).

The primary objective of this Phase One ESA was to identify any current and/or former potentially contaminating activities at the Site, as well as within the vicinity of the Site, to develop a preliminary determination of the likelihood of contamination in soil or groundwater which would result in the requirement of a Phase Two ESA. The general objectives were met through the evaluation of the information gathered from the records review, an interview, and a Site reconnaissance.

Three Areas of Potential Environmental Concern (APECs) were identified at the Site based on the Phase One ESA findings and are summarized below:

### **APEC 1 – Presence of Oil Water Separator and general maintenance of farm equipment at Structure 7.**

Through the review of the information (Site reconnaissance and interview), an oil water separator was identified along the western building line of the Building Workshop (Structure 7). This APEC is limited to the western building line of Building Workshop (Structure 7). The COPCs are Petroleum Hydrocarbons F1-F4 (PHC F1-F4), Volatile Organic Compounds (VOCs), and Polycyclic Aromatic Hydrocarbons (PAHs) in soil and groundwater.

### **APEC 2 – Presence of Aboveground Storage Tanks**

Through the review of information (aerial photographs and Site reconnaissance), the Site has three Aboveground Storage Tanks (ASTs). No evidence of staining, spills or odours were noted at the time of the Site reconnaissance. This APEC is limited to the western building line of Storage Shed (Structure 3). The COPCs are PHC F1-F4, PAHs, and Benzene, Toluene, Ethylbenzene and Xylene (BTEX) in soil and groundwater.

### **APEC 3 – Bulk Salt Storage**

Through the review of information (Site reconnaissance), Storage Shed (Structure 9) is used for bulk storage of salt. This APEC is limited to the footprint of Storage Shed (Structure 9). The

COPCs are Electrical Conductivity (EC) and Sodium Adsorption Ratio (SAR) in soil and sodium and chloride groundwater.

Based on the identification of three APECs on the Site, it is recommended that a subsurface investigation be carried out to adequately characterize soil and groundwater conditions in support of the proposed works in accordance with O.Reg 153/04, as amended.

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## 1.0 INTRODUCTION

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by the Owners of 6158 Rideau Valley Drive to carry out a Phase One Environmental Site Assessment (ESA) in accordance with Ontario Regulation (O.Reg) 153/04, as amended, for portion of the property located at 6158 Rideau Valley Drive in Ottawa, Ontario. It is understood that this Phase One ESA is required to support a minor zoning by-law amendment application with the City of Ottawa.

The proposed area (herein referred to as the 'Site') to be the part of a minor zoning by-law amendment application fronts along Rideau Valley Drive up to a municipal drain (McIntyre Scobie Drain). The Site is not considered an enhanced investigation property as defined under O.Reg 153/04, as amended. The Site and surrounding lands within a 250 metre (m) radius, the 'Phase One Study Area', are provided on Figure A.1, Appendix A.

Table 1.1 details the current land use of the Site, the adjacent properties, and other publicly accessible areas.

**Table 1.1: Current Site and Adjacent Property Land Uses**

| Property Location | Civic Address   | Property Land Use           | Property Details   |
|-------------------|---|-----------------------------|--|
| Site              | 6158 Rideau Valley Drive  | Agriculture<br>Commercial   | <p>The Site covers an approximate area of 44,400 square metres (m<sup>2</sup>). The Site currently has nine structures which are owned and operated by 'Millers Farm and Market'.</p> <p>The Site is serviced by a septic tank, overhead hydro, a water well and natural gas for heating.</p> <p>The ground cover was primarily grass with a gravel graded roadways/driveways.</p> |
| North             | 6080, 6120, 6138 Rideau Valley Drive  | Agricultural<br>Residential | The Site is bound to the north by an agricultural land parcel followed by residential dwellings.   |
| East              | Rideau Valley Drive<br>6139, 6145, 6157 Rideau Valley Drive<br>Rideau River | Community<br>Residential    | The Site is bound to the east by a community use roadway i.e., Rideau Valley Drive beyond which lies several residential land parcels followed by the Rideau River.  |
| South             | 6168, 6206 Rideau Valley Drive  | Residential<br>Agricultural | The Site is bound to the south by a residential lot and an agricultural land parcel.   |

| Property Location | Civic Address  | Property Land Use          | Property Details  |
|-------------------|--|----------------------------|---|
| West              | McIntyre Scobie Drain<br>Remaining portion of 6158 Rideau Valley Drive<br>6151 First Line Road | Agricultural<br>Industrial | The Site is bound to the west by McIntyre Scobie Drain followed by the remaining portion of 6158 Rideau Valley Drive (used for agriculture) followed by an aggregate pit located at 6151 First Line Road. |

The Phase One ESA was conducted by GEMTEC staff members whose qualifications are provided in Appendix B.

The Site features (including structures) are shown in Figure A.2, Appendix A. The nine structures present at the Site include:

- Structure 1 – Two Storey Barn;
- Structure 2 – Residential Building;
- Structure 3, Structure 4, and Structure 5 – Storage Shed (Material Storage);
- Structure 6 – Sales Shop (Millers Farm Market and Garden Centre);
- Structure 7 – Building Workshop;
- Structure 8 – Greenhouses; and,
- Structure 9 – Storage Shed (Salt Storage).

Note: The Residential Building is used as an office space to manage home based business.

### 1.1 Site Information

The Site covers an approximate area of approximately 44,400 m<sup>2</sup> and is occupied by nine structures owned and operated by ‘Millers Farm and Market’. The details for the Site are summarized in Table 1.2. A copy of the title search for the Site is provided in Appendix C.

**Table 1.2: Legal Description and Site Information**

| Site Information               |   |
|--------------------------------|---|
| Legal Description <sup>1</sup> | PART OF LOT 13, CONCESSION BF, AKA CON ABF, BEING PARTS 2 AND 4 ON 5R6592, EXCEPT PART 1 ON 4R18840, OTTAWA. S/T NS171551 |
| PIN                            | 03909-0149 (LT)   |
| Site Owner                     | Ronald Miller and Suzzanne Miller   |
| Site Contact                   | Mr. David Beveridge   |

**Note:**

1. The legal description provided for the Site also includes the legal description for 6158 Rideau Valley Drive, a much larger land parcel.

## **2.0 SCOPE OF THE INVESTIGATION**

### **2.1 General Objectives**

The Phase One ESA was conducted in accordance with O.Reg 153/04, as amended. The objectives of the Phase One ESA were:

- To develop a preliminary determination of the likelihood of contamination in soil or groundwater by identifying and documenting current and historical environmental conditions and operations or practices at the Site; and,
- To determine if such operations or practices result in any Areas of Potential Environmental Concern (APECs) on the Site.

The general objectives were met through the evaluation of the information gathered from the records review and available documents, 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.

*GEMTEC understands that the Site will not be changing to a more sensitive land use. Therefore, the filing of a Record of Site Condition (RSC), as regulated by O.Reg 153/04 under the Environmental Protection Act, is not required.*

### **2.2 Records Review**

The records review included obtaining and reviewing records that relate to the Site and the Phase One Study Area to identify current and past land uses and activities that may have impacted the soil and groundwater quality at the Site. The following available records were reviewed as part of the investigation:

- Bedrock and Overburden Geology Maps – Overburden and bedrock geology maps, provided by Natural Resources Canada, were reviewed to identify the underlying soil deposits and bedrock types;
- Chain of Title – A chain of title abstract for the Site was obtained through Environmental Risk Information Services (ERIS). A copy of the title abstract is provided in Appendix C;
- Fire Insurance Maps and Insurance Reports – A copy of the Fire Insurance Maps and Insurance Reports is provided in Appendix D;
- ERIS Report – The ERIS report searches 73 public and private information databases to identify potential environmental concerns. An ERIS report was obtained for the Site and Phase One Study Area. A copy of the ERIS Report is provided in Appendix E;

- City Directories – A City Directory Report was requested from ERIS for the Site and surrounding properties within the Phase One Study Area. A copy of the City Directory Report is provided in Appendix F;
- A records search was requested from the Technical Standards and Safety Authority (TSSA) for the Site (6158 Rideau Valley Drive) and the following adjacent properties located at 6206, 6168, 6080, 6104, 6110, 6120 Rideau Valley Drive; and 6151 and 6211 First Line Road. The TSSA search results are provided in Appendix G;
- Freedom of Information (FOI) - A FOI request for records on the Site was sent to the Ministry of the Environment, Conservation and Parks (MECP) in January 2024. FOI responses consist of information obtained from documents and records from the Ottawa District Office, Environmental Assessment and Permissions Division (EAPD), Environmental Monitoring and Reporting Branch (EMRB), Environmental Investigations and Enforcement Branch (EIEB) and Safe Drinking Water Branch (SDW). The response is provided in Appendix H;
- Historic Land Use Inventory (HLUI) – A HLUI request for records on the Site was sent to the City of Ottawa in January 2024. The response is provided in Appendix I;
- GeoOttawa®, and National Air Photo Library (NAPL) Aerial Photographs – Aerial photographs from the years 1946, 1959, 1964, 1976, 1985, 1991, 1999, 2002, 2005, 2008, 2011, 2017, 20211 and 2023 were available for review. They were reviewed for the Site and Phase One Study Area to identify APECs resulting from historical land uses. The aerial photographs can be found in Appendix J;
- Well Records - The MECP Well Records for the Site and the Phase One Study Area were reviewed and are provided in Appendix K;
- 'Map of Federal Contaminated Sites Inventory' prepared by Treasury Board of Canada Secretariat was reviewed;
- 'Ontario Inventory of PCB Storage Sites' prepared by Ontario Ministry of the Environment (Waste Management Branch) dated January 1992 was reviewed;
- 'Old Landfill Management Strategy – Phase 1 – Identification of Sites, City of Ottawa, Ontario' prepared by Golder Associates Ltd. dated October 2004 was reviewed; and,
- 'Small Landfill Sites List' and 'Large Landfill Sites List' prepared by the Ontario MECP were 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 APECs at the Site. Mr. Dave Beveridge, Site contact, and Mr. Simon Miller, Site owner, were interviewed in person on March 20, 2024.

### 2.4 Site Reconnaissance

The Site was visually assessed 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 Site that may affect the fate, transport, and distribution of contaminants. Adjacent and neighbouring properties within the Phase One Study Area were assessed from publicly accessible boundaries to evaluate the potential for environmental impacts to the Site.

### **3.0 RECORDS REVIEW**

#### **3.1 General**

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

The Site is located at the land parcel of 6158 Rideau Valley Drive in Ottawa, Ontario and has an approximate area of 44,400 m<sup>2</sup>. The Site fronts along Rideau Valley Drive up to McIntyre Scobie Drain (a municipal drain).

Based on the available aerial photographs, the Site was first developed sometime circa 1946 considering two structures were present in the southern portion of the Site (current location of Two Storey Barn (Structure 1) and Residential Building (Structure 2)) and the land use at the Site was agricultural. Historical land use in the Phase One Study Area was predominately agricultural and rural residential with community right of ways (i.e., roadways).

Based on this information, a Phase One Study Area of 250 m surrounding the Site is deemed sufficient for the purpose of this Phase One ESA. The location of the Site and the extent of the Phase One Study area, are provided on Figure A.1, Appendix A.

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

Based on the earliest available aerial photographs (1946), the Site was developed sometime circa 1946 considering two structures were present in the southern portion of the Site (current location of Two Storey Barn (Structure 1) and Residential Building (Structure 2)). Based on the above, the first developed use of the Site is considered to be 1946.

##### **3.1.3 Chain of Title**

A copy of the chain of title is available in Appendix C. The legal description for the Site is:

- PART OF LOT 13, CONCESSION BF, AKA CON ABF, BEING PARTS 2 AND 4 ON 5R6592, EXCEPT PART 1 ON 4R18840, OTTAWA. S/T NS171551.

The PIN for the Site is:

- 03909-0149 (LT)

*The legal description provided for the Site also includes the legal description for 6158 Rideau Valley Drive, a much larger land parcel.*

### 3.1.4 Fire Insurance Plans and Reports

A search of Fire Insurance Plans and insurance reports was completed for the Site. No FIPs or insurance reports were available for the Site. A copy of the response from Opta Information Intelligence is available in Appendix D.

### 3.1.5 Historical Reports

No environmental reports were available to GEMTEC for review.

## 3.2 Environmental Source and Regulatory Information

### 3.2.1 ERIS Database Report

GEMTEC contacted ERIS to conduct a search of 73 public and private information databases for the Site and the Phase One Study Area. The complete ERIS report, including a list of databases searched, is provided in Appendix E. All listings were reviewed, and the highlights are provided in Table 3.1.

**Table 3.1: Summary of ERIS report**

| Address                  | Distance from the Site | Database | Company/Name - Description   |
|--------------------------|------------------------|----------|--|
| 6158 Rideau Valley Drive | On Site                | EASR     | Millers Trucking and Excavation Limited<br>MECP Approval Number: R-004-4112754100 dated December 2020.<br>EASR record allows the collection, handling, transportation and transfer of waste by 10 waste transportation trucks. No on-truck processing of waste is conducted. The categories of waste listed in the EASR record include non-hazardous solid industrial waste and contaminated soil. |

**Note:**

EASR – Environmental Activity and Sector Registry

*The Site is used as an office and a mailing address for the business (as per EASR record) and no contaminated soil and/or non-hazardous soil industrial waste is brought to the Site based on the discussion with the Site contact and Site Owner (part of interview and discussed on Section 5.0). Based on the review of available information, GEMTEC is of the opinion that this EASR record is not applicable to the Site and is unlikely to create any impacts at the Site.*

The unplotable report summary (included as part of the ERIS report) was reviewed to determine if any of the records were located at the Site or within the Phase One Study Area. Many of the entries were only located by company name with no defined civic address. As such, there were many uncertainties related to the entries describing these activities, and in most cases, these could not be confirmed as being present within the Phase One Study Area.

### **3.2.2 City Directory**

A review of the city directories, from 1997 to 2021, was completed for the Site and several adjacent properties located on Rideau Valley Drive, Rideau Narrows Drive and First Line Road. A copy of the City Directory records is provided in Appendix F. All records were reviewed, and no environmentally significant records were identified within the Phase One Study Area.

### **3.2.3 Technical Safety and Standards Association**

The Technical Standards and Safety Authority (TSSA) was contacted on December 14, 2023. The record search response revealed that there were no records of tanks present on the Site and adjacent properties located within the Phase One Study Area. The TSSA search results are provided in Appendix G.

It should be noted that the Fuels Safety Division of the TSSA did not register private fuel underground storage tanks (USTs) or aboveground storage tanks (ASTs) prior to January 1990 or furnace oil tanks prior to May 1, 2002.

### **3.2.4 Freedom of Information (FOI)**

A FOI request for Site records was sent to the MECP on January 8, 2024. The FOI response from MECP indicates that no records were identified for the Site and a copy of the request is provided in Appendix H.

### **3.2.5 Historic Land Use Inventory**

A HLUI request for Site records was sent to the City of Ottawa on January 8, 2024. The HLUI response from the City of Ottawa indicates that no records were identified for the Site and a copy of the request is provided in Appendix I.

### **3.2.6 Mapping of Federally Contaminated Sites**

A Government of Canada, Treasury Board of Canada Secretariat, interactive map illustrating the database of over 4,000 federally contaminated sites was reviewed. No federally owned contaminated sites were identified within the Phase One Study Area.

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

The Waste Management Branch of the MECP published a report titled “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 located on the Site or within the Phase One Study Area.

### **3.2.8 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 Site or the Phase One Study Area.

The MECP published maps entitled ‘*Small Landfill Sites List*’ and ‘*Large Landfill Sites Map*’ published March 2014 – Updated October 2021. The publication includes information to identify old landfill sites for potential environmental considerations within the boundary of the province of Ontario. No landfills were identified at the Site or within the Phase One Study Area.

### 3.3 Physical Setting Sources

#### 3.3.1 Aerial Photographs

Select aerial photographs were examined as part of this Phase One ESA. The copies of the aerial photographs are provided in Appendix J.

Aerial photographs were obtained at regular intervals and were selected based on suitable scales for analysis and coverage area. The earliest aerial photograph obtained was from 1946. Observations made with respect to the selected aerial photographs are discussed in Table 3.2.

**Table 3.2: Summary of aerial photograph review**

| Date | Photograph Number | Observations  |
|------|-------------------|---|
| 1946 | NAPL              | Two structures were present in the southern portion of the Site (current location of Two Storey Barn (Structure 1) and Residential Building (Structure 2)) and the land use at the Site was primarily agricultural. Historical land use in the Phase One Study Area was predominately agricultural and rural residential with community right of ways (i.e., roadways). Rideau Valley Drive is located to the east of the Site.   |
| 1959 | NAPL              | Four structures can be seen in the southern portion of the Site. The two new structures (current location of Structure 3 and Structure 4 (both are Storage Shed used for material storage)) are located to the north of Two Storey Barn (Structure 1) and Residential Building (Structure 2). Land use at the Site remained the same.<br><br>The land parcel to the north (current civic address of 6080 Rideau Valley Drive) of the Site has been developed in what appears to be a residential dwelling.<br><br>The land parcel to the south (current civic address of 6168 Rideau Valley Drive) of the Site was developed as a residential dwelling. |
| 1964 | NAPL              | No significant changes to the Site and the Phase One Study Area compared to the aerial photograph from 1959.  |
| 1976 | GeoOttawa®        | Structure 5 (Storage Shed) located to the west of Structure 4 (Storage Shed) can be seen in the aerial photograph.<br><br>No significant changes to the Phase One Study Area compared to the aerial photograph from 1964.   |



| Date | Photograph Number | Observations  |
|------|-------------------|---|
| 1985 | NAPL              | No significant changes to the Site and the Phase One Study Area compared to the aerial photograph from 1976.  |
| 1991 | GeoOttawa®        | No significant changes to the Site and the Phase One Study Area compared to the aerial photograph from 1985.  |
| 1999 | GeoOttawa®        | Structure 6 (Sales Shop/Millers Farm Market and Garden Centre), centrally located, can now be seen at the Site. Structure 6 was constructed sometime between 1991 and 1999.<br>No other changes to the Site were noted and no significant changes to the Phase One Study Area compared to the aerial photograph from 1991.  |
| 2002 | GeoOttawa®        | A car parking area can be seen along the eastern property line of the Site.<br>No significant changes to the Site and the Phase One Study Area compared to the aerial photograph from 1991.   |
| 2005 | GeoOttawa®        | An AST appears to be present along the western building line (current location of the ASTs on the Site) of the Structure 3 (Storage Shed).<br>No significant changes to the Phase One Study Area compared to the aerial photograph from 2002.   |
| 2008 | GeoOttawa®        | A new structure (Structure 7 (Building Workshop)) can be seen along the western portion of the Site bringing the total number of structures to seven. Vehicles are parked around Structure 7.<br>No significant changes to the Phase One Study Area compared to the aerial photograph from 2005.  |
| 2011 | GeoOttawa®        | A greenhouse (Structure 8) was added to the Site. Landscaping operation (east and south of the Structure 8 (greenhouse)) was also started at the Site during that time and stockpile of materials can be seen in the central portion of the Site.<br>No significant changes to the Phase One Study Area compared to the aerial photograph from 2008.  |
| 2017 | GeoOttawa®        | Structure 9 (Salt Storage between Structure 3 and Structure 5) can be seen at the Site. Two ASTs can be seen along the western building line (current location of the ASTs on the Site) of the Structure 3 (Storage Shed).<br>Since the start of the landscaping operations, the cultivated area appears to be restricted to the north and the west of the Site. No significant changes to the Site and the Phase One Study Area compared to the aerial photograph from 2011. |
| 2021 | GeoOttawa®        | A western addition to Structure 7 (Building Workshop) can be seen under construction at the Site.<br>No significant changes to the Site and the Phase One Study Area compared to the aerial photograph from 2017.   |

| Date | Photograph Number  | Observations  |
|------|--------------------|---|
| 2023 | MAXAR Technologies | A second greenhouse was added to the Site.<br>No significant changes to the Phase One Study Area compared to the aerial photograph from 2021. |

**Notes:**

1. NAPL – National Air Photo Library
2. AST – Aboveground Storage Tank
3. Aerials from NAPL and Maxar Technologies were order though ERIS.
4. The Site features (including structures) are shown in Figure A.2, Appendix A.
5. Aerial photographs reviewed through GeoOttawa® as part of the investigation are not reproduced due to copyright limitations.

*Based on the review of the aerial photographs, the presence of three ASTs along the western building line of Structure 3 (Storage Shed) is a potential concern for the Site.*

### 3.3.2 Topography and Hydrogeology

The Site has a relatively flat topography and is at an elevation of approximately 88 m above sea level (m asl). The Site has a topographic high point and gradually slopes either towards Rideau Valley Drive (located to the east of the Site) or McIntyre Scobie Drain (located to the west of the Site). Surrounding local topography generally slopes gradually downwards towards Rideau River which is located approximately 400 m northeast of the Site.

Groundwater flow often reflects topographic features and typically flows towards nearby lakes, rivers, and wetland areas. Based on the topography and hydrogeological features, it is anticipated that local shallow groundwater would flow to the eastwards towards Rideau River.

#### 3.3.2.1 Surficial and Bedrock Geology

Surficial and bedrock geology maps of the Canada indicate that the overburden in Phase One Study Area generally consists of fine-textured glaciomarine deposits (i.e., silt and clay, minor sand and gravel) and stone-poor, sandy silt to silty sand-textured till with a thickness ranging from 15 to 25 m. The bedrock is mapped as dolostone, and sandstone of Beekmantown Group.

#### 3.3.3 Fill Materials

No evidence of stockpiled fill material or fill with debris was observed on the Site except for material that was placed east of the McIntyre Scobie Drain. Please see Figure A.2, Appendix A for the location of the placement of this excess soil which was imported from 3505 Prince of Wales Drive in Ottawa, Ontario. This imported excess soil does not create an APEC on-Site because GEMTEC understands that no exceedances were identified compared to MECP Table 1 Agricultural or Other Property Use (Agri) Excess Soil Quality Standards (ESQS), Table 2.1 Agri ESQS and Table 8.1 Agri ESQS. The details of the soil analytical data are not discussed and summarized as part of this report as the report was not available to GEMTEC for review.

Additionally, it should also be noted that no fill material of unknown origin is anticipated to be present on the site considering the following multiple lines of evidence:

- It was confirmed by Mr. Dave Beveridge, Site contact, and Mr. Simon Miller, Site owner, during the Site interview that to their knowledge, no fill material of unknown material was brought to the Site;
- The roadways/driveways present at the Site consist of engineered fill i.e., primarily gravel; and,
- Considering the current and intended land use at the Site, which encompasses a combination of agricultural activities (including market gardening, chicken coops, and the operation of greenhouses) as well as commercial operations (such as a sales shop), it is understood that this Phase One ESA is required to facilitate a zoning by-law amendment application with the City of Ottawa. Given the nature of the intended land use, presence of any historical fill material present on the Site is not expected to pose a significant risk of exposure. However, should there be a need to excavate this material (such as for redevelopment), soil characterization may be required.

At this time, fill material or unknown quality has not been identified as an APEC on the site, however, should fill material be identified during any future works at the site, investigation may be warranted.

### **3.3.4 Waterbodies and Areas of Natural Significance**

No provincially significant wetlands (PSWs) or areas of natural and scientific interest (ANSIs) were identified on the Site or within the Phase One Study Area. McIntyre Scobie Drain, a municipal drain, is present along the west edge of the Site and the Rideau River is present approximately 400 m northeast of the Site.

### **3.3.5 Well Records**

Well records were reviewed for the Site and Phase One Study Area and were available through the MECP. One well is located at the Site while the other water well is located at the land parcel of 6168 Rideau Valley Drive (south of the Site).

A review of Well Record (ID: 025676) indicates that the overburden consists of brown sandy soil with grey sandy clay to the depth of approximately 27.70 m below ground surface (bgs) underlain by grey limestone. The well records are available in Appendix K.

## **4.0 INTERVIEW**

Mr. Dave Beveridge, Site contact, and Mr. Simon Miller, Site owner, were interviewed in person during the Site reconnaissance on March 20, 2024. A summary of information provided to GEMTEC during the interview is provided below.

Mr. Beveridge and Mr. Miller indicated the following to the best of their knowledge:

- Combined they have approximately 25 years of historical knowledge about the Site;
- The on-Site structures are used for farm operations and commercial activities related to the farm operations. The landscaping business was started in 2008 (approximately);
- All the barns and sheds located at the Site are used for storage;
- No fill material was brought to the Site except the imported soil placed along the McIntyre Scobie Drain. This imported material was brought from 3505 Prince of Wales Drive in Ottawa, Ontario and GEMTEC understands that no exceedances were identified compared to MECP Table 1 Agri ESQS, Table 2.1 Agri ESQS and Table 8.1 Agri ESQS;
- No contaminated soil was brought to the Site based on the discussion about EASR as discussed in Section 3.2.1;
- No sumps or pits were located at the Site;
- Three ASTs are present at the Site which are used for refuelling farm equipment;
- An oil water separator is present at the Site along the western building line of Building Workshop (Structure 7). The oil water separator is pumped as needed;
- Building Workshop (Structure 7) is used for general maintenance of the farm equipment;
- No manufacturing activities are conducted at the Site;
- The Site is serviced by natural gas, overhead hydro, water well and a septic system;
- No generators are located at the Site;
- Only domestic wastewater is generated from the Site and only Structure 2 (Residential Building) has a washroom associated with it;
- No transformers are present on the Site;
- No historical spills were reported at the Site; and,
- Not aware of any environmental concerns related to the Site.

#### **4.1 Assessment and Evaluation of Interview**

The interview with Mr. Beveridge and Mr. Miller is consistent with historical records and other information sources.

*Based on the review of available information through interview, the presence of ASTs and an oil water separator are a potential concern for the Site.*

## **5.0 SITE RECONNAISSANCE**

### **5.1 General Requirements**

A Site reconnaissance was carried out on March 20, 2024. The weather at the time of Site reconnaissance was overcast with a temperature of approximately -10 °C.

The Site reconnaissance was completed by Mr. Mohit Bhargav, M.Sc.E., EIT. The Site reconnaissance was completed to determine if there were visually observable environmental concerns with the Site and/or surrounding properties within the Phase One Study Area.

## 5.2 Site Photographs

Photographs of the Site were taken during the Site reconnaissance to document the general condition of the Site. The relevant photographs are presented in Appendix L. A description of the photographs is summarized in Table 5.1.

**Table 5.1: Summary of Site photographs**

| Photo Number | Compass Orientation | Description  |
|--------------|---------------------|--|
| 1            | West                | Looking west. View of the Site from Rideau Valley Drive. All the structures at the Site can be seen on the photo in the background and landscaping operations can be seen in the front.  |
| 2            | North               | Looking north along the Rideau Valley Drive. The Site is to the left of the Rideau Valley Drive. Roadside drainage ditches are located on both sides of the Rideau Valley Drive.   |
| 3            | West                | Looking west along the gravel graded roadway/driveway leading into the Site. Structure 2 (Residential Building) can be seen behind the trees.  |
| 4            | West                | Looking west. Chicken coops and the area behind Structure 4 (Material Storage), Structure 5 (Material Storage), Structure 9 (Salt Storage) and Structure 3 (Material Storage in the background).                                 |
| 5            | South               | Looking south and the inside view of Structure 1 (Two Storey Barn).  |
| 6            | East                | Looking east along the gravel graded driveway/roadway leading into the Site. Structure 2 (Residential Building) and Structure 1 (Two Storey Barn on the left) can be seen.   |
| 7            | West                | Looking west. Structure 7 (Building Workshop) with the bay doors can be seen to the right.   |
| 8            | North               | Looking north along the area where the imported soil was placed. Tractor wash area can be seen on the right and McIntyre Scobie Drain can be seen on the left.   |
| 9            | North               | Looking north and a view of the tractor wash area. No signs of spills, staining or odors were noted at this location.  |
| 10           | North               | Looking north and a view of the gravel graded parking area and ASTs. ASTs are located along the west building line of Structure 3 (Material Storage). The Structure 9 (Salt Storage) can be seen in the background on the right. |
| 11           | East                | Looking east inside the Structure 7 (Building Workshop). An oil tote was present inside the Structure 7. No signs of spills, staining or odors were noted at this location.  |

| Photo Number | Compass Orientation | Description  |
|--------------|---------------------|--|
| 12           | West                | Looking west inside the Structure 7 (Building Workshop). A photo of the drain discharging into an oil water separator. Concrete flooring was in a good condition with minimal cracking.                                    |
| 13           | West                | Looking west inside the Structure 7 (Building Workshop). A photo of the hydraulic lift.  |
| 14           | West                | Looking west inside the Structure 7 (Building Workshop). A photo of the drain anticipated to be discharging into the Oil Water Separator.  |
| 15           | North               | Looking north inside the Structure 3 (Material Storage). Concrete flooring was in a good condition with minimal cracking. No signs of spills, staining or odors were noted at this location.                               |
| 16           | North               | Looking north inside the Structure 3 (Material Storage). Concrete flooring was in a good condition with minimal cracking. No signs of spills, staining or odors were noted at this location.                               |
| 17           | North               | Looking north at the ASTs along the west building line of Structure 3 (Material Storage). The ASTs were in good working condition and there were no signs of spills, staining or odors were noted at this location.        |
| 18           | North               | Looking north at one of the ASTs along the west building line of Structure 3 (Material Storage). The ASTs were in good working condition and there were no signs of spills, staining or odors were noted at this location. |
| 19           | North               | Looking north towards Structure 9 (Salt Storage).  |
| 20           | North               | Looking north inside Structure 4 (Material Storage).   |
| 21           | Northeast           | Looking north inside Structure 6 (Sales Shop/Millers Farm Market and Garden Centre). Concrete flooring was in a good condition with minimal cracking.  |
| 22           | North               | Looking north inside Structure 8 (greenhouse).   |
| 23           | South               | Looking south towards Structure 2 (Residential Building). A septic tank can be seen in front of the Residential Building.  |
| 24           | Northwest           | Looking northwest. From left to right is Structure 3 (Material Storage), Structure 9 (Salt Storage), Structure 5 (Material Storage), and Structure 4 (Material Storage).   |

### 5.3 Specific Observations at Site

#### 5.3.1 On-Site Structures

Through the review of aerial photographs, the Site was developed circa 1946. Two structures were present in the southern portion of the Site (current location of Two Storey Barn (Structure 1) and Residential Building (Structure 2)) and the land use at the Site was agricultural.

Over the years, the Site has been developed into a farm and currently, there are a total of nine structures are present at the Site. The Site occupies an area of approximately 44,000 m<sup>2</sup>. The nine structures present at the Site include:

- Structure 1 – Two Storey Barn;
- Structure 2 – Residential Building;
- Structure 3, Structure 4, and Structure 5 – Storage Shed (Material Storage);
- Structure 6 – Sales Shop (Millers Farm Market and Garden Centre);
- Structure 7 – Building Workshop;
- Structure 8 – Greenhouses; and,
- Structure 9 – Storage Shed (Salt Storage).

It is GEMTECs understanding through discussion with Novatech, that Structure 2, the Residential Building is used as an office space to manage home based business.

The Site features (including structures) are shown in Figure A.2, Appendix A. All the structures are owned and operated by Millers Farm and Market.

All the barns and sheds (Structure 1, Structure 3, Structure 4, and Structure 5) are used for material storage. A Sales Shop/Millers Farm Market and Garden Centre (Structure 6) is used for selling farm products to the public. Residential Building (Structure 2) and two greenhouses (Structure 8) are also located at the Site. Storage Shed (Structure 9) is used for bulk salt storage.

Three ASTs are used for refuelling farm equipment. These ASTs are located to the west of the building line of Storage Shed (Structure 3). The ASTs appeared to be in a good working condition with no staining and spills on the ground. The ASTs were protected by concrete barriers.

Building Workshop (Structure 7) is used for general maintenance of farm equipment and has floor drains which are associated with an oil water separator which is located along the western building line of the Building Workshop. Concrete slab on grade was in a good condition with minimal cracking.

A landscaping operation was started at the Site sometime around 2008. Landscaping operations are located to the south and the east of Sales Shop/Millers Farm Market and Garden Centre (Structure 6). Northern portion of the Site is currently being used for vegetable garden and flower beds. Gravel roadways/driveways are present at the Site. The access to the Site is from Rideau Valley Drive. The Site is serviced by a septic system (located to the north of Residential Building (Structure 2)), overhead hydro, a water well and natural gas for heating.

### 5.3.2 Observations

The following observations were made for the Site:

- The Site is currently occupied by nine structures. The details of the structures are available in Section 5.3.1 and the Site features (including structures) are shown in Figure A.2, Appendix A.
- Gravel roadways/driveways are present at the Site.
- The Site is serviced by a septic system (located to the north of Residential Building (Structure 2)), overhead hydro, a water well and natural gas for heating.
- No signs of staining or spills were noted in proximity of the ASTs.
- A tractor/truck wash area was noted to the northwest of the Building Workshop (Structure 7). No signs of spills, staining or odors were noted at this location.
- Concrete slab on grade was in a good condition with minimal cracking for Building Workshop (Structure 7).
- No stressed vegetation or staining was identified at the Site.
- The details of the ASTs are provided in Table 5.2.

**Table 5.2: Summary of ASTs**

| Tank Volume | Date of Manufacture | Tank Description  | Tank Construction | Fuel Storage |
|-------------|---------------------|---|-------------------|--------------|
| 1,360 L     | 11-2020             | AST for flammable and combustible liquids with integral spill containment – Double Wall | Double Wall       | Gasoline     |
| 4,550 L     | 10-2018             | AST for flammable and combustible liquids with integral spill containment – Double Wall | Double Wall       | Clear Diesel |
| 4,550 L     | 08-2016             | AST for flammable and combustible liquids – Double Wall                                 | Double Wall       | Dyed Diesel  |

### 5.3.3 Site Services

The Site is serviced by a septic system (located to the north of Residential Building (Structure 2)), overhead hydro, a water well and natural gas for heating. Roadside drainage ditches were identified along Rideau Valley Drive.

### 5.3.4 Unidentified Substances

No unidentified substances were observed on the Site during the Site reconnaissance.

### 5.3.5 Odours

No odours were identified on the Site during the Site reconnaissance.



### 5.3.6 Enhanced Investigation Property

The Site is not considered an enhanced investigation property as defined under O.Reg 153/04, as amended.

## 5.4 Specific Observations within the Phase One Study Area

### 5.4.1 Surrounding Properties

Adjacent properties were viewed from the Site and publicly accessible boundaries to assess the potential for uses to adversely affect the Site. Table 5.3 summarizes the findings.

**Table 5.3: Summary of Surrounding Properties**

| Property Location | Civic Address  | Property Land Use           | Property Details  |
|-------------------|--|-----------------------------|---|
| North             | 6080, 6120, 6138 Rideau Valley Drive   | Agricultural<br>Residential | The Site is bound to the north by an agricultural land parcel followed by residential dwellings.  |
| East              | Rideau Valley Drive<br>6139, 6145, 6157 Rideau Valley Drive<br>Rideau River                    | Community<br>Residential    | The Site is bound to the east by a community use roadway i.e., Rideau Valley Drive beyond which lies several residential land parcels followed by Rideau River.   |
| South             | 6168, 6206 Rideau Valley Drive   | Residential<br>Agricultural | The Site is bound to the south by a residential lot and an agricultural land parcel.  |
| West              | McIntyre Scobie Drain<br>Remaining portion of 6158 Rideau Valley Drive<br>6151 First Line Road | Agricultural<br>Industrial  | The Site is bound to the west by McIntyre Scobie Drain followed by the remaining portion of 6158 Rideau Valley Drive (used for agriculture) followed by an aggregate pit located at 6151 First Line Road. |

### 5.4.2 Water, Wastewater and Storm Water

The Site is serviced by a water well and a septic system (located to the north of Residential Building (Structure 2)). The adjacent properties were assumed to be provided with domestic water well in a similar manner as the Site. The storm water is believed to either infiltrate the ground surface or flow towards McIntyre Scobie Drain or drainage ditches located along Rideau Valley Drive.

### 5.4.3 Pits, Ponds, and Lagoons

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

#### 5.4.4 Stained Materials and Stressed Vegetation

No signs of stressed vegetation were observed at the time of Site reconnaissance.

#### 5.4.5 Watercourses, Ditches or Standing Water

Rideau River is located approximately 400 m northeast of the Site. Roadside drainage ditches are located along Rideau Valley Drive. McIntyre Scobie Drain (a municipal drain) is present along the western edge of the Site. No standing water was noted at the time of Site reconnaissance.

### 5.5 Site Reconnaissance Limitations

No limitations were noted at the time of Site reconnaissance.

## 6.0 REVIEW AND EVALUATION OF INFORMATION

### 6.1 Current and Past Uses

Currently the Site is occupied by nine structures which are owned and operated by Millers Farm and Market. The details of the structures are available in Section 5.3.1. The Site was used for agricultural purposes historically and the current use encompasses a combination of agricultural activities (including market gardening, chicken coops, and the operation of greenhouses) as well as commercial operations (such as a sales shop).

### 6.2 Potentially Contaminating Activities

Several PCAs were identified on-Site. No off-Site PCAs were identified. The locations of the PCAs are shown on Figure A.3, Appendix A and summarized in Table 6.1.

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

| PCA ID | Type of PCA       | Address / Location | Information source                        | PCA Description                                  | Rationale  |
|--------|-------------------|--------------------|---|--|--|
| 28     | Presence of ASTs  | On-Site            | Aerial Photographs<br>Site Reconnaissance | Presence of ASTs for fuelling farm equipment     | Yes – APEC 1<br>As per O.Reg 153/04, as amended, on-Site PCA leads to an APEC. |
| 48     | Bulk Salt Storage | On-Site            | Site Reconnaissance                       | Bulk Salt Storage at a Storage Shed (Building 9) | Yes – APEC 2<br>As per O.Reg 153/04, as amended, on-Site PCA leads to an APEC. |

| PCA ID | Type of PCA  | Address / Location | Information source  | PCA Description  | Rationale  |
|--------|--|--------------------|---------------------|--|--|
| OT 1   | Presence of Oil Water Separator and general maintenance of farm equipment. | On-Site            | Site Reconnaissance | An oil water separator was identified along the western building line of Building Workshop (Structure 7) where general maintenance of the farm equipment is carried out. | Yes – APEC 3<br>As per O.Reg 153/04, as amended, on-Site PCA leads to an APEC. |

**Notes:**

28. Gasoline and Associated Products Storage in Fixed Tanks

48. Salt Manufacturing, Processing and Bulk Storage

OT 1: Presence of an Oil Water Separator

### 6.3 Areas of Potential Environmental Concern

GEMTEC identified three APECs on the Site resulting from three on-Site PCAs. The identified APECs, impacted media, and contaminants of potential concern (COPCs) are summarized in Table 6.2 and Figure A.4, Appendix A.

**Table 6.2: Areas of Potential Environmental Concern**

| APEC # | APEC  | Location of APEC on the Site                                       | PCA  | Location of PCA (On-Site and/or Off-Site) | COPCs                      | Media Potentially Impacted (Soil, Groundwater and/or Sediments) |
|--------|---|--|------|---|----------------------------|---|
| 1      | Presence of Oil Water Separator and general maintenance of farm equipment at Structure 7. | Along the western building line of Building Workshop (Structure 7) | OT 1 | On-Site                                   | PHC F1-F4, VOCs, PAHs      | Soil<br>Groundwater   |
| 2      | Presence of ASTs  | Along the western building line of Storage Shed (Structure 3)      | 28   | On-Site                                   | PHC F1-F4, BTEX, PAHs      | Soil<br>Groundwater   |
| 3      | Bulk Salt Storage   | Building footprint of Storage Shed (Structure 9)                   | 48   | On-Site                                   | EC, SAR (Sodium, Chloride) | Soil<br>Groundwater   |

**Notes:**

28. Gasoline and Associated Products Storage in Fixed Tanks  
48. Salt Manufacturing, Processing and Bulk Storage  
OT 1: Presence of an Oil Water Separator  
PHC F1-F4 – Petroleum Hydrocarbons F1-F4  
BTEX – Benzene, Toluene, Ethylbenzene, and Xylene  
EC – Electrical Conductivity  
SAR – Sodium Adsorption Ratio  
VOC – Volatile Organic Compounds  
PAH – Polycyclic Aromatic Hydrocarbons

A summary and description of the identified APECs and pertinent COPCs is provided below:

**APEC 1 – Presence of Oil Water Separator and general maintenance of farm equipment at Structure 7.**

Through the review of the information (Site reconnaissance and interview), an oil water separator was identified along the western building line of the Building Workshop (Structure 7). This APEC is limited to the western building line of Building Workshop (Structure 7). The COPCs are PHC F1-F4, VOCs, and PAHs, in soil and groundwater.

**APEC 2 – Presence of ASTs**

Through the review of information (aerial photographs and Site reconnaissance), the Site has three ASTs. No evidence of staining, spills or odours were noted at the time of the Site reconnaissance. This APEC is limited to the western building line of Storage Shed (Structure 3). The COPCs are PHC F1-F4, PAHs, and BTEX in soil and groundwater.

**APEC 3 – Bulk Salt Storage**

Through the review of information (Site reconnaissance), Storage Shed (Structure 9) is used for bulk storage of salt. This APEC is limited to the footprint of Storage Shed (Structure 9). The COPCs are EC and SAR in soil and sodium and chloride groundwater.

**6.3.1 Discussion of Uncertainty**

Mr. Dave Beveridge, Site contact, and Mr. Simon Miller, Site owner, were available to be interviewed. Mr. Beveridge and Mr. Miller provided information related to the Site to the best of their abilities and no uncertainties were identified.

**6.4 Phase One Conceptual Site Model**

The Phase One Conceptual Site Model (CSM) describes the nature and extent of potential contaminants on the Site. The Phase One CSM is summarized in Sections 6.4.1 through 6.4.11 and the figures included in Appendix A, as outlined in Table 6.3.

**Table 6.3: Summary of Conceptual Site Model Figures**

| Conceptual Model Detail                       | Figure   |
|---|--|
| Roads   | Figure A.1: Site and Phase One Study Area            |
| Existing Buildings and Structures             | Figure A.2: Site and Phase One Study Area Features   |
| Potentially Contaminating Activities          | Figure A.3: Potentially Contaminating Activities     |
| Areas of Potential Environmental Concern      | Figure A.4: Areas of Potential Environmental Concern |
| Water Wells, Waterbodies, watercourses, ANSIs | Figure A.5: Topographic map and MECP Water Wells     |

### 6.4.1 Site Description

Through the review of aerial photographs, the Site was developed circa 1946. Two structures were present in the southern portion of the Site (current location of Two Storey Barn (Structure 1) and Residential Building (Structure 2)) and the land use at the Site was agricultural.

Over the years, the Site has been developed into a farm and currently, there are a total of nine structures are present at the Site. The Site occupies an area of approximately 44,000 m<sup>2</sup>. The nine structures present at the Site include:

- Structure 1 – Two Storey Barn;
- Structure 2 – Residential Building;
- Structure 3, Structure 4, and Structure 5 – Storage Shed (Material Storage);
- Structure 6 – Sales Shop (Millers Farm Market and Garden Centre);
- Structure 7 – Building Workshop;
- Structure 8 – Greenhouses; and,
- Structure 9 – Storage Shed (Salt Storage).

Note: The Residential Building is used as an office space to manage home based business.

The Site features (including structures) are shown in Figure A.2, Appendix A. All the structures are owned and operated by Millers Farm and Market.

All the barns and sheds (Structure 1, Structure 3, Structure 4, and Structure 5) are used for storage. A Sales Shop/Millers Farm Market and Garden Centre (Structure 6) is used for selling farm products to the public. Residential Building (Structure 2) and two greenhouses (Structure 8) are also located at the Site. Storage Shed (Structure 9) is used for bulk salt storage.

Three ASTs are used for refuelling farm equipment. These ASTs are located to the west of the building line of Storage Shed (Structure 3). The ASTs appeared to be in a good working

condition with no staining and spills on the ground. The ASTs were protected by concrete barriers.

Building Workshop (Structure 7) is used for general maintenance of farm equipment and has floor drains which are associated with an oil water separator which is located along the western building line of the Building Workshop. Concrete slab on grade was in a good condition with minimal cracking.

A landscaping operation was started at the Site sometime around 2008. Landscaping operations are located to the south and the east of Sales Shop/Millers Farm Market and Garden Centre (Structure 6). Northern portion of the Site is currently being used for vegetable garden and flower beds. Gravel roadways/driveways are present at the Site. The access to the Site is from Rideau Valley Drive. The Site is serviced by a septic system (located to the north of Residential Building (Structure 2)), overhead hydro, a water well and natural gas for heating.

#### **6.4.2 Current and Proposed Future Site Use**

Currently the Site is occupied by nine structures which are owned and operated by Millers Farm and Market. The details of the structures are available in Section 5.3.1. The current use encompasses a combination of agricultural activities (including market gardening, chicken coops, and the operation of greenhouses) as well as commercial operations (such as a sales shop). The future use is expected to be the same.

#### **6.4.3 Topography, Hydrology and Geology**

The Site has a relatively flat topography and is at an elevation of approximately 88 m above sea level (m asl). The Site has a topographic high point and gradually slopes either towards Rideau Valley Drive (located to the east of the Site) or McIntyre Scobie Drain (located to the west of the Site). Surrounding local topography generally slopes gradually downwards towards Rideau River which is located approximately 400 m northeast of the Site.

Groundwater flow often reflects topographic features and typically flows towards nearby lakes, rivers, and wetland areas. Based on the topography and hydrogeological features, it is anticipated that local shallow groundwater would flow to the northeast towards Rideau River.

Surficial and bedrock geology maps of the Canada indicate that the overburden in Phase One Study Area generally consists of fine-textured glaciomarine deposits (i.e., silt and clay, minor sand and gravel) and stone-poor, sandy silt to silty sand-textured till with a thickness ranging from 15 to 25 m. The bedrock is mapped as dolostone, and sandstone of Beekmantown Group.

#### **6.4.4 Waterbodies and Areas of Natural and Scientific Interest**

No provincially significant wetlands (PSWs) or areas of natural and scientific interest (ANSIs) were identified on the Site or within the Phase One Study Area. McIntyre Scobie Drain, a

municipal drain, is present along the west edge of the Site and the Rideau River is present approximately 400 m northeast of the Site.

#### 6.4.5 Well Records

Well records were reviewed for the Site and Phase One Study Area and were available through the MECP. One well is located at the Site while the other water well is located at the land parcel of 6168 Rideau Valley Drive (south of the Site).

A review of Well Record (ID: 025676) indicates that the overburden consists of brown sandy soil with grey sandy clay to the depth of approximately 27.70 m below ground surface (bgs) underlain by gray limestone.

#### 6.4.6 Potentially Contaminating Activities, Contaminants of Potential Concern and Area of Potential Environmental Concern

The Phase One ESA identified several PCAs on-Site. No off-Site PCAs were identified. A summary of the PCAs as outlined on Table 2 in Schedule D of the Regulation, and identified in the Phase One ESA, are provided in Table 6.4.

**Table 6.4: Summary of Potentially Contaminating Activities**

| PCA ID | Type of PCA  | Address / Location | Information source                        | PCA Description  | Rationale  |
|--------|--|--------------------|---|--|--|
| 28     | Presence of ASTs   | On-Site            | Aerial Photographs<br>Site Reconnaissance | Presence of ASTs for fuelling farm equipment   | Yes – APEC 1<br>As per O.Reg 153/04, as amended, on-Site PCA leads to an APEC. |
| 48     | Bulk Salt Storage  | On-Site            | Site Reconnaissance                       | Bulk Salt Storage at a Storage Shed (Building 9)   | Yes – APEC 2<br>As per O.Reg 153/04, as amended, on-Site PCA leads to an APEC. |
| OT 1   | Presence of Oil Water Separator and general maintenance of farm equipment. | On-Site            | Site Reconnaissance                       | An oil water separator was identified along the western building line of Building Workshop (Structure 7) where general maintenance of the farm equipment is carried out. | Yes – APEC 3<br>As per O.Reg 153/04, as amended, on-Site PCA leads to an APEC. |

Notes:

28. Gasoline and Associated Products Storage in Fixed Tanks  
 48. Salt Manufacturing, Processing and Bulk Storage  
 OT 1: Presence of an Oil Water Separator

### 6.4.7 Subsurface Structures and Utilities

There is low potential for underground utilities to affect contaminant transport on or to the Site if contaminants are present. The existing buildings are serviced by a septic system (located to the north of Residential Building (Structure 2)), overhead hydro, a water well and natural gas for heating.

### 6.4.8 Areas of Potential Environmental Concern (APECs)

The available information was reviewed in a comprehensive manner starting with available historical information, followed by the results of the Site reconnaissance and finally the results of the interviews. Based on the PCAs identified within the Phase One Study Area, three APECs were identified on the Site and summarized in Table 6.5.

**Table 6.5: Areas of Potential Environmental Concern**

| APEC # | APEC  | Location of APEC on the Site                                       | PCA  | Location of PCA (On-Site and/or Off-Site) | COPCs                      | Media Potentially Impacted (Soil, Groundwater and/or Sediments) |
|--------|---|--|------|---|----------------------------|---|
| 1      | Presence of Oil Water Separator and general maintenance of farm equipment at Structure 7. | Along the western building line of Building Workshop (Structure 7) | OT 1 | On-Site                                   | PHC F1-F4, VOCs, PAHs      | Soil<br>Groundwater   |
| 2      | Presence of ASTs  | Along the western building line of Storage Shed (Structure 3)      | 28   | On-Site                                   | PHC F1-F4, BTEX, PAHs      | Soil<br>Groundwater   |
| 3      | Bulk Salt Storage   | Building footprint of Storage Shed (Structure 9)                   | 48   | On-Site                                   | EC, SAR (Sodium, Chloride) | Soil<br>Groundwater   |

**Notes:**

28. Gasoline and Associated Products Storage in Fixed Tanks  
 48. Salt Manufacturing, Processing and Bulk Storage  
 OT 1: Presence of an Oil Water Separator  
 PHC F1-F4 – Petroleum Hydrocarbons F1-F4  
 BTEX – Benzene, Toluene, Ethylbenzene, and Xylene  
 EC – Electrical Conductivity  
 SAR – Sodium Adsorption Ratio



VOC – Volatile Organic Compounds  
PAH – Polycyclic Aromatic Hydrocarbons

#### **6.4.9 Contaminants of Potential Concern (COPCs)**

Three APECs were identified on the Site. A summary and description of the identified APECs and pertinent COPCs is provided below:

##### **APEC 1 – Presence of Oil Water Separator and general maintenance of farm equipment at Structure 7.**

The COPCs are PHC F1-F4, VOCs, and PAHs in soil and groundwater.

##### **APEC 2 – Presence of ASTs**

The COPCs are PHC F1-F4, PAHs, and BTEX in soil and groundwater.

##### **APEC 3 – Bulk Salt Storage**

The COPCs are EC and SAR in soil and Sodium and Chloride in groundwater.

#### **6.4.10 Uncertainty and Absence of Information**

There were no material deviations to the Phase One ESA requirements set out in O.Reg 153/04, as amended, that would cause uncertainty or absence of information that would affect the validity of the Phase One ESA CSM or the findings of this Phase One ESA.

## **7.0 CONCLUSIONS AND RECOMMENDATIONS**

### **7.1 Need for a Phase Two ESA**

Based on the information obtained and reviewed as part of this Phase One ESA, three APECs were identified at the Site. Based on the identification of APECs, it is recommended that a subsurface investigation be carried out to adequately characterize soil and groundwater conditions in support of the proposed works in accordance with O.Reg 153/04, as amended.

## **8.0 REFERENCES**

Environmental Systems Research Institute (ESRI). 2011. ArcGIS Desktop: Release 10. Redlands, CA: Environmental Systems Research Institute.

ERIS Database Report, December 19, 2023. Phase One Environmental Site Assessment – 6158 Rideau Valley Drive, Manotick, Ontario K4M 1B3. Order No 23121400291.

ERIS City Directory, January 3, 2024. Phase One Environmental Site Assessment – 6158 Rideau Valley Drive, Manotick, Ontario K4M 1B3. Order No 23121400291.

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Ministry of the Environment, Conservation and Parks Freedom of Information, February 5, 2024.

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Ontario Ministry of the Environment Conservation and Parks. Small Landfill Sites List. Published: March 18, 2014. Updated: October 18, 2021.

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Ontario Geological Survey, 2010. Surficial geology of southern Ontario; Ontario Geological Survey, Miscellaneous Release – Data 128 – Revised.

Ontario Ministry of the Environment, Conservation and Parks. Ontario Regulation 153/04, Made under the Environmental Protection Act, Part XV.1 – Records of Site Condition.

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

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Treasury Board of Canada - Secretariat. Mapping of Federally Contaminated Sites Accessed March 2024.

## **9.0 LIMITATIONS OF LIABILITY**

The Phase One Environmental Site Assessment has been supervised and reviewed the qualified person. This Phase One ESA was carried out in general with Ontario Regulation 153/04 made under the Environmental Protection Act and meets the requirements of Part VII (Sections 23 to 31) and Schedule D of the regulation.

The results of this Phase One ESA should in no way be construed as a warranty that the Site 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 the Owners of 6158 Rideau Valley Drive and is based on data and information collected during the Phase One ESA of the property conducted by GEMTEC. This report may not be relied upon by any other person or entity without the express written consent of GEMTEC and the Owners of 6158 Rideau Valley Drive. In evaluating this Site, GEMTEC 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 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 Site 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 Site and does not constitute a complete assessment of the adjacent sites.

## 10.0 CLOSURE

The undersigned Qualified Person confirms that the Phase One ESA was conducted and/or supervised by the Qualified Person and that all findings and conclusions of the Phase One ESA are included in the report.

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, M.Sc.E., EIT  
Environmental Scientist

MB/NS



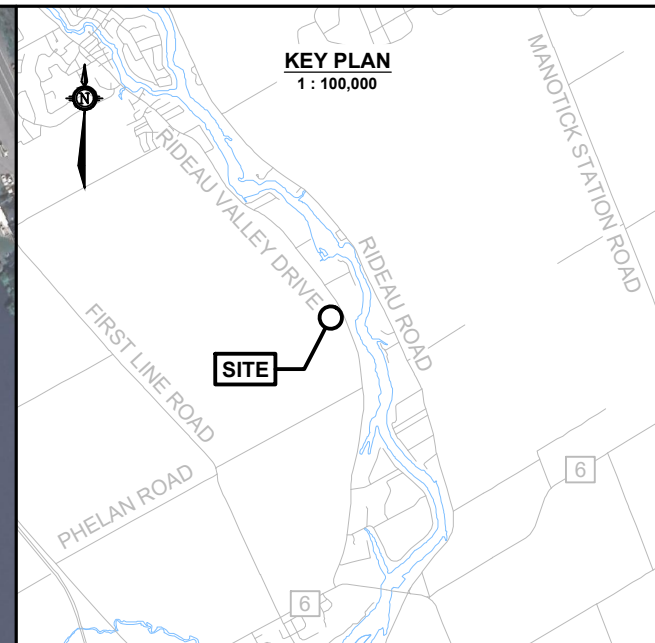
Nicole Soucy, M.A.Sc., P.Eng, QP<sub>ESA</sub>  
Environmental Engineer



## **APPENDIX A**

### Figures

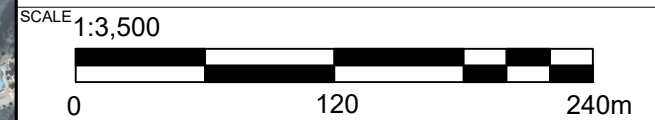
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**LEGEND**

|  |   |
|--|---|
|  | APPROXIMATE SITE BOUNDARY                             |
|  | STUDY AREA<br>(250 m RADIUS AROUND THE SITE BOUNDARY) |
|  | WATERCOURSE   |

- GENERAL NOTE(S)
1. Coordinate system: NAD83, UTM ZONE 18N
  2. Distances, elevations, and coordinates are shown in metres unless denoted otherwise
  3. This drawing is a schematic representation and should not be taken as a substitute for a legal survey.
  4. Maps Data: Google, ©2024 CNES / Airbus, First Base Solutions, Maxar Technologies
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  6. Geographic dataset source: Ontario GeoHub



DRAWING  
**SITE AND PHASE ONE STUDY AREA**

CLIENT  
NOVATECH ENGINEERS, PLANNERS & LANDSCAPE ARCHITECTS

PROJECT  
PHASE ONE  
ENVIRONMENTAL SITE ASSESSMENT,  
ZONING BY-LAW AMENDMENT APPLICATION  
6158 RIDEAU VALLEY DRIVE  
OTTAWA, ONTARIO

|                         |                           |
|-------------------------|---------------------------|
| DRAWN BY<br><b>S.L.</b> | CHECKED BY<br><b>N.S.</b> |
|-------------------------|---------------------------|

|                                  |                          |
|----------------------------------|--------------------------|
| PROJECT NO.<br><b>100011.082</b> | REVISION NO.<br><b>0</b> |
|----------------------------------|--------------------------|

|                           |                                 |
|---------------------------|---------------------------------|
| DATE<br><b>APRIL 2024</b> | FIGURE NO.<br><b>FIGURE A.1</b> |
|---------------------------|---------------------------------|

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CONSULTING ENGINEERS  
AND SCIENTISTS

32 Steacie Drive  
Ottawa, ON, K2K 2A9  
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www.gemtec.ca  
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**LEGEND**

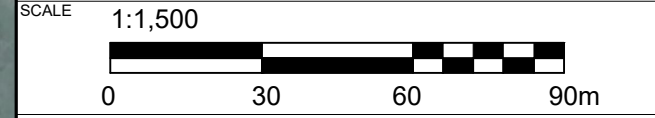
----- APPROXIMATE SITE BOUNDARY

----- WATERCOURSE

| FEATURE ID | DESCRIPTION                                      |
|------------|--|
| 1          | TWO STOREY BARN (MATERIAL STORAGE)               |
| 2          | RESIDENTIAL BUILDING                             |
| 3          | STORAGE SHED (MATERIAL STORAGE)                  |
| 4          | STORAGE SHED (MATERIAL STORAGE)                  |
| 5          | STORAGE SHED (MATERIAL STORAGE)                  |
| 6          | SALES SHOP/MILLERS FARM MARKET AND GARDEN CENTRE |
| 7          | BUILDING WORKSHOP                                |
| 8          | GREENHOUSES                                      |
| 9          | STORAGE SHED (SALT STORAGE)                      |

GENERAL NOTE(S)

1. Coordinate system: NAD83, UTM ZONE 18N
2. Distances, elevations, and coordinates are shown in metres unless denoted otherwise
3. This drawing is a schematic representation and should not be taken as a substitute for a legal survey.
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DRAWING SITE FEATURE

CLIENT NOVATECH ENGINEERS, PLANNERS & LANDSCAPE ARCHITECTS

PROJECT PHASE ONE ENVIRONMENTAL SITE ASSESSMENT, ZONING BY-LAW AMENDMENT APPLICATION 6158 RIDEAU VALLEY DRIVE OTTAWA, ONTARIO

DRAWN BY S.L. CHECKED BY N.S.

PROJECT NO. 100011.082 REVISION NO. 0

DATE APRIL 2024 FIGURE NO. FIGURE A.2

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ottawa@gemtec.ca

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| LEGEND |                           |
|--------|---------------------------|
|        | APPROXIMATE SITE BOUNDARY |
|        | WATERCOURSE               |

| PCA ID | DESCRIPTION   |
|--------|---|
| 28     | GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS |
| 48     | SALT MANUFACTURING, PROCESSING AND BULK STORAGE         |
| OT1    | PRESENCE OF AN OIL WATER SEPARATOR                      |

GENERAL NOTE(S)

- Coordinate system: NAD83, UTM ZONE 18N
- Distances, elevations, and coordinates are shown in metres unless denoted otherwise
- This drawing is a schematic representation and should not be taken as a substitute for a legal survey.
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SCALE 1:1,500

DRAWING  
**POTENTIALLY CONTAMINATING ACTIVITIES**

CLIENT  
NOVATECH ENGINEERS, PLANNERS & LANDSCAPE ARCHITECTS

PROJECT  
PHASE ONE  
ENVIRONMENTAL SITE ASSESSMENT,  
ZONING BY-LAW AMENDMENT APPLICATION  
6158 RIDEAU VALLEY DRIVE  
OTTAWA, ONTARIO

|                           |                                 |
|---------------------------|---------------------------------|
| DRAWN BY<br>S.L.          | CHECKED BY<br>N.S.              |
| PROJECT NO.<br>100011.082 | REVISION NO.<br>0               |
| DATE<br>APRIL 2024        | FIGURE NO.<br><b>FIGURE A.3</b> |

|  |  |
|--|--|
| <p><b>GEMTEC</b><br/>CONSULTING ENGINEERS<br/>AND SCIENTISTS</p> | <p>32 Steacie Drive<br/>Ottawa, ON, K2K 2A9<br/>Tel: (613) 836-1422<br/>www.gemtec.ca<br/>ottawa@gemtec.ca</p> |
|--|--|



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| LEGEND  |  |
|---------|--|
|         | APPROXIMATE SITE BOUNDARY  |
|         | WATERCOURSE  |
| APEC ID | DESCRIPTION  |
| 1       | PRESENCE OF OIL WATER SEPARATOR AND GENERAL MAINTENANCE OF FARM EQUIPMENT AT STRUCTURE 7 |
| 2       | PRESENCE OF ASTS   |
| 3       | BULK SALT STORAGE  |

GENERAL NOTE(S)

- Coordinate system: NAD83, UTM ZONE 18N
- Distances, elevations, and coordinates are shown in metres unless denoted otherwise
- This drawing is a schematic representation and should not be taken as a substitute for a legal survey.
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SCALE 1:1,500

DRAWING  
AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

CLIENT  
NOVATECH ENGINEERS, PLANNERS & LANDSCAPE ARCHITECTS

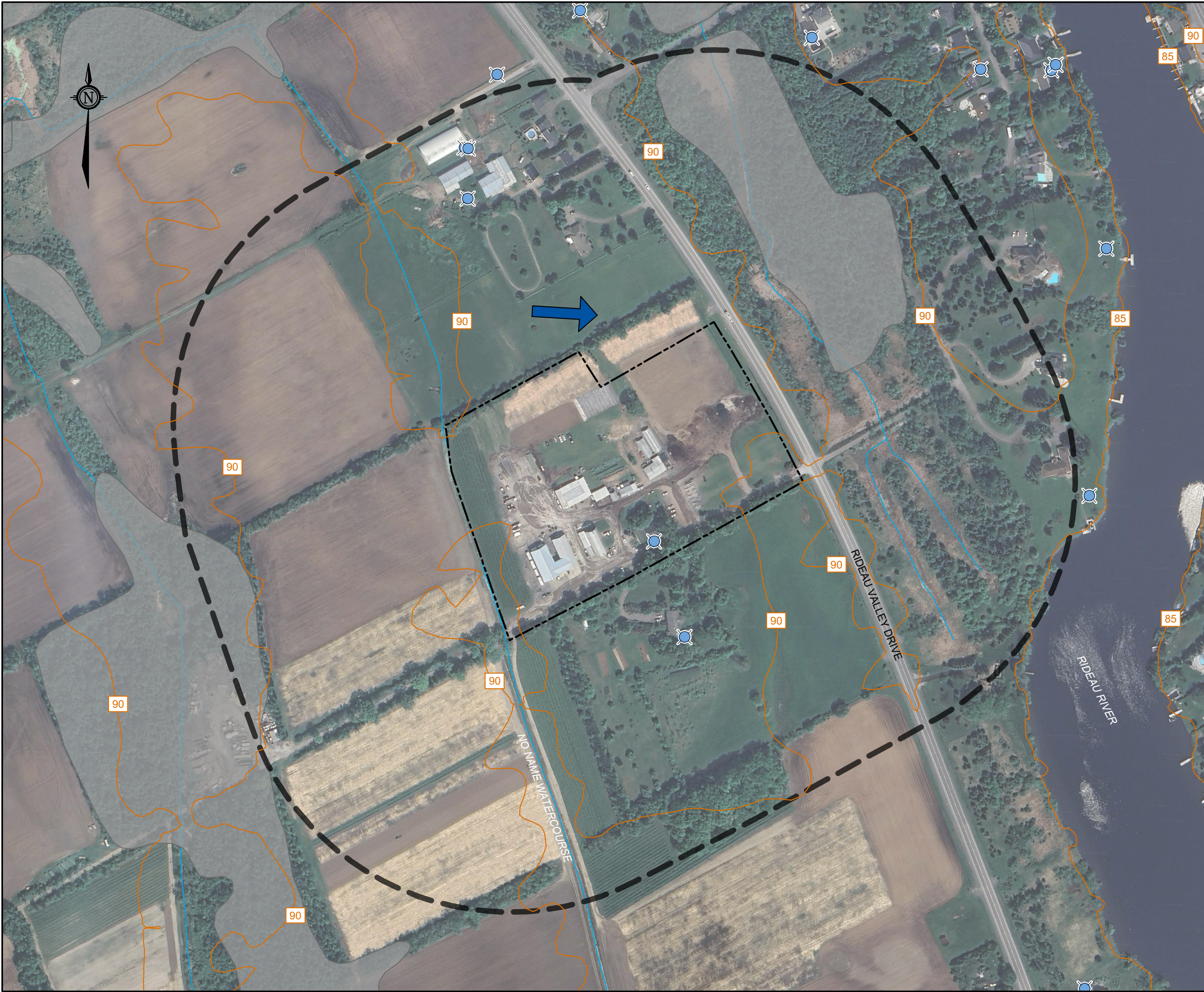
PROJECT  
PHASE ONE  
ENVIRONMENTAL SITE ASSESSMENT,  
ZONING BY-LAW AMENDMENT APPLICATION  
6158 RIDEAU VALLEY DRIVE  
OTTAWA, ONTARIO

|                           |                          |
|---------------------------|--------------------------|
| DRAWN BY<br>S.L.          | CHECKED BY<br>N.S.       |
| PROJECT NO.<br>100011.082 | REVISION NO.<br>0        |
| DATE<br>APRIL 2024        | FIGURE NO.<br>FIGURE A.4 |

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**LEGEND**

- MECP PUBLIC WELL RECORDS
- APPROXIMATE SITE BOUNDARY
- STUDY AREA (250 m RADIUS AROUND THE SITE BOUNDARY)
- WATERCOURSE
- GROUND SURFACE ELEVATION, IN METRES
- WETLAND UNEVALUATED
- GROUNDWATER FLOW DIRECTION

**GENERAL NOTE(S)**

1. Coordinate system: NAD83, UTM ZONE 18N
2. Distances, elevations, and coordinates are shown in metres unless denoted otherwise
3. This drawing is a schematic representation and should not be taken as a substitute for a legal survey.
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**SCALE** 1:3,500

**DRAWING**  
TOPOGRAPHIC MAP AND MECP WATER WELLS

**CLIENT**  
NOVATECH ENGINEERS, PLANNERS & LANDSCAPE ARCHITECTS

**PROJECT**  
PHASE ONE  
ENVIRONMENTAL SITE ASSESSMENT,  
ZONING BY-LAW AMENDMENT APPLICATION  
6158 RIDEAU VALLEY DRIVE  
OTTAWA, ONTARIO

|                                  |  |
|----------------------------------|--|
| <b>DRAWN BY</b><br>S.L.          | <b>CHECKED BY</b><br>N.S.              |
| <b>PROJECT NO.</b><br>100011.082 | <b>REVISION NO.</b><br>0               |
| <b>DATE</b><br>APRIL 2024        | <b>FIGURE NO.</b><br><b>FIGURE A.5</b> |

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## **APPENDIX B**

### Qualification of Assessors

## **QUALIFICATION OF ASSESSORS**

### **Mohit Bhargav, M.Sc.E., EIT – Environmental Scientist**

The primary assessor for this Phase One Environmental Site Assessment (ESA) was Mr. Mohit Bhargav, Junior Environmental Scientist 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 has provided him with the knowledge and expertise to identify sources of environmental concern and evaluate their potential to cause adverse environmental impacts.

### **Nicole Soucy, M.Sc., P.Eng., QP<sub>ESA</sub> – Environmental Engineer**

The APU was carried out under the supervision of Ms. Nicole Soucy, M.A.Sc., 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 406/19. Ms. Soucy has a Master of Applied Science with specialization in Environmental Engineering and vapour intrusion. Ms. Soucy's formal education and experience working in environmental consulting has provided her with the knowledge and expertise to identify sources of environmental concern and evaluate their potential to cause adverse environmental impacts.



## **APPENDIX C**

### Chain of Title

LAND  
REGISTRY  
OFFICE #4

03909-0149 (LT)

PREPARED FOR EEGOOLAB  
ON 2024/01/08 AT 13:33:08

\* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT \*

PROPERTY DESCRIPTION: PART OF LOT 13, CONCESSION BF, AKA CON ABF, BEING PARTS 2 AND 4 ON 5R6592, EXCEPT PART 1 ON 4R18840, OTTAWA. S/T NS171551

PROPERTY REMARKS:

ESTATE/QUALIFIER:  
FEE SIMPLE  
LT CONVERSION QUALIFIED

RECENTLY:  
DIVISION FROM 03909-0016

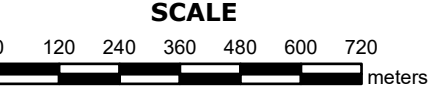
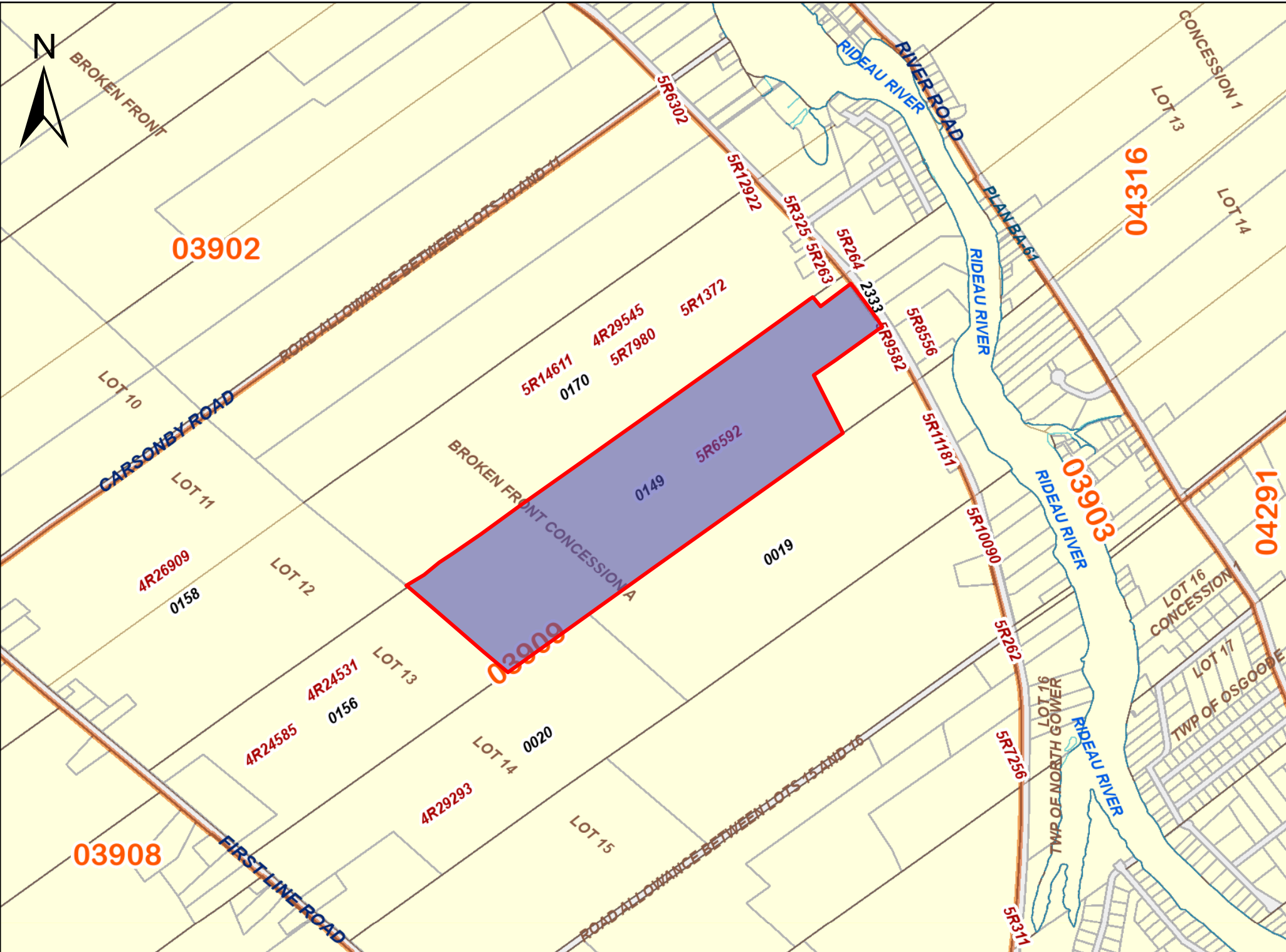
PIN CREATION DATE:  
2003/11/25

OWNERS' NAMES  
MILLER, RONALD  
MILLER, SUZANNE

CAPACITY SHARE  
JTEN  
JTEN

| REG. NUM.   | DATE       | INSTRUMENT TYPE | AMOUNT    | PARTIES FROM  | PARTIES TO                        | CERT/CHKD |
|---|------------|-----------------|-----------|---|-----------------------------------|-----------|
| <p>** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2003/11/25 **</p> <p>**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:</p> <p>** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES * AND ESCHEATS OR FORFEITURE TO THE CROWN.</p> <p>** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY CONVENTION.</p> <p>** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.</p> <p>**DATE OF CONVERSION TO LAND TITLES: 1999/11/22 **</p> |            |                 |           |   |                                   |           |
| 5R6592  | 1982/07/29 | PLAN REFERENCE  |           |   |                                   | C         |
| NS159162  | 1982/08/11 | AGREEMENT       |           |   |                                   | C         |
| NS171550  | 1982/12/03 | AGREEMENT       |           |   |                                   | C         |
| N589353   | 1991/09/03 | TRANSFER        | \$405,000 |   | MILLER, RONALD<br>MILLER, SUZANNE | C         |
| OC2474250   | 2022/04/01 | CHARGE          |           | *** COMPLETELY DELETED ***<br>MILLER, RONALD<br>MILLER, SUZANNE | FARM CREDIT CANADA                |           |
| OC2519737   | 2022/07/29 | DISCH OF CHARGE |           | *** COMPLETELY DELETED ***<br>FARM CREDIT CANADA                |                                   |           |
| REMARKS: OC2474250.   |            |                 |           |   |                                   |           |

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.  
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



**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

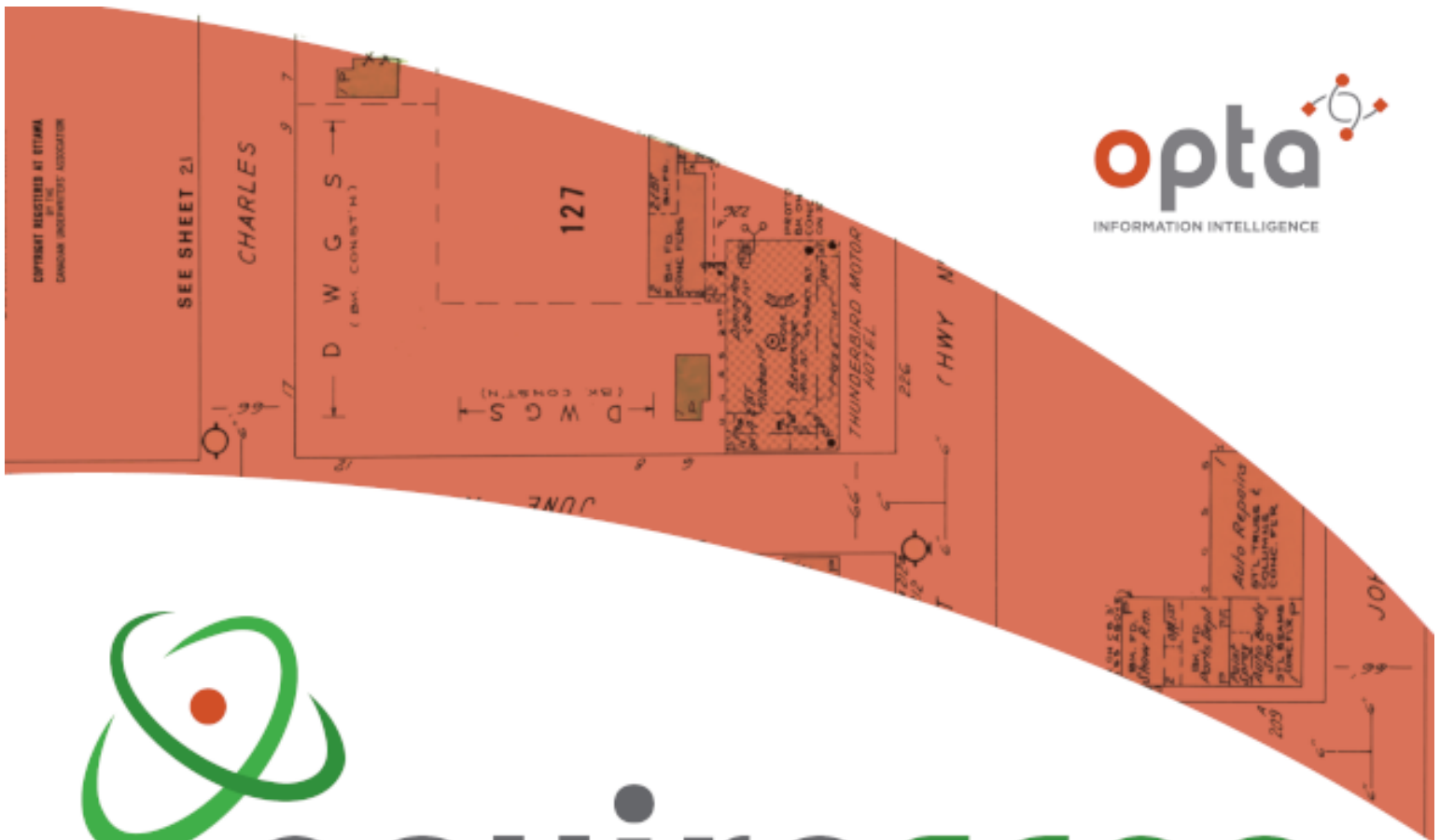




## **APPENDIX D**

### Fire Insurance Plans and Reports





# enviroscan



175 Commerce Valley Drive W  
Markham, Ontario L3T 7Z3

T: 1 877 244 9437  
W: optaintel.ca

Midori

**Site Address:**

6158 Rideau Valley Drive, Manotick, ON

**Project No:**  
23121400291

**Opta Order ID:**

138243

**Requested by:**  
Eleanor Goolab  
ERIS

**Date Completed:**  
12/20/2023 11:31:45 PM

Project Name: Phase One  
Environmental Site Assessment  
6158 Rideau Valley Drive  
Project #: 23121400291  
P.O. #: 100011.082

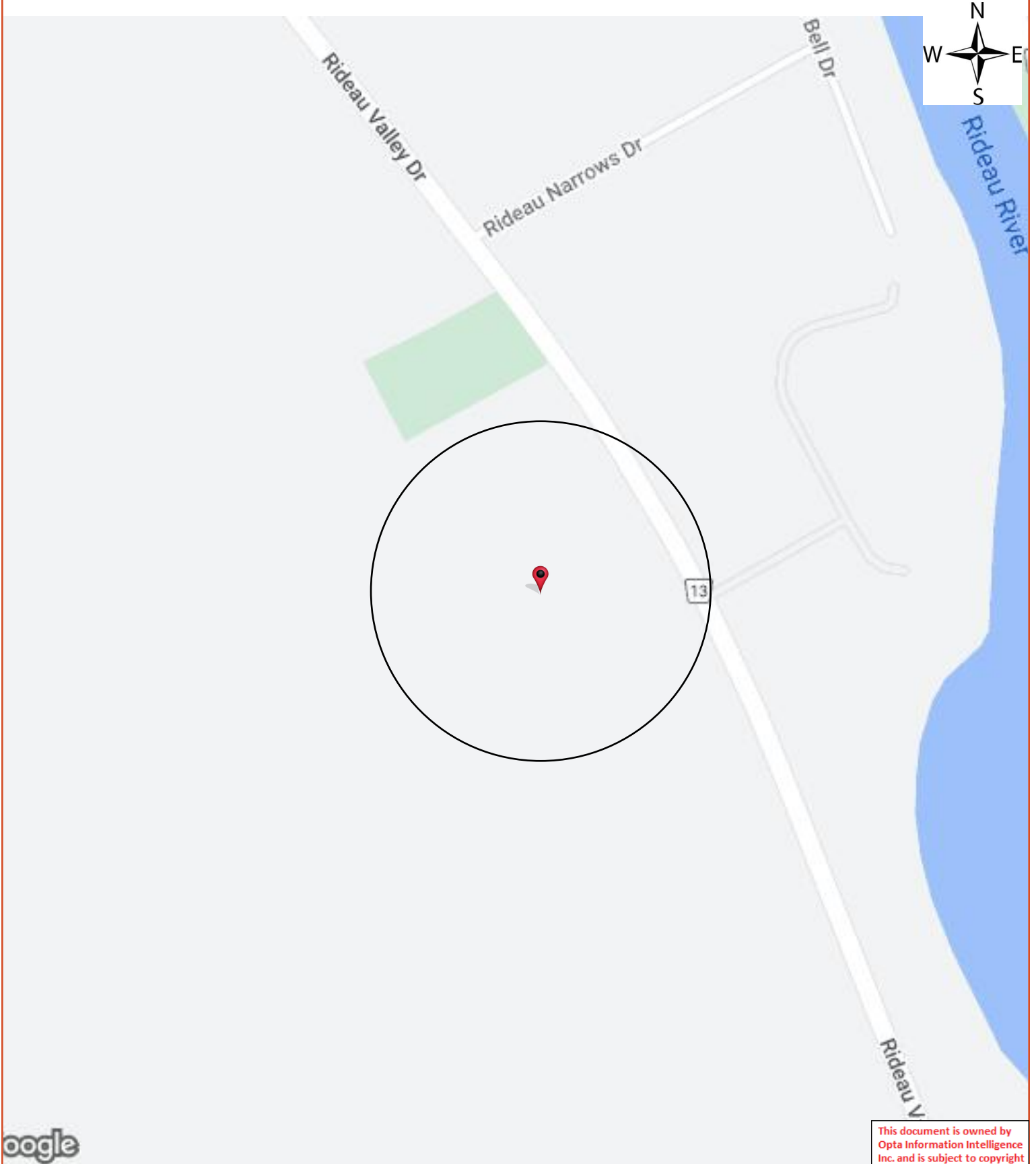
Search Area: 6158 Rideau Valley Drive, Manotick,  
ON

Requested by:  
Eleanor Goolab

Date Completed: 12/20/2023 23:31:45



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# 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: 12/20/2023 23:31:45



OPTA INFORMATION INTELLIGENCE

No Records Found





## **APPENDIX E**

### ERIS Report



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# DATABASE REPORT

**Project Property:** *Phase One Environmental Site Assessment  
- 6158 Rideau Valley Drive  
6158 Rideau Valley Dr  
Manotick ON K4M 1B3*

**Project No:** *100011.082*

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

**Order No:** *23121400291*

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

**Date Completed:** *December 19, 2023*

**Environmental Risk Information Services**

*A division of Glacier Media Inc.*

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# Executive Summary

## **Property Information:**

**Project Property:** *Phase One Environmental Site Assessment - 6158 Rideau Valley Drive  
6158 Rideau Valley Dr Manotick ON K4M 1B3*

**Project No:** 100011.082

## **Order Information:**

**Order No:** 23121400291  
**Date Requested:** December 14, 2023  
**Requested by:** GEMTEC Consulting Engineers and Scientists Limited (Ontario)  
**Report Type:** Quote - Custom-Build Your Own Report

## **Historical/Products:**

**Aerial Photographs** *Aerials - National Collection*  
**City Directory Search** *CD - QUOTE Custom City Directory Search*  
**ERIS Xplorer** [ERIS Xplorer](#)  
**Insurance Products** *Fire Insurance Maps/Inspection Reports/Site Plans*



## 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                       | 5                         | 5            |
| 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               | 1                       | 0                         | 1            |
| 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                       | 0                         | 0            |
| 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            |
| NPR2            | <i>National Pollutant Release Inventory 1993-2020</i>                | Y               | 0                       | 0                         | 0            |
| NPRI            | <i>National Pollutant Release Inventory - Historic</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            |
| PFCH            | <i>NPRI Reporters - PFAS Substances</i>                              | Y               | 0                       | 0                         | 0            |
| PFHA            | <i>Potential PFAS Handlers from NPRI</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               | 8                       | 17                        | 25           |

| <i>Database</i> | <i>Name</i> | <i>Searched</i> | <i>Project<br/>Property</i> | <i>Boundary<br/>to 0.25km</i> | <i>Total</i> |
|-----------------|-------------|-----------------|-----------------------------|-------------------------------|--------------|
|                 |             | <b>Total:</b>   | 9                           | 22                            | 31           |

## 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> | EASR      | MILLERS TRUCKING AND EXCAVATION LTD. | 6158 Rideau Valley DR N<br>Manotick ON K4M 1B3  | WSW/0.0             | -0.88                | <a href="#">18</a> |
| <a href="#">2</a> | WWIS      |                                      | 6158 RIDEAU VALLEY DRIVE NORTH lot<br>6 con A<br>MANOTICK ON<br><b>Well ID:</b> 1536170 | WSW/0.0             | -2.00                | <a href="#">18</a> |
| <a href="#">3</a> | WWIS      |                                      | 6158 RIDEAU VALLEY DR lot 3 con A<br>ON<br><b>Well ID:</b> 1536171                      | ENE/0.0             | -2.00                | <a href="#">20</a> |
| <a href="#">4</a> | WWIS      |                                      | lot 13 con A<br>ON<br><b>Well ID:</b> 1521734   | WSW/0.0             | -1.00                | <a href="#">27</a> |
| <a href="#">4</a> | WWIS      |                                      | lot 13 con A<br>ON<br><b>Well ID:</b> 1522072   | WSW/0.0             | -1.00                | <a href="#">30</a> |
| <a href="#">4</a> | WWIS      |                                      | lot 13 con A<br>ON<br><b>Well ID:</b> 1525070   | WSW/0.0             | -1.00                | <a href="#">34</a> |
| <a href="#">4</a> | WWIS      |                                      | lot 13 con A<br>ON<br><b>Well ID:</b> 1526270   | WSW/0.0             | -1.00                | <a href="#">38</a> |
| <a href="#">4</a> | WWIS      |                                      | lot 13 con A<br>ON<br><b>Well ID:</b> 1527456   | WSW/0.0             | -1.00                | <a href="#">41</a> |

| <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="#">4</a> | WWIS      |                          | lot 13 con A<br>ON<br><br><i>Well ID:</i> 1529962 | WSW/0.0             | -1.00                | <a href="#">46</a> |

## Executive Summary: Site Report Summary - Surrounding Properties

| <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="#">5</a>  | WWIS      |                          | 6168 BIDEAU VALLEY DR<br>MANOTICK ON<br><i>Well ID:</i> 7189206 | ENE/69.2            | -2.00                | <a href="#">50</a> |
| <a href="#">6</a>  | BORE      |                          | ON  | NE/84.6             | -2.00                | <a href="#">52</a> |
| <a href="#">7</a>  | BORE      |                          | ON  | SW/109.3            | -2.69                | <a href="#">53</a> |
| <a href="#">8</a>  | WWIS      |                          | lot 12<br>ON<br><i>Well ID:</i> 1513228                         | NE/170.3            | -1.00                | <a href="#">55</a> |
| <a href="#">9</a>  | WWIS      |                          | lot 14 con A<br>ON<br><i>Well ID:</i> 1532322                   | SW/188.3            | -3.00                | <a href="#">59</a> |
| <a href="#">10</a> | WWIS      |                          | lot 14 con A<br>ON<br><i>Well ID:</i> 1530270                   | SW/190.0            | -3.00                | <a href="#">63</a> |
| <a href="#">10</a> | WWIS      |                          | lot 14 con A<br>ON<br><i>Well ID:</i> 1518861                   | SW/190.0            | -3.00                | <a href="#">67</a> |
| <a href="#">10</a> | WWIS      |                          | lot 14 con A<br>ON<br><i>Well ID:</i> 1523401                   | SW/190.0            | -3.00                | <a href="#">71</a> |
| <a href="#">11</a> | BORE      |                          | ON  | ENE/190.6           | -6.05                | <a href="#">75</a> |
| <a href="#">12</a> | WWIS      |                          | lot 12 con A<br>ON<br><i>Well ID:</i> 1530223                   | W/206.0             | 3.00                 | <a href="#">76</a> |
| <a href="#">12</a> | WWIS      |                          | lot 12 con A<br>ON<br><i>Well ID:</i> 1518857                   | W/206.0             | 3.00                 | <a href="#">80</a> |
| <a href="#">12</a> | WWIS      |                          | lot 12 con A<br>ON  | W/206.0             | 3.00                 | <a href="#">84</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> 1519757 |                     |                      |                            |
| <a href="#"><u>12</u></a> | WWIS      |                          | lot 12 con A<br>ON      | W/206.0             | 3.00                 | <a href="#"><u>88</u></a>  |
|                           |           |                          | <b>Well ID:</b> 1524763 |                     |                      |                            |
| <a href="#"><u>12</u></a> | WWIS      |                          | lot 12 con A<br>ON      | W/206.0             | 3.00                 | <a href="#"><u>92</u></a>  |
|                           |           |                          | <b>Well ID:</b> 1524899 |                     |                      |                            |
| <a href="#"><u>12</u></a> | WWIS      |                          | lot 12 con A<br>ON      | W/206.0             | 3.00                 | <a href="#"><u>96</u></a>  |
|                           |           |                          | <b>Well ID:</b> 1525180 |                     |                      |                            |
| <a href="#"><u>12</u></a> | WWIS      |                          | lot 12 con A<br>ON      | W/206.0             | 3.00                 | <a href="#"><u>100</u></a> |
|                           |           |                          | <b>Well ID:</b> 1528164 |                     |                      |                            |
| <a href="#"><u>13</u></a> | WWIS      |                          | lot 12 con A<br>ON      | W/209.2             | 3.00                 | <a href="#"><u>103</u></a> |
|                           |           |                          | <b>Well ID:</b> 1533585 |                     |                      |                            |
| <a href="#"><u>14</u></a> | WWIS      |                          | lot 12<br>ON            | NE/210.5            | -1.00                | <a href="#"><u>107</u></a> |
|                           |           |                          | <b>Well ID:</b> 1528576 |                     |                      |                            |
| <a href="#"><u>15</u></a> | WWIS      |                          | lot 12<br>ON            | NE/213.0            | -1.00                | <a href="#"><u>111</u></a> |
|                           |           |                          | <b>Well ID:</b> 1531416 |                     |                      |                            |
| <a href="#"><u>16</u></a> | BORE      |                          | ON                      | E/222.9             | -2.00                | <a href="#"><u>115</u></a> |
| <a href="#"><u>17</u></a> | WWIS      |                          | lot 14<br>ON            | E/223.0             | -2.00                | <a href="#"><u>117</u></a> |
|                           |           |                          | <b>Well ID:</b> 1506568 |                     |                      |                            |
| <a href="#"><u>18</u></a> | BORE      |                          | ON                      | ENE/227.4           | -6.05                | <a href="#"><u>120</u></a> |

# Executive Summary: Summary By Data Source

## **BORE - Borehole**

A search of the BORE database, dated 1875-Jul 2018 has found that there are 5 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                    | 84.6                       | <a href="#"><u>6</u></a>  |
|                    | ON                    | 109.3                      | <a href="#"><u>7</u></a>  |
|                    | ON                    | 190.6                      | <a href="#"><u>11</u></a> |
|                    | ON                    | 222.9                      | <a href="#"><u>16</u></a> |
|                    | ON                    | 227.4                      | <a href="#"><u>18</u></a> |

## **EASR - Environmental Activity and Sector Registry**

A search of the EASR database, dated Oct 2011- Oct 31, 2023 has found that there are 1 EASR 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>    |
|--------------------------------------|--|----------------------------|--------------------------|
| MILLERS TRUCKING AND EXCAVATION LTD. | 6158 Rideau Valley DR N<br>Manotick ON K4M 1B3 | 0.0                        | <a href="#"><u>1</u></a> |

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

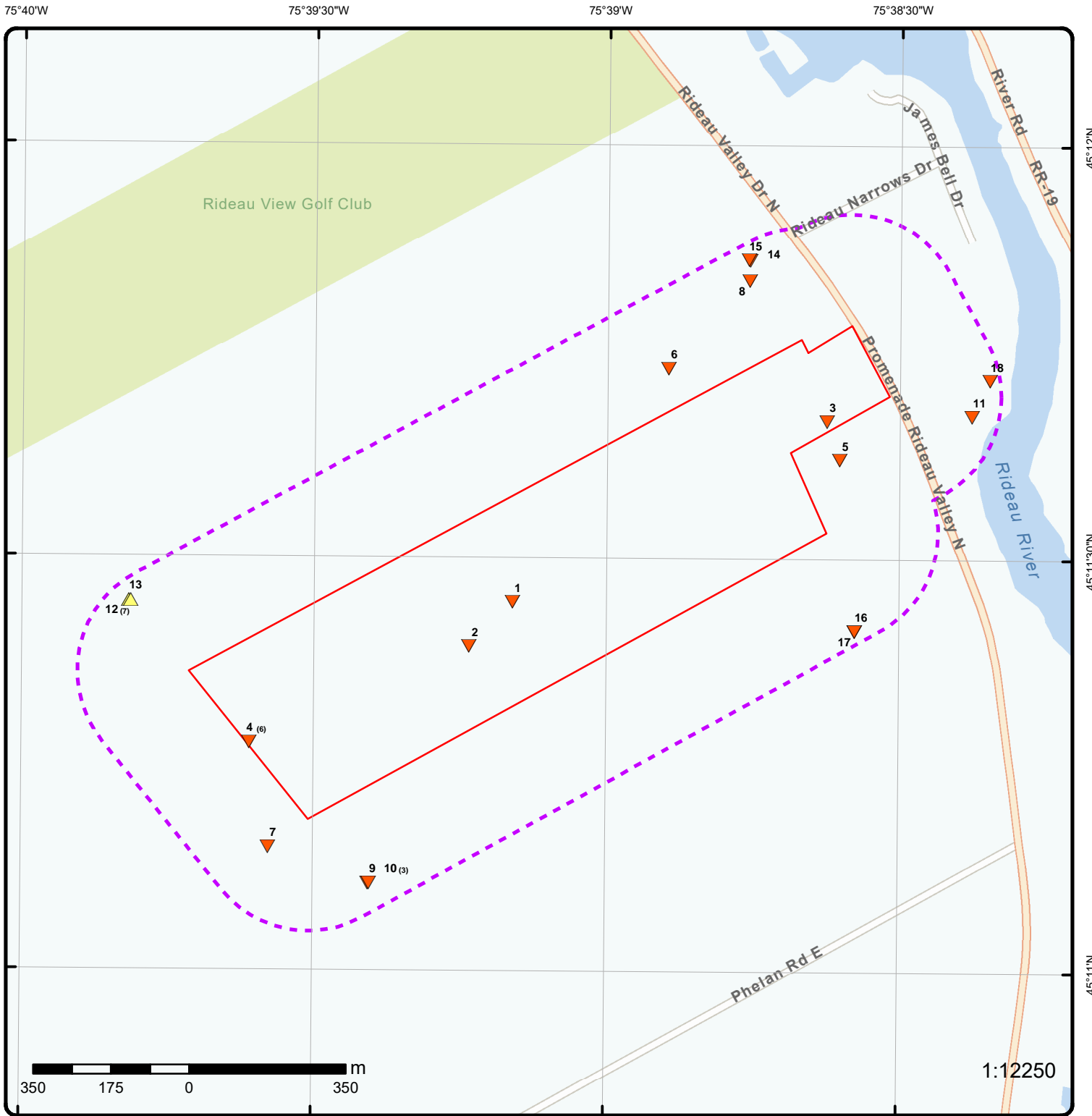
A search of the WWIS database, dated Mar 31 2023 has found that there are 25 WWIS site(s) within approximately 0.25 kilometers of the project property.



| <u>Site</u> | <u>Address</u>  | <u>Distance (m)</u> | <u>Map Key</u>            |
|-------------|---|---------------------|---------------------------|
|             | 6158 RIDEAU VALLEY DRIVE NORTH lot 6<br>con A<br>MANOTICK ON<br><i>Well ID:</i> 1536170 | 0.0                 | <a href="#"><u>2</u></a>  |
|             | 6158 RIDEAU VALLEY DR lot 3 con A<br>ON<br><i>Well ID:</i> 1536171                      | 0.0                 | <a href="#"><u>3</u></a>  |
|             | lot 13 con A<br>ON<br><i>Well ID:</i> 1529962   | 0.0                 | <a href="#"><u>4</u></a>  |
|             | lot 13 con A<br>ON<br><i>Well ID:</i> 1527456   | 0.0                 | <a href="#"><u>4</u></a>  |
|             | lot 13 con A<br>ON<br><i>Well ID:</i> 1526270   | 0.0                 | <a href="#"><u>4</u></a>  |
|             | lot 13 con A<br>ON<br><i>Well ID:</i> 1525070   | 0.0                 | <a href="#"><u>4</u></a>  |
|             | lot 13 con A<br>ON<br><i>Well ID:</i> 1522072   | 0.0                 | <a href="#"><u>4</u></a>  |
|             | lot 13 con A<br>ON<br><i>Well ID:</i> 1521734   | 0.0                 | <a href="#"><u>4</u></a>  |
|             | 6168 BIDEAU VALLEY DR<br>MANOTICK ON<br><i>Well ID:</i> 7189206                         | 69.2                | <a href="#"><u>5</u></a>  |
|             | lot 12<br>ON<br><i>Well ID:</i> 1513228   | 170.3               | <a href="#"><u>8</u></a>  |
|             | lot 14 con A<br>ON<br><i>Well ID:</i> 1532322   | 188.3               | <a href="#"><u>9</u></a>  |
|             | lot 14 con A<br>ON  | 190.0               | <a href="#"><u>10</u></a> |

| <u>Site</u> | <u>Address</u>          | <u>Distance (m)</u> | <u>Map Key</u>            |
|-------------|-------------------------|---------------------|---------------------------|
|             | <i>Well ID:</i> 1530270 |                     |                           |
|             | lot 14 con A<br>ON      | 190.0               | <a href="#"><u>10</u></a> |
|             | <i>Well ID:</i> 1518861 |                     |                           |
|             | lot 14 con A<br>ON      | 190.0               | <a href="#"><u>10</u></a> |
|             | <i>Well ID:</i> 1523401 |                     |                           |
|             | lot 12 con A<br>ON      | 206.0               | <a href="#"><u>12</u></a> |
|             | <i>Well ID:</i> 1530223 |                     |                           |
|             | lot 12 con A<br>ON      | 206.0               | <a href="#"><u>12</u></a> |
|             | <i>Well ID:</i> 1518857 |                     |                           |
|             | lot 12 con A<br>ON      | 206.0               | <a href="#"><u>12</u></a> |
|             | <i>Well ID:</i> 1519757 |                     |                           |
|             | lot 12 con A<br>ON      | 206.0               | <a href="#"><u>12</u></a> |
|             | <i>Well ID:</i> 1524763 |                     |                           |
|             | lot 12 con A<br>ON      | 206.0               | <a href="#"><u>12</u></a> |
|             | <i>Well ID:</i> 1524899 |                     |                           |
|             | lot 12 con A<br>ON      | 206.0               | <a href="#"><u>12</u></a> |
|             | <i>Well ID:</i> 1525180 |                     |                           |
|             | lot 12 con A<br>ON      | 206.0               | <a href="#"><u>12</u></a> |
|             | <i>Well ID:</i> 1528164 |                     |                           |
|             | lot 12 con A<br>ON      | 209.2               | <a href="#"><u>13</u></a> |
|             | <i>Well ID:</i> 1533585 |                     |                           |
|             | lot 12<br>ON            | 210.5               | <a href="#"><u>14</u></a> |
|             | <i>Well ID:</i> 1528576 |                     |                           |

| <u>Site</u> | <u>Address</u>                              | <u>Distance (m)</u> | <u>Map Key</u>     |
|-------------|---|---------------------|--------------------|
|             | lot 12<br>ON<br><br><i>Well ID:</i> 1531416 | 213.0               | <a href="#">15</a> |
|             | lot 14<br>ON<br><br><i>Well ID:</i> 1506568 | 223.0               | <a href="#">17</a> |



### Map: 0.25 Kilometer Radius

Order Number: 23121400291  
 Address: 6158 Rideau Valley Dr, Manotick, ON



|                                   |                                    |                    |                        |
|-----------------------------------|------------------------------------|--------------------|------------------------|
| Project Property                  | Freeways; Highways                 | Beach              | Shopping & Sports Area |
| Buffer Outline                    | Traffic Circle; Ramp               | Airport            | University/College     |
| Eris Sites with Higher Elevation  | Major Arterial; Minor Arterial     | Industrial Area    | Cemetery; Golf Course  |
| Eris Sites with Same Elevation    | Local Road                         | Military Base      | Parkt (National)       |
| Eris Sites with Lower Elevation   | Service Road; Traffic Circle; Ramp | Aircraft Roads     | Park (City/County)     |
| Eris Sites with Unknown Elevation | Rail                               | Native Reservation |                        |
|                                   |                                    | Hospital           |                        |



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

**Aerial** Year: 2023

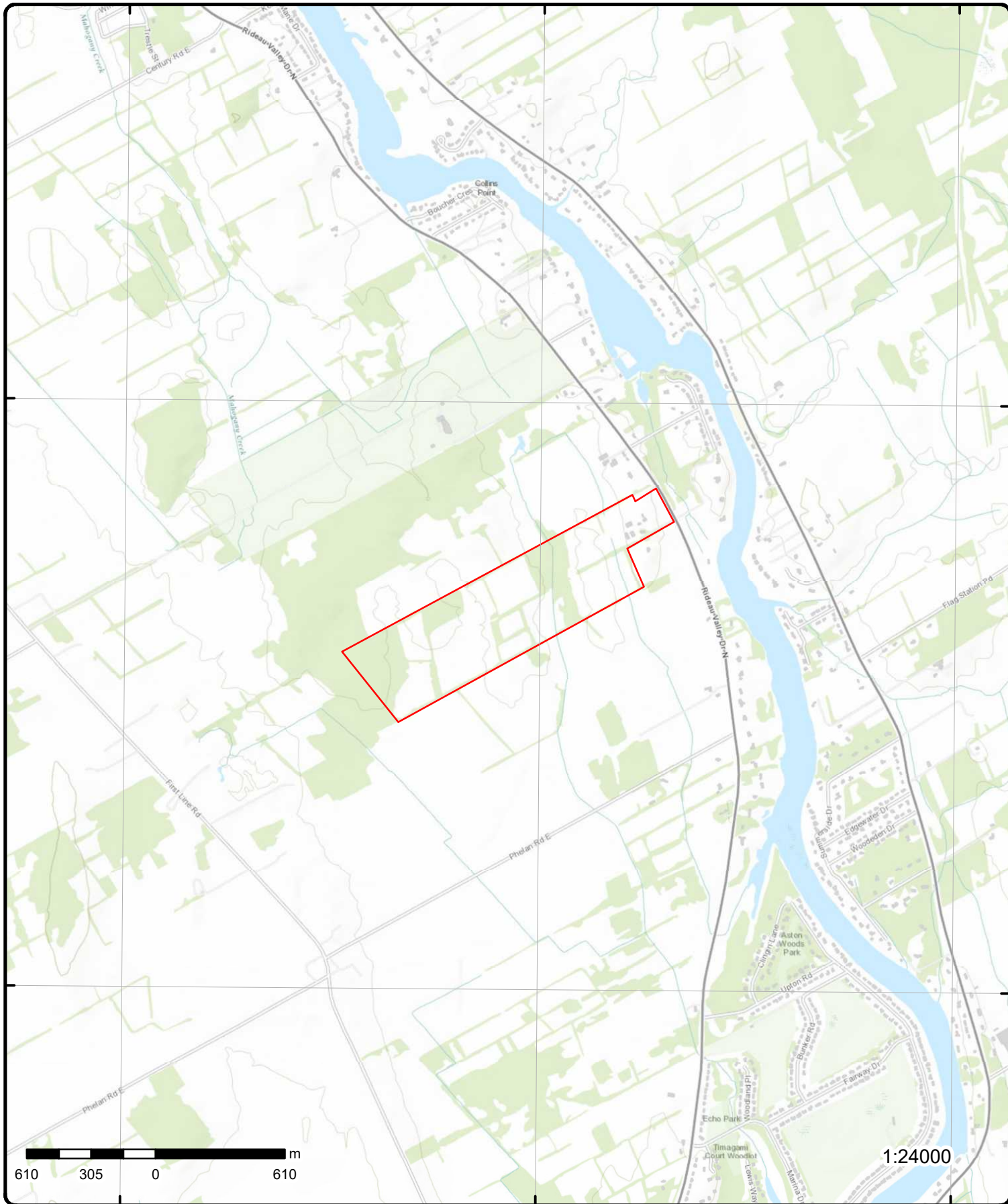
Order Number: 23121400291

**Address: 6158 Rideau Valley Dr, Manotick, ON**



Source: ESRI World Imagery

© ERIS Information Limited Partnership



# Topographic Map

Address: 6158 Rideau Valley Dr, ON

Source: ESRI World Topographic Map

Order Number: 23121400291



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# Detail Report

| Map Key   | Number of Records | Direction/<br>Distance (m)   | Elev/Diff<br>(m) | Site  | DB          |
|---|-------------------|--|------------------|---|-------------|
| <a href="#"><u>1</u></a>  | 1 of 1            | WSW/0.0  | 91.0 / -0.88     | <b>MILLERS TRUCKING AND EXCAVATION LTD.</b><br>6158 Rideau Valley DR N<br>Manotick ON K4M 1B3 | <b>EASR</b> |
| <b>Approval No:</b> R-004-4112754100<br><b>Status:</b> REGISTERED<br><b>Date:</b> 2020-12-16<br><b>Record Type:</b> EASR<br><b>Link Source:</b> MOFA<br><b>Project Type:</b> Waste Management System<br><b>Full Address:</b><br><b>Approval Type:</b> EASR-Waste Management System<br><b>SWP Area Name:</b> Rideau Valley<br><b>PDF URL:</b><br><b>PDF Site Location:</b> |                   | <b>MOE District:</b> Ottawa<br><b>Municipality:</b> Manotick<br><b>Latitude:</b> 45.19111111<br><b>Longitude:</b> -75.65194444<br><b>Geometry X:</b><br><b>Geometry Y:</b> |                  |   |             |

|   |        |   |              |   |             |
|---|--------|---|--------------|---|-------------|
| <a href="#"><u>2</u></a>  | 1 of 1 | WSW/0.0   | 89.9 / -2.00 | <b>6158 RIDEAU VALLEY DRIVE NORTH lot 6 con A</b><br><b>MANOTICK ON</b> | <b>WWIS</b> |
| <b>Well ID:</b> 1536170<br><b>Construction Date:</b><br><b>Use 1st:</b><br><b>Use 2nd:</b><br><b>Final Well Status:</b><br><b>Water Type:</b><br><b>Casing Material:</b><br><b>Audit No:</b> Z39219<br><b>Tag:</b><br><b>Constructn Method:</b><br><b>Elevation (m):</b><br><b>Elevatn Reliabilty:</b><br><b>Depth to Bedrock:</b><br><b>Well Depth:</b><br><b>Overburden/Bedrock:</b><br><b>Pump Rate:</b><br><b>Static Water Level:</b><br><b>Clear/Cloudy:</b><br><b>Municipality:</b> NORTH GOWER TOWNSHIP<br><b>Site Info:</b> |        | <b>Flowing (Y/N):</b><br><b>Flow Rate:</b><br><b>Data Entry Status:</b><br><b>Data Src:</b><br><b>Date Received:</b> 01/13/2006<br><b>Selected Flag:</b> TRUE<br><b>Abandonment Rec:</b> Yes<br><b>Contractor:</b> 1558<br><b>Form Version:</b> 3<br><b>Owner:</b><br><b>County:</b> OTTAWA-CARLETON<br><b>Lot:</b> 006<br><b>Concession:</b> A<br><b>Concession Name:</b> BF<br><b>Easting NAD83:</b><br><b>Northing NAD83:</b><br><b>Zone:</b><br><b>UTM Reliability:</b> |              |   |             |
| <b>PDF URL (Map):</b>   |        | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536170.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536170.pdf</a>   |              |   |             |
| <b><u>Additional Detail(s) (Map)</u></b>  |        |   |              |   |             |
| <b>Well Completed Date:</b>   |        | 11/20/2005  |              |   |             |
| <b>Year Completed:</b>  |        | 2005  |              |   |             |
| <b>Depth (m):</b>   |        |   |              |   |             |
| <b>Latitude:</b>  |        | 45.1948544215201  |              |   |             |
| <b>Longitude:</b>   |        | -75.6386565859005   |              |   |             |
| <b>Path:</b>  |        | 153\1536170.pdf   |              |   |             |

**Bore Hole Information**

| Map Key  | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                    | DB                          |
|--|---------------------|----------------------------|------------------|-------------------------|-----------------------------|
| <b>Bore Hole ID:</b>                                   | 11550236            |                            |                  | <b>Elevation:</b>       |                             |
| <b>DP2BR:</b>  |                     |                            |                  | <b>Elevrc:</b>          |                             |
| <b>Spatial Status:</b>                                 |                     |                            |                  | <b>Zone:</b>            | 18                          |
| <b>Code OB:</b>  |                     |                            |                  | <b>East83:</b>          | 449835.00                   |
| <b>Code OB Desc:</b>                                   |                     |                            |                  | <b>North83:</b>         | 5004795.00                  |
| <b>Open Hole:</b>                                      |                     |                            |                  | <b>Org CS:</b>          | UTM83                       |
| <b>Cluster Kind:</b>                                   |                     |                            |                  | <b>UTMRC:</b>           | 3                           |
| <b>Date Completed:</b>                                 | 11/20/2005          |                            |                  | <b>UTMRC Desc:</b>      | margin of error : 10 - 30 m |
| <b>Remarks:</b>  |                     |                            |                  | <b>Location Method:</b> | wwr                         |
| <b>Loc Method Desc:</b>                                |                     | on Water Well Record       |                  |                         |                             |
| <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>Annular Space/Abandonment Sealing Record</u></b> |                     |                            |                  |                         |                             |
| <b>Plug ID:</b>  | 933294852           |                            |                  |                         |                             |
| <b>Layer:</b>  | 2                   |                            |                  |                         |                             |
| <b>Plug From:</b>                                      | 2.130000114440918   |                            |                  |                         |                             |
| <b>Plug To:</b>  | 0.30000001192092896 |                            |                  |                         |                             |
| <b>Plug Depth UOM:</b>                                 | m                   |                            |                  |                         |                             |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                     |                            |                  |                         |                             |
| <b>Plug ID:</b>  | 933294851           |                            |                  |                         |                             |
| <b>Layer:</b>  | 1                   |                            |                  |                         |                             |
| <b>Plug From:</b>                                      | 19.5                |                            |                  |                         |                             |
| <b>Plug To:</b>  | 2.130000114440918   |                            |                  |                         |                             |
| <b>Plug Depth UOM:</b>                                 | m                   |                            |                  |                         |                             |
| <b><u>Method of Construction &amp; Well Use</u></b>    |                     |                            |                  |                         |                             |
| <b>Method Construction ID:</b>                         | 961536170           |                            |                  |                         |                             |
| <b>Method Construction Code:</b>                       |                     |                            |                  |                         |                             |
| <b>Method Construction:</b>                            |                     |                            |                  |                         |                             |
| <b>Other Method Construction:</b>                      |                     |                            |                  |                         |                             |
| <b><u>Pipe Information</u></b>                         |                     |                            |                  |                         |                             |
| <b>Pipe ID:</b>  | 11559843            |                            |                  |                         |                             |
| <b>Casing No:</b>                                      | 1                   |                            |                  |                         |                             |
| <b>Comment:</b>  |                     |                            |                  |                         |                             |
| <b>Alt Name:</b>                                       |                     |                            |                  |                         |                             |
| <b><u>Links</u></b>                                    |                     |                            |                  |                         |                             |
| <b>Bore Hole ID:</b>                                   | 11550236            |                            |                  | <b>Tag No:</b>          |                             |
| <b>Depth M:</b>  |                     |                            |                  | <b>Contractor:</b>      | 1558                        |
| <b>Year Completed:</b>                                 | 2005                |                            |                  | <b>Latitude:</b>        | 45.1948544215201            |
| <b>Well Completed Dt:</b>                              | 11/20/2005          |                            |                  | <b>Longitude:</b>       | -75.6386565859005           |
| <b>Audit No:</b>                                       | Z39219              |                            |                  | <b>Y:</b>               | 45.19485441473414           |
| <b>Path:</b>   | 153\1536170.pdf     |                            |                  | <b>X:</b>               | -75.63865642490836          |



| Map Key  | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                                    | DB   |
|----------|-------------------|----------------------------|------------------|---|------|
| <u>3</u> | 1 of 1            | ENE/0.0                    | 89.9 / -2.00     | 6158 RIDEAU VALLEY DR lot 3 con A<br>ON | WWIS |

|                            |                      |                           |                 |
|----------------------------|----------------------|---------------------------|-----------------|
| <b>Well ID:</b>            | 1536171              | <b>Flowing (Y/N):</b>     |                 |
| <b>Construction Date:</b>  |                      | <b>Flow Rate:</b>         |                 |
| <b>Use 1st:</b>            | Domestic             | <b>Data Entry Status:</b> |                 |
| <b>Use 2nd:</b>            |                      | <b>Data Src:</b>          |                 |
| <b>Final Well Status:</b>  | Water Supply         | <b>Date Received:</b>     | 01/13/2006      |
| <b>Water Type:</b>         |                      | <b>Selected Flag:</b>     | TRUE            |
| <b>Casing Material:</b>    |                      | <b>Abandonment Rec:</b>   |                 |
| <b>Audit No:</b>           | Z39206               | <b>Contractor:</b>        | 1558            |
| <b>Tag:</b>                | A025676              | <b>Form Version:</b>      | 3               |
| <b>Constructn Method:</b>  |                      | <b>Owner:</b>             |                 |
| <b>Elevation (m):</b>      |                      | <b>County:</b>            | OTTAWA-CARLETON |
| <b>Elevatn Reliabilty:</b> |                      | <b>Lot:</b>               | 003             |
| <b>Depth to Bedrock:</b>   |                      | <b>Concession:</b>        | A               |
| <b>Well Depth:</b>         |                      | <b>Concession Name:</b>   |                 |
| <b>Overburden/Bedrock:</b> |                      | <b>Easting NAD83:</b>     |                 |
| <b>Pump Rate:</b>          |                      | <b>Northing NAD83:</b>    |                 |
| <b>Static Water Level:</b> |                      | <b>Zone:</b>              |                 |
| <b>Clear/Cloudy:</b>       |                      | <b>UTM Reliability:</b>   |                 |
| <b>Municipality:</b>       | NORTH GOWER TOWNSHIP |                           |                 |
| <b>Site Info:</b>          |                      |                           |                 |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/153\1536171.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536171.pdf)

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

**Well Completed Date:** 11/20/2005  
**Year Completed:** 2005  
**Depth (m):** 75.58  
**Latitude:** 45.1944477882825  
**Longitude:** -75.6437444498891  
**Path:** 153\1536171.pdf

**Bore Hole Information**

|                                     |                      |                         |                             |
|-------------------------------------|----------------------|-------------------------|-----------------------------|
| <b>Bore Hole ID:</b>                | 11550237             | <b>Elevation:</b>       |                             |
| <b>DP2BR:</b>                       |                      | <b>Elevrc:</b>          |                             |
| <b>Spatial Status:</b>              |                      | <b>Zone:</b>            | 18                          |
| <b>Code OB:</b>                     |                      | <b>East83:</b>          | 449435.00                   |
| <b>Code OB Desc:</b>                |                      | <b>North83:</b>         | 5004753.00                  |
| <b>Open Hole:</b>                   |                      | <b>Org CS:</b>          | UTM83                       |
| <b>Cluster Kind:</b>                |                      | <b>UTMRC:</b>           | 3                           |
| <b>Date Completed:</b>              | 11/20/2005           | <b>UTMRC Desc:</b>      | margin of error : 10 - 30 m |
| <b>Remarks:</b>                     |                      | <b>Location Method:</b> | wwr                         |
| <b>Loc Method Desc:</b>             | on Water Well Record |                         |                             |
| <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:** 933055857  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND

| <b>Map Key</b>                                  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Mat2:</b>                                    |                          | 02                                 |                          |             |           |
| <b>Mat2 Desc:</b>                               |                          | TOPSOIL                            |                          |             |           |
| <b>Mat3:</b>                                    |                          | 13                                 |                          |             |           |
| <b>Mat3 Desc:</b>                               |                          | BOULDERS                           |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 0.0                                |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 3.6500000953674316                 |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 933055860                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 4                                  |                          |             |           |
| <b>Color:</b>                                   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                           |                          | GREY                               |                          |             |           |
| <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>                     |                          | 27.700000762939453                 |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 75.58000183105469                  |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 933055858                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 2                                  |                          |             |           |
| <b>Color:</b>                                   |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                           |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>                                    |                          | 14                                 |                          |             |           |
| <b>Most Common Material:</b>                    |                          | HARDPAN                            |                          |             |           |
| <b>Mat2:</b>                                    |                          |                                    |                          |             |           |
| <b>Mat2 Desc:</b>                               |                          |                                    |                          |             |           |
| <b>Mat3:</b>                                    |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                               |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 3.6500000953674316                 |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 6.699999809265137                  |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 933055859                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 3                                  |                          |             |           |
| <b>Color:</b>                                   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                           |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>                                    |                          | 28                                 |                          |             |           |
| <b>Most Common Material:</b>                    |                          | SAND                               |                          |             |           |
| <b>Mat2:</b>                                    |                          | 05                                 |                          |             |           |
| <b>Mat2 Desc:</b>                               |                          | CLAY                               |                          |             |           |
| <b>Mat3:</b>                                    |                          | 13                                 |                          |             |           |
| <b>Mat3 Desc:</b>                               |                          | BOULDERS                           |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 6.699999809265137                  |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 27.700000762939453                 |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Method of Construction &amp; Well</u></b> |                          |                                    |                          |             |           |
| <b><u>Use</u></b>                               |                          |                                    |                          |             |           |

| <b>Map Key</b>                                       | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|--|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Method Construction ID:</b> 961536171             |                          |                                    |                          |             |           |
| <b>Method Construction Code:</b> 4                   |                          |                                    |                          |             |           |
| <b>Method Construction:</b> Rotary (Air)             |                          |                                    |                          |             |           |
| <b>Other Method Construction:</b>                    |                          |                                    |                          |             |           |
| <br><b><u>Pipe Information</u></b>                   |                          |                                    |                          |             |           |
| <b>Pipe ID:</b> 11559844                             |                          |                                    |                          |             |           |
| <b>Casing No:</b> 1                                  |                          |                                    |                          |             |           |
| <b>Comment:</b>                                      |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                     |                          |                                    |                          |             |           |
| <br><b><u>Construction Record - Casing</u></b>       |                          |                                    |                          |             |           |
| <b>Casing ID:</b> 930880738                          |                          |                                    |                          |             |           |
| <b>Layer:</b> 1                                      |                          |                                    |                          |             |           |
| <b>Material:</b> 1                                   |                          |                                    |                          |             |           |
| <b>Open Hole or Material:</b> STEEL                  |                          |                                    |                          |             |           |
| <b>Depth From:</b> 0.44999998807907104               |                          |                                    |                          |             |           |
| <b>Depth To:</b> 28.639999389648438                  |                          |                                    |                          |             |           |
| <b>Casing Diameter:</b> 15.859999656677246           |                          |                                    |                          |             |           |
| <b>Casing Diameter UOM:</b> cm                       |                          |                                    |                          |             |           |
| <b>Casing Depth UOM:</b> m                           |                          |                                    |                          |             |           |
| <br><b><u>Construction Record - Casing</u></b>       |                          |                                    |                          |             |           |
| <b>Casing ID:</b> 930880739                          |                          |                                    |                          |             |           |
| <b>Layer:</b> 2                                      |                          |                                    |                          |             |           |
| <b>Material:</b> 4                                   |                          |                                    |                          |             |           |
| <b>Open Hole or Material:</b> OPEN HOLE              |                          |                                    |                          |             |           |
| <b>Depth From:</b> 28.639999389648438                |                          |                                    |                          |             |           |
| <b>Depth To:</b> 75.58000183105469                   |                          |                                    |                          |             |           |
| <b>Casing Diameter:</b>                              |                          |                                    |                          |             |           |
| <b>Casing Diameter UOM:</b> cm                       |                          |                                    |                          |             |           |
| <b>Casing Depth UOM:</b> m                           |                          |                                    |                          |             |           |
| <br><b><u>Results of Well Yield Testing</u></b>      |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b> PUMP                |                          |                                    |                          |             |           |
| <b>Pump Test ID:</b> 11569327                        |                          |                                    |                          |             |           |
| <b>Pump Set At:</b> 45.93000030517578                |                          |                                    |                          |             |           |
| <b>Static Level:</b> 9.069999694824219               |                          |                                    |                          |             |           |
| <b>Final Level After Pumping:</b> 15.970000267028809 |                          |                                    |                          |             |           |
| <b>Recommended Pump Depth:</b> 30.469999313354492    |                          |                                    |                          |             |           |
| <b>Pumping Rate:</b> 45.5                            |                          |                                    |                          |             |           |
| <b>Flowing Rate:</b>                                 |                          |                                    |                          |             |           |
| <b>Recommended Pump Rate:</b> 45.5                   |                          |                                    |                          |             |           |
| <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> 1                        |                          |                                    |                          |             |           |
| <b>Pumping Duration HR:</b> 1                        |                          |                                    |                          |             |           |
| <b>Pumping Duration MIN:</b>                         |                          |                                    |                          |             |           |
| <b>Flowing:</b>                                      |                          |                                    |                          |             |           |
| <br><b><u>Draw Down &amp; Recovery</u></b>           |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b> 11619541                 |                          |                                    |                          |             |           |
| <b>Test Type:</b> Recovery                           |                          |                                    |                          |             |           |
| <b>Test Duration:</b> 1                              |                          |                                    |                          |             |           |
| <b>Test Level:</b> 13.40999984741211                 |                          |                                    |                          |             |           |

| <i>Map Key</i>                         | <i>Number of Records</i> | <i>Direction/<br/>Distance (m)</i> | <i>Elev/Diff<br/>(m)</i> | <i>Site</i> | <i>DB</i> |
|--|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <i>Test Level UOM:</i>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <i>Pump Test Detail ID:</i>            |                          | 11619552                           |                          |             |           |
| <i>Test Type:</i>                      |                          | Draw Down                          |                          |             |           |
| <i>Test Duration:</i>                  |                          | 15                                 |                          |             |           |
| <i>Test Level:</i>                     |                          | 14.789999961853027                 |                          |             |           |
| <i>Test Level UOM:</i>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <i>Pump Test Detail ID:</i>            |                          | 11619559                           |                          |             |           |
| <i>Test Type:</i>                      |                          | Recovery                           |                          |             |           |
| <i>Test Duration:</i>                  |                          | 30                                 |                          |             |           |
| <i>Test Level:</i>                     |                          | 9.130000114440918                  |                          |             |           |
| <i>Test Level UOM:</i>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <i>Pump Test Detail ID:</i>            |                          | 11619549                           |                          |             |           |
| <i>Test Type:</i>                      |                          | Recovery                           |                          |             |           |
| <i>Test Duration:</i>                  |                          | 5                                  |                          |             |           |
| <i>Test Level:</i>                     |                          | 9.5600004196167                    |                          |             |           |
| <i>Test Level UOM:</i>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <i>Pump Test Detail ID:</i>            |                          | 11619560                           |                          |             |           |
| <i>Test Type:</i>                      |                          | Draw Down                          |                          |             |           |
| <i>Test Duration:</i>                  |                          | 40                                 |                          |             |           |
| <i>Test Level:</i>                     |                          | 15.720000267028809                 |                          |             |           |
| <i>Test Level UOM:</i>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <i>Pump Test Detail ID:</i>            |                          | 11619543                           |                          |             |           |
| <i>Test Type:</i>                      |                          | Recovery                           |                          |             |           |
| <i>Test Duration:</i>                  |                          | 2                                  |                          |             |           |
| <i>Test Level:</i>                     |                          | 11.619999885559082                 |                          |             |           |
| <i>Test Level UOM:</i>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <i>Pump Test Detail ID:</i>            |                          | 11619561                           |                          |             |           |
| <i>Test Type:</i>                      |                          | Recovery                           |                          |             |           |
| <i>Test Duration:</i>                  |                          | 40                                 |                          |             |           |
| <i>Test Level:</i>                     |                          | 9.119999885559082                  |                          |             |           |
| <i>Test Level UOM:</i>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <i>Pump Test Detail ID:</i>            |                          | 11619562                           |                          |             |           |
| <i>Test Type:</i>                      |                          | Draw Down                          |                          |             |           |
| <i>Test Duration:</i>                  |                          | 50                                 |                          |             |           |
| <i>Test Level:</i>                     |                          | 15.859999656677246                 |                          |             |           |
| <i>Test Level UOM:</i>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |

| <i>Map Key</i>                         | <i>Number of Records</i> | <i>Direction/<br/>Distance (m)</i> | <i>Elev/Diff<br/>(m)</i> | <i>Site</i> | <i>DB</i> |
|--|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Pump Test Detail ID:</b>            |                          | 11581639                           |                          |             |           |
| <b>Test Type:</b>                      |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                  |                          | 60                                 |                          |             |           |
| <b>Test Level:</b>                     |                          | 9.119999885559082                  |                          |             |           |
| <b>Test Level UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>            |                          | 11619546                           |                          |             |           |
| <b>Test Type:</b>                      |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                  |                          | 4                                  |                          |             |           |
| <b>Test Level:</b>                     |                          | 13.029999732971191                 |                          |             |           |
| <b>Test Level UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>            |                          | 11619547                           |                          |             |           |
| <b>Test Type:</b>                      |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                  |                          | 4                                  |                          |             |           |
| <b>Test Level:</b>                     |                          | 9.850000381469727                  |                          |             |           |
| <b>Test Level UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>            |                          | 11619548                           |                          |             |           |
| <b>Test Type:</b>                      |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                  |                          | 5                                  |                          |             |           |
| <b>Test Level:</b>                     |                          | 13.029999732971191                 |                          |             |           |
| <b>Test Level UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>            |                          | 11619544                           |                          |             |           |
| <b>Test Type:</b>                      |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                  |                          | 3                                  |                          |             |           |
| <b>Test Level:</b>                     |                          | 62.0                               |                          |             |           |
| <b>Test Level UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>            |                          | 11619554                           |                          |             |           |
| <b>Test Type:</b>                      |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                  |                          | 20                                 |                          |             |           |
| <b>Test Level:</b>                     |                          | 15.15999984741211                  |                          |             |           |
| <b>Test Level UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>            |                          | 11619542                           |                          |             |           |
| <b>Test Type:</b>                      |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                  |                          | 2                                  |                          |             |           |
| <b>Test Level:</b>                     |                          | 11.5                               |                          |             |           |
| <b>Test Level UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>            |                          | 11619550                           |                          |             |           |
| <b>Test Type:</b>                      |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                  |                          | 10                                 |                          |             |           |

| <b>Map Key</b>                         | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|--|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Test Level:</b>                     |                          | 14.140000343322754                 |                          |             |           |
| <b>Test Level UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>            |                          | 11619551                           |                          |             |           |
| <b>Test Type:</b>                      |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                  |                          | 10                                 |                          |             |           |
| <b>Test Level:</b>                     |                          | 9.1899995803833                    |                          |             |           |
| <b>Test Level UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>            |                          | 11619555                           |                          |             |           |
| <b>Test Type:</b>                      |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                  |                          | 20                                 |                          |             |           |
| <b>Test Level:</b>                     |                          | 9.140000343322754                  |                          |             |           |
| <b>Test Level UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>            |                          | 11619557                           |                          |             |           |
| <b>Test Type:</b>                      |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                  |                          | 25                                 |                          |             |           |
| <b>Test Level:</b>                     |                          | 9.140000343322754                  |                          |             |           |
| <b>Test Level UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>            |                          | 11619558                           |                          |             |           |
| <b>Test Type:</b>                      |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                  |                          | 30                                 |                          |             |           |
| <b>Test Level:</b>                     |                          | 15.539999961853027                 |                          |             |           |
| <b>Test Level UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>            |                          | 11619563                           |                          |             |           |
| <b>Test Type:</b>                      |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                  |                          | 50                                 |                          |             |           |
| <b>Test Level:</b>                     |                          | 9.119999885559082                  |                          |             |           |
| <b>Test Level UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>            |                          | 11581638                           |                          |             |           |
| <b>Test Type:</b>                      |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                  |                          | 60                                 |                          |             |           |
| <b>Test Level:</b>                     |                          | 15.970000267028809                 |                          |             |           |
| <b>Test Level UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>            |                          | 11619553                           |                          |             |           |
| <b>Test Type:</b>                      |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                  |                          | 15                                 |                          |             |           |
| <b>Test Level:</b>                     |                          | 9.15999984741211                   |                          |             |           |
| <b>Test Level UOM:</b>                 |                          | m                                  |                          |             |           |

| <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>          |
|--|--------------------------|--------------------------------|----------------------|--------------------|--------------------|
| <u><i>Draw Down &amp; Recovery</i></u> |                          |                                |                      |                    |                    |
| <i>Pump Test Detail ID:</i>            |                          | 11619556                       |                      |                    |                    |
| <i>Test Type:</i>                      |                          | Draw Down                      |                      |                    |                    |
| <i>Test Duration:</i>                  |                          | 25                             |                      |                    |                    |
| <i>Test Level:</i>                     |                          | 15.369999885559082             |                      |                    |                    |
| <i>Test Level UOM:</i>                 |                          | m                              |                      |                    |                    |
| <u><i>Draw Down &amp; Recovery</i></u> |                          |                                |                      |                    |                    |
| <i>Pump Test Detail ID:</i>            |                          | 11619540                       |                      |                    |                    |
| <i>Test Type:</i>                      |                          | Draw Down                      |                      |                    |                    |
| <i>Test Duration:</i>                  |                          | 1                              |                      |                    |                    |
| <i>Test Level:</i>                     |                          | 10.789999961853027             |                      |                    |                    |
| <i>Test Level UOM:</i>                 |                          | m                              |                      |                    |                    |
| <u><i>Draw Down &amp; Recovery</i></u> |                          |                                |                      |                    |                    |
| <i>Pump Test Detail ID:</i>            |                          | 11619545                       |                      |                    |                    |
| <i>Test Type:</i>                      |                          | Recovery                       |                      |                    |                    |
| <i>Test Duration:</i>                  |                          | 3                              |                      |                    |                    |
| <i>Test Level:</i>                     |                          | 10.420000076293945             |                      |                    |                    |
| <i>Test Level UOM:</i>                 |                          | m                              |                      |                    |                    |
| <u><i>Water Details</i></u>            |                          |                                |                      |                    |                    |
| <i>Water ID:</i>                       |                          | 934072069                      |                      |                    |                    |
| <i>Layer:</i>                          |                          | 1                              |                      |                    |                    |
| <i>Kind Code:</i>                      |                          |                                |                      |                    |                    |
| <i>Kind:</i>                           |                          |                                |                      |                    |                    |
| <i>Water Found Depth:</i>              |                          | 20.709999084472656             |                      |                    |                    |
| <i>Water Found Depth UOM:</i>          |                          | m                              |                      |                    |                    |
| <u><i>Hole Diameter</i></u>            |                          |                                |                      |                    |                    |
| <i>Hole ID:</i>                        |                          | 11680888                       |                      |                    |                    |
| <i>Diameter:</i>                       |                          | 15.069999694824219             |                      |                    |                    |
| <i>Depth From:</i>                     |                          | 28.639999389648438             |                      |                    |                    |
| <i>Depth To:</i>                       |                          | 75.58000183105469              |                      |                    |                    |
| <i>Hole Depth UOM:</i>                 |                          | m                              |                      |                    |                    |
| <i>Hole Diameter UOM:</i>              |                          | cm                             |                      |                    |                    |
| <u><i>Hole Diameter</i></u>            |                          |                                |                      |                    |                    |
| <i>Hole ID:</i>                        |                          | 11680887                       |                      |                    |                    |
| <i>Diameter:</i>                       |                          | 22.75                          |                      |                    |                    |
| <i>Depth From:</i>                     |                          | 0.0                            |                      |                    |                    |
| <i>Depth To:</i>                       |                          | 28.639999389648438             |                      |                    |                    |
| <i>Hole Depth UOM:</i>                 |                          | m                              |                      |                    |                    |
| <i>Hole Diameter UOM:</i>              |                          | cm                             |                      |                    |                    |
| <u><i>Links</i></u>                    |                          |                                |                      |                    |                    |
| <i>Bore Hole ID:</i>                   | 11550237                 |                                |                      | <i>Tag No:</i>     | A025676            |
| <i>Depth M:</i>                        | 75.58                    |                                |                      | <i>Contractor:</i> | 1558               |
| <i>Year Completed:</i>                 | 2005                     |                                |                      | <i>Latitude:</i>   | 45.1944477882825   |
| <i>Well Completed Dt:</i>              | 11/20/2005               |                                |                      | <i>Longitude:</i>  | -75.6437444498891  |
| <i>Audit No:</i>                       | Z39206                   |                                |                      | <i>Y:</i>          | 45.194447781057704 |
| <i>Path:</i>                           | 153\1536171.pdf          |                                |                      | <i>X:</i>          | -75.64374428878864 |

| Map Key  | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site               | DB   |
|----------|-------------------|----------------------------|------------------|--------------------|------|
| <u>4</u> | 1 of 6            | WSW/0.0                    | 90.9 / -1.00     | lot 13 con A<br>ON | WWIS |

|                            |                      |                           |                 |
|----------------------------|----------------------|---------------------------|-----------------|
| <b>Well ID:</b>            | 1521734              | <b>Flowing (Y/N):</b>     |                 |
| <b>Construction Date:</b>  |                      | <b>Flow Rate:</b>         |                 |
| <b>Use 1st:</b>            | Domestic             | <b>Data Entry Status:</b> |                 |
| <b>Use 2nd:</b>            |                      | <b>Data Src:</b>          | 1               |
| <b>Final Well Status:</b>  | Water Supply         | <b>Date Received:</b>     | 08/14/1987      |
| <b>Water Type:</b>         |                      | <b>Selected Flag:</b>     | TRUE            |
| <b>Casing Material:</b>    |                      | <b>Abandonment Rec:</b>   |                 |
| <b>Audit No:</b>           | 08600                | <b>Contractor:</b>        | 3644            |
| <b>Tag:</b>                |                      | <b>Form Version:</b>      | 1               |
| <b>Constructn Method:</b>  |                      | <b>Owner:</b>             |                 |
| <b>Elevation (m):</b>      |                      | <b>County:</b>            | OTTAWA-CARLETON |
| <b>Elevatn Reliabilty:</b> |                      | <b>Lot:</b>               | 013             |
| <b>Depth to Bedrock:</b>   |                      | <b>Concession:</b>        | A               |
| <b>Well Depth:</b>         |                      | <b>Concession Name:</b>   | CON             |
| <b>Overburden/Bedrock:</b> |                      | <b>Easting NAD83:</b>     |                 |
| <b>Pump Rate:</b>          |                      | <b>Northing NAD83:</b>    |                 |
| <b>Static Water Level:</b> |                      | <b>Zone:</b>              |                 |
| <b>Clear/Cloudy:</b>       |                      | <b>UTM Reliability:</b>   |                 |
| <b>Municipality:</b>       | NORTH GOWER TOWNSHIP |                           |                 |
| <b>Site Info:</b>          |                      |                           |                 |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/152\1521734.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1521734.pdf)

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

|                             |                   |
|-----------------------------|-------------------|
| <b>Well Completed Date:</b> | 07/29/1987        |
| <b>Year Completed:</b>      | 1987              |
| <b>Depth (m):</b>           | 38.1              |
| <b>Latitude:</b>            | 45.1879088888346  |
| <b>Longitude:</b>           | -75.6601644464699 |
| <b>Path:</b>                | 152\1521734.pdf   |

**Bore Hole Information**

|                                     |              |                         |             |
|-------------------------------------|--------------|-------------------------|-------------|
| <b>Bore Hole ID:</b>                | 10043551     | <b>Elevation:</b>       |             |
| <b>DP2BR:</b>                       |              | <b>Elevrc:</b>          |             |
| <b>Spatial Status:</b>              |              | <b>Zone:</b>            | 18          |
| <b>Code OB:</b>                     |              | <b>East83:</b>          | 448139.30   |
| <b>Code OB Desc:</b>                |              | <b>North83:</b>         | 5004037.00  |
| <b>Open Hole:</b>                   |              | <b>Org CS:</b>          |             |
| <b>Cluster Kind:</b>                |              | <b>UTMRC:</b>           | 9           |
| <b>Date Completed:</b>              | 07/29/1987   | <b>UTMRC Desc:</b>      | unknown UTM |
| <b>Remarks:</b>                     |              | <b>Location Method:</b> | lot         |
| <b>Loc Method Desc:</b>             | Lot centroid |                         |             |
| <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>         | 931048957 |
| <b>Layer:</b>                | 1         |
| <b>Color:</b>                | 2         |
| <b>General Color:</b>        | GREY      |
| <b>Mat1:</b>                 | 28        |
| <b>Most Common Material:</b> | SAND      |



| <b>Map Key</b>                                  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <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>                     |                          | 35.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | ft                                 |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 931048960                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 4                                  |                          |             |           |
| <b>Color:</b>                                   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                           |                          | GREY                               |                          |             |           |
| <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>                     |                          | 49.0                               |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 125.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | ft                                 |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 931048959                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 3                                  |                          |             |           |
| <b>Color:</b>                                   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                           |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>                                    |                          | 26                                 |                          |             |           |
| <b>Most Common Material:</b>                    |                          | ROCK                               |                          |             |           |
| <b>Mat2:</b>                                    |                          | 71                                 |                          |             |           |
| <b>Mat2 Desc:</b>                               |                          | FRACTURED                          |                          |             |           |
| <b>Mat3:</b>                                    |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                               |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 46.0                               |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 49.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | ft                                 |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 931048958                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 2                                  |                          |             |           |
| <b>Color:</b>                                   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                           |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>                                    |                          | 11                                 |                          |             |           |
| <b>Most Common Material:</b>                    |                          | GRAVEL                             |                          |             |           |
| <b>Mat2:</b>                                    |                          | 13                                 |                          |             |           |
| <b>Mat2 Desc:</b>                               |                          | BOULDERS                           |                          |             |           |
| <b>Mat3:</b>                                    |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                               |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 35.0                               |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 46.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | ft                                 |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b><u>Method of Construction &amp; Well</u></b> |                          |                                    |                          |             |           |
| <b><u>Use</u></b>                               |                          |                                    |                          |             |           |

| <b>Map Key</b>                                  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Method Construction ID:</b> 961521734        |                          |                                    |                          |             |           |
| <b>Method Construction Code:</b> 5              |                          |                                    |                          |             |           |
| <b>Method Construction:</b> Air Percussion      |                          |                                    |                          |             |           |
| <b>Other Method Construction:</b>               |                          |                                    |                          |             |           |
| <br><b><u>Pipe Information</u></b>              |                          |                                    |                          |             |           |
| <b>Pipe ID:</b> 10592121                        |                          |                                    |                          |             |           |
| <b>Casing No:</b> 1                             |                          |                                    |                          |             |           |
| <b>Comment:</b>                                 |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                |                          |                                    |                          |             |           |
| <br><b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b> 930076094                     |                          |                                    |                          |             |           |
| <b>Layer:</b> 1                                 |                          |                                    |                          |             |           |
| <b>Material:</b> 1                              |                          |                                    |                          |             |           |
| <b>Open Hole or Material:</b> STEEL             |                          |                                    |                          |             |           |
| <b>Depth From:</b>                              |                          |                                    |                          |             |           |
| <b>Depth To:</b> 52.0                           |                          |                                    |                          |             |           |
| <b>Casing Diameter:</b> 6.0                     |                          |                                    |                          |             |           |
| <b>Casing Diameter UOM:</b> inch                |                          |                                    |                          |             |           |
| <b>Casing Depth UOM:</b> ft                     |                          |                                    |                          |             |           |
| <br><b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b> 930076095                     |                          |                                    |                          |             |           |
| <b>Layer:</b> 2                                 |                          |                                    |                          |             |           |
| <b>Material:</b> 4                              |                          |                                    |                          |             |           |
| <b>Open Hole or Material:</b> OPEN HOLE         |                          |                                    |                          |             |           |
| <b>Depth From:</b>                              |                          |                                    |                          |             |           |
| <b>Depth To:</b> 125.0                          |                          |                                    |                          |             |           |
| <b>Casing Diameter:</b> 6.0                     |                          |                                    |                          |             |           |
| <b>Casing Diameter UOM:</b> inch                |                          |                                    |                          |             |           |
| <b>Casing Depth UOM:</b> ft                     |                          |                                    |                          |             |           |
| <br><b><u>Results of Well Yield Testing</u></b> |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b> PUMP           |                          |                                    |                          |             |           |
| <b>Pump Test ID:</b> 991521734                  |                          |                                    |                          |             |           |
| <b>Pump Set At:</b>                             |                          |                                    |                          |             |           |
| <b>Static Level:</b> 15.0                       |                          |                                    |                          |             |           |
| <b>Final Level After Pumping:</b> 120.0         |                          |                                    |                          |             |           |
| <b>Recommended Pump Depth:</b> 120.0            |                          |                                    |                          |             |           |
| <b>Pumping Rate:</b> 5.0                        |                          |                                    |                          |             |           |
| <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> 1                   |                          |                                    |                          |             |           |
| <b>Pumping Duration HR:</b> 1                   |                          |                                    |                          |             |           |
| <b>Pumping Duration MIN:</b> 0                  |                          |                                    |                          |             |           |
| <b>Flowing:</b> No                              |                          |                                    |                          |             |           |
| <br><b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b> 934652866           |                          |                                    |                          |             |           |
| <b>Test Type:</b>                               |                          |                                    |                          |             |           |
| <b>Test Duration:</b> 45                        |                          |                                    |                          |             |           |
| <b>Test Level:</b> 120.0                        |                          |                                    |                          |             |           |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910516  
 Test Type:  
 Test Duration: 60  
 Test Level: 120.0  
 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934391865  
 Test Type:  
 Test Duration: 30  
 Test Level: 120.0  
 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934107622  
 Test Type:  
 Test Duration: 15  
 Test Level: 120.0  
 Test Level UOM: ft

Water Details

Water ID: 933479413  
 Layer: 1  
 Kind Code: 1  
 Kind: FRESH  
 Water Found Depth: 120.0  
 Water Found Depth UOM: ft

Water Details

Water ID: 933479414  
 Layer: 2  
 Kind Code: 1  
 Kind: FRESH  
 Water Found Depth: 55.0  
 Water Found Depth UOM: ft

Links

|                    |                 |             |                    |
|--------------------|-----------------|-------------|--------------------|
| Bore Hole ID:      | 10043551        | Tag No:     |                    |
| Depth M:           | 38.1            | Contractor: | 3644               |
| Year Completed:    | 1987            | Latitude:   | 45.1879088888346   |
| Well Completed Dt: | 07/29/1987      | Longitude:  | -75.6601644464699  |
| Audit No:          | 08600           | Y:          | 45.18790888190751  |
| Path:              | 152\1521734.pdf | X:          | -75.66016428445259 |

|                   |        |         |              |                    |      |
|-------------------|--------|---------|--------------|--------------------|------|
| <a href="#">4</a> | 2 of 6 | WSW/0.0 | 90.9 / -1.00 | lot 13 con A<br>ON | WWIS |
|-------------------|--------|---------|--------------|--------------------|------|

|                    |          |                    |   |
|--------------------|----------|--------------------|---|
| Well ID:           | 1522072  | Flowing (Y/N):     |   |
| Construction Date: |          | Flow Rate:         |   |
| Use 1st:           | Domestic | Data Entry Status: |   |
| Use 2nd:           |          | Data Src:          | 1 |

| Map Key                    | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site                    | DB              |
|----------------------------|-------------------|-------------------------|---------------|-------------------------|-----------------|
| <b>Final Well Status:</b>  | Water Supply      |                         |               | <b>Date Received:</b>   | 01/12/1988      |
| <b>Water Type:</b>         |                   |                         |               | <b>Selected Flag:</b>   | TRUE            |
| <b>Casing Material:</b>    |                   |                         |               | <b>Abandonment Rec:</b> |                 |
| <b>Audit No:</b>           | 08619             |                         |               | <b>Contractor:</b>      | 3644            |
| <b>Tag:</b>                |                   |                         |               | <b>Form Version:</b>    | 1               |
| <b>Constructn Method:</b>  |                   |                         |               | <b>Owner:</b>           |                 |
| <b>Elevation (m):</b>      |                   |                         |               | <b>County:</b>          | OTTAWA-CARLETON |
| <b>Elevatn Reliabilty:</b> |                   |                         |               | <b>Lot:</b>             | 013             |
| <b>Depth to Bedrock:</b>   |                   |                         |               | <b>Concession:</b>      | A               |
| <b>Well Depth:</b>         |                   |                         |               | <b>Concession Name:</b> | CON             |
| <b>Overburden/Bedrock:</b> |                   |                         |               | <b>Easting NAD83:</b>   |                 |
| <b>Pump Rate:</b>          |                   |                         |               | <b>Northing NAD83:</b>  |                 |
| <b>Static Water Level:</b> |                   |                         |               | <b>Zone:</b>            |                 |
| <b>Clear/Cloudy:</b>       |                   |                         |               | <b>UTM Reliability:</b> |                 |
| <b>Municipality:</b>       |                   | NORTH GOWER TOWNSHIP    |               |                         |                 |
| <b>Site Info:</b>          |                   |                         |               |                         |                 |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/152\1522072.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1522072.pdf)

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

**Well Completed Date:** 08/11/1987  
**Year Completed:** 1987  
**Depth (m):** 83.82  
**Latitude:** 45.1879088888346  
**Longitude:** -75.6601644464699  
**Path:** 152\1522072.pdf

**Bore Hole Information**

|                                     |              |                         |             |
|-------------------------------------|--------------|-------------------------|-------------|
| <b>Bore Hole ID:</b>                | 10043885     | <b>Elevation:</b>       |             |
| <b>DP2BR:</b>                       |              | <b>Elevrc:</b>          |             |
| <b>Spatial Status:</b>              |              | <b>Zone:</b>            | 18          |
| <b>Code OB:</b>                     |              | <b>East83:</b>          | 448139.30   |
| <b>Code OB Desc:</b>                |              | <b>North83:</b>         | 5004037.00  |
| <b>Open Hole:</b>                   |              | <b>Org CS:</b>          |             |
| <b>Cluster Kind:</b>                |              | <b>UTMRC:</b>           | 9           |
| <b>Date Completed:</b>              | 08/11/1987   | <b>UTMRC Desc:</b>      | unknown UTM |
| <b>Remarks:</b>                     |              | <b>Location Method:</b> | lot         |
| <b>Loc Method Desc:</b>             | Lot centroid |                         |             |
| <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:** 931050165  
**Layer:** 1  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 14  
**Most Common Material:** HARDPAN  
**Mat2:** 12  
**Mat2 Desc:** STONES  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 23.0  
**Formation End Depth UOM:** ft

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931050166                          |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>  |                          | 05                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | CLAY                               |                          |             |           |
| <b>Mat2:</b>  |                          | 12                                 |                          |             |           |
| <b>Mat2 Desc:</b>   |                          | STONES                             |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 23.0                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 65.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931050167                          |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>  |                          | 14                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | HARDPAN                            |                          |             |           |
| <b>Mat2:</b>  |                          | 12                                 |                          |             |           |
| <b>Mat2 Desc:</b>   |                          | STONES                             |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 65.0                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 75.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931050168                          |                          |             |           |
| <b>Layer:</b>   |                          | 4                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <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>                                 |                          | 75.0                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 255.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931050169                          |                          |             |           |
| <b>Layer:</b>   |                          | 5                                  |                          |             |           |
| <b>Color:</b>   |                          | 1                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | WHITE                              |                          |             |           |
| <b>Mat1:</b>  |                          | 18                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | SANDSTONE                          |                          |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |

| <b>Map Key</b>                                      | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Mat2 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                         |                          | 255.0                              |                          |             |           |
| <b>Formation End Depth:</b>                         |                          | 275.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft                                 |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                      |                          | 961522072                          |                          |             |           |
| <b>Method Construction Code:</b>                    |                          | 5                                  |                          |             |           |
| <b>Method Construction:</b>                         |                          | Air Percussion                     |                          |             |           |
| <b>Other Method Construction:</b>                   |                          |                                    |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                      |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>                                     |                          | 10592455                           |                          |             |           |
| <b>Casing No:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                                     |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                    |                          |                                    |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930076702                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 78.0                               |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                            |                          | ft                                 |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930076703                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 2                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 275.0                              |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                            |                          | ft                                 |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b><u>Results of Well Yield Testing</u></b>         |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b>                    |                          | PUMP                               |                          |             |           |
| <b>Pump Test ID:</b>                                |                          | 991522072                          |                          |             |           |
| <b>Pump Set At:</b>                                 |                          |                                    |                          |             |           |
| <b>Static Level:</b>                                |                          | 10.0                               |                          |             |           |
| <b>Final Level After Pumping:</b>                   |                          | 40.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>                      |                          | 40.0                               |                          |             |           |
| <b>Pumping Rate:</b>                                |                          | 100.0                              |                          |             |           |
| <b>Flowing Rate:</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                                  |                          |             |           |

| Map Key                                | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m)    | Site                       | DB                 |
|--|-------------------|----------------------------|---------------------|----------------------------|--------------------|
| <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>            |                   | 934654004                  |                     |                            |                    |
| <b>Test Type:</b>                      |                   |                            |                     |                            |                    |
| <b>Test Duration:</b>                  |                   | 45                         |                     |                            |                    |
| <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>            |                   | 934108767                  |                     |                            |                    |
| <b>Test Type:</b>                      |                   |                            |                     |                            |                    |
| <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>            |                   | 934392871                  |                     |                            |                    |
| <b>Test Type:</b>                      |                   |                            |                     |                            |                    |
| <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>            |                   | 934902277                  |                     |                            |                    |
| <b>Test Type:</b>                      |                   |                            |                     |                            |                    |
| <b>Test Duration:</b>                  |                   | 60                         |                     |                            |                    |
| <b>Test Level:</b>                     |                   | 40.0                       |                     |                            |                    |
| <b>Test Level UOM:</b>                 |                   | ft                         |                     |                            |                    |
| <b><u>Water Details</u></b>            |                   |                            |                     |                            |                    |
| <b>Water ID:</b>                       |                   | 933479829                  |                     |                            |                    |
| <b>Layer:</b>                          |                   | 1                          |                     |                            |                    |
| <b>Kind Code:</b>                      |                   | 1                          |                     |                            |                    |
| <b>Kind:</b>                           |                   | FRESH                      |                     |                            |                    |
| <b>Water Found Depth:</b>              |                   | 271.0                      |                     |                            |                    |
| <b>Water Found Depth UOM:</b>          |                   | ft                         |                     |                            |                    |
| <b><u>Links</u></b>                    |                   |                            |                     |                            |                    |
| <b>Bore Hole ID:</b>                   |                   | 10043885                   |                     | <b>Tag No:</b>             |                    |
| <b>Depth M:</b>                        |                   | 83.82                      |                     | <b>Contractor:</b>         | 3644               |
| <b>Year Completed:</b>                 |                   | 1987                       |                     | <b>Latitude:</b>           | 45.1879088888346   |
| <b>Well Completed Dt:</b>              |                   | 08/11/1987                 |                     | <b>Longitude:</b>          | -75.6601644464699  |
| <b>Audit No:</b>                       |                   | 08619                      |                     | <b>Y:</b>                  | 45.18790888190751  |
| <b>Path:</b>                           |                   | 152\1522072.pdf            |                     | <b>X:</b>                  | -75.66016428445259 |
| <b><u>4</u></b>                        | <b>3 of 6</b>     | <b>WSW/0.0</b>             | <b>90.9 / -1.00</b> | <b>lot 13 con A<br/>ON</b> | <b>WWIS</b>        |
| <b>Well ID:</b>                        |                   | 1525070                    |                     | <b>Flowing (Y/N):</b>      |                    |
| <b>Construction Date:</b>              |                   |                            |                     | <b>Flow Rate:</b>          |                    |
| <b>Use 1st:</b>                        |                   | Domestic                   |                     | <b>Data Entry Status:</b>  |                    |

| Map Key                                  | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                    | DB              |
|--|---|----------------------------|------------------|-------------------------|-----------------|
| <b>Use 2nd:</b>                          |   |                            |                  | <b>Data Src:</b>        | 1               |
| <b>Final Well Status:</b>                | Water Supply  |                            |                  | <b>Date Received:</b>   | 11/16/1990      |
| <b>Water Type:</b>                       |   |                            |                  | <b>Selected Flag:</b>   | TRUE            |
| <b>Casing Material:</b>                  |   |                            |                  | <b>Abandonment Rec:</b> |                 |
| <b>Audit No:</b>                         | 89852   |                            |                  | <b>Contractor:</b>      | 1558            |
| <b>Tag:</b>                              |   |                            |                  | <b>Form Version:</b>    | 1               |
| <b>Constructn Method:</b>                |   |                            |                  | <b>Owner:</b>           |                 |
| <b>Elevation (m):</b>                    |   |                            |                  | <b>County:</b>          | OTTAWA-CARLETON |
| <b>Elevatn Reliabilty:</b>               |   |                            |                  | <b>Lot:</b>             | 013             |
| <b>Depth to Bedrock:</b>                 |   |                            |                  | <b>Concession:</b>      | A               |
| <b>Well Depth:</b>                       |   |                            |                  | <b>Concession Name:</b> | CON             |
| <b>Overburden/Bedrock:</b>               |   |                            |                  | <b>Easting NAD83:</b>   |                 |
| <b>Pump Rate:</b>                        |   |                            |                  | <b>Northing NAD83:</b>  |                 |
| <b>Static Water Level:</b>               |   |                            |                  | <b>Zone:</b>            |                 |
| <b>Clear/Cloudy:</b>                     |   |                            |                  | <b>UTM Reliability:</b> |                 |
| <b>Municipality:</b>                     | NORTH GOWER TOWNSHIP  |                            |                  |                         |                 |
| <b>Site Info:</b>                        |   |                            |                  |                         |                 |
| <b>PDF URL (Map):</b>                    | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1525070.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1525070.pdf</a> |                            |                  |                         |                 |
| <b><u>Additional Detail(s) (Map)</u></b> |   |                            |                  |                         |                 |
| <b>Well Completed Date:</b>              | 10/09/1990  |                            |                  |                         |                 |
| <b>Year Completed:</b>                   | 1990  |                            |                  |                         |                 |
| <b>Depth (m):</b>                        | 60.96   |                            |                  |                         |                 |
| <b>Latitude:</b>                         | 45.1879088888346  |                            |                  |                         |                 |
| <b>Longitude:</b>                        | -75.6601644464699   |                            |                  |                         |                 |
| <b>Path:</b>                             | 152\1525070.pdf   |                            |                  |                         |                 |
| <b><u>Bore Hole Information</u></b>      |   |                            |                  |                         |                 |
| <b>Bore Hole ID:</b>                     | 10046812  |                            |                  | <b>Elevation:</b>       |                 |
| <b>DP2BR:</b>                            |   |                            |                  | <b>Elevrc:</b>          |                 |
| <b>Spatial Status:</b>                   |   |                            |                  | <b>Zone:</b>            | 18              |
| <b>Code OB:</b>                          |   |                            |                  | <b>East83:</b>          | 448139.30       |
| <b>Code OB Desc:</b>                     |   |                            |                  | <b>North83:</b>         | 5004037.00      |
| <b>Open Hole:</b>                        |   |                            |                  | <b>Org CS:</b>          |                 |
| <b>Cluster Kind:</b>                     |   |                            |                  | <b>UTMRC:</b>           | 9               |
| <b>Date Completed:</b>                   | 10/09/1990  |                            |                  | <b>UTMRC Desc:</b>      | unknown UTM     |
| <b>Remarks:</b>                          |   |                            |                  | <b>Location Method:</b> | lot             |
| <b>Loc Method Desc:</b>                  | Lot centroid  |                            |                  |                         |                 |
| <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>                     | 931059974   |                            |                  |                         |                 |
| <b>Layer:</b>                            | 1   |                            |                  |                         |                 |
| <b>Color:</b>                            | 6   |                            |                  |                         |                 |
| <b>General Color:</b>                    | BROWN   |                            |                  |                         |                 |
| <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>              | 6.0   |                            |                  |                         |                 |



| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931059976                          |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>  |                          | 14                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | HARDPAN                            |                          |             |           |
| <b>Mat2:</b>  |                          | 13                                 |                          |             |           |
| <b>Mat2 Desc:</b>   |                          | BOULDERS                           |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 16.0                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 50.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931059977                          |                          |             |           |
| <b>Layer:</b>   |                          | 4                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>  |                          | 11                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | GRAVEL                             |                          |             |           |
| <b>Mat2:</b>  |                          | 79                                 |                          |             |           |
| <b>Mat2 Desc:</b>   |                          | PACKED                             |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 50.0                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 61.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931059978                          |                          |             |           |
| <b>Layer:</b>   |                          | 5                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>  |                          | 15                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | LIMESTONE                          |                          |             |           |
| <b>Mat2:</b>  |                          | 79                                 |                          |             |           |
| <b>Mat2 Desc:</b>   |                          | PACKED                             |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 61.0                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 200.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931059975                          |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Color:</b>   |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>  |                          | 14                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | HARDPAN                            |                          |             |           |

| <b>Map Key</b>                                      | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Mat2:</b>  |                          | 13                                 |                          |             |           |
| <b>Mat2 Desc:</b>                                   |                          | BOULDERS                           |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                         |                          | 6.0                                |                          |             |           |
| <b>Formation End Depth:</b>                         |                          | 16.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                      |                          | 961525070                          |                          |             |           |
| <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>                                     |                          | 10595382                           |                          |             |           |
| <b>Casing No:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                                     |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                    |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930081991                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 2                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 200.0                              |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                            |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930081990                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 64.0                               |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                            |                          | ft                                 |                          |             |           |
| <b><u>Results of Well Yield Testing</u></b>         |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b>                    |                          | PUMP                               |                          |             |           |
| <b>Pump Test ID:</b>                                |                          | 991525070                          |                          |             |           |
| <b>Pump Set At:</b>                                 |                          |                                    |                          |             |           |
| <b>Static Level:</b>                                |                          | 25.0                               |                          |             |           |
| <b>Final Level After Pumping:</b>                   |                          | 70.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>                      |                          | 100.0                              |                          |             |           |
| <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                              |                          |             |           |

| Map Key                                | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m)    | Site                       | DB                 |
|--|-------------------|----------------------------|---------------------|----------------------------|--------------------|
| <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>            | 934904636         |                            |                     |                            |                    |
| <b>Test Type:</b>                      | Draw Down         |                            |                     |                            |                    |
| <b>Test Duration:</b>                  | 60                |                            |                     |                            |                    |
| <b>Test Level:</b>                     | 70.0              |                            |                     |                            |                    |
| <b>Test Level UOM:</b>                 | ft                |                            |                     |                            |                    |
| <b><u>Draw Down &amp; Recovery</u></b> |                   |                            |                     |                            |                    |
| <b>Pump Test Detail ID:</b>            | 934655844         |                            |                     |                            |                    |
| <b>Test Type:</b>                      | Draw Down         |                            |                     |                            |                    |
| <b>Test Duration:</b>                  | 45                |                            |                     |                            |                    |
| <b>Test Level:</b>                     | 70.0              |                            |                     |                            |                    |
| <b>Test Level UOM:</b>                 | ft                |                            |                     |                            |                    |
| <b><u>Draw Down &amp; Recovery</u></b> |                   |                            |                     |                            |                    |
| <b>Pump Test Detail ID:</b>            | 934111078         |                            |                     |                            |                    |
| <b>Test Type:</b>                      | Draw Down         |                            |                     |                            |                    |
| <b>Test Duration:</b>                  | 15                |                            |                     |                            |                    |
| <b>Test Level:</b>                     | 70.0              |                            |                     |                            |                    |
| <b>Test Level UOM:</b>                 | ft                |                            |                     |                            |                    |
| <b><u>Draw Down &amp; Recovery</u></b> |                   |                            |                     |                            |                    |
| <b>Pump Test Detail ID:</b>            | 934386485         |                            |                     |                            |                    |
| <b>Test Type:</b>                      | Draw Down         |                            |                     |                            |                    |
| <b>Test Duration:</b>                  | 30                |                            |                     |                            |                    |
| <b>Test Level:</b>                     | 70.0              |                            |                     |                            |                    |
| <b>Test Level UOM:</b>                 | ft                |                            |                     |                            |                    |
| <b><u>Water Details</u></b>            |                   |                            |                     |                            |                    |
| <b>Water ID:</b>                       | 933483931         |                            |                     |                            |                    |
| <b>Layer:</b>                          | 1                 |                            |                     |                            |                    |
| <b>Kind Code:</b>                      | 5                 |                            |                     |                            |                    |
| <b>Kind:</b>                           | Not stated        |                            |                     |                            |                    |
| <b>Water Found Depth:</b>              | 193.0             |                            |                     |                            |                    |
| <b>Water Found Depth UOM:</b>          | ft                |                            |                     |                            |                    |
| <b><u>Links</u></b>                    |                   |                            |                     |                            |                    |
| <b>Bore Hole ID:</b>                   | 10046812          |                            |                     | <b>Tag No:</b>             | 1558               |
| <b>Depth M:</b>                        | 60.96             |                            |                     | <b>Contractor:</b>         | 1558               |
| <b>Year Completed:</b>                 | 1990              |                            |                     | <b>Latitude:</b>           | 45.1879088888346   |
| <b>Well Completed Dt:</b>              | 10/09/1990        |                            |                     | <b>Longitude:</b>          | -75.6601644464699  |
| <b>Audit No:</b>                       | 89852             |                            |                     | <b>Y:</b>                  | 45.18790888190751  |
| <b>Path:</b>                           | 152\1525070.pdf   |                            |                     | <b>X:</b>                  | -75.66016428445259 |
| <b>4</b>                               | <b>4 of 6</b>     | <b>WSW/0.0</b>             | <b>90.9 / -1.00</b> | <b>lot 13 con A<br/>ON</b> | <b>WWIS</b>        |
| <b>Well ID:</b>                        | 1526270           |                            |                     | <b>Flowing (Y/N):</b>      |                    |
| <b>Construction Date:</b>              |                   |                            |                     | <b>Flow Rate:</b>          |                    |

| Map Key                                  | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                      | DB              |
|--|---|----------------------------|------------------|---------------------------|-----------------|
| <b>Use 1st:</b>                          | Commerical  |                            |                  | <b>Data Entry Status:</b> |                 |
| <b>Use 2nd:</b>                          |   |                            |                  | <b>Data Src:</b>          | 1               |
| <b>Final Well Status:</b>                | Water Supply  |                            |                  | <b>Date Received:</b>     | 06/22/1992      |
| <b>Water Type:</b>                       |   |                            |                  | <b>Selected Flag:</b>     | TRUE            |
| <b>Casing Material:</b>                  |   |                            |                  | <b>Abandonment Rec:</b>   |                 |
| <b>Audit No:</b>                         | 111807  |                            |                  | <b>Contractor:</b>        | 3644            |
| <b>Tag:</b>                              |   |                            |                  | <b>Form Version:</b>      | 1               |
| <b>Constructn Method:</b>                |   |                            |                  | <b>Owner:</b>             |                 |
| <b>Elevation (m):</b>                    |   |                            |                  | <b>County:</b>            | OTTAWA-CARLETON |
| <b>Elevatn Reliability:</b>              |   |                            |                  | <b>Lot:</b>               | 013             |
| <b>Depth to Bedrock:</b>                 |   |                            |                  | <b>Concession:</b>        | A               |
| <b>Well Depth:</b>                       |   |                            |                  | <b>Concession Name:</b>   | CON             |
| <b>Overburden/Bedrock:</b>               |   |                            |                  | <b>Easting NAD83:</b>     |                 |
| <b>Pump Rate:</b>                        |   |                            |                  | <b>Northing NAD83:</b>    |                 |
| <b>Static Water Level:</b>               |   |                            |                  | <b>Zone:</b>              |                 |
| <b>Clear/Cloudy:</b>                     |   |                            |                  | <b>UTM Reliability:</b>   |                 |
| <b>Municipality:</b>                     | NORTH GOWER TOWNSHIP  |                            |                  |                           |                 |
| <b>Site Info:</b>                        |   |                            |                  |                           |                 |
| <b>PDF URL (Map):</b>                    | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1526270.pdf |                            |                  |                           |                 |
| <b><u>Additional Detail(s) (Map)</u></b> |   |                            |                  |                           |                 |
| <b>Well Completed Date:</b>              | 06/03/1992  |                            |                  |                           |                 |
| <b>Year Completed:</b>                   | 1992  |                            |                  |                           |                 |
| <b>Depth (m):</b>                        | 85.344  |                            |                  |                           |                 |
| <b>Latitude:</b>                         | 45.1879088888346  |                            |                  |                           |                 |
| <b>Longitude:</b>                        | -75.6601644464699   |                            |                  |                           |                 |
| <b>Path:</b>                             | 152\1526270.pdf   |                            |                  |                           |                 |
| <b><u>Bore Hole Information</u></b>      |   |                            |                  |                           |                 |
| <b>Bore Hole ID:</b>                     | 10047988  |                            |                  | <b>Elevation:</b>         |                 |
| <b>DP2BR:</b>                            |   |                            |                  | <b>Elevrc:</b>            |                 |
| <b>Spatial Status:</b>                   |   |                            |                  | <b>Zone:</b>              | 18              |
| <b>Code OB:</b>                          |   |                            |                  | <b>East83:</b>            | 448139.30       |
| <b>Code OB Desc:</b>                     |   |                            |                  | <b>North83:</b>           | 5004037.00      |
| <b>Open Hole:</b>                        |   |                            |                  | <b>Org CS:</b>            |                 |
| <b>Cluster Kind:</b>                     |   |                            |                  | <b>UTMRC:</b>             | 9               |
| <b>Date Completed:</b>                   | 06/03/1992  |                            |                  | <b>UTMRC Desc:</b>        | unknown UTM     |
| <b>Remarks:</b>                          |   |                            |                  | <b>Location Method:</b>   | lot             |
| <b>Loc Method Desc:</b>                  | Lot centroid  |                            |                  |                           |                 |
| <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>                     | 931063684   |                            |                  |                           |                 |
| <b>Layer:</b>                            | 1   |                            |                  |                           |                 |
| <b>Color:</b>                            | 2   |                            |                  |                           |                 |
| <b>General Color:</b>                    | GREY  |                            |                  |                           |                 |
| <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>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Formation End Depth:</b>                                 |                          | 190.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931063685                          |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>  |                          | 15                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | LIMESTONE                          |                          |             |           |
| <b>Mat2:</b>  |                          | 18                                 |                          |             |           |
| <b>Mat2 Desc:</b>   |                          | SANDSTONE                          |                          |             |           |
| <b>Mat3:</b>  |                          | 74                                 |                          |             |           |
| <b>Mat3 Desc:</b>   |                          | LAYERED                            |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 190.0                              |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 280.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well<br/>Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                              |                          | 961526270                          |                          |             |           |
| <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>   |                          | 10596558                           |                          |             |           |
| <b>Casing No:</b>   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>   |                          |                                    |                          |             |           |
| <b>Alt Name:</b>  |                          |                                    |                          |             |           |
| <b><u>Results of Well Yield Testing</u></b>                 |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b>                            |                          | PUMP                               |                          |             |           |
| <b>Pump Test ID:</b>  |                          | 991526270                          |                          |             |           |
| <b>Pump Set At:</b>   |                          |                                    |                          |             |           |
| <b>Static Level:</b>  |                          | 20.0                               |                          |             |           |
| <b>Final Level After Pumping:</b>                           |                          | 150.0                              |                          |             |           |
| <b>Recommended Pump Depth:</b>                              |                          | 150.0                              |                          |             |           |
| <b>Pumping Rate:</b>  |                          | 7.0                                |                          |             |           |
| <b>Flowing Rate:</b>  |                          |                                    |                          |             |           |
| <b>Recommended Pump Rate:</b>                               |                          | 7.0                                |                          |             |           |
| <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>                                 |                          | 934106839                          |                          |             |           |
| <b>Test Type:</b>   |                          |                                    |                          |             |           |
| <b>Test Duration:</b>                                       |                          | 15                                 |                          |             |           |
| <b>Test Level:</b>  |                          | 150.0                              |                          |             |           |
| <b>Test Level UOM:</b>                                      |                          | ft                                 |                          |             |           |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

Draw Down & Recovery

Pump Test Detail ID: 934390473  
 Test Type:  
 Test Duration: 30  
 Test Level: 150.0  
 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934908611  
 Test Type:  
 Test Duration: 60  
 Test Level: 150.0  
 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651413  
 Test Type:  
 Test Duration: 45  
 Test Level: 150.0  
 Test Level UOM: ft

Water Details

Water ID: 933485516  
 Layer: 1  
 Kind Code: 1  
 Kind: FRESH  
 Water Found Depth: 170.0  
 Water Found Depth UOM: ft

Links

|                    |                 |             |                    |
|--------------------|-----------------|-------------|--------------------|
| Bore Hole ID:      | 10047988        | Tag No:     |                    |
| Depth M:           | 85.344          | Contractor: | 3644               |
| Year Completed:    | 1992            | Latitude:   | 45.1879088888346   |
| Well Completed Dt: | 06/03/1992      | Longitude:  | -75.6601644464699  |
| Audit No:          | 111807          | Y:          | 45.18790888190751  |
| Path:              | 152\1526270.pdf | X:          | -75.66016428445259 |

[4](#)      5 of 6      WSW/0.0      90.9 / -1.00      lot 13 con A  
ON      WWIS

|                      |              |                    |                 |
|----------------------|--------------|--------------------|-----------------|
| Well ID:             | 1527456      | Flowing (Y/N):     |                 |
| Construction Date:   |              | Flow Rate:         |                 |
| Use 1st:             | Irrigation   | Data Entry Status: |                 |
| Use 2nd:             |              | Data Src:          | 1               |
| Final Well Status:   | Water Supply | Date Received:     | 10/14/1993      |
| Water Type:          |              | Selected Flag:     | TRUE            |
| Casing Material:     |              | Abandonment Rec:   |                 |
| Audit No:            | 135984       | Contractor:        | 1558            |
| Tag:                 |              | Form Version:      | 1               |
| Constructn Method:   |              | Owner:             |                 |
| Elevation (m):       |              | County:            | OTTAWA-CARLETON |
| Elevatn Reliability: |              | Lot:               | 013             |
| Depth to Bedrock:    |              | Concession:        | A               |
| Well Depth:          |              | Concession Name:   | CON             |
| Overburden/Bedrock:  |              | Easting NAD83:     |                 |

| Map Key  | Number of Records | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site  | DB |
|--|-------------------|---|------------------|---|----|
| <b>Pump Rate:</b><br><b>Static Water Level:</b><br><b>Clear/Cloudy:</b><br><b>Municipality:</b><br><b>Site Info:</b> |                   | NORTH GOWER TOWNSHIP  |                  | <b>Northing NAD83:</b><br><b>Zone:</b><br><b>UTM Reliability:</b> |    |
| <b>PDF URL (Map):</b>  |                   | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1527456.pdf |                  |   |    |
| <b><u>Additional Detail(s) (Map)</u></b>   |                   |   |                  |   |    |
| <b>Well Completed Date:</b>  |                   | 09/09/1993  |                  |   |    |
| <b>Year Completed:</b>   |                   | 1993  |                  |   |    |
| <b>Depth (m):</b>  |                   | 111.252   |                  |   |    |
| <b>Latitude:</b>   |                   | 45.1879088888346  |                  |   |    |
| <b>Longitude:</b>  |                   | -75.6601644464699   |                  |   |    |
| <b>Path:</b>   |                   | 152\1527456.pdf   |                  |   |    |
| <b><u>Bore Hole Information</u></b>  |                   |   |                  |   |    |
| <b>Bore Hole ID:</b>   |                   | 10049101  |                  | <b>Elevation:</b>   |    |
| <b>DP2BR:</b>  |                   |   |                  | <b>Elevrc:</b>  |    |
| <b>Spatial Status:</b>   |                   |   |                  | <b>Zone:</b> 18   |    |
| <b>Code OB:</b>  |                   |   |                  | <b>East83:</b> 448139.30  |    |
| <b>Code OB Desc:</b>   |                   |   |                  | <b>North83:</b> 5004037.00  |    |
| <b>Open Hole:</b>  |                   |   |                  | <b>Org CS:</b>  |    |
| <b>Cluster Kind:</b>   |                   |   |                  | <b>UTMRC:</b> 9   |    |
| <b>Date Completed:</b>   |                   | 09/09/1993  |                  | <b>UTMRC Desc:</b> unknown UTM                                    |    |
| <b>Remarks:</b>  |                   |   |                  | <b>Location Method:</b> lot                                       |    |
| <b>Loc Method Desc:</b>  |                   | Lot centroid  |                  |   |    |
| <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>   |                   | 931066715   |                  |   |    |
| <b>Layer:</b>  |                   | 2   |                  |   |    |
| <b>Color:</b>  |                   | 6   |                  |   |    |
| <b>General Color:</b>  |                   | BROWN   |                  |   |    |
| <b>Mat1:</b>   |                   | 14  |                  |   |    |
| <b>Most Common Material:</b>   |                   | HARDPAN   |                  |   |    |
| <b>Mat2:</b>   |                   |   |                  |   |    |
| <b>Mat2 Desc:</b>  |                   |   |                  |   |    |
| <b>Mat3:</b>   |                   |   |                  |   |    |
| <b>Mat3 Desc:</b>  |                   |   |                  |   |    |
| <b>Formation Top Depth:</b>  |                   | 5.0   |                  |   |    |
| <b>Formation End Depth:</b>  |                   | 18.0  |                  |   |    |
| <b>Formation End Depth UOM:</b>  |                   | ft  |                  |   |    |
| <b><u>Overburden and Bedrock</u></b>   |                   |   |                  |   |    |
| <b><u>Materials Interval</u></b>   |                   |   |                  |   |    |
| <b>Formation ID:</b>   |                   | 931066719   |                  |   |    |
| <b>Layer:</b>  |                   | 6   |                  |   |    |
| <b>Color:</b>  |                   | 2   |                  |   |    |
| <b>General Color:</b>  |                   | GREY  |                  |   |    |
| <b>Mat1:</b>   |                   | 18  |                  |   |    |
| <b>Most Common Material:</b>   |                   | SANDSTONE   |                  |   |    |

| <b>Map Key</b>                       | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|--------------------------------------|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Mat2:</b>                         |                          | 73                                 |                          |             |           |
| <b>Mat2 Desc:</b>                    |                          | HARD                               |                          |             |           |
| <b>Mat3:</b>                         |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                    |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>          |                          | 230.0                              |                          |             |           |
| <b>Formation End Depth:</b>          |                          | 365.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>      |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock</u></b> |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>     |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                 |                          | 931066718                          |                          |             |           |
| <b>Layer:</b>                        |                          | 5                                  |                          |             |           |
| <b>Color:</b>                        |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>                         |                          | 15                                 |                          |             |           |
| <b>Most Common Material:</b>         |                          | LIMESTONE                          |                          |             |           |
| <b>Mat2:</b>                         |                          | 73                                 |                          |             |           |
| <b>Mat2 Desc:</b>                    |                          | HARD                               |                          |             |           |
| <b>Mat3:</b>                         |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                    |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>          |                          | 88.0                               |                          |             |           |
| <b>Formation End Depth:</b>          |                          | 230.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>      |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock</u></b> |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>     |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                 |                          | 931066714                          |                          |             |           |
| <b>Layer:</b>                        |                          | 1                                  |                          |             |           |
| <b>Color:</b>                        |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>                         |                          | 28                                 |                          |             |           |
| <b>Most Common Material:</b>         |                          | SAND                               |                          |             |           |
| <b>Mat2:</b>                         |                          | 05                                 |                          |             |           |
| <b>Mat2 Desc:</b>                    |                          | CLAY                               |                          |             |           |
| <b>Mat3:</b>                         |                          | 13                                 |                          |             |           |
| <b>Mat3 Desc:</b>                    |                          | BOULDERS                           |                          |             |           |
| <b>Formation Top Depth:</b>          |                          | 0.0                                |                          |             |           |
| <b>Formation End Depth:</b>          |                          | 5.0                                |                          |             |           |
| <b>Formation End Depth UOM:</b>      |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock</u></b> |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>     |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                 |                          | 931066716                          |                          |             |           |
| <b>Layer:</b>                        |                          | 3                                  |                          |             |           |
| <b>Color:</b>                        |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>                         |                          | 14                                 |                          |             |           |
| <b>Most Common Material:</b>         |                          | HARDPAN                            |                          |             |           |
| <b>Mat2:</b>                         |                          | 13                                 |                          |             |           |
| <b>Mat2 Desc:</b>                    |                          | BOULDERS                           |                          |             |           |
| <b>Mat3:</b>                         |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                    |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>          |                          | 18.0                               |                          |             |           |
| <b>Formation End Depth:</b>          |                          | 60.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>      |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock</u></b> |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>     |                          |                                    |                          |             |           |



| <b>Map Key</b>   | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|--|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Formation ID:</b>                                   |                          | 931066717                          |                          |             |           |
| <b>Layer:</b>  |                          | 4                                  |                          |             |           |
| <b>Color:</b>  |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                  |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>   |                          | 28                                 |                          |             |           |
| <b>Most Common Material:</b>                           |                          | SAND                               |                          |             |           |
| <b>Mat2:</b>   |                          | 13                                 |                          |             |           |
| <b>Mat2 Desc:</b>                                      |                          | BOULDERS                           |                          |             |           |
| <b>Mat3:</b>   |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                                      |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                            |                          | 60.0                               |                          |             |           |
| <b>Formation End Depth:</b>                            |                          | 88.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                        |                          | ft                                 |                          |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                                    |                          |             |           |
| <b>Plug ID:</b>  |                          | 933112470                          |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>                                      |                          | 0.0                                |                          |             |           |
| <b>Plug To:</b>  |                          | 89.0                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>    |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                         |                          | 961527456                          |                          |             |           |
| <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>  |                          | 10597671                           |                          |             |           |
| <b>Casing No:</b>                                      |                          | 1                                  |                          |             |           |
| <b>Comment:</b>  |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                       |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>             |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                      |                          | 930085744                          |                          |             |           |
| <b>Layer:</b>  |                          | 4                                  |                          |             |           |
| <b>Material:</b>                                       |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                          |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                                     |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                       |                          | 365.0                              |                          |             |           |
| <b>Casing Diameter:</b>                                |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                            |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                               |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>             |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                      |                          | 930085743                          |                          |             |           |
| <b>Layer:</b>  |                          | 3                                  |                          |             |           |
| <b>Material:</b>                                       |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                          |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                                     |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                       |                          | 300.0                              |                          |             |           |
| <b>Casing Diameter:</b>                                |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                            |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                               |                          | ft                                 |                          |             |           |

| <b>Map Key</b> | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|----------------|--------------------------|------------------------------------|--------------------------|-------------|-----------|
|----------------|--------------------------|------------------------------------|--------------------------|-------------|-----------|

**Construction Record - Casing**

**Casing ID:** 930085741  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 90.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930085742  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 275.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991527456  
**Pump Set At:**  
**Static Level:** 23.0  
**Final Level After Pumping:** 125.0  
**Recommended Pump Depth:** 150.0  
**Pumping Rate:** 25.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 20.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:**  
**Water State After Test:**  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934385520  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 360.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934903639  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 125.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

| Map Key                                | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site               | DB |
|--|-------------------|----------------------------|------------------|--------------------|----|
| <b>Pump Test Detail ID:</b> 934110704  |                   |                            |                  |                    |    |
| <b>Test Type:</b> Draw Down            |                   |                            |                  |                    |    |
| <b>Test Duration:</b> 15               |                   |                            |                  |                    |    |
| <b>Test Level:</b> 360.0               |                   |                            |                  |                    |    |
| <b>Test Level UOM:</b> ft              |                   |                            |                  |                    |    |
| <b><u>Draw Down &amp; Recovery</u></b> |                   |                            |                  |                    |    |
| <b>Pump Test Detail ID:</b> 934654845  |                   |                            |                  |                    |    |
| <b>Test Type:</b> Draw Down            |                   |                            |                  |                    |    |
| <b>Test Duration:</b> 45               |                   |                            |                  |                    |    |
| <b>Test Level:</b> 150.0               |                   |                            |                  |                    |    |
| <b>Test Level UOM:</b> ft              |                   |                            |                  |                    |    |
| <b><u>Water Details</u></b>            |                   |                            |                  |                    |    |
| <b>Water ID:</b> 933486916             |                   |                            |                  |                    |    |
| <b>Layer:</b> 1                        |                   |                            |                  |                    |    |
| <b>Kind Code:</b> 5                    |                   |                            |                  |                    |    |
| <b>Kind:</b> Not stated                |                   |                            |                  |                    |    |
| <b>Water Found Depth:</b> 194.0        |                   |                            |                  |                    |    |
| <b>Water Found Depth UOM:</b> ft       |                   |                            |                  |                    |    |
| <b><u>Links</u></b>                    |                   |                            |                  |                    |    |
| <b>Bore Hole ID:</b> 10049101          |                   | <b>Tag No:</b>             |                  |                    |    |
| <b>Depth M:</b> 111.252                |                   | <b>Contractor:</b>         |                  | 1558               |    |
| <b>Year Completed:</b> 1993            |                   | <b>Latitude:</b>           |                  | 45.1879088888346   |    |
| <b>Well Completed Dt:</b> 09/09/1993   |                   | <b>Longitude:</b>          |                  | -75.6601644464699  |    |
| <b>Audit No:</b> 135984                |                   | <b>Y:</b>                  |                  | 45.18790888190751  |    |
| <b>Path:</b> 152\1527456.pdf           |                   | <b>X:</b>                  |                  | -75.66016428445259 |    |

| <u>4</u>                                  | 6 of 6 | WSW/0.0   | 90.9 / -1.00 | lot 13 con A<br>ON | WWIS |
|---|--------|---|--------------|--------------------|------|
| <b>Well ID:</b> 1529962                   |        | <b>Flowing (Y/N):</b>   |              |                    |      |
| <b>Construction Date:</b>                 |        | <b>Flow Rate:</b>   |              |                    |      |
| <b>Use 1st:</b> Domestic                  |        | <b>Data Entry Status:</b>   |              |                    |      |
| <b>Use 2nd:</b>                           |        | <b>Data Src:</b> 1  |              |                    |      |
| <b>Final Well Status:</b> Water Supply    |        | <b>Date Received:</b> 03/04/1998  |              |                    |      |
| <b>Water Type:</b>                        |        | <b>Selected Flag:</b> TRUE  |              |                    |      |
| <b>Casing Material:</b>                   |        | <b>Abandonment Rec:</b>   |              |                    |      |
| <b>Audit No:</b> 183466                   |        | <b>Contractor:</b> 1119   |              |                    |      |
| <b>Tag:</b>                               |        | <b>Form Version:</b> 1  |              |                    |      |
| <b>Constructn Method:</b>                 |        | <b>Owner:</b>   |              |                    |      |
| <b>Elevation (m):</b>                     |        | <b>County:</b> OTTAWA-CARLETON  |              |                    |      |
| <b>Elevatn Reliabilty:</b>                |        | <b>Lot:</b> 013   |              |                    |      |
| <b>Depth to Bedrock:</b>                  |        | <b>Concession:</b> A  |              |                    |      |
| <b>Well Depth:</b>                        |        | <b>Concession Name:</b> CON   |              |                    |      |
| <b>Overburden/Bedrock:</b>                |        | <b>Easting NAD83:</b>   |              |                    |      |
| <b>Pump Rate:</b>                         |        | <b>Northing NAD83:</b>  |              |                    |      |
| <b>Static Water Level:</b>                |        | <b>Zone:</b>  |              |                    |      |
| <b>Clear/Cloudy:</b>                      |        | <b>UTM Reliability:</b>   |              |                    |      |
| <b>Municipality:</b> NORTH GOWER TOWNSHIP |        |   |              |                    |      |
| <b>Site Info:</b>                         |        |   |              |                    |      |
| <b>PDF URL (Map):</b>                     |        | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1529962.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1529962.pdf</a> |              |                    |      |

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

| Map Key                     | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|-----------------------------|-------------------|----------------------------|------------------|------|----|
| <b>Well Completed Date:</b> |                   | 12/08/1997                 |                  |      |    |
| <b>Year Completed:</b>      |                   | 1997                       |                  |      |    |
| <b>Depth (m):</b>           |                   | 43.2816                    |                  |      |    |
| <b>Latitude:</b>            |                   | 45.18790888888346          |                  |      |    |
| <b>Longitude:</b>           |                   | -75.6601644464699          |                  |      |    |
| <b>Path:</b>                |                   | 152\1529962.pdf            |                  |      |    |

**Bore Hole Information**

|                                     |              |                         |             |
|-------------------------------------|--------------|-------------------------|-------------|
| <b>Bore Hole ID:</b>                | 10051497     | <b>Elevation:</b>       |             |
| <b>DP2BR:</b>                       |              | <b>Elevrc:</b>          |             |
| <b>Spatial Status:</b>              |              | <b>Zone:</b>            | 18          |
| <b>Code OB:</b>                     |              | <b>East83:</b>          | 448139.30   |
| <b>Code OB Desc:</b>                |              | <b>North83:</b>         | 5004037.00  |
| <b>Open Hole:</b>                   |              | <b>Org CS:</b>          |             |
| <b>Cluster Kind:</b>                |              | <b>UTMRC:</b>           | 9           |
| <b>Date Completed:</b>              | 12/08/1997   | <b>UTMRC Desc:</b>      | unknown UTM |
| <b>Remarks:</b>                     |              | <b>Location Method:</b> | lot         |
| <b>Loc Method Desc:</b>             | Lot centroid |                         |             |
| <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>            | 931074044 |
| <b>Layer:</b>                   | 2         |
| <b>Color:</b>                   |           |
| <b>General Color:</b>           |           |
| <b>Mat1:</b>                    | 28        |
| <b>Most Common Material:</b>    | SAND      |
| <b>Mat2:</b>                    | 13        |
| <b>Mat2 Desc:</b>               | BOULDERS  |
| <b>Mat3:</b>                    |           |
| <b>Mat3 Desc:</b>               |           |
| <b>Formation Top Depth:</b>     | 4.0       |
| <b>Formation End Depth:</b>     | 62.0      |
| <b>Formation End Depth UOM:</b> | ft        |

**Overburden and Bedrock**

**Materials Interval**

|                                 |           |
|---------------------------------|-----------|
| <b>Formation ID:</b>            | 931074043 |
| <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>     | 4.0       |
| <b>Formation End Depth UOM:</b> | ft        |

**Overburden and Bedrock**

**Materials Interval**

| <b>Map Key</b>   | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|--|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Formation ID:</b>                                   |                          | 931074045                          |                          |             |           |
| <b>Layer:</b>  |                          | 3                                  |                          |             |           |
| <b>Color:</b>  |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                  |                          | GREY                               |                          |             |           |
| <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>                            |                          | 62.0                               |                          |             |           |
| <b>Formation End Depth:</b>                            |                          | 142.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>                        |                          | ft                                 |                          |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                                    |                          |             |           |
| <b>Plug ID:</b>  |                          | 933115059                          |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>                                      |                          | 2.0                                |                          |             |           |
| <b>Plug To:</b>  |                          | 67.0                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>    |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                         |                          | 961529962                          |                          |             |           |
| <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>  |                          | 10600067                           |                          |             |           |
| <b>Casing No:</b>                                      |                          | 1                                  |                          |             |           |
| <b>Comment:</b>  |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                       |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>             |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                      |                          | 930089720                          |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>                          |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                                     |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                       |                          | 67.0                               |                          |             |           |
| <b>Casing Diameter:</b>                                |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                            |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                               |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>             |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                      |                          | 930089721                          |                          |             |           |
| <b>Layer:</b>  |                          | 2                                  |                          |             |           |
| <b>Material:</b>                                       |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                          |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                                     |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                       |                          | 142.0                              |                          |             |           |
| <b>Casing Diameter:</b>                                |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                            |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                               |                          | ft                                 |                          |             |           |

| <b>Map Key</b>                              | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b><u>Results of Well Yield Testing</u></b> |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b>            |                          | PUMP                               |                          |             |           |
| <b>Pump Test ID:</b>                        |                          | 991529962                          |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          | 10.0                               |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          | 120.0                              |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          | 100.0                              |                          |             |           |
| <b>Pumping Rate:</b>                        |                          | 21.0                               |                          |             |           |
| <b>Flowing Rate:</b>                        |                          |                                    |                          |             |           |
| <b>Recommended Pump Rate:</b>               |                          | 21.0                               |                          |             |           |
| <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>                 |                          | 934117188                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                       |                          | 15                                 |                          |             |           |
| <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>                 |                          | 934909863                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                       |                          | 60                                 |                          |             |           |
| <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>                 |                          | 934661324                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                       |                          | 45                                 |                          |             |           |
| <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>                 |                          | 934391745                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                       |                          | 30                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 10.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Water Details</u></b>                 |                          |                                    |                          |             |           |
| <b>Water ID:</b>                            |                          | 933489946                          |                          |             |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Kind Code:</b>                           |                          | 1                                  |                          |             |           |
| <b>Kind:</b>                                |                          | FRESH                              |                          |             |           |
| <b>Water Found Depth:</b>                   |                          | 120.0                              |                          |             |           |
| <b>Water Found Depth UOM:</b>               |                          | ft                                 |                          |             |           |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

**Water Details**

**Water ID:** 933489947  
**Layer:** 2  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 136.0  
**Water Found Depth UOM:** ft

**Links**

|                           |                 |                    |                    |
|---------------------------|-----------------|--------------------|--------------------|
| <b>Bore Hole ID:</b>      | 10051497        | <b>Tag No:</b>     |                    |
| <b>Depth M:</b>           | 43.2816         | <b>Contractor:</b> | 1119               |
| <b>Year Completed:</b>    | 1997            | <b>Latitude:</b>   | 45.1879088888346   |
| <b>Well Completed Dt:</b> | 12/08/1997      | <b>Longitude:</b>  | -75.6601644464699  |
| <b>Audit No:</b>          | 183466          | <b>Y:</b>          | 45.18790888190751  |
| <b>Path:</b>              | 152\1529962.pdf | <b>X:</b>          | -75.66016428445259 |

|          |        |                 |                     |  |             |
|----------|--------|-----------------|---------------------|--|-------------|
| <b>5</b> | 1 of 1 | <b>ENE/69.2</b> | <b>89.9 / -2.00</b> | <b>6168 BIDEAU VALLEY DR<br/>MANOTICK ON</b> | <b>WWIS</b> |
|----------|--------|-----------------|---------------------|--|-------------|

|                             |                      |                           |                 |
|-----------------------------|----------------------|---------------------------|-----------------|
| <b>Well ID:</b>             | 7189206              | <b>Flowing (Y/N):</b>     |                 |
| <b>Construction Date:</b>   |                      | <b>Flow Rate:</b>         |                 |
| <b>Use 1st:</b>             | Domestic             | <b>Data Entry Status:</b> |                 |
| <b>Use 2nd:</b>             |                      | <b>Data Src:</b>          |                 |
| <b>Final Well Status:</b>   | Water Supply         | <b>Date Received:</b>     | 10/05/2012      |
| <b>Water Type:</b>          |                      | <b>Selected Flag:</b>     | TRUE            |
| <b>Casing Material:</b>     |                      | <b>Abandonment Rec:</b>   |                 |
| <b>Audit No:</b>            | Z153113              | <b>Contractor:</b>        | 6364            |
| <b>Tag:</b>                 | A094199              | <b>Form Version:</b>      | 7               |
| <b>Constructn Method:</b>   |                      | <b>Owner:</b>             |                 |
| <b>Elevation (m):</b>       |                      | <b>County:</b>            | OTTAWA-CARLETON |
| <b>Elevatn Reliability:</b> |                      | <b>Lot:</b>               |                 |
| <b>Depth to Bedrock:</b>    |                      | <b>Concession:</b>        |                 |
| <b>Well Depth:</b>          |                      | <b>Concession Name:</b>   |                 |
| <b>Overburden/Bedrock:</b>  |                      | <b>Easting NAD83:</b>     |                 |
| <b>Pump Rate:</b>           |                      | <b>Northing NAD83:</b>    |                 |
| <b>Static Water Level:</b>  |                      | <b>Zone:</b>              |                 |
| <b>Clear/Cloudy:</b>        |                      | <b>UTM Reliability:</b>   |                 |
| <b>Municipality:</b>        | NORTH GOWER TOWNSHIP |                           |                 |
| <b>Site Info:</b>           |                      |                           |                 |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/718\7189206.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/718\7189206.pdf)

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

**Well Completed Date:** 09/21/2012  
**Year Completed:** 2012  
**Depth (m):**  
**Latitude:** 45.1936577043558  
**Longitude:** -75.6433790781567  
**Path:** 718\7189206.pdf

**Bore Hole Information**

|                        |            |                   |            |
|------------------------|------------|-------------------|------------|
| <b>Bore Hole ID:</b>   | 1004174649 | <b>Elevation:</b> |            |
| <b>DP2BR:</b>          |            | <b>Elevrc:</b>    |            |
| <b>Spatial Status:</b> |            | <b>Zone:</b>      | 18         |
| <b>Code OB:</b>        |            | <b>East83:</b>    | 449463.00  |
| <b>Code OB Desc:</b>   |            | <b>North83:</b>   | 5004665.00 |
| <b>Open Hole:</b>      |            | <b>Org CS:</b>    | UTM83      |

| <b>Map Key</b>                                      | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b>             | <b>DB</b>                      |
|---|--------------------------|------------------------------------|--------------------------|-------------------------|--------------------------------|
| <b>Cluster Kind:</b>                                |                          |                                    |                          | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>                              | 09/21/2012               |                                    |                          | <b>UTMRC Desc:</b>      | margin of error : 30 m - 100 m |
| <b>Remarks:</b>                                     |                          |                                    |                          | <b>Location Method:</b> | wwr                            |
| <b>Loc Method Desc:</b>                             |                          | on Water Well Record               |                          |                         |                                |
| <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>                            |                          |                                    |                          |                         |                                |
| <br>  |                          |                                    |                          |                         |                                |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |                                    |                          |                         |                                |
| <b>Method Construction ID:</b>                      |                          | 1004474897                         |                          |                         |                                |
| <b>Method Construction Code:</b>                    |                          |                                    |                          |                         |                                |
| <b>Method Construction:</b>                         |                          |                                    |                          |                         |                                |
| <b>Other Method Construction:</b>                   |                          |                                    |                          |                         |                                |
| <br>  |                          |                                    |                          |                         |                                |
| <b><u>Pipe Information</u></b>                      |                          |                                    |                          |                         |                                |
| <b>Pipe ID:</b>                                     |                          | 1004474890                         |                          |                         |                                |
| <b>Casing No:</b>                                   |                          | 0                                  |                          |                         |                                |
| <b>Comment:</b>                                     |                          |                                    |                          |                         |                                |
| <b>Alt Name:</b>                                    |                          |                                    |                          |                         |                                |
| <br>  |                          |                                    |                          |                         |                                |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |                         |                                |
| <b>Casing ID:</b>                                   |                          | 1004474894                         |                          |                         |                                |
| <b>Layer:</b>                                       |                          |                                    |                          |                         |                                |
| <b>Material:</b>                                    |                          |                                    |                          |                         |                                |
| <b>Open Hole or Material:</b>                       |                          |                                    |                          |                         |                                |
| <b>Depth From:</b>                                  |                          |                                    |                          |                         |                                |
| <b>Depth To:</b>                                    |                          |                                    |                          |                         |                                |
| <b>Casing Diameter:</b>                             |                          |                                    |                          |                         |                                |
| <b>Casing Diameter UOM:</b>                         |                          | inch                               |                          |                         |                                |
| <b>Casing Depth UOM:</b>                            |                          | ft                                 |                          |                         |                                |
| <br>  |                          |                                    |                          |                         |                                |
| <b><u>Construction Record - Screen</u></b>          |                          |                                    |                          |                         |                                |
| <b>Screen ID:</b>                                   |                          | 1004474895                         |                          |                         |                                |
| <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>                             |                          |                                    |                          |                         |                                |
| <br>  |                          |                                    |                          |                         |                                |
| <b><u>Water Details</u></b>                         |                          |                                    |                          |                         |                                |
| <b>Water ID:</b>                                    |                          | 1004474893                         |                          |                         |                                |
| <b>Layer:</b>                                       |                          |                                    |                          |                         |                                |
| <b>Kind Code:</b>                                   |                          |                                    |                          |                         |                                |
| <b>Kind:</b>  |                          |                                    |                          |                         |                                |
| <b>Water Found Depth:</b>                           |                          |                                    |                          |                         |                                |
| <b>Water Found Depth UOM:</b>                       |                          | ft                                 |                          |                         |                                |
| <br>  |                          |                                    |                          |                         |                                |
| <b><u>Hole Diameter</u></b>                         |                          |                                    |                          |                         |                                |



| Map Key            | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site        | DB                |
|--------------------|-------------------|----------------------------|------------------|-------------|-------------------|
| Hole ID:           |                   | 1004474892                 |                  |             |                   |
| Diameter:          |                   |                            |                  |             |                   |
| Depth From:        |                   |                            |                  |             |                   |
| Depth To:          |                   |                            |                  |             |                   |
| Hole Depth UOM:    |                   | ft                         |                  |             |                   |
| Hole Diameter UOM: |                   | inch                       |                  |             |                   |
| <b>Links</b>       |                   |                            |                  |             |                   |
| Bore Hole ID:      | 1004174649        |                            |                  | Tag No:     | A094199           |
| Depth M:           |                   |                            |                  | Contractor: | 6364              |
| Year Completed:    | 2012              |                            |                  | Latitude:   | 45.1936577043558  |
| Well Completed Dt: | 09/21/2012        |                            |                  | Longitude:  | -75.6433790781567 |
| Audit No:          | Z153113           |                            |                  | Y:          | 45.19365769648631 |
| Path:              | 718\7189206.pdf   |                            |                  | X:          | -75.6433789172001 |

| <u>6</u>            | 1 of 1         | NE/84.6 | 89.9 / -2.00 | ON                 | BORE           |
|---------------------|----------------|---------|--------------|--------------------|----------------|
| Borehole ID:        | 611664         |         |              | Inclin FLG:        | No             |
| OGF ID:             | 215512980      |         |              | SP Status:         | Initial Entry  |
| Status:             |                |         |              | Surv Elev:         | No             |
| Type:               | Borehole       |         |              | Piezometer:        | No             |
| Use:                |                |         |              | Primary Name:      |                |
| Completion Date:    |                |         |              | Municipality:      |                |
| Static Water Level: |                |         |              | Lot:               |                |
| Primary Water Use:  |                |         |              | Township:          |                |
| Sec. Water Use:     |                |         |              | Latitude DD:       | 45.195494      |
| Total Depth m:      | -999           |         |              | Longitude DD:      | -75.648267     |
| Depth Ref:          | Ground Surface |         |              | UTM Zone:          | 18             |
| Depth Elev:         |                |         |              | Easting:           | 449081         |
| Drill Method:       |                |         |              | Northing:          | 5004872        |
| Orig Ground Elev m: | 91.4           |         |              | Location Accuracy: |                |
| Elev Reliabil Note: |                |         |              | Accuracy:          | Not Applicable |
| DEM Ground Elev m:  | 90.6           |         |              |                    |                |
| Concession:         |                |         |              |                    |                |
| Location D:         |                |         |              |                    |                |
| Survey D:           |                |         |              |                    |                |
| Comments:           |                |         |              |                    |                |

**Borehole Geology Stratum**

|                           |   |  |  |                     |  |
|---------------------------|---|--|--|---------------------|--|
| Geology Stratum ID:       | 218388878   |  |  | Mat Consistency:    |  |
| Top Depth:                | 3.4   |  |  | Material Moisture:  |  |
| Bottom Depth:             | 9.8   |  |  | Material Texture:   |  |
| Material Color:           |   |  |  | Non Geo Mat Type:   |  |
| Material 1:               | Gravel  |  |  | Geologic Formation: |  |
| Material 2:               | Boulders  |  |  | Geologic Group:     |  |
| Material 3:               |   |  |  | Geologic Period:    |  |
| Material 4:               |   |  |  | Depositional Gen:   |  |
| Gsc Material Description: |   |  |  |                     |  |
| Stratum Description:      | GRAVEL,BOULDERS.  |  |  |                     |  |
| Geology Stratum ID:       | 218388879   |  |  | Mat Consistency:    |  |
| Top Depth:                | 9.8   |  |  | Material Moisture:  |  |
| Bottom Depth:             |   |  |  | Material Texture:   |  |
| Material Color:           | Blue  |  |  | Non Geo Mat Type:   |  |
| Material 1:               | Bedrock   |  |  | Geologic Formation: |  |
| Material 2:               | Shale   |  |  | Geologic Group:     |  |
| Material 3:               |   |  |  | Geologic Period:    |  |
| Material 4:               |   |  |  | Depositional Gen:   |  |
| Gsc Material Description: |   |  |  |                     |  |
| Stratum Description:      | BEDROCK,SHALE. FEET.BEDROCK,LIMESTONE. BLUE. 00143. GREY. LIMESTONE. GREY. 0008 **Note: |  |  |                     |  |

| Map Key   | Number of Records                                    | Direction/<br>Distance (m) | Elev/Diff<br>(m)    | Site                       | DB                            |
|---|--|----------------------------|---------------------|----------------------------|-------------------------------|
| Many records provided by the department have a truncated [Stratum Description] field. |  |                            |                     |                            |                               |
| <b>Geology Stratum ID:</b>  | 218388876  |                            |                     | <b>Mat Consistency:</b>    |                               |
| <b>Top Depth:</b>   | 0  |                            |                     | <b>Material Moisture:</b>  |                               |
| <b>Bottom Depth:</b>  | 2.4  |                            |                     | <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>Geology Stratum ID:</b>  | 218388877  |                            |                     | <b>Mat Consistency:</b>    |                               |
| <b>Top Depth:</b>   | 2.4  |                            |                     | <b>Material Moisture:</b>  |                               |
| <b>Bottom Depth:</b>  | 3.4  |                            |                     | <b>Material Texture:</b>   |                               |
| <b>Material Color:</b>  |  |                            |                     | <b>Non Geo Mat Type:</b>   |                               |
| <b>Material 1:</b>  | Sand   |                            |                     | <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>   |  | SAND.                      |                     |                            |                               |
| <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: 041720 NTS_Sheet: 31G04G |                            |                     |                            |                               |
| <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>7</b>  | <b>1 of 1</b>  | <b>SW/109.3</b>            | <b>89.2 / -2.69</b> | <b>ON</b>                  | <b>BORE</b>                   |
| <b>Borehole ID:</b>   | 611639   |                            |                     | <b>Inclin FLG:</b>         | No                            |
| <b>OGF ID:</b>  | 215512956  |                            |                     | <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>        | 45.185797                     |
| <b>Total Depth m:</b>   | -999   |                            |                     | <b>Longitude DD:</b>       | -75.659612                    |
| <b>Depth Ref:</b>   | Ground Surface                                       |                            |                     | <b>UTM Zone:</b>           | 18                            |
| <b>Depth Elev:</b>  |  |                            |                     | <b>Easting:</b>            | 448181                        |
| <b>Drill Method:</b>  |  |                            |                     | <b>Northing:</b>           | 5003802                       |
| <b>Orig Ground Elev m:</b>  | 85.8   |                            |                     | <b>Location Accuracy:</b>  |                               |
| <b>Elev Reliabil Note:</b>  |  |                            |                     | <b>Accuracy:</b>           | Not Applicable                |
| <b>DEM Ground Elev m:</b>   | 89.2   |                            |                     |                            |                               |

| Map Key  | Number of Records  | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                       | DB      |
|--|--|----------------------------|------------------|----------------------------|---------|
| <b>Concession:</b><br><b>Location D:</b><br><b>Survey D:</b><br><b>Comments:</b> |  |                            |                  |                            |         |
| <b><u>Borehole Geology Stratum</u></b>   |  |                            |                  |                            |         |
| <b>Geology Stratum ID:</b>   | 218388817  |                            |                  | <b>Mat Consistency:</b>    |         |
| <b>Top Depth:</b>  | .8   |                            |                  | <b>Material Moisture:</b>  |         |
| <b>Bottom Depth:</b>   | 2  |                            |                  | <b>Material Texture:</b>   |         |
| <b>Material Color:</b>   | Red  |                            |                  | <b>Non Geo Mat Type:</b>   |         |
| <b>Material 1:</b>   | Bedrock  |                            |                  | <b>Geologic Formation:</b> |         |
| <b>Material 2:</b>   | Shale  |                            |                  | <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, SHALE. WEATHERED.   |                            |                  |                            |         |
| <b>Geology Stratum ID:</b>   | 218388815  |                            |                  | <b>Mat Consistency:</b>    | Compact |
| <b>Top Depth:</b>  | .2   |                            |                  | <b>Material Moisture:</b>  |         |
| <b>Bottom Depth:</b>   | .5   |                            |                  | <b>Material Texture:</b>   |         |
| <b>Material Color:</b>   |  |                            |                  | <b>Non Geo Mat Type:</b>   |         |
| <b>Material 1:</b>   | Till   |                            |                  | <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>  | TILL. COMPACT.   |                            |                  |                            |         |
| <b>Geology Stratum ID:</b>   | 218388814  |                            |                  | <b>Mat Consistency:</b>    |         |
| <b>Top Depth:</b>  | 0  |                            |                  | <b>Material Moisture:</b>  |         |
| <b>Bottom Depth:</b>   | .2   |                            |                  | <b>Material Texture:</b>   |         |
| <b>Material Color:</b>   |  |                            |                  | <b>Non Geo Mat Type:</b>   |         |
| <b>Material 1:</b>   | Soil   |                            |                  | <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>  | SOIL.  |                            |                  |                            |         |
| <b>Geology Stratum ID:</b>   | 218388818  |                            |                  | <b>Mat Consistency:</b>    | Firm    |
| <b>Top Depth:</b>  | 2  |                            |                  | <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>   | Shale  |                            |                  | <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, SHALE. N, BOULDERS. GREY. LIMESTONE. GREY. 00086. GREY, FIRM. SAND. BROWN. BED<br>**Note: Many records provided by the department have a truncated [Stratum Description] field. |                            |                  |                            |         |
| <b>Geology Stratum ID:</b>   | 218388816  |                            |                  | <b>Mat Consistency:</b>    | Compact |
| <b>Top Depth:</b>  | .5   |                            |                  | <b>Material Moisture:</b>  |         |
| <b>Bottom Depth:</b>   | .8   |                            |                  | <b>Material Texture:</b>   |         |
| <b>Material Color:</b>   |  |                            |                  | <b>Non Geo Mat Type:</b>   |         |
| <b>Material 1:</b>   | Till   |                            |                  | <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>  | TILL. COMPACT.   |                            |                  |                            |         |

**Source**

| Map Key                     | Number of Records  | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                     | DB                            |
|-----------------------------|--|----------------------------|------------------|--------------------------|-------------------------------|
| <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>          | H  |                            |                  | <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: 041470 NTS_Sheet: 31G05B                               |                            |                  |                          |                               |
| <b>Confiden 1:</b>          | Logged by professional. Exact and complete description of material and properties. |                            |                  |                          |                               |
| <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  |                            |                  |                          |                               |

| <u>8</u>                    | 1 of 1  | NE/170.3 | 90.9 / -1.00 | lot 12<br>ON              | WWIS            |
|-----------------------------|---|----------|--------------|---------------------------|-----------------|
| <b>Well ID:</b>             | 1513228   |          |              | <b>Flowing (Y/N):</b>     |                 |
| <b>Construction Date:</b>   |   |          |              | <b>Flow Rate:</b>         |                 |
| <b>Use 1st:</b>             | Domestic  |          |              | <b>Data Entry Status:</b> |                 |
| <b>Use 2nd:</b>             | 0   |          |              | <b>Data Src:</b>          | 1               |
| <b>Final Well Status:</b>   | Water Supply  |          |              | <b>Date Received:</b>     | 06/14/1973      |
| <b>Water Type:</b>          |   |          |              | <b>Selected Flag:</b>     | TRUE            |
| <b>Casing Material:</b>     |   |          |              | <b>Abandonment Rec:</b>   |                 |
| <b>Audit No:</b>            |   |          |              | <b>Contractor:</b>        | 1558            |
| <b>Tag:</b>                 |   |          |              | <b>Form Version:</b>      | 1               |
| <b>Constructn Method:</b>   |   |          |              | <b>Owner:</b>             |                 |
| <b>Elevation (m):</b>       |   |          |              | <b>County:</b>            | OTTAWA-CARLETON |
| <b>Elevatn Reliability:</b> |   |          |              | <b>Lot:</b>               | 012             |
| <b>Depth to Bedrock:</b>    |   |          |              | <b>Concession:</b>        |                 |
| <b>Well Depth:</b>          |   |          |              | <b>Concession Name:</b>   | BF              |
| <b>Overburden/Bedrock:</b>  |   |          |              | <b>Easting NAD83:</b>     |                 |
| <b>Pump Rate:</b>           |   |          |              | <b>Northing NAD83:</b>    |                 |
| <b>Static Water Level:</b>  |   |          |              | <b>Zone:</b>              |                 |
| <b>Clear/Cloudy:</b>        |   |          |              | <b>UTM Reliability:</b>   |                 |
| <b>Municipality:</b>        | NORTH GOWER TOWNSHIP  |          |              |                           |                 |
| <b>Site Info:</b>           |   |          |              |                           |                 |
| <b>PDF URL (Map):</b>       | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513228.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513228.pdf</a> |          |              |                           |                 |

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

|                             |                   |
|-----------------------------|-------------------|
| <b>Well Completed Date:</b> | 05/11/1973        |
| <b>Year Completed:</b>      | 1973              |
| <b>Depth (m):</b>           | 75.5904           |
| <b>Latitude:</b>            | 45.197270804607   |
| <b>Longitude:</b>           | -75.6459572144616 |
| <b>Path:</b>                | 151\1513228.pdf   |

**Bore Hole Information**

|                        |          |                   |            |
|------------------------|----------|-------------------|------------|
| <b>Bore Hole ID:</b>   | 10035216 | <b>Elevation:</b> |            |
| <b>DP2BR:</b>          |          | <b>Elevrc:</b>    |            |
| <b>Spatial Status:</b> |          | <b>Zone:</b>      | 18         |
| <b>Code OB:</b>        |          | <b>East83:</b>    | 449263.70  |
| <b>Code OB Desc:</b>   |          | <b>North83:</b>   | 5005068.00 |
| <b>Open Hole:</b>      |          | <b>Org CS:</b>    |            |

| Map Key                              | Number of Records | Direction/<br>Distance (m)                                      | Elev/Diff<br>(m) | Site                    | DB                             |
|--------------------------------------|-------------------|---|------------------|-------------------------|--------------------------------|
| <b>Cluster Kind:</b>                 |                   |   |                  | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>               | 05/11/1973        |   |                  | <b>UTMRC Desc:</b>      | margin of error : 30 m - 100 m |
| <b>Remarks:</b>                      |                   |   |                  | <b>Location Method:</b> | p4                             |
| <b>Loc Method Desc:</b>              |                   | Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m |                  |                         |                                |
| <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>                 |                   | 931022748   |                  |                         |                                |
| <b>Layer:</b>                        |                   | 4   |                  |                         |                                |
| <b>Color:</b>                        |                   | 2   |                  |                         |                                |
| <b>General Color:</b>                |                   | GREY  |                  |                         |                                |
| <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>          |                   | 58.0  |                  |                         |                                |
| <b>Formation End Depth:</b>          |                   | 248.0   |                  |                         |                                |
| <b>Formation End Depth UOM:</b>      |                   | ft  |                  |                         |                                |
| <b><u>Overburden and Bedrock</u></b> |                   |   |                  |                         |                                |
| <b><u>Materials Interval</u></b>     |                   |   |                  |                         |                                |
| <b>Formation ID:</b>                 |                   | 931022747   |                  |                         |                                |
| <b>Layer:</b>                        |                   | 3   |                  |                         |                                |
| <b>Color:</b>                        |                   | 2   |                  |                         |                                |
| <b>General Color:</b>                |                   | GREY  |                  |                         |                                |
| <b>Mat1:</b>                         |                   | 28  |                  |                         |                                |
| <b>Most Common Material:</b>         |                   | SAND  |                  |                         |                                |
| <b>Mat2:</b>                         |                   | 11  |                  |                         |                                |
| <b>Mat2 Desc:</b>                    |                   | GRAVEL  |                  |                         |                                |
| <b>Mat3:</b>                         |                   | 13  |                  |                         |                                |
| <b>Mat3 Desc:</b>                    |                   | BOULDERS  |                  |                         |                                |
| <b>Formation Top Depth:</b>          |                   | 41.0  |                  |                         |                                |
| <b>Formation End Depth:</b>          |                   | 58.0  |                  |                         |                                |
| <b>Formation End Depth UOM:</b>      |                   | ft  |                  |                         |                                |
| <b><u>Overburden and Bedrock</u></b> |                   |   |                  |                         |                                |
| <b><u>Materials Interval</u></b>     |                   |   |                  |                         |                                |
| <b>Formation ID:</b>                 |                   | 931022745   |                  |                         |                                |
| <b>Layer:</b>                        |                   | 1   |                  |                         |                                |
| <b>Color:</b>                        |                   | 6   |                  |                         |                                |
| <b>General Color:</b>                |                   | BROWN   |                  |                         |                                |
| <b>Mat1:</b>                         |                   | 28  |                  |                         |                                |
| <b>Most Common Material:</b>         |                   | SAND  |                  |                         |                                |
| <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>          |                   | 11.0  |                  |                         |                                |
| <b>Formation End Depth 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>Overburden and Bedrock Materials Interval</u></b> |                          |                                |                      |             |           |
| <b>Formation ID:</b>                                    |                          | 931022746                      |                      |             |           |
| <b>Layer:</b>   |                          | 2                              |                      |             |           |
| <b>Color:</b>   |                          | 3                              |                      |             |           |
| <b>General Color:</b>                                   |                          | BLUE                           |                      |             |           |
| <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>                             |                          | 11.0                           |                      |             |           |
| <b>Formation End Depth:</b>                             |                          | 41.0                           |                      |             |           |
| <b>Formation End Depth UOM:</b>                         |                          | ft                             |                      |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>     |                          |                                |                      |             |           |
| <b>Method Construction ID:</b>                          |                          | 961513228                      |                      |             |           |
| <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>   |                          | 10583786                       |                      |             |           |
| <b>Casing No:</b>                                       |                          | 1                              |                      |             |           |
| <b>Comment:</b>   |                          |                                |                      |             |           |
| <b>Alt Name:</b>  |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>              |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                       |                          | 930062408                      |                      |             |           |
| <b>Layer:</b>   |                          | 2                              |                      |             |           |
| <b>Material:</b>  |                          | 4                              |                      |             |           |
| <b>Open Hole or Material:</b>                           |                          | OPEN HOLE                      |                      |             |           |
| <b>Depth From:</b>                                      |                          |                                |                      |             |           |
| <b>Depth To:</b>  |                          | 248.0                          |                      |             |           |
| <b>Casing Diameter:</b>                                 |                          | 6.0                            |                      |             |           |
| <b>Casing Diameter UOM:</b>                             |                          | inch                           |                      |             |           |
| <b>Casing Depth UOM:</b>                                |                          | ft                             |                      |             |           |
| <b><u>Construction Record - Casing</u></b>              |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                       |                          | 930062407                      |                      |             |           |
| <b>Layer:</b>   |                          | 1                              |                      |             |           |
| <b>Material:</b>  |                          | 1                              |                      |             |           |
| <b>Open Hole or Material:</b>                           |                          | STEEL                          |                      |             |           |
| <b>Depth From:</b>                                      |                          |                                |                      |             |           |
| <b>Depth To:</b>  |                          | 62.0                           |                      |             |           |
| <b>Casing Diameter:</b>                                 |                          | 6.0                            |                      |             |           |
| <b>Casing Diameter UOM:</b>                             |                          | inch                           |                      |             |           |
| <b>Casing Depth UOM:</b>                                |                          | ft                             |                      |             |           |
| <b><u>Results of Well Yield Testing</u></b>             |                          |                                |                      |             |           |
| <b>Pumping Test Method Desc:</b>                        |                          | PUMP                           |                      |             |           |
| <b>Pump Test ID:</b>                                    |                          | 991513228                      |                      |             |           |
| <b>Pump Set At:</b>                                     |                          |                                |                      |             |           |
| <b>Static Level:</b>                                    |                          | 30.0                           |                      |             |           |

| <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>Final Level After Pumping:</i>          |                          | 90.0                           |                      |             |           |
| <i>Recommended Pump Depth:</i>             |                          | 125.0                          |                      |             |           |
| <i>Pumping Rate:</i>                       |                          | 6.0                            |                      |             |           |
| <i>Flowing Rate:</i>                       |                          |                                |                      |             |           |
| <i>Recommended Pump Rate:</i>              |                          | 5.0                            |                      |             |           |
| <i>Levels UOM:</i>                         |                          | ft                             |                      |             |           |
| <i>Rate UOM:</i>                           |                          | GPM                            |                      |             |           |
| <i>Water State After Test Code:</i>        |                          | 1                              |                      |             |           |
| <i>Water State After Test:</i>             |                          | CLEAR                          |                      |             |           |
| <i>Pumping Test Method:</i>                |                          | 1                              |                      |             |           |
| <i>Pumping Duration HR:</i>                |                          | 1                              |                      |             |           |
| <i>Pumping Duration MIN:</i>               |                          | 0                              |                      |             |           |
| <i>Flowing:</i>                            |                          | No                             |                      |             |           |
| <br><b><u>Draw Down &amp; Recovery</u></b> |                          |                                |                      |             |           |
| <i>Pump Test Detail ID:</i>                |                          | 934639051                      |                      |             |           |
| <i>Test Type:</i>                          |                          | Draw Down                      |                      |             |           |
| <i>Test Duration:</i>                      |                          | 45                             |                      |             |           |
| <i>Test Level:</i>                         |                          | 90.0                           |                      |             |           |
| <i>Test Level UOM:</i>                     |                          | ft                             |                      |             |           |
| <br><b><u>Draw Down &amp; Recovery</u></b> |                          |                                |                      |             |           |
| <i>Pump Test Detail ID:</i>                |                          | 934098940                      |                      |             |           |
| <i>Test Type:</i>                          |                          | Draw Down                      |                      |             |           |
| <i>Test Duration:</i>                      |                          | 15                             |                      |             |           |
| <i>Test Level:</i>                         |                          | 90.0                           |                      |             |           |
| <i>Test Level UOM:</i>                     |                          | ft                             |                      |             |           |
| <br><b><u>Draw Down &amp; Recovery</u></b> |                          |                                |                      |             |           |
| <i>Pump Test Detail ID:</i>                |                          | 934378053                      |                      |             |           |
| <i>Test Type:</i>                          |                          | Draw Down                      |                      |             |           |
| <i>Test Duration:</i>                      |                          | 30                             |                      |             |           |
| <i>Test Level:</i>                         |                          | 90.0                           |                      |             |           |
| <i>Test Level UOM:</i>                     |                          | ft                             |                      |             |           |
| <br><b><u>Draw Down &amp; Recovery</u></b> |                          |                                |                      |             |           |
| <i>Pump Test Detail ID:</i>                |                          | 934896533                      |                      |             |           |
| <i>Test Type:</i>                          |                          | Draw Down                      |                      |             |           |
| <i>Test Duration:</i>                      |                          | 60                             |                      |             |           |
| <i>Test Level:</i>                         |                          | 90.0                           |                      |             |           |
| <i>Test Level UOM:</i>                     |                          | ft                             |                      |             |           |
| <br><b><u>Water Details</u></b>            |                          |                                |                      |             |           |
| <i>Water ID:</i>                           |                          | 933468734                      |                      |             |           |
| <i>Layer:</i>                              |                          | 1                              |                      |             |           |
| <i>Kind Code:</i>                          |                          | 1                              |                      |             |           |
| <i>Kind:</i>                               |                          | FRESH                          |                      |             |           |
| <i>Water Found Depth:</i>                  |                          | 190.0                          |                      |             |           |
| <i>Water Found Depth UOM:</i>              |                          | ft                             |                      |             |           |
| <br><b><u>Water Details</u></b>            |                          |                                |                      |             |           |
| <i>Water ID:</i>                           |                          | 933468735                      |                      |             |           |
| <i>Layer:</i>                              |                          | 2                              |                      |             |           |
| <i>Kind Code:</i>                          |                          | 1                              |                      |             |           |
| <i>Kind:</i>                               |                          | FRESH                          |                      |             |           |

| Map Key                       | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site               | DB                 |
|-------------------------------|-------------------|-------------------------|---------------|--------------------|--------------------|
| <b>Water Found Depth:</b>     |                   | 247.0                   |               |                    |                    |
| <b>Water Found Depth UOM:</b> |                   | ft                      |               |                    |                    |
| <b>Links</b>                  |                   |                         |               |                    |                    |
| <b>Bore Hole ID:</b>          | 10035216          |                         |               | <b>Tag No:</b>     |                    |
| <b>Depth M:</b>               | 75.5904           |                         |               | <b>Contractor:</b> | 1558               |
| <b>Year Completed:</b>        | 1973              |                         |               | <b>Latitude:</b>   | 45.197270804607    |
| <b>Well Completed Dt:</b>     | 05/11/1973        |                         |               | <b>Longitude:</b>  | -75.6459572144616  |
| <b>Audit No:</b>              |                   |                         |               | <b>Y:</b>          | 45.197270797885174 |
| <b>Path:</b>                  | 151\1513228.pdf   |                         |               | <b>X:</b>          | -75.64595705306242 |

| <u>9</u>                   | 1 of 1               | SW/188.3 | 88.9 / -3.00 | lot 14 con A<br>ON        | WWIS            |
|----------------------------|----------------------|----------|--------------|---------------------------|-----------------|
| <b>Well ID:</b>            | 1532322              |          |              | <b>Flowing (Y/N):</b>     |                 |
| <b>Construction Date:</b>  |                      |          |              | <b>Flow Rate:</b>         |                 |
| <b>Use 1st:</b>            | Domestic             |          |              | <b>Data Entry Status:</b> |                 |
| <b>Use 2nd:</b>            |                      |          |              | <b>Data Src:</b>          | 1               |
| <b>Final Well Status:</b>  | Water Supply         |          |              | <b>Date Received:</b>     | 10/15/2001      |
| <b>Water Type:</b>         |                      |          |              | <b>Selected Flag:</b>     | TRUE            |
| <b>Casing Material:</b>    |                      |          |              | <b>Abandonment Rec:</b>   |                 |
| <b>Audit No:</b>           | 230267               |          |              | <b>Contractor:</b>        | 1558            |
| <b>Tag:</b>                |                      |          |              | <b>Form Version:</b>      | 1               |
| <b>Constructn Method:</b>  |                      |          |              | <b>Owner:</b>             |                 |
| <b>Elevation (m):</b>      |                      |          |              | <b>County:</b>            | OTTAWA-CARLETON |
| <b>Elevatn Reliabilty:</b> |                      |          |              | <b>Lot:</b>               | 014             |
| <b>Depth to Bedrock:</b>   |                      |          |              | <b>Concession:</b>        | A               |
| <b>Well Depth:</b>         |                      |          |              | <b>Concession Name:</b>   | CON             |
| <b>Overburden/Bedrock:</b> |                      |          |              | <b>Easting NAD83:</b>     |                 |
| <b>Pump Rate:</b>          |                      |          |              | <b>Northing NAD83:</b>    |                 |
| <b>Static Water Level:</b> |                      |          |              | <b>Zone:</b>              |                 |
| <b>Clear/Cloudy:</b>       |                      |          |              | <b>UTM Reliability:</b>   |                 |
| <b>Municipality:</b>       | NORTH GOWER TOWNSHIP |          |              |                           |                 |
| <b>Site Info:</b>          |                      |          |              |                           |                 |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/153\1532322.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1532322.pdf)

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

**Well Completed Date:** 09/27/2001  
**Year Completed:** 2001  
**Depth (m):** 82.296  
**Latitude:** 45.1850840086122  
**Longitude:** -75.6567586240635  
**Path:** 153\1532322.pdf

**Bore Hole Information**

|                                     |              |                         |             |
|-------------------------------------|--------------|-------------------------|-------------|
| <b>Bore Hole ID:</b>                | 10516772     | <b>Elevation:</b>       |             |
| <b>DP2BR:</b>                       |              | <b>Elevrc:</b>          |             |
| <b>Spatial Status:</b>              |              | <b>Zone:</b>            | 18          |
| <b>Code OB:</b>                     |              | <b>East83:</b>          | 448404.30   |
| <b>Code OB Desc:</b>                |              | <b>North83:</b>         | 5003721.00  |
| <b>Open Hole:</b>                   |              | <b>Org CS:</b>          |             |
| <b>Cluster Kind:</b>                |              | <b>UTMRC:</b>           | 9           |
| <b>Date Completed:</b>              | 09/27/2001   | <b>UTMRC Desc:</b>      | unknown UTM |
| <b>Remarks:</b>                     |              | <b>Location Method:</b> | lot         |
| <b>Loc Method Desc:</b>             | Lot centroid |                         |             |
| <b>Elevrc Desc:</b>                 |              |                         |             |
| <b>Location Source Date:</b>        |              |                         |             |
| <b>Improvement Location Source:</b> |              |                         |             |



| Map Key                              | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|--------------------------------------|-------------------|----------------------------|------------------|------|----|
| <i>Improvement Location Method:</i>  |                   |                            |                  |      |    |
| <i>Source Revision Comment:</i>      |                   |                            |                  |      |    |
| <i>Supplier Comment:</i>             |                   |                            |                  |      |    |
| <b><u>Overburden and Bedrock</u></b> |                   |                            |                  |      |    |
| <b><u>Materials Interval</u></b>     |                   |                            |                  |      |    |
| <i>Formation ID:</i>                 |                   | 932832503                  |                  |      |    |
| <i>Layer:</i>                        |                   | 5                          |                  |      |    |
| <i>Color:</i>                        |                   | 2                          |                  |      |    |
| <i>General Color:</i>                |                   | GREY                       |                  |      |    |
| <i>Mat1:</i>                         |                   | 18                         |                  |      |    |
| <i>Most Common Material:</i>         |                   | SANDSTONE                  |                  |      |    |
| <i>Mat2:</i>                         |                   |                            |                  |      |    |
| <i>Mat2 Desc:</i>                    |                   |                            |                  |      |    |
| <i>Mat3:</i>                         |                   |                            |                  |      |    |
| <i>Mat3 Desc:</i>                    |                   |                            |                  |      |    |
| <i>Formation Top Depth:</i>          |                   | 203.0                      |                  |      |    |
| <i>Formation End Depth:</i>          |                   | 270.0                      |                  |      |    |
| <i>Formation End Depth UOM:</i>      |                   | ft                         |                  |      |    |
| <b><u>Overburden and Bedrock</u></b> |                   |                            |                  |      |    |
| <b><u>Materials Interval</u></b>     |                   |                            |                  |      |    |
| <i>Formation ID:</i>                 |                   | 932832500                  |                  |      |    |
| <i>Layer:</i>                        |                   | 2                          |                  |      |    |
| <i>Color:</i>                        |                   | 2                          |                  |      |    |
| <i>General Color:</i>                |                   | GREY                       |                  |      |    |
| <i>Mat1:</i>                         |                   | 28                         |                  |      |    |
| <i>Most Common Material:</i>         |                   | SAND                       |                  |      |    |
| <i>Mat2:</i>                         |                   |                            |                  |      |    |
| <i>Mat2 Desc:</i>                    |                   |                            |                  |      |    |
| <i>Mat3:</i>                         |                   |                            |                  |      |    |
| <i>Mat3 Desc:</i>                    |                   |                            |                  |      |    |
| <i>Formation Top Depth:</i>          |                   | 29.0                       |                  |      |    |
| <i>Formation End Depth:</i>          |                   | 40.0                       |                  |      |    |
| <i>Formation End Depth UOM:</i>      |                   | ft                         |                  |      |    |
| <b><u>Overburden and Bedrock</u></b> |                   |                            |                  |      |    |
| <b><u>Materials Interval</u></b>     |                   |                            |                  |      |    |
| <i>Formation ID:</i>                 |                   | 932832502                  |                  |      |    |
| <i>Layer:</i>                        |                   | 4                          |                  |      |    |
| <i>Color:</i>                        |                   | 2                          |                  |      |    |
| <i>General Color:</i>                |                   | GREY                       |                  |      |    |
| <i>Mat1:</i>                         |                   | 15                         |                  |      |    |
| <i>Most Common Material:</i>         |                   | LIMESTONE                  |                  |      |    |
| <i>Mat2:</i>                         |                   |                            |                  |      |    |
| <i>Mat2 Desc:</i>                    |                   |                            |                  |      |    |
| <i>Mat3:</i>                         |                   |                            |                  |      |    |
| <i>Mat3 Desc:</i>                    |                   |                            |                  |      |    |
| <i>Formation Top Depth:</i>          |                   | 61.0                       |                  |      |    |
| <i>Formation End Depth:</i>          |                   | 203.0                      |                  |      |    |
| <i>Formation End Depth UOM:</i>      |                   | ft                         |                  |      |    |
| <b><u>Overburden and Bedrock</u></b> |                   |                            |                  |      |    |
| <b><u>Materials Interval</u></b>     |                   |                            |                  |      |    |
| <i>Formation ID:</i>                 |                   | 932832499                  |                  |      |    |
| <i>Layer:</i>                        |                   | 1                          |                  |      |    |
| <i>Color:</i>                        |                   | 6                          |                  |      |    |
| <i>General Color:</i>                |                   | BROWN                      |                  |      |    |

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Mat1:</b>  |                          | 28                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | SAND                               |                          |             |           |
| <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>                                 |                          | 29.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 932832501                          |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>  |                          | 28                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | SAND                               |                          |             |           |
| <b>Mat2:</b>  |                          | 13                                 |                          |             |           |
| <b>Mat2 Desc:</b>   |                          | BOULDERS                           |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 40.0                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 61.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 933219770                          |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 0.0                                |                          |             |           |
| <b>Plug To:</b>   |                          | 64.0                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well<br/>Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                              |                          | 961532322                          |                          |             |           |
| <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>   |                          | 11065342                           |                          |             |           |
| <b>Casing No:</b>   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>   |                          |                                    |                          |             |           |
| <b>Alt Name:</b>  |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>                  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>   |                          | 930094600                          |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Material:</b>  |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                               |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>  |                          |                                    |                          |             |           |
| <b>Depth To:</b>  |                          |                                    |                          |             |           |
| <b>Casing Diameter:</b>                                     |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                                    |                          | ft                                 |                          |             |           |

| <b>Map Key</b>                              | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930094599                          |                          |             |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Material:</b>                            |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          |                                    |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <b><u>Results of Well Yield Testing</u></b> |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b>            |                          | PUMP                               |                          |             |           |
| <b>Pump Test ID:</b>                        |                          | 991532322                          |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          | 47.0                               |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          | 150.0                              |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          | 175.0                              |                          |             |           |
| <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>                 |                          | 1                                  |                          |             |           |
| <b>Pumping Duration HR:</b>                 |                          | 1                                  |                          |             |           |
| <b>Pumping Duration MIN:</b>                |                          |                                    |                          |             |           |
| <b>Flowing:</b>                             |                          | No                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934918302                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 60                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 268.0                              |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934116307                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 15                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 150.0                              |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934399921                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 30                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 175.0                              |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934660443                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |

| Map Key         | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|-----------------|-------------------|----------------------------|------------------|------|----|
| Test Duration:  |                   | 45                         |                  |      |    |
| Test Level:     |                   | 250.0                      |                  |      |    |
| Test Level UOM: |                   | ft                         |                  |      |    |

#### Water Details

**Water ID:** 934008501  
**Layer:** 1  
**Kind Code:** 5  
**Kind:** Not stated  
**Water Found Depth:** 264.0  
**Water Found Depth UOM:** ft

#### Links

|                           |                 |                    |                    |
|---------------------------|-----------------|--------------------|--------------------|
| <b>Bore Hole ID:</b>      | 10516772        | <b>Tag No:</b>     |                    |
| <b>Depth M:</b>           | 82.296          | <b>Contractor:</b> | 1558               |
| <b>Year Completed:</b>    | 2001            | <b>Latitude:</b>   | 45.1850840086122   |
| <b>Well Completed Dt:</b> | 09/27/2001      | <b>Longitude:</b>  | -75.6567586240635  |
| <b>Audit No:</b>          | 230267          | <b>Y:</b>          | 45.185084001994326 |
| <b>Path:</b>              | 153\1532322.pdf | <b>X:</b>          | -75.65675846265482 |

|                    |        |          |              |                    |      |
|--------------------|--------|----------|--------------|--------------------|------|
| <a href="#">10</a> | 1 of 3 | SW/190.0 | 88.9 / -3.00 | lot 14 con A<br>ON | WWIS |
|--------------------|--------|----------|--------------|--------------------|------|

|                            |                      |                           |                 |
|----------------------------|----------------------|---------------------------|-----------------|
| <b>Well ID:</b>            | 1530270              | <b>Flowing (Y/N):</b>     |                 |
| <b>Construction Date:</b>  |                      | <b>Flow Rate:</b>         |                 |
| <b>Use 1st:</b>            | Domestic             | <b>Data Entry Status:</b> |                 |
| <b>Use 2nd:</b>            |                      | <b>Data Src:</b>          | 1               |
| <b>Final Well Status:</b>  | Water Supply         | <b>Date Received:</b>     | 11/13/1998      |
| <b>Water Type:</b>         |                      | <b>Selected Flag:</b>     | TRUE            |
| <b>Casing Material:</b>    |                      | <b>Abandonment Rec:</b>   |                 |
| <b>Audit No:</b>           | 190597               | <b>Contractor:</b>        | 4877            |
| <b>Tag:</b>                |                      | <b>Form Version:</b>      | 1               |
| <b>Constructn Method:</b>  |                      | <b>Owner:</b>             |                 |
| <b>Elevation (m):</b>      |                      | <b>County:</b>            | OTTAWA-CARLETON |
| <b>Elevatn Reliabilty:</b> |                      | <b>Lot:</b>               | 014             |
| <b>Depth to Bedrock:</b>   |                      | <b>Concession:</b>        | A               |
| <b>Well Depth:</b>         |                      | <b>Concession Name:</b>   | CON             |
| <b>Overburden/Bedrock:</b> |                      | <b>Easting NAD83:</b>     |                 |
| <b>Pump Rate:</b>          |                      | <b>Northing NAD83:</b>    |                 |
| <b>Static Water Level:</b> |                      | <b>Zone:</b>              |                 |
| <b>Clear/Cloudy:</b>       |                      | <b>UTM Reliability:</b>   |                 |
| <b>Municipality:</b>       | NORTH GOWER TOWNSHIP |                           |                 |
| <b>Site Info:</b>          |                      |                           |                 |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/153\1530270.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1530270.pdf)

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

**Well Completed Date:** 10/21/1998  
**Year Completed:** 1998  
**Depth (m):** 49.0728  
**Latitude:** 45.1850842647843  
**Longitude:** -75.6567140757059  
**Path:** 153\1530270.pdf

#### Bore Hole Information

|                        |          |                   |    |
|------------------------|----------|-------------------|----|
| <b>Bore Hole ID:</b>   | 10051805 | <b>Elevation:</b> |    |
| <b>DP2BR:</b>          |          | <b>Elevrc:</b>    |    |
| <b>Spatial Status:</b> |          | <b>Zone:</b>      | 18 |

| Map Key                             | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                    | DB          |
|-------------------------------------|-------------------|----------------------------|------------------|-------------------------|-------------|
| <b>Code OB:</b>                     |                   |                            |                  | <b>East83:</b>          | 448407.80   |
| <b>Code OB Desc:</b>                |                   |                            |                  | <b>North83:</b>         | 5003721.00  |
| <b>Open Hole:</b>                   |                   |                            |                  | <b>Org CS:</b>          |             |
| <b>Cluster Kind:</b>                |                   |                            |                  | <b>UTMRC:</b>           | 9           |
| <b>Date Completed:</b>              | 10/21/1998        |                            |                  | <b>UTMRC Desc:</b>      | unknown UTM |
| <b>Remarks:</b>                     |                   |                            |                  | <b>Location Method:</b> | lot         |
| <b>Loc Method Desc:</b>             |                   | Lot centroid               |                  |                         |             |
| <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:** 931075009  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 28.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931075010  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 18  
**Mat2 Desc:** SANDSTONE  
**Mat3:** 79  
**Mat3 Desc:** PACKED  
**Formation Top Depth:** 28.0  
**Formation End Depth:** 61.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931075011  
**Layer:** 3  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 16  
**Most Common Material:** DOLOMITE  
**Mat2:** 73  
**Mat2 Desc:** HARD  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 61.0  
**Formation End Depth:** 78.0

| <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>                                    |                          | 931075012                      |                      |             |           |
| <b>Layer:</b>   |                          | 4                              |                      |             |           |
| <b>Color:</b>   |                          | 2                              |                      |             |           |
| <b>General Color:</b>                                   |                          | GREY                           |                      |             |           |
| <b>Mat1:</b>  |                          | 18                             |                      |             |           |
| <b>Most Common Material:</b>                            |                          | SANDSTONE                      |                      |             |           |
| <b>Mat2:</b>  |                          | 73                             |                      |             |           |
| <b>Mat2 Desc:</b>                                       |                          | HARD                           |                      |             |           |
| <b>Mat3:</b>  |                          |                                |                      |             |           |
| <b>Mat3 Desc:</b>                                       |                          |                                |                      |             |           |
| <b>Formation Top Depth:</b>                             |                          | 78.0                           |                      |             |           |
| <b>Formation End Depth:</b>                             |                          | 161.0                          |                      |             |           |
| <b>Formation End Depth UOM:</b>                         |                          | ft                             |                      |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b>  |                          |                                |                      |             |           |
| <b>Plug ID:</b>   |                          | 933115402                      |                      |             |           |
| <b>Layer:</b>   |                          | 1                              |                      |             |           |
| <b>Plug From:</b>                                       |                          | 0.0                            |                      |             |           |
| <b>Plug To:</b>   |                          | 65.0                           |                      |             |           |
| <b>Plug Depth UOM:</b>                                  |                          | ft                             |                      |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>     |                          |                                |                      |             |           |
| <b>Method Construction ID:</b>                          |                          | 961530270                      |                      |             |           |
| <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>   |                          | 10600375                       |                      |             |           |
| <b>Casing No:</b>                                       |                          | 1                              |                      |             |           |
| <b>Comment:</b>   |                          |                                |                      |             |           |
| <b>Alt Name:</b>  |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>              |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                       |                          | 930090273                      |                      |             |           |
| <b>Layer:</b>   |                          | 3                              |                      |             |           |
| <b>Material:</b>  |                          | 4                              |                      |             |           |
| <b>Open Hole or Material:</b>                           |                          | OPEN HOLE                      |                      |             |           |
| <b>Depth From:</b>                                      |                          |                                |                      |             |           |
| <b>Depth To:</b>  |                          | 161.0                          |                      |             |           |
| <b>Casing Diameter:</b>                                 |                          | 65.0                           |                      |             |           |
| <b>Casing Diameter UOM:</b>                             |                          | inch                           |                      |             |           |
| <b>Casing Depth UOM:</b>                                |                          | ft                             |                      |             |           |
| <b><u>Construction Record - Casing</u></b>              |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                       |                          | 930090271                      |                      |             |           |
| <b>Layer:</b>   |                          | 1                              |                      |             |           |
| <b>Material:</b>  |                          | 4                              |                      |             |           |
| <b>Open Hole or Material:</b>                           |                          | OPEN HOLE                      |                      |             |           |

| <b>Map Key</b>                              | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 65.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 97.0                               |                          |             |           |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930090272                          |                          |             |           |
| <b>Layer:</b>                               |                          | 2                                  |                          |             |           |
| <b>Material:</b>                            |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 65.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 61.0                               |                          |             |           |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <b><u>Results of Well Yield Testing</u></b> |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b>            |                          | PUMP                               |                          |             |           |
| <b>Pump Test ID:</b>                        |                          | 991530270                          |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          | 30.0                               |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          | 134.0                              |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          | 140.0                              |                          |             |           |
| <b>Pumping Rate:</b>                        |                          | 20.0                               |                          |             |           |
| <b>Flowing Rate:</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>                 |                          | 934117861                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                       |                          | 15                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 45.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934392845                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                       |                          | 30                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 30.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934910962                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                       |                          | 60                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 30.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

**Draw Down & Recovery**

**Pump Test Detail ID:** 934662416  
**Test Type:** Recovery  
**Test Duration:** 45  
**Test Level:** 30.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933490338  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 156.0  
**Water Found Depth UOM:** ft

**Links**

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <b>Bore Hole ID:</b> 10051805        | <b>Tag No:</b> 4877                 |
| <b>Depth M:</b> 49.0728              | <b>Contractor:</b> 4877             |
| <b>Year Completed:</b> 1998          | <b>Latitude:</b> 45.1850842647843   |
| <b>Well Completed Dt:</b> 10/21/1998 | <b>Longitude:</b> -75.6567140757059 |
| <b>Audit No:</b> 190597              | <b>Y:</b> 45.18508425778477         |
| <b>Path:</b> 153\1530270.pdf         | <b>X:</b> -75.65671391521461        |

[10](#)      2 of 3      SW/190.0      88.9 / -3.00      lot 14 con A ON      [WWIS](#)

|   |                                  |
|---|----------------------------------|
| <b>Well ID:</b> 1518861                   | <b>Flowing (Y/N):</b>            |
| <b>Construction Date:</b>                 | <b>Flow Rate:</b>                |
| <b>Use 1st:</b> Domestic                  | <b>Data Entry Status:</b>        |
| <b>Use 2nd:</b>                           | <b>Data Src:</b> 1               |
| <b>Final Well Status:</b> Water Supply    | <b>Date Received:</b> 03/08/1984 |
| <b>Water Type:</b>                        | <b>Selected Flag:</b> TRUE       |
| <b>Casing Material:</b>                   | <b>Abandonment Rec:</b>          |
| <b>Audit No:</b>                          | <b>Contractor:</b> 1558          |
| <b>Tag:</b>                               | <b>Form Version:</b> 1           |
| <b>Constructn Method:</b>                 | <b>Owner:</b>                    |
| <b>Elevation (m):</b>                     | <b>County:</b> OTTAWA-CARLETON   |
| <b>Elevatn Reliabilty:</b>                | <b>Lot:</b> 014                  |
| <b>Depth to Bedrock:</b>                  | <b>Concession:</b> A             |
| <b>Well Depth:</b>                        | <b>Concession Name:</b> CON      |
| <b>Overburden/Bedrock:</b>                | <b>Easting NAD83:</b>            |
| <b>Pump Rate:</b>                         | <b>Northing NAD83:</b>           |
| <b>Static Water Level:</b>                | <b>Zone:</b>                     |
| <b>Clear/Cloudy:</b>                      | <b>UTM Reliability:</b>          |
| <b>Municipality:</b> NORTH GOWER TOWNSHIP |                                  |
| <b>Site Info:</b>                         |                                  |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1518861.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518861.pdf)

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

**Well Completed Date:** 12/01/1983  
**Year Completed:** 1983  
**Depth (m):** 22.86  
**Latitude:** 45.1850842647843  
**Longitude:** -75.6567140757059  
**Path:** 151\1518861.pdf



| <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>Bore Hole Information</u></b>  |                          |                                |                      |                         |             |
| <b>Bore Hole ID:</b>                 | 10040731                 |                                |                      | <b>Elevation:</b>       |             |
| <b>DP2BR:</b>                        |                          |                                |                      | <b>Elevrc:</b>          |             |
| <b>Spatial Status:</b>               |                          |                                |                      | <b>Zone:</b>            | 18          |
| <b>Code OB:</b>                      |                          |                                |                      | <b>East83:</b>          | 448407.80   |
| <b>Code OB Desc:</b>                 |                          |                                |                      | <b>North83:</b>         | 5003721.00  |
| <b>Open Hole:</b>                    |                          |                                |                      | <b>Org CS:</b>          |             |
| <b>Cluster Kind:</b>                 |                          |                                |                      | <b>UTMRC:</b>           | 9           |
| <b>Date Completed:</b>               | 12/01/1983               |                                |                      | <b>UTMRC Desc:</b>      | unknown UTM |
| <b>Remarks:</b>                      |                          |                                |                      | <b>Location Method:</b> | lot         |
| <b>Loc Method Desc:</b>              |                          | Lot centroid                   |                      |                         |             |
| <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>                 | 931039809                |                                |                      |                         |             |
| <b>Layer:</b>                        | 5                        |                                |                      |                         |             |
| <b>Color:</b>                        | 2                        |                                |                      |                         |             |
| <b>General Color:</b>                | GREY                     |                                |                      |                         |             |
| <b>Mat1:</b>                         | 11                       |                                |                      |                         |             |
| <b>Most Common Material:</b>         | GRAVEL                   |                                |                      |                         |             |
| <b>Mat2:</b>                         | 13                       |                                |                      |                         |             |
| <b>Mat2 Desc:</b>                    | BOULDERS                 |                                |                      |                         |             |
| <b>Mat3:</b>                         |                          |                                |                      |                         |             |
| <b>Mat3 Desc:</b>                    |                          |                                |                      |                         |             |
| <b>Formation Top Depth:</b>          | 60.0                     |                                |                      |                         |             |
| <b>Formation End Depth:</b>          | 65.0                     |                                |                      |                         |             |
| <b>Formation End Depth UOM:</b>      | ft                       |                                |                      |                         |             |
| <b><u>Overburden and Bedrock</u></b> |                          |                                |                      |                         |             |
| <b><u>Materials Interval</u></b>     |                          |                                |                      |                         |             |
| <b>Formation ID:</b>                 | 931039805                |                                |                      |                         |             |
| <b>Layer:</b>                        | 1                        |                                |                      |                         |             |
| <b>Color:</b>                        | 6                        |                                |                      |                         |             |
| <b>General Color:</b>                | BROWN                    |                                |                      |                         |             |
| <b>Mat1:</b>                         | 28                       |                                |                      |                         |             |
| <b>Most Common Material:</b>         | SAND                     |                                |                      |                         |             |
| <b>Mat2:</b>                         | 77                       |                                |                      |                         |             |
| <b>Mat2 Desc:</b>                    | LOOSE                    |                                |                      |                         |             |
| <b>Mat3:</b>                         |                          |                                |                      |                         |             |
| <b>Mat3 Desc:</b>                    |                          |                                |                      |                         |             |
| <b>Formation Top Depth:</b>          | 0.0                      |                                |                      |                         |             |
| <b>Formation End Depth:</b>          | 6.0                      |                                |                      |                         |             |
| <b>Formation End Depth UOM:</b>      | ft                       |                                |                      |                         |             |
| <b><u>Overburden and Bedrock</u></b> |                          |                                |                      |                         |             |
| <b><u>Materials Interval</u></b>     |                          |                                |                      |                         |             |
| <b>Formation ID:</b>                 | 931039806                |                                |                      |                         |             |
| <b>Layer:</b>                        | 2                        |                                |                      |                         |             |
| <b>Color:</b>                        | 2                        |                                |                      |                         |             |
| <b>General Color:</b>                | GREY                     |                                |                      |                         |             |
| <b>Mat1:</b>                         | 05                       |                                |                      |                         |             |
| <b>Most Common Material:</b>         | CLAY                     |                                |                      |                         |             |
| <b>Mat2:</b>                         | 28                       |                                |                      |                         |             |

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Mat2 Desc:</b>   |                          | SAND                               |                          |             |           |
| <b>Mat3:</b>  |                          | 79                                 |                          |             |           |
| <b>Mat3 Desc:</b>   |                          | PACKED                             |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 6.0                                |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 30.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931039807                          |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>  |                          | 28                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | SAND                               |                          |             |           |
| <b>Mat2:</b>  |                          | 12                                 |                          |             |           |
| <b>Mat2 Desc:</b>   |                          | STONES                             |                          |             |           |
| <b>Mat3:</b>  |                          | 91                                 |                          |             |           |
| <b>Mat3 Desc:</b>   |                          | WATER-BEARING                      |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 30.0                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 53.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931039808                          |                          |             |           |
| <b>Layer:</b>   |                          | 4                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>  |                          | 14                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | HARDPAN                            |                          |             |           |
| <b>Mat2:</b>  |                          | 13                                 |                          |             |           |
| <b>Mat2 Desc:</b>   |                          | BOULDERS                           |                          |             |           |
| <b>Mat3:</b>  |                          | 79                                 |                          |             |           |
| <b>Mat3 Desc:</b>   |                          | PACKED                             |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 53.0                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 60.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931039810                          |                          |             |           |
| <b>Layer:</b>   |                          | 6                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>  |                          | 15                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | LIMESTONE                          |                          |             |           |
| <b>Mat2:</b>  |                          | 78                                 |                          |             |           |
| <b>Mat2 Desc:</b>   |                          | MEDIUM-GRAINED                     |                          |             |           |
| <b>Mat3:</b>  |                          | 73                                 |                          |             |           |
| <b>Mat3 Desc:</b>   |                          | HARD                               |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 65.0                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 75.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well<br/>Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                              |                          | 961518861                          |                          |             |           |

| <b>Map Key</b>                              | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <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>                             | 10589301                 |                                    |                          |             |           |
| <b>Casing No:</b>                           | 1                        |                                    |                          |             |           |
| <b>Comment:</b>                             |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                            |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           | 930071114                |                                    |                          |             |           |
| <b>Layer:</b>                               | 1                        |                                    |                          |             |           |
| <b>Material:</b>                            | 1                        |                                    |                          |             |           |
| <b>Open Hole or Material:</b>               | STEEL                    |                                    |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            | 67.0                     |                                    |                          |             |           |
| <b>Casing Diameter:</b>                     | 6.0                      |                                    |                          |             |           |
| <b>Casing Diameter UOM:</b>                 | inch                     |                                    |                          |             |           |
| <b>Casing Depth UOM:</b>                    | ft                       |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           | 930071115                |                                    |                          |             |           |
| <b>Layer:</b>                               | 2                        |                                    |                          |             |           |
| <b>Material:</b>                            |                          |                                    |                          |             |           |
| <b>Open Hole or Material:</b>               |                          |                                    |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            | 74.0                     |                                    |                          |             |           |
| <b>Casing Diameter:</b>                     | 6.0                      |                                    |                          |             |           |
| <b>Casing Diameter UOM:</b>                 | inch                     |                                    |                          |             |           |
| <b>Casing Depth UOM:</b>                    | ft                       |                                    |                          |             |           |
| <b><u>Results of Well Yield Testing</u></b> |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b>            | BAILER                   |                                    |                          |             |           |
| <b>Pump Test ID:</b>                        | 991518861                |                                    |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        | 8.0                      |                                    |                          |             |           |
| <b>Final Level After Pumping:</b>           | 10.0                     |                                    |                          |             |           |
| <b>Recommended Pump Depth:</b>              | 45.0                     |                                    |                          |             |           |
| <b>Pumping Rate:</b>                        | 30.0                     |                                    |                          |             |           |
| <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>                 | 2                        |                                    |                          |             |           |
| <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>                 | 934103334                |                                    |                          |             |           |
| <b>Test Type:</b>                           |                          |                                    |                          |             |           |
| <b>Test Duration:</b>                       | 15                       |                                    |                          |             |           |
| <b>Test Level:</b>                          | 10.0                     |                                    |                          |             |           |
| <b>Test Level UOM:</b>                      | ft                       |                                    |                          |             |           |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

Draw Down & Recovery

Pump Test Detail ID: 934900101  
 Test Type:  
 Test Duration: 60  
 Test Level: 10.0  
 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934381009  
 Test Type:  
 Test Duration: 30  
 Test Level: 10.0  
 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934650985  
 Test Type:  
 Test Duration: 45  
 Test Level: 10.0  
 Test Level UOM: ft

Water Details

Water ID: 933475684  
 Layer: 1  
 Kind Code: 1  
 Kind: FRESH  
 Water Found Depth: 73.0  
 Water Found Depth UOM: ft

Links

|                    |                 |             |                    |
|--------------------|-----------------|-------------|--------------------|
| Bore Hole ID:      | 10040731        | Tag No:     |                    |
| Depth M:           | 22.86           | Contractor: | 1558               |
| Year Completed:    | 1983            | Latitude:   | 45.1850842647843   |
| Well Completed Dt: | 12/01/1983      | Longitude:  | -75.6567140757059  |
| Audit No:          |                 | Y:          | 45.18508425778477  |
| Path:              | 151\1518861.pdf | X:          | -75.65671391521461 |

|                    |        |          |              |                    |      |
|--------------------|--------|----------|--------------|--------------------|------|
| <a href="#">10</a> | 3 of 3 | SW/190.0 | 88.9 / -3.00 | lot 14 con A<br>ON | WWIS |
|--------------------|--------|----------|--------------|--------------------|------|

|                      |              |                    |                 |
|----------------------|--------------|--------------------|-----------------|
| Well ID:             | 1523401      | Flowing (Y/N):     |                 |
| Construction Date:   |              | Flow Rate:         |                 |
| Use 1st:             | Domestic     | Data Entry Status: |                 |
| Use 2nd:             |              | Data Src:          | 1               |
| Final Well Status:   | Water Supply | Date Received:     | 05/16/1989      |
| Water Type:          |              | Selected Flag:     | TRUE            |
| Casing Material:     |              | Abandonment Rec:   |                 |
| Audit No:            | 50716        | Contractor:        | 1558            |
| Tag:                 |              | Form Version:      | 1               |
| Constructn Method:   |              | Owner:             |                 |
| Elevation (m):       |              | County:            | OTTAWA-CARLETON |
| Elevatn Reliability: |              | Lot:               | 014             |
| Depth to Bedrock:    |              | Concession:        | A               |
| Well Depth:          |              | Concession Name:   | CON             |
| Overburden/Bedrock:  |              | Easting NAD83:     |                 |

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b>   | <b>Elev/Diff<br/>(m)</b> | <b>Site</b>  | <b>DB</b>  |
|---|--------------------------|--|--------------------------|--|--|
| <b>Pump Rate:</b><br><b>Static Water Level:</b><br><b>Clear/Cloudy:</b><br><b>Municipality:</b><br><b>Site Info:</b>  |                          |  |                          | <b>Northing NAD83:</b><br><b>Zone:</b><br><b>UTM Reliability:</b>  |  |
|   |                          | NORTH GOWER TOWNSHIP   |                          |  |  |
| <b>PDF URL (Map):</b>   |                          |  |                          | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1523401.pdf  |  |
| <b><u>Additional Detail(s) (Map)</u></b>  |                          |  |                          |  |  |
| <b>Well Completed Date:</b><br><b>Year Completed:</b><br><b>Depth (m):</b><br><b>Latitude:</b><br><b>Longitude:</b><br><b>Path:</b>   |                          | 04/06/1989<br>1989<br>21.336<br>45.1850842647843<br>-75.6567140757059<br>152\1523401.pdf |                          |  |  |
| <b><u>Bore Hole Information</u></b>   |                          |  |                          |  |  |
| <b>Bore Hole ID:</b><br><b>DP2BR:</b><br><b>Spatial Status:</b><br><b>Code OB:</b><br><b>Code OB Desc:</b><br><b>Open Hole:</b><br><b>Cluster Kind:</b><br><b>Date Completed:</b><br><b>Remarks:</b><br><b>Loc Method Desc:</b><br><b>Elevrc Desc:</b><br><b>Location Source Date:</b><br><b>Improvement Location Source:</b><br><b>Improvement Location Method:</b><br><b>Source Revision Comment:</b><br><b>Supplier Comment:</b> | 10045176                 |  |                          | <b>Elevation:</b><br><b>Elevrc:</b><br><b>Zone:</b><br><b>East83:</b><br><b>North83:</b><br><b>Org CS:</b><br><b>UTMRC:</b><br><b>UTMRC Desc:</b><br><b>Location Method:</b> | 18<br>448407.80<br>5003721.00<br>9<br>unknown UTM<br>lot |
|   |                          | Lot centroid   |                          |  |  |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b>   |                          |  |                          |  |  |
| <b>Formation ID:</b><br><b>Layer:</b><br><b>Color:</b><br><b>General Color:</b><br><b>Mat1:</b><br><b>Most Common Material:</b><br><b>Mat2:</b><br><b>Mat2 Desc:</b><br><b>Mat3:</b><br><b>Mat3 Desc:</b><br><b>Formation Top Depth:</b><br><b>Formation End Depth:</b><br><b>Formation End Depth UOM:</b>  |                          | 931054498<br>3<br>2<br>GREY<br>28<br>SAND<br>11<br>GRAVEL<br><br>35.0<br>68.0<br>ft      |                          |  |  |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b>   |                          |  |                          |  |  |
| <b>Formation ID:</b><br><b>Layer:</b><br><b>Color:</b><br><b>General Color:</b><br><b>Mat1:</b><br><b>Most Common Material:</b>   |                          | 931054499<br>4<br>2<br>GREY<br>11<br>GRAVEL  |                          |  |  |

| <b>Map Key</b>                                  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Mat2:</b>                                    |                          | 79                                 |                          |             |           |
| <b>Mat2 Desc:</b>                               |                          | PACKED                             |                          |             |           |
| <b>Mat3:</b>                                    |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                               |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 68.0                               |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 70.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 931054496                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Color:</b>                                   |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                           |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>                                    |                          | 28                                 |                          |             |           |
| <b>Most Common Material:</b>                    |                          | SAND                               |                          |             |           |
| <b>Mat2:</b>                                    |                          | 13                                 |                          |             |           |
| <b>Mat2 Desc:</b>                               |                          | BOULDERS                           |                          |             |           |
| <b>Mat3:</b>                                    |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                               |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 0.0                                |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 5.0                                |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 931054497                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 2                                  |                          |             |           |
| <b>Color:</b>                                   |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                           |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>                                    |                          | 28                                 |                          |             |           |
| <b>Most Common Material:</b>                    |                          | SAND                               |                          |             |           |
| <b>Mat2:</b>                                    |                          |                                    |                          |             |           |
| <b>Mat2 Desc:</b>                               |                          |                                    |                          |             |           |
| <b>Mat3:</b>                                    |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                               |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 5.0                                |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 35.0                               |                          |             |           |
| <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>                  |                          | 961523401                          |                          |             |           |
| <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>                                 |                          | 10593746                           |                          |             |           |
| <b>Casing No:</b>                               |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                                 |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>      |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                               |                          | 930079049                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 2                                  |                          |             |           |
| <b>Material:</b>                                |                          | 4                                  |                          |             |           |

| <b>Map Key</b>                              | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Open Hole or Material:</b>               |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 70.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930079048                          |                          |             |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Material:</b>                            |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 69.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <b><u>Results of Well Yield Testing</u></b> |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b>            |                          | PUMP                               |                          |             |           |
| <b>Pump Test ID:</b>                        |                          | 991523401                          |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          | 20.0                               |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          | 30.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          | 40.0                               |                          |             |           |
| <b>Pumping Rate:</b>                        |                          | 25.0                               |                          |             |           |
| <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>                 |                          | 934907346                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 60                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 30.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934104931                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 15                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 30.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934389160                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 30                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 30.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

**Draw Down & Recovery**

**Pump Test Detail ID:** 934650142  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 30.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933481644  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 70.0  
**Water Found Depth UOM:** ft

**Links**

|                           |                 |                    |                    |
|---------------------------|-----------------|--------------------|--------------------|
| <b>Bore Hole ID:</b>      | 10045176        | <b>Tag No:</b>     |                    |
| <b>Depth M:</b>           | 21.336          | <b>Contractor:</b> | 1558               |
| <b>Year Completed:</b>    | 1989            | <b>Latitude:</b>   | 45.1850842647843   |
| <b>Well Completed Dt:</b> | 04/06/1989      | <b>Longitude:</b>  | -75.6567140757059  |
| <b>Audit No:</b>          | 50716           | <b>Y:</b>          | 45.18508425778477  |
| <b>Path:</b>              | 152\1523401.pdf | <b>X:</b>          | -75.65671391521461 |

**11**      1 of 1      **ENE/190.6**      **85.8 / -6.05**      **ON**      **BORE**

|                            |                |                           |                |
|----------------------------|----------------|---------------------------|----------------|
| <b>Borehole ID:</b>        | 611660         | <b>Inclin FLG:</b>        | No             |
| <b>OGF ID:</b>             | 215512976      | <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> | 3.0            | <b>Lot:</b>               |                |
| <b>Primary Water Use:</b>  |                | <b>Township:</b>          |                |
| <b>Sec. Water Use:</b>     |                | <b>Latitude DD:</b>       | 45.194553      |
| <b>Total Depth m:</b>      | -999           | <b>Longitude DD:</b>      | -75.639599     |
| <b>Depth Ref:</b>          | Ground Surface | <b>UTM Zone:</b>          | 18             |
| <b>Depth Elev:</b>         |                | <b>Easting:</b>           | 449761         |
| <b>Drill Method:</b>       |                | <b>Northing:</b>          | 5004762        |
| <b>Orig Ground Elev m:</b> | 89.9           | <b>Location Accuracy:</b> |                |
| <b>Elev Reliabil Note:</b> |                | <b>Accuracy:</b>          | Not Applicable |
| <b>DEM Ground Elev m:</b>  | 86.5           |                           |                |
| <b>Concession:</b>         |                |                           |                |
| <b>Location D:</b>         |                |                           |                |
| <b>Survey D:</b>           |                |                           |                |
| <b>Comments:</b>           |                |                           |                |

**Borehole Geology Stratum**

|                                  |           |                            |  |
|----------------------------------|-----------|----------------------------|--|
| <b>Geology Stratum ID:</b>       | 218388867 | <b>Mat Consistency:</b>    |  |
| <b>Top Depth:</b>                | 0         | <b>Material Moisture:</b>  |  |
| <b>Bottom Depth:</b>             | 16.8      | <b>Material Texture:</b>   |  |
| <b>Material Color:</b>           |           | <b>Non Geo Mat Type:</b>   |  |
| <b>Material 1:</b>               | Sand      | <b>Geologic Formation:</b> |  |
| <b>Material 2:</b>               | Boulders  | <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> |           |                            |  |



| Map Key                          | Number of Records  | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                       | DB |
|----------------------------------|--|----------------------------|------------------|----------------------------|----|
| <b>Stratum Description:</b>      |  | SAND,BOULDERS.             |                  |                            |    |
| <b>Geology Stratum ID:</b>       | 218388868  |                            |                  | <b>Mat Consistency:</b>    |    |
| <b>Top Depth:</b>                | 16.8   |                            |                  | <b>Material Moisture:</b>  |    |
| <b>Bottom Depth:</b>             |  |                            |                  | <b>Material Texture:</b>   |    |
| <b>Material Color:</b>           | Blue   |                            |                  | <b>Non Geo Mat Type:</b>   |    |
| <b>Material 1:</b>               | Gravel   |                            |                  | <b>Geologic Formation:</b> |    |
| <b>Material 2:</b>               | Boulders   |                            |                  | <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>      | GRAVEL,BOULDERS. STABLE AT 285.0 FEET.BEDROCK,LIMESTONE. BLUE. 00143. GREY. LIMESTO **Note:<br>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 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: 041680 NTS_Sheet: 31G04G |                      |                        |
| <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                        |                          |                               |

|                            |   |         |             |                           |                 |
|----------------------------|---|---------|-------------|---------------------------|-----------------|
| <a href="#">12</a>         | 1 of 7  | W/206.0 | 94.9 / 3.00 | lot 12 con A<br>ON        | WWIS            |
| <b>Well ID:</b>            | 1530223   |         |             | <b>Flowing (Y/N):</b>     |                 |
| <b>Construction Date:</b>  |   |         |             | <b>Flow Rate:</b>         |                 |
| <b>Use 1st:</b>            | Livestock   |         |             | <b>Data Entry Status:</b> |                 |
| <b>Use 2nd:</b>            |   |         |             | <b>Data Src:</b>          | 1               |
| <b>Final Well Status:</b>  | Observation Wells   |         |             | <b>Date Received:</b>     | 10/15/1998      |
| <b>Water Type:</b>         |   |         |             | <b>Selected Flag:</b>     | TRUE            |
| <b>Casing Material:</b>    |   |         |             | <b>Abandonment Rec:</b>   |                 |
| <b>Audit No:</b>           | 194734  |         |             | <b>Contractor:</b>        | 1558            |
| <b>Tag:</b>                |   |         |             | <b>Form Version:</b>      | 1               |
| <b>Constructn Method:</b>  |   |         |             | <b>Owner:</b>             |                 |
| <b>Elevation (m):</b>      |   |         |             | <b>County:</b>            | OTTAWA-CARLETON |
| <b>Elevatn Reliabilty:</b> |   |         |             | <b>Lot:</b>               | 012             |
| <b>Depth to Bedrock:</b>   |   |         |             | <b>Concession:</b>        | A               |
| <b>Well Depth:</b>         |   |         |             | <b>Concession Name:</b>   | CON             |
| <b>Overburden/Bedrock:</b> |   |         |             | <b>Easting NAD83:</b>     |                 |
| <b>Pump Rate:</b>          |   |         |             | <b>Northing NAD83:</b>    |                 |
| <b>Static Water Level:</b> |   |         |             | <b>Zone:</b>              |                 |
| <b>Clear/Cloudy:</b>       |   |         |             | <b>UTM Reliability:</b>   |                 |
| <b>Municipality:</b>       | NORTH GOWER TOWNSHIP  |         |             |                           |                 |
| <b>Site Info:</b>          |   |         |             |                           |                 |
| <b>PDF URL (Map):</b>      | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1530223.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1530223.pdf</a> |         |             |                           |                 |

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

| <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>Well Completed Date:</b> |                          | 09/18/1998                     |                      |             |           |
| <b>Year Completed:</b>      |                          | 1998                           |                      |             |           |
| <b>Depth (m):</b>           |                          | 45.72                          |                      |             |           |
| <b>Latitude:</b>            |                          | 45.1907607041969               |                      |             |           |
| <b>Longitude:</b>           |                          | -75.6635645553796              |                      |             |           |
| <b>Path:</b>                |                          | 153\1530223.pdf                |                      |             |           |

**Bore Hole Information**

|                                     |              |                         |             |
|-------------------------------------|--------------|-------------------------|-------------|
| <b>Bore Hole ID:</b>                | 10051758     | <b>Elevation:</b>       |             |
| <b>DP2BR:</b>                       |              | <b>Elevrc:</b>          |             |
| <b>Spatial Status:</b>              |              | <b>Zone:</b>            | 18          |
| <b>Code OB:</b>                     |              | <b>East83:</b>          | 447874.80   |
| <b>Code OB Desc:</b>                |              | <b>North83:</b>         | 5004356.00  |
| <b>Open Hole:</b>                   |              | <b>Org CS:</b>          |             |
| <b>Cluster Kind:</b>                |              | <b>UTMRC:</b>           | 9           |
| <b>Date Completed:</b>              | 09/18/1998   | <b>UTMRC Desc:</b>      | unknown UTM |
| <b>Remarks:</b>                     |              | <b>Location Method:</b> | lot         |
| <b>Loc Method Desc:</b>             | Lot centroid |                         |             |
| <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>            | 931074882 |
| <b>Layer:</b>                   | 2         |
| <b>Color:</b>                   | 2         |
| <b>General Color:</b>           | GREY      |
| <b>Mat1:</b>                    | 28        |
| <b>Most Common Material:</b>    | SAND      |
| <b>Mat2:</b>                    |           |
| <b>Mat2 Desc:</b>               |           |
| <b>Mat3:</b>                    |           |
| <b>Mat3 Desc:</b>               |           |
| <b>Formation Top Depth:</b>     | 14.0      |
| <b>Formation End Depth:</b>     | 35.0      |
| <b>Formation End Depth UOM:</b> | ft        |

**Overburden and Bedrock Materials Interval**

|                                 |           |
|---------------------------------|-----------|
| <b>Formation ID:</b>            | 931074881 |
| <b>Layer:</b>                   | 1         |
| <b>Color:</b>                   | 6         |
| <b>General Color:</b>           | BROWN     |
| <b>Mat1:</b>                    | 28        |
| <b>Most Common Material:</b>    | SAND      |
| <b>Mat2:</b>                    | 12        |
| <b>Mat2 Desc:</b>               | STONES    |
| <b>Mat3:</b>                    | 68        |
| <b>Mat3 Desc:</b>               | DRY       |
| <b>Formation Top Depth:</b>     | 0.0       |
| <b>Formation End Depth:</b>     | 14.0      |
| <b>Formation End Depth UOM:</b> | ft        |

**Overburden and Bedrock Materials Interval**

| <b>Map Key</b>                                  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Formation ID:</b>                            |                          | 931074883                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 3                                  |                          |             |           |
| <b>Color:</b>                                   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                           |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>                                    |                          | 28                                 |                          |             |           |
| <b>Most Common Material:</b>                    |                          | SAND                               |                          |             |           |
| <b>Mat2:</b>                                    |                          | 13                                 |                          |             |           |
| <b>Mat2 Desc:</b>                               |                          | BOULDERS                           |                          |             |           |
| <b>Mat3:</b>                                    |                          | 79                                 |                          |             |           |
| <b>Mat3 Desc:</b>                               |                          | PACKED                             |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 35.0                               |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 47.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 931074884                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 4                                  |                          |             |           |
| <b>Color:</b>                                   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                           |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>                                    |                          | 15                                 |                          |             |           |
| <b>Most Common Material:</b>                    |                          | LIMESTONE                          |                          |             |           |
| <b>Mat2:</b>                                    |                          | 78                                 |                          |             |           |
| <b>Mat2 Desc:</b>                               |                          | MEDIUM-GRAINED                     |                          |             |           |
| <b>Mat3:</b>                                    |                          | 73                                 |                          |             |           |
| <b>Mat3 Desc:</b>                               |                          | HARD                               |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 47.0                               |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 150.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | ft                                 |                          |             |           |
| <b><u>Annular Space/Abandonment</u></b>         |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>                    |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                                 |                          | 933115351                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>                               |                          | 40.0                               |                          |             |           |
| <b>Plug To:</b>                                 |                          | 51.0                               |                          |             |           |
| <b>Plug Depth UOM:</b>                          |                          | ft                                 |                          |             |           |
| <b><u>Annular Space/Abandonment</u></b>         |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>                    |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                                 |                          | 933115350                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>                               |                          | 0.0                                |                          |             |           |
| <b>Plug To:</b>                                 |                          | 40.0                               |                          |             |           |
| <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>                  |                          | 961530223                          |                          |             |           |
| <b>Method Construction Code:</b>                |                          | 6                                  |                          |             |           |
| <b>Method Construction:</b>                     |                          | Boring                             |                          |             |           |
| <b>Other Method Construction:</b>               |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                  |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>                                 |                          | 10600328                           |                          |             |           |
| <b>Casing No:</b>                               |                          | 1                                  |                          |             |           |

| <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>Comment:</i>                             |                          |                                |                      |             |           |
| <i>Alt Name:</i>                            |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                |                      |             |           |
| <i>Casing ID:</i>                           |                          | 930090202                      |                      |             |           |
| <i>Layer:</i>                               |                          | 2                              |                      |             |           |
| <i>Material:</i>                            |                          | 4                              |                      |             |           |
| <i>Open Hole or Material:</i>               |                          | OPEN HOLE                      |                      |             |           |
| <i>Depth From:</i>                          |                          |                                |                      |             |           |
| <i>Depth To:</i>                            |                          | 150.0                          |                      |             |           |
| <i>Casing Diameter:</i>                     |                          | 6.0                            |                      |             |           |
| <i>Casing Diameter UOM:</i>                 |                          | inch                           |                      |             |           |
| <i>Casing Depth UOM:</i>                    |                          | ft                             |                      |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                |                      |             |           |
| <i>Casing ID:</i>                           |                          | 930090201                      |                      |             |           |
| <i>Layer:</i>                               |                          | 1                              |                      |             |           |
| <i>Material:</i>                            |                          | 1                              |                      |             |           |
| <i>Open Hole or Material:</i>               |                          | STEEL                          |                      |             |           |
| <i>Depth From:</i>                          |                          |                                |                      |             |           |
| <i>Depth To:</i>                            |                          | 52.0                           |                      |             |           |
| <i>Casing Diameter:</i>                     |                          | 6.0                            |                      |             |           |
| <i>Casing Diameter UOM:</i>                 |                          | inch                           |                      |             |           |
| <i>Casing Depth UOM:</i>                    |                          | ft                             |                      |             |           |
| <b><u>Results of Well Yield Testing</u></b> |                          |                                |                      |             |           |
| <i>Pumping Test Method Desc:</i>            |                          | PUMP                           |                      |             |           |
| <i>Pump Test ID:</i>                        |                          | 991530223                      |                      |             |           |
| <i>Pump Set At:</i>                         |                          |                                |                      |             |           |
| <i>Static Level:</i>                        |                          | 14.0                           |                      |             |           |
| <i>Final Level After Pumping:</i>           |                          | 145.0                          |                      |             |           |
| <i>Recommended Pump Depth:</i>              |                          | 110.0                          |                      |             |           |
| <i>Pumping Rate:</i>                        |                          | 10.0                           |                      |             |           |
| <i>Flowing Rate:</i>                        |                          |                                |                      |             |           |
| <i>Recommended Pump Rate:</i>               |                          | 5.0                            |                      |             |           |
| <i>Levels UOM:</i>                          |                          | ft                             |                      |             |           |
| <i>Rate UOM:</i>                            |                          | GPM                            |                      |             |           |
| <i>Water State After Test Code:</i>         |                          | 2                              |                      |             |           |
| <i>Water State After Test:</i>              |                          | CLOUDY                         |                      |             |           |
| <i>Pumping Test Method:</i>                 |                          | 1                              |                      |             |           |
| <i>Pumping Duration HR:</i>                 |                          | 1                              |                      |             |           |
| <i>Pumping Duration MIN:</i>                |                          | 0                              |                      |             |           |
| <i>Flowing:</i>                             |                          | No                             |                      |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                |                      |             |           |
| <i>Pump Test Detail ID:</i>                 |                          | 934661972                      |                      |             |           |
| <i>Test Type:</i>                           |                          | Recovery                       |                      |             |           |
| <i>Test Duration:</i>                       |                          | 45                             |                      |             |           |
| <i>Test Level:</i>                          |                          | 14.0                           |                      |             |           |
| <i>Test Level UOM:</i>                      |                          | ft                             |                      |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                |                      |             |           |
| <i>Pump Test Detail ID:</i>                 |                          | 934117834                      |                      |             |           |
| <i>Test Type:</i>                           |                          | Recovery                       |                      |             |           |
| <i>Test Duration:</i>                       |                          | 15                             |                      |             |           |
| <i>Test Level:</i>                          |                          | 25.0                           |                      |             |           |
| <i>Test Level UOM:</i>                      |                          | ft                             |                      |             |           |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

Draw Down & Recovery

**Pump Test Detail ID:** 934392818  
**Test Type:** Recovery  
**Test Duration:** 30  
**Test Level:** 14.0  
**Test Level UOM:** ft

Draw Down & Recovery

**Pump Test Detail ID:** 934910935  
**Test Type:** Recovery  
**Test Duration:** 60  
**Test Level:** 14.0  
**Test Level UOM:** ft

Water Details

**Water ID:** 933490293  
**Layer:** 1  
**Kind Code:** 5  
**Kind:** Not stated  
**Water Found Depth:** 89.0  
**Water Found Depth UOM:** ft

Water Details

**Water ID:** 933490294  
**Layer:** 2  
**Kind Code:** 5  
**Kind:** Not stated  
**Water Found Depth:** 110.0  
**Water Found Depth UOM:** ft

Water Details

**Water ID:** 933490295  
**Layer:** 3  
**Kind Code:** 5  
**Kind:** Not stated  
**Water Found Depth:** 141.0  
**Water Found Depth UOM:** ft

Links

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <b>Bore Hole ID:</b> 10051758        | <b>Tag No:</b>                      |
| <b>Depth M:</b> 45.72                | <b>Contractor:</b> 1558             |
| <b>Year Completed:</b> 1998          | <b>Latitude:</b> 45.1907607041969   |
| <b>Well Completed Dt:</b> 09/18/1998 | <b>Longitude:</b> -75.6635645553796 |
| <b>Audit No:</b> 194734              | <b>Y:</b> 45.190760696840634        |
| <b>Path:</b> 153\1530223.pdf         | <b>X:</b> -75.66356439386303        |

|                    |        |         |             |                    |      |
|--------------------|--------|---------|-------------|--------------------|------|
| <a href="#">12</a> | 2 of 7 | W/206.0 | 94.9 / 3.00 | lot 12 con A<br>ON | WWIS |
|--------------------|--------|---------|-------------|--------------------|------|

|                           |                           |
|---------------------------|---------------------------|
| <b>Well ID:</b> 1518857   | <b>Flowing (Y/N):</b>     |
| <b>Construction Date:</b> | <b>Flow Rate:</b>         |
| <b>Use 1st:</b> Domestic  | <b>Data Entry Status:</b> |
| <b>Use 2nd:</b>           | <b>Data Src:</b> 1        |

| Map Key                    | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site                    | DB              |
|----------------------------|-------------------|-------------------------|---------------|-------------------------|-----------------|
| <b>Final Well Status:</b>  | Water Supply      |                         |               | <b>Date Received:</b>   | 03/08/1984      |
| <b>Water Type:</b>         |                   |                         |               | <b>Selected Flag:</b>   | TRUE            |
| <b>Casing Material:</b>    |                   |                         |               | <b>Abandonment Rec:</b> |                 |
| <b>Audit No:</b>           |                   |                         |               | <b>Contractor:</b>      | 1558            |
| <b>Tag:</b>                |                   |                         |               | <b>Form Version:</b>    | 1               |
| <b>Constructn Method:</b>  |                   |                         |               | <b>Owner:</b>           |                 |
| <b>Elevation (m):</b>      |                   |                         |               | <b>County:</b>          | OTTAWA-CARLETON |
| <b>Elevatn Reliabilty:</b> |                   |                         |               | <b>Lot:</b>             | 012             |
| <b>Depth to Bedrock:</b>   |                   |                         |               | <b>Concession:</b>      | A               |
| <b>Well Depth:</b>         |                   |                         |               | <b>Concession Name:</b> | CON             |
| <b>Overburden/Bedrock:</b> |                   |                         |               | <b>Easting NAD83:</b>   |                 |
| <b>Pump Rate:</b>          |                   |                         |               | <b>Northing NAD83:</b>  |                 |
| <b>Static Water Level:</b> |                   |                         |               | <b>Zone:</b>            |                 |
| <b>Clear/Cloudy:</b>       |                   |                         |               | <b>UTM Reliability:</b> |                 |
| <b>Municipality:</b>       |                   | NORTH GOWER TOWNSHIP    |               |                         |                 |
| <b>Site Info:</b>          |                   |                         |               |                         |                 |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1518857.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518857.pdf)

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

**Well Completed Date:** 09/26/1983  
**Year Completed:** 1983  
**Depth (m):** 45.72  
**Latitude:** 45.1907607041969  
**Longitude:** -75.6635645553796  
**Path:** 151\1518857.pdf

**Bore Hole Information**

|                                     |              |                         |             |
|-------------------------------------|--------------|-------------------------|-------------|
| <b>Bore Hole ID:</b>                | 10040727     | <b>Elevation:</b>       |             |
| <b>DP2BR:</b>                       |              | <b>Elevrc:</b>          |             |
| <b>Spatial Status:</b>              |              | <b>Zone:</b>            | 18          |
| <b>Code OB:</b>                     |              | <b>East83:</b>          | 447874.80   |
| <b>Code OB Desc:</b>                |              | <b>North83:</b>         | 5004356.00  |
| <b>Open Hole:</b>                   |              | <b>Org CS:</b>          |             |
| <b>Cluster Kind:</b>                |              | <b>UTMRC:</b>           | 9           |
| <b>Date Completed:</b>              | 09/26/1983   | <b>UTMRC Desc:</b>      | unknown UTM |
| <b>Remarks:</b>                     |              | <b>Location Method:</b> | lot         |
| <b>Loc Method Desc:</b>             | Lot centroid |                         |             |
| <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:** 931039790  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:** 79  
**Mat2 Desc:** PACKED  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 4.0  
**Formation End Depth UOM:** ft

| <b>Map Key</b> | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|----------------|--------------------------|------------------------------------|--------------------------|-------------|-----------|
|----------------|--------------------------|------------------------------------|--------------------------|-------------|-----------|

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931039791  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:** 79  
**Mat2 Desc:** PACKED  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 4.0  
**Formation End Depth:** 50.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931039793  
**Layer:** 4  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:** 18  
**Mat2 Desc:** SANDSTONE  
**Mat3:** 73  
**Mat3 Desc:** HARD  
**Formation Top Depth:** 54.0  
**Formation End Depth:** 150.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931039792  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:** 11  
**Mat2 Desc:** GRAVEL  
**Mat3:** 13  
**Mat3 Desc:** BOULDERS  
**Formation Top Depth:** 50.0  
**Formation End Depth:** 54.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961518857  
**Method Construction Code:** 5  
**Method Construction:** Air Percussion  
**Other Method Construction:**

**Pipe Information**

| <b>Map Key</b>                              | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Pipe ID:</b>                             |                          | 10589297                           |                          |             |           |
| <b>Casing No:</b>                           |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                             |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                            |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930071106                          |                          |             |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Material:</b>                            |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 56.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930071107                          |                          |             |           |
| <b>Layer:</b>                               |                          | 2                                  |                          |             |           |
| <b>Material:</b>                            |                          |                                    |                          |             |           |
| <b>Open Hole or Material:</b>               |                          |                                    |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 150.0                              |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 5.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <b><u>Results of Well Yield Testing</u></b> |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b>            |                          | PUMP                               |                          |             |           |
| <b>Pump Test ID:</b>                        |                          | 991518857                          |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          | 10.0                               |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          | 125.0                              |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          | 80.0                               |                          |             |           |
| <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>                 |                          | 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>                 |                          | 934900097                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 60                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 125.0                              |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934103330                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 15                                 |                          |             |           |



| Map Key                                | Number of Records | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site                      | DB                 |
|--|-------------------|---|------------------|---------------------------|--------------------|
| <b>Test Level:</b>                     |                   | 125.0   |                  |                           |                    |
| <b>Test Level UOM:</b>                 |                   | ft  |                  |                           |                    |
| <b><u>Draw Down &amp; Recovery</u></b> |                   |   |                  |                           |                    |
| <b>Pump Test Detail ID:</b>            |                   | 934381005   |                  |                           |                    |
| <b>Test Type:</b>                      |                   | Draw Down   |                  |                           |                    |
| <b>Test Duration:</b>                  |                   | 30  |                  |                           |                    |
| <b>Test Level:</b>                     |                   | 125.0   |                  |                           |                    |
| <b>Test Level UOM:</b>                 |                   | ft  |                  |                           |                    |
| <b><u>Draw Down &amp; Recovery</u></b> |                   |   |                  |                           |                    |
| <b>Pump Test Detail ID:</b>            |                   | 934650981   |                  |                           |                    |
| <b>Test Type:</b>                      |                   | Draw Down   |                  |                           |                    |
| <b>Test Duration:</b>                  |                   | 45  |                  |                           |                    |
| <b>Test Level:</b>                     |                   | 125.0   |                  |                           |                    |
| <b>Test Level UOM:</b>                 |                   | ft  |                  |                           |                    |
| <b><u>Water Details</u></b>            |                   |   |                  |                           |                    |
| <b>Water ID:</b>                       |                   | 933475678   |                  |                           |                    |
| <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  |                  |                           |                    |
| <b><u>Links</u></b>                    |                   |   |                  |                           |                    |
| <b>Bore Hole ID:</b>                   |                   | 10040727  |                  | <b>Tag No:</b>            |                    |
| <b>Depth M:</b>                        |                   | 45.72   |                  | <b>Contractor:</b>        | 1558               |
| <b>Year Completed:</b>                 |                   | 1983  |                  | <b>Latitude:</b>          | 45.1907607041969   |
| <b>Well Completed Dt:</b>              |                   | 09/26/1983  |                  | <b>Longitude:</b>         | -75.6635645553796  |
| <b>Audit No:</b>                       |                   |   |                  | <b>Y:</b>                 | 45.190760696840634 |
| <b>Path:</b>                           |                   | 151\1518857.pdf   |                  | <b>X:</b>                 | -75.66356439386303 |
| <a href="#">12</a>                     | 3 of 7            | W/206.0   | 94.9 / 3.00      | lot 12 con A<br>ON        | WWIS               |
| <b>Well ID:</b>                        |                   | 1519757   |                  | <b>Flowing (Y/N):</b>     |                    |
| <b>Construction Date:</b>              |                   |   |                  | <b>Flow Rate:</b>         |                    |
| <b>Use 1st:</b>                        |                   | Domestic  |                  | <b>Data Entry Status:</b> |                    |
| <b>Use 2nd:</b>                        |                   |   |                  | <b>Data Src:</b>          | 1                  |
| <b>Final Well Status:</b>              |                   | Water Supply  |                  | <b>Date Received:</b>     | 06/24/1985         |
| <b>Water Type:</b>                     |                   |   |                  | <b>Selected Flag:</b>     | TRUE               |
| <b>Casing Material:</b>                |                   |   |                  | <b>Abandonment Rec:</b>   |                    |
| <b>Audit No:</b>                       |                   |   |                  | <b>Contractor:</b>        | 3644               |
| <b>Tag:</b>                            |                   |   |                  | <b>Form Version:</b>      | 1                  |
| <b>Constructn Method:</b>              |                   |   |                  | <b>Owner:</b>             |                    |
| <b>Elevation (m):</b>                  |                   |   |                  | <b>County:</b>            | OTTAWA-CARLETON    |
| <b>Elevatn Reliabilty:</b>             |                   |   |                  | <b>Lot:</b>               | 012                |
| <b>Depth to Bedrock:</b>               |                   |   |                  | <b>Concession:</b>        | A                  |
| <b>Well Depth:</b>                     |                   |   |                  | <b>Concession Name:</b>   | CON                |
| <b>Overburden/Bedrock:</b>             |                   |   |                  | <b>Easting NAD83:</b>     |                    |
| <b>Pump Rate:</b>                      |                   |   |                  | <b>Northing NAD83:</b>    |                    |
| <b>Static Water Level:</b>             |                   |   |                  | <b>Zone:</b>              |                    |
| <b>Clear/Cloudy:</b>                   |                   |   |                  | <b>UTM Reliability:</b>   |                    |
| <b>Municipality:</b>                   |                   | NORTH GOWER TOWNSHIP  |                  |                           |                    |
| <b>Site Info:</b>                      |                   |   |                  |                           |                    |
| <b>PDF URL (Map):</b>                  |                   | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519757.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519757.pdf</a> |                  |                           |                    |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

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

Well Completed Date: 05/10/1985  
Year Completed: 1985  
Depth (m): 88.392  
Latitude: 45.1907607041969  
Longitude: -75.6635645553796  
Path: 151\1519757.pdf

**Bore Hole Information**

|                              |              |                  |             |
|------------------------------|--------------|------------------|-------------|
| Bore Hole ID:                | 10041610     | Elevation:       |             |
| DP2BR:                       |              | Elevrc:          |             |
| Spatial Status:              |              | Zone:            | 18          |
| Code OB:                     |              | East83:          | 447874.80   |
| Code OB Desc:                |              | North83:         | 5004356.00  |
| Open Hole:                   |              | Org CS:          |             |
| Cluster Kind:                |              | UTMRC:           | 9           |
| Date Completed:              | 05/10/1985   | UTMRC Desc:      | unknown UTM |
| Remarks:                     |              | Location Method: | lot         |
| Loc Method Desc:             | Lot centroid |                  |             |
| Elevrc Desc:                 |              |                  |             |
| Location Source Date:        |              |                  |             |
| Improvement Location Source: |              |                  |             |
| Improvement Location Method: |              |                  |             |
| Source Revision Comment:     |              |                  |             |
| Supplier Comment:            |              |                  |             |

**Overburden and Bedrock**

**Materials Interval**

Formation ID: 931042624  
Layer: 2  
Color: 2  
General Color: GREY  
Mat1: 14  
Most Common Material: HARDPAN  
Mat2: 12  
Mat2 Desc: STONES  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 15.0  
Formation End Depth: 62.0  
Formation End Depth UOM: ft

**Overburden and Bedrock**

**Materials Interval**

Formation ID: 931042625  
Layer: 3  
Color: 2  
General Color: GREY  
Mat1: 15  
Most Common Material: LIMESTONE  
Mat2:  
Mat2 Desc:  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 62.0  
Formation End Depth: 270.0  
Formation End Depth UOM: ft

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931042623                          |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <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>                                 |                          | 15.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931042626                          |                          |             |           |
| <b>Layer:</b>   |                          | 4                                  |                          |             |           |
| <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>                                 |                          | 270.0                              |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 290.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well<br/>Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                              |                          | 961519757                          |                          |             |           |
| <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>   |                          | 10590180                           |                          |             |           |
| <b>Casing No:</b>   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>   |                          |                                    |                          |             |           |
| <b>Alt Name:</b>  |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>                  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>   |                          | 930072664                          |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Material:</b>  |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                               |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>  |                          |                                    |                          |             |           |
| <b>Depth To:</b>  |                          | 290.0                              |                          |             |           |
| <b>Casing Diameter:</b>                                     |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                                    |                          | ft                                 |                          |             |           |

| <b>Map Key</b>                              | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930072663                          |                          |             |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Material:</b>                            |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 62.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <b><u>Results of Well Yield Testing</u></b> |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b>            |                          | PUMP                               |                          |             |           |
| <b>Pump Test ID:</b>                        |                          | 991519757                          |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          | 12.0                               |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          | 80.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          | 80.0                               |                          |             |           |
| <b>Pumping Rate:</b>                        |                          | 8.0                                |                          |             |           |
| <b>Flowing Rate:</b>                        |                          |                                    |                          |             |           |
| <b>Recommended Pump Rate:</b>               |                          | 6.0                                |                          |             |           |
| <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>                 |                          | 934894698                          |                          |             |           |
| <b>Test Type:</b>                           |                          |                                    |                          |             |           |
| <b>Test Duration:</b>                       |                          | 60                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 80.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934384373                          |                          |             |           |
| <b>Test Type:</b>                           |                          |                                    |                          |             |           |
| <b>Test Duration:</b>                       |                          | 30                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 55.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934654914                          |                          |             |           |
| <b>Test Type:</b>                           |                          |                                    |                          |             |           |
| <b>Test Duration:</b>                       |                          | 45                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 69.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934108664                          |                          |             |           |
| <b>Test Type:</b>                           |                          |                                    |                          |             |           |
| <b>Test Duration:</b>                       |                          | 15                                 |                          |             |           |

| Map Key                       | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site               | DB                 |
|-------------------------------|-------------------|----------------------------|------------------|--------------------|--------------------|
| <b>Test Level:</b>            |                   | 40.0                       |                  |                    |                    |
| <b>Test Level UOM:</b>        |                   | ft                         |                  |                    |                    |
| <b><u>Water Details</u></b>   |                   |                            |                  |                    |                    |
| <b>Water ID:</b>              |                   | 933476824                  |                  |                    |                    |
| <b>Layer:</b>                 |                   | 2                          |                  |                    |                    |
| <b>Kind Code:</b>             |                   | 1                          |                  |                    |                    |
| <b>Kind:</b>                  |                   | FRESH                      |                  |                    |                    |
| <b>Water Found Depth:</b>     |                   | 285.0                      |                  |                    |                    |
| <b>Water Found Depth UOM:</b> |                   | ft                         |                  |                    |                    |
| <b><u>Water Details</u></b>   |                   |                            |                  |                    |                    |
| <b>Water ID:</b>              |                   | 933476823                  |                  |                    |                    |
| <b>Layer:</b>                 |                   | 1                          |                  |                    |                    |
| <b>Kind Code:</b>             |                   | 1                          |                  |                    |                    |
| <b>Kind:</b>                  |                   | FRESH                      |                  |                    |                    |
| <b>Water Found Depth:</b>     |                   | 125.0                      |                  |                    |                    |
| <b>Water Found Depth UOM:</b> |                   | ft                         |                  |                    |                    |
| <b><u>Links</u></b>           |                   |                            |                  |                    |                    |
| <b>Bore Hole ID:</b>          |                   | 10041610                   |                  | <b>Tag No:</b>     |                    |
| <b>Depth M:</b>               |                   | 88.392                     |                  | <b>Contractor:</b> | 3644               |
| <b>Year Completed:</b>        |                   | 1985                       |                  | <b>Latitude:</b>   | 45.1907607041969   |
| <b>Well Completed Dt:</b>     |                   | 05/10/1985                 |                  | <b>Longitude:</b>  | -75.6635645553796  |
| <b>Audit No:</b>              |                   |                            |                  | <b>Y:</b>          | 45.190760696840634 |
| <b>Path:</b>                  |                   | 151\1519757.pdf            |                  | <b>X:</b>          | -75.66356439386303 |

|                            |        |   |             |                           |                 |
|----------------------------|--------|---|-------------|---------------------------|-----------------|
| <a href="#">12</a>         | 4 of 7 | W/206.0   | 94.9 / 3.00 | lot 12 con A<br>ON        | WWIS            |
| <b>Well ID:</b>            |        | 1524763   |             | <b>Flowing (Y/N):</b>     |                 |
| <b>Construction Date:</b>  |        |   |             | <b>Flow Rate:</b>         |                 |
| <b>Use 1st:</b>            |        | Domestic  |             | <b>Data Entry Status:</b> |                 |
| <b>Use 2nd:</b>            |        |   |             | <b>Data Src:</b>          | 1               |
| <b>Final Well Status:</b>  |        | Water Supply  |             | <b>Date Received:</b>     | 09/17/1990      |
| <b>Water Type:</b>         |        |   |             | <b>Selected Flag:</b>     | TRUE            |
| <b>Casing Material:</b>    |        |   |             | <b>Abandonment Rec:</b>   |                 |
| <b>Audit No:</b>           |        | 80279   |             | <b>Contractor:</b>        | 1558            |
| <b>Tag:</b>                |        |   |             | <b>Form Version:</b>      | 1               |
| <b>Constructn Method:</b>  |        |   |             | <b>Owner:</b>             |                 |
| <b>Elevation (m):</b>      |        |   |             | <b>County:</b>            | OTTAWA-CARLETON |
| <b>Elevatn Reliabilty:</b> |        |   |             | <b>Lot:</b>               | 012             |
| <b>Depth to Bedrock:</b>   |        |   |             | <b>Concession:</b>        | A               |
| <b>Well Depth:</b>         |        |   |             | <b>Concession Name:</b>   | CON             |
| <b>Overburden/Bedrock:</b> |        |   |             | <b>Easting NAD83:</b>     |                 |
| <b>Pump Rate:</b>          |        |   |             | <b>Northing NAD83:</b>    |                 |
| <b>Static Water Level:</b> |        |   |             | <b>Zone:</b>              |                 |
| <b>Clear/Cloudy:</b>       |        |   |             | <b>UTM Reliability:</b>   |                 |
| <b>Municipality:</b>       |        | NORTH GOWER TOWNSHIP  |             |                           |                 |
| <b>Site Info:</b>          |        |   |             |                           |                 |
| <b>PDF URL (Map):</b>      |        | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1524763.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1524763.pdf</a> |             |                           |                 |

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

**Well Completed Date:** 07/04/1990  
**Year Completed:** 1990  
**Depth (m):** 91.44  
**Latitude:** 45.1907607041969

| <b>Map Key</b>                       | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b>             | <b>DB</b>   |
|--------------------------------------|--------------------------|------------------------------------|--------------------------|-------------------------|-------------|
| <b>Longitude:</b>                    |                          | -75.6635645553796                  |                          |                         |             |
| <b>Path:</b>                         |                          | 152\1524763.pdf                    |                          |                         |             |
| <b><u>Bore Hole Information</u></b>  |                          |                                    |                          |                         |             |
| <b>Bore Hole ID:</b>                 | 10046510                 |                                    |                          | <b>Elevation:</b>       |             |
| <b>DP2BR:</b>                        |                          |                                    |                          | <b>Elevrc:</b>          |             |
| <b>Spatial Status:</b>               |                          |                                    |                          | <b>Zone:</b>            | 18          |
| <b>Code OB:</b>                      |                          |                                    |                          | <b>East83:</b>          | 447874.80   |
| <b>Code OB Desc:</b>                 |                          |                                    |                          | <b>North83:</b>         | 5004356.00  |
| <b>Open Hole:</b>                    |                          |                                    |                          | <b>Org CS:</b>          |             |
| <b>Cluster Kind:</b>                 |                          |                                    |                          | <b>UTMRC:</b>           | 9           |
| <b>Date Completed:</b>               | 07/04/1990               |                                    |                          | <b>UTMRC Desc:</b>      | unknown UTM |
| <b>Remarks:</b>                      |                          |                                    |                          | <b>Location Method:</b> | lot         |
| <b>Loc Method Desc:</b>              |                          | Lot centroid                       |                          |                         |             |
| <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>                 | 931059005                |                                    |                          |                         |             |
| <b>Layer:</b>                        | 4                        |                                    |                          |                         |             |
| <b>Color:</b>                        | 2                        |                                    |                          |                         |             |
| <b>General Color:</b>                | GREY                     |                                    |                          |                         |             |
| <b>Mat1:</b>                         | 11                       |                                    |                          |                         |             |
| <b>Most Common Material:</b>         | GRAVEL                   |                                    |                          |                         |             |
| <b>Mat2:</b>                         | 79                       |                                    |                          |                         |             |
| <b>Mat2 Desc:</b>                    | PACKED                   |                                    |                          |                         |             |
| <b>Mat3:</b>                         |                          |                                    |                          |                         |             |
| <b>Mat3 Desc:</b>                    |                          |                                    |                          |                         |             |
| <b>Formation Top Depth:</b>          | 65.0                     |                                    |                          |                         |             |
| <b>Formation End Depth:</b>          | 75.0                     |                                    |                          |                         |             |
| <b>Formation End Depth UOM:</b>      | ft                       |                                    |                          |                         |             |
| <b><u>Overburden and Bedrock</u></b> |                          |                                    |                          |                         |             |
| <b><u>Materials Interval</u></b>     |                          |                                    |                          |                         |             |
| <b>Formation ID:</b>                 | 931059004                |                                    |                          |                         |             |
| <b>Layer:</b>                        | 3                        |                                    |                          |                         |             |
| <b>Color:</b>                        | 2                        |                                    |                          |                         |             |
| <b>General Color:</b>                | GREY                     |                                    |                          |                         |             |
| <b>Mat1:</b>                         | 14                       |                                    |                          |                         |             |
| <b>Most Common Material:</b>         | HARDPAN                  |                                    |                          |                         |             |
| <b>Mat2:</b>                         | 13                       |                                    |                          |                         |             |
| <b>Mat2 Desc:</b>                    | BOULDERS                 |                                    |                          |                         |             |
| <b>Mat3:</b>                         |                          |                                    |                          |                         |             |
| <b>Mat3 Desc:</b>                    |                          |                                    |                          |                         |             |
| <b>Formation Top Depth:</b>          | 20.0                     |                                    |                          |                         |             |
| <b>Formation End Depth:</b>          | 65.0                     |                                    |                          |                         |             |
| <b>Formation End Depth UOM:</b>      | ft                       |                                    |                          |                         |             |
| <b><u>Overburden and Bedrock</u></b> |                          |                                    |                          |                         |             |
| <b><u>Materials Interval</u></b>     |                          |                                    |                          |                         |             |
| <b>Formation ID:</b>                 | 931059002                |                                    |                          |                         |             |
| <b>Layer:</b>                        | 1                        |                                    |                          |                         |             |
| <b>Color:</b>                        | 6                        |                                    |                          |                         |             |

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>General Color:</b>                                       |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>  |                          | 28                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | SAND                               |                          |             |           |
| <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>                                 |                          | 6.0                                |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931059007                          |                          |             |           |
| <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>                                 |                          | 250.0                              |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 300.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931059006                          |                          |             |           |
| <b>Layer:</b>   |                          | 5                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <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>                                 |                          | 75.0                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 250.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931059003                          |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Color:</b>   |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>  |                          | 14                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | HARDPAN                            |                          |             |           |
| <b>Mat2:</b>  |                          | 13                                 |                          |             |           |
| <b>Mat2 Desc:</b>   |                          | BOULDERS                           |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 6.0                                |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 20.0                               |                          |             |           |
| <b>Formation End 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>                      |                          | 961524763                      |                      |             |           |
| <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>                                     |                          | 10595080                       |                      |             |           |
| <b>Casing No:</b>                                   |                          | 1                              |                      |             |           |
| <b>Comment:</b>                                     |                          |                                |                      |             |           |
| <b>Alt Name:</b>                                    |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                   |                          | 930081426                      |                      |             |           |
| <b>Layer:</b>                                       |                          | 1                              |                      |             |           |
| <b>Material:</b>                                    |                          | 1                              |                      |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                          |                      |             |           |
| <b>Depth From:</b>                                  |                          |                                |                      |             |           |
| <b>Depth To:</b>                                    |                          | 78.0                           |                      |             |           |
| <b>Casing Diameter:</b>                             |                          | 6.0                            |                      |             |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch                           |                      |             |           |
| <b>Casing Depth UOM:</b>                            |                          | ft                             |                      |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                   |                          | 930081427                      |                      |             |           |
| <b>Layer:</b>                                       |                          | 2                              |                      |             |           |
| <b>Material:</b>                                    |                          | 4                              |                      |             |           |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE                      |                      |             |           |
| <b>Depth From:</b>                                  |                          |                                |                      |             |           |
| <b>Depth To:</b>                                    |                          | 300.0                          |                      |             |           |
| <b>Casing Diameter:</b>                             |                          | 6.0                            |                      |             |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch                           |                      |             |           |
| <b>Casing Depth UOM:</b>                            |                          | ft                             |                      |             |           |
| <b><u>Results of Well Yield Testing</u></b>         |                          |                                |                      |             |           |
| <b>Pumping Test Method Desc:</b>                    |                          | PUMP                           |                      |             |           |
| <b>Pump Test ID:</b>                                |                          | 991524763                      |                      |             |           |
| <b>Pump Set At:</b>                                 |                          |                                |                      |             |           |
| <b>Static Level:</b>                                |                          | 30.0                           |                      |             |           |
| <b>Final Level After Pumping:</b>                   |                          | 100.0                          |                      |             |           |
| <b>Recommended Pump Depth:</b>                      |                          | 125.0                          |                      |             |           |
| <b>Pumping Rate:</b>                                |                          | 20.0                           |                      |             |           |
| <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>                         |                          | 934109948                      |                      |             |           |



| Map Key                                | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                      | DB                 |
|--|-------------------|----------------------------|------------------|---------------------------|--------------------|
| <b>Test Type:</b>                      |                   | Draw Down                  |                  |                           |                    |
| <b>Test Duration:</b>                  |                   | 15                         |                  |                           |                    |
| <b>Test Level:</b>                     |                   | 100.0                      |                  |                           |                    |
| <b>Test Level UOM:</b>                 |                   | ft                         |                  |                           |                    |
| <b><u>Draw Down &amp; Recovery</u></b> |                   |                            |                  |                           |                    |
| <b>Pump Test Detail ID:</b>            |                   | 934385357                  |                  |                           |                    |
| <b>Test Type:</b>                      |                   | Draw Down                  |                  |                           |                    |
| <b>Test Duration:</b>                  |                   | 30                         |                  |                           |                    |
| <b>Test Level:</b>                     |                   | 100.0                      |                  |                           |                    |
| <b>Test Level UOM:</b>                 |                   | ft                         |                  |                           |                    |
| <b><u>Draw Down &amp; Recovery</u></b> |                   |                            |                  |                           |                    |
| <b>Pump Test Detail ID:</b>            |                   | 934903512                  |                  |                           |                    |
| <b>Test Type:</b>                      |                   | Draw Down                  |                  |                           |                    |
| <b>Test Duration:</b>                  |                   | 60                         |                  |                           |                    |
| <b>Test Level:</b>                     |                   | 100.0                      |                  |                           |                    |
| <b>Test Level UOM:</b>                 |                   | ft                         |                  |                           |                    |
| <b><u>Draw Down &amp; Recovery</u></b> |                   |                            |                  |                           |                    |
| <b>Pump Test Detail ID:</b>            |                   | 934654718                  |                  |                           |                    |
| <b>Test Type:</b>                      |                   | Draw Down                  |                  |                           |                    |
| <b>Test Duration:</b>                  |                   | 45                         |                  |                           |                    |
| <b>Test Level:</b>                     |                   | 100.0                      |                  |                           |                    |
| <b>Test Level UOM:</b>                 |                   | ft                         |                  |                           |                    |
| <b><u>Water Details</u></b>            |                   |                            |                  |                           |                    |
| <b>Water ID:</b>                       |                   | 933483507                  |                  |                           |                    |
| <b>Layer:</b>                          |                   | 1                          |                  |                           |                    |
| <b>Kind Code:</b>                      |                   | 5                          |                  |                           |                    |
| <b>Kind:</b>                           |                   | Not stated                 |                  |                           |                    |
| <b>Water Found Depth:</b>              |                   | 283.0                      |                  |                           |                    |
| <b>Water Found Depth UOM:</b>          |                   | ft                         |                  |                           |                    |
| <b><u>Links</u></b>                    |                   |                            |                  |                           |                    |
| <b>Bore Hole ID:</b>                   |                   | 10046510                   |                  | <b>Tag No:</b>            |                    |
| <b>Depth M:</b>                        |                   | 91.44                      |                  | <b>Contractor:</b>        | 1558               |
| <b>Year Completed:</b>                 |                   | 1990                       |                  | <b>Latitude:</b>          | 45.1907607041969   |
| <b>Well Completed Dt:</b>              |                   | 07/04/1990                 |                  | <b>Longitude:</b>         | -75.6635645553796  |
| <b>Audit No:</b>                       |                   | 80279                      |                  | <b>Y:</b>                 | 45.190760696840634 |
| <b>Path:</b>                           |                   | 152\1524763.pdf            |                  | <b>X:</b>                 | -75.66356439386303 |
| <a href="#">12</a>                     | 5 of 7            | W/206.0                    | 94.9 / 3.00      | lot 12 con A<br>ON        | WWIS               |
| <b>Well ID:</b>                        |                   | 1524899                    |                  | <b>Flowing (Y/N):</b>     |                    |
| <b>Construction Date:</b>              |                   |                            |                  | <b>Flow Rate:</b>         |                    |
| <b>Use 1st:</b>                        |                   | Domestic                   |                  | <b>Data Entry Status:</b> |                    |
| <b>Use 2nd:</b>                        |                   |                            |                  | <b>Data Src:</b>          | 1                  |
| <b>Final Well Status:</b>              |                   | Water Supply               |                  | <b>Date Received:</b>     | 09/17/1990         |
| <b>Water Type:</b>                     |                   |                            |                  | <b>Selected Flag:</b>     | TRUE               |
| <b>Casing Material:</b>                |                   |                            |                  | <b>Abandonment Rec:</b>   |                    |
| <b>Audit No:</b>                       |                   | 56374                      |                  | <b>Contractor:</b>        | 3644               |
| <b>Tag:</b>                            |                   |                            |                  | <b>Form Version:</b>      | 1                  |
| <b>Constructn Method:</b>              |                   |                            |                  | <b>Owner:</b>             |                    |
| <b>Elevation (m):</b>                  |                   |                            |                  | <b>County:</b>            | OTTAWA-CARLETON    |

| Map Key                    | Number of Records | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site                    | DB  |
|----------------------------|-------------------|---|------------------|-------------------------|-----|
| <b>Elevatn Reliabilty:</b> |                   |   |                  | <b>Lot:</b>             | 012 |
| <b>Depth to Bedrock:</b>   |                   |   |                  | <b>Concession:</b>      | A   |
| <b>Well Depth:</b>         |                   |   |                  | <b>Concession Name:</b> | CON |
| <b>Overburden/Bedrock:</b> |                   |   |                  | <b>Easting NAD83:</b>   |     |
| <b>Pump Rate:</b>          |                   |   |                  | <b>Northing NAD83:</b>  |     |
| <b>Static Water Level:</b> |                   |   |                  | <b>Zone:</b>            |     |
| <b>Clear/Cloudy:</b>       |                   |   |                  | <b>UTM Reliability:</b> |     |
| <b>Municipality:</b>       |                   | NORTH GOWER TOWNSHIP  |                  |                         |     |
| <b>Site Info:</b>          |                   |   |                  |                         |     |
| <b>PDF URL (Map):</b>      |                   | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1524899.pdf |                  |                         |     |

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

**Well Completed Date:** 06/01/1990  
**Year Completed:** 1990  
**Depth (m):** 92.964  
**Latitude:** 45.1907607041969  
**Longitude:** -75.6635645553796  
**Path:** 152\1524899.pdf

**Bore Hole Information**

|                                     |              |                         |             |
|-------------------------------------|--------------|-------------------------|-------------|
| <b>Bore Hole ID:</b>                | 10046642     | <b>Elevation:</b>       |             |
| <b>DP2BR:</b>                       |              | <b>Elevrc:</b>          |             |
| <b>Spatial Status:</b>              |              | <b>Zone:</b>            | 18          |
| <b>Code OB:</b>                     |              | <b>East83:</b>          | 447874.80   |
| <b>Code OB Desc:</b>                |              | <b>North83:</b>         | 5004356.00  |
| <b>Open Hole:</b>                   |              | <b>Org CS:</b>          |             |
| <b>Cluster Kind:</b>                |              | <b>UTMRC:</b>           | 9           |
| <b>Date Completed:</b>              | 06/01/1990   | <b>UTMRC Desc:</b>      | unknown UTM |
| <b>Remarks:</b>                     |              | <b>Location Method:</b> | lot         |
| <b>Loc Method Desc:</b>             | Lot centroid |                         |             |
| <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:** 931059433  
**Layer:** 4  
**Color:** 1  
**General Color:** WHITE  
**Mat1:** 18  
**Most Common Material:** SANDSTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 250.0  
**Formation End Depth:** 305.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931059430  
**Layer:** 1

| <b>Map Key</b>                                  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Color:</b>                                   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                           |                          | GREY                               |                          |             |           |
| <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>                     |                          | 10.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 931059432                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 3                                  |                          |             |           |
| <b>Color:</b>                                   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                           |                          | GREY                               |                          |             |           |
| <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>                     |                          | 63.0                               |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 250.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 931059431                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 2                                  |                          |             |           |
| <b>Color:</b>                                   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                           |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>                                    |                          | 14                                 |                          |             |           |
| <b>Most Common Material:</b>                    |                          | HARDPAN                            |                          |             |           |
| <b>Mat2:</b>                                    |                          | 12                                 |                          |             |           |
| <b>Mat2 Desc:</b>                               |                          | STONES                             |                          |             |           |
| <b>Mat3:</b>                                    |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                               |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 10.0                               |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 63.0                               |                          |             |           |
| <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>                  |                          | 961524899                          |                          |             |           |
| <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>                                 |                          | 10595212                           |                          |             |           |
| <b>Casing No:</b>                               |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                                 |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>      |                          |                                    |                          |             |           |

| <b>Map Key</b>                              | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Casing ID:</b>                           |                          | 930081671                          |                          |             |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Material:</b>                            |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 66.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930081672                          |                          |             |           |
| <b>Layer:</b>                               |                          | 2                                  |                          |             |           |
| <b>Material:</b>                            |                          |                                    |                          |             |           |
| <b>Open Hole or Material:</b>               |                          |                                    |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 305.0                              |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <b><u>Results of Well Yield Testing</u></b> |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b>            |                          | PUMP                               |                          |             |           |
| <b>Pump Test ID:</b>                        |                          | 991524899                          |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          | 30.0                               |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          | 200.0                              |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          | 200.0                              |                          |             |           |
| <b>Pumping Rate:</b>                        |                          | 15.0                               |                          |             |           |
| <b>Flowing Rate:</b>                        |                          |                                    |                          |             |           |
| <b>Recommended Pump Rate:</b>               |                          | 12.0                               |                          |             |           |
| <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>                 |                          | 934655265                          |                          |             |           |
| <b>Test Type:</b>                           |                          |                                    |                          |             |           |
| <b>Test Duration:</b>                       |                          | 45                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 200.0                              |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934904061                          |                          |             |           |
| <b>Test Type:</b>                           |                          |                                    |                          |             |           |
| <b>Test Duration:</b>                       |                          | 60                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 200.0                              |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934110497                          |                          |             |           |

| Map Key                                | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                                | DB   |
|--|-------------------|----------------------------|------------------|-------------------------------------|------|
| <b>Test Type:</b>                      |                   |                            |                  |                                     |      |
| <b>Test Duration:</b>                  |                   | 15                         |                  |                                     |      |
| <b>Test Level:</b>                     |                   | 200.0                      |                  |                                     |      |
| <b>Test Level UOM:</b>                 |                   | ft                         |                  |                                     |      |
| <b><u>Draw Down &amp; Recovery</u></b> |                   |                            |                  |                                     |      |
| <b>Pump Test Detail ID:</b>            |                   | 934385905                  |                  |                                     |      |
| <b>Test Type:</b>                      |                   |                            |                  |                                     |      |
| <b>Test Duration:</b>                  |                   | 30                         |                  |                                     |      |
| <b>Test Level:</b>                     |                   | 200.0                      |                  |                                     |      |
| <b>Test Level UOM:</b>                 |                   | ft                         |                  |                                     |      |
| <b><u>Water Details</u></b>            |                   |                            |                  |                                     |      |
| <b>Water ID:</b>                       |                   | 933483671                  |                  |                                     |      |
| <b>Layer:</b>                          |                   | 1                          |                  |                                     |      |
| <b>Kind Code:</b>                      |                   | 1                          |                  |                                     |      |
| <b>Kind:</b>                           |                   | FRESH                      |                  |                                     |      |
| <b>Water Found Depth:</b>              |                   | 170.0                      |                  |                                     |      |
| <b>Water Found Depth UOM:</b>          |                   | ft                         |                  |                                     |      |
| <b><u>Water Details</u></b>            |                   |                            |                  |                                     |      |
| <b>Water ID:</b>                       |                   | 933483672                  |                  |                                     |      |
| <b>Layer:</b>                          |                   | 2                          |                  |                                     |      |
| <b>Kind Code:</b>                      |                   | 1                          |                  |                                     |      |
| <b>Kind:</b>                           |                   | FRESH                      |                  |                                     |      |
| <b>Water Found Depth:</b>              |                   | 197.0                      |                  |                                     |      |
| <b>Water Found Depth UOM:</b>          |                   | ft                         |                  |                                     |      |
| <b><u>Links</u></b>                    |                   |                            |                  |                                     |      |
| <b>Bore Hole ID:</b>                   |                   | 10046642                   |                  | <b>Tag No:</b>                      |      |
| <b>Depth M:</b>                        |                   | 92.964                     |                  | <b>Contractor:</b> 3644             |      |
| <b>Year Completed:</b>                 |                   | 1990                       |                  | <b>Latitude:</b> 45.1907607041969   |      |
| <b>Well Completed Dt:</b>              |                   | 06/01/1990                 |                  | <b>Longitude:</b> -75.6635645553796 |      |
| <b>Audit No:</b>                       |                   | 56374                      |                  | <b>Y:</b> 45.190760696840634        |      |
| <b>Path:</b>                           |                   | 152\1524899.pdf            |                  | <b>X:</b> -75.66356439386303        |      |
| <a href="#">12</a>                     | 6 of 7            | W/206.0                    | 94.9 / 3.00      | lot 12 con A<br>ON                  | WWIS |
| <b>Well ID:</b>                        |                   | 1525180                    |                  | <b>Flowing (Y/N):</b>               |      |
| <b>Construction Date:</b>              |                   | Domestic                   |                  |                                     |      |
| <b>Use 1st:</b>                        |                   | Water Supply               |                  |                                     |      |
| <b>Use 2nd:</b>                        |                   | Water Supply               |                  |                                     |      |
| <b>Final Well Status:</b>              |                   | Water Supply               |                  |                                     |      |
| <b>Water Type:</b>                     |                   | Water Supply               |                  |                                     |      |
| <b>Casing Material:</b>                |                   | Water Supply               |                  |                                     |      |
| <b>Audit No:</b>                       |                   | 89491                      |                  |                                     |      |
| <b>Tag:</b>                            |                   | 1558                       |                  |                                     |      |
| <b>Constructn Method:</b>              |                   | 1                          |                  |                                     |      |
| <b>Elevation (m):</b>                  |                   | OTTAWA-CARLETON            |                  |                                     |      |
| <b>Elevatn Reliability:</b>            |                   | 012                        |                  |                                     |      |
| <b>Depth to Bedrock:</b>               |                   | A                          |                  |                                     |      |
| <b>Well Depth:</b>                     |                   | CON                        |                  |                                     |      |
| <b>Overburden/Bedrock:</b>             |                   | CON                        |                  |                                     |      |
| <b>Pump Rate:</b>                      |                   | CON                        |                  |                                     |      |
| <b>Static Water Level:</b>             |                   | CON                        |                  |                                     |      |
| <b>Clear/Cloudy:</b>                   |                   | CON                        |                  |                                     |      |
| <b>Municipality:</b>                   |                   | NORTH GOWER TOWNSHIP       |                  |                                     |      |
| <b>Flow Rate:</b>                      |                   | 1                          |                  |                                     |      |
| <b>Data Entry Status:</b>              |                   | 12/27/1990                 |                  |                                     |      |
| <b>Data Src:</b>                       |                   | TRUE                       |                  |                                     |      |
| <b>Date Received:</b>                  |                   | TRUE                       |                  |                                     |      |
| <b>Selected Flag:</b>                  |                   | TRUE                       |                  |                                     |      |
| <b>Abandonment Rec:</b>                |                   | TRUE                       |                  |                                     |      |
| <b>Contractor:</b>                     |                   | 1558                       |                  |                                     |      |
| <b>Form Version:</b>                   |                   | 1                          |                  |                                     |      |
| <b>Owner:</b>                          |                   | OTTAWA-CARLETON            |                  |                                     |      |
| <b>County:</b>                         |                   | 012                        |                  |                                     |      |
| <b>Lot:</b>                            |                   | A                          |                  |                                     |      |
| <b>Concession:</b>                     |                   | CON                        |                  |                                     |      |
| <b>Concession Name:</b>                |                   | CON                        |                  |                                     |      |
| <b>Easting NAD83:</b>                  |                   | CON                        |                  |                                     |      |
| <b>Northing NAD83:</b>                 |                   | CON                        |                  |                                     |      |
| <b>Zone:</b>                           |                   | CON                        |                  |                                     |      |
| <b>UTM Reliability:</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> |
|----------------|--------------------------|--------------------------------|----------------------|-------------|-----------|
|----------------|--------------------------|--------------------------------|----------------------|-------------|-----------|

**Site Info:**

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/152\1525180.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1525180.pdf)

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

**Well Completed Date:** 11/23/1990  
**Year Completed:** 1990  
**Depth (m):** 38.1  
**Latitude:** 45.1907607041969  
**Longitude:** -75.6635645553796  
**Path:** 152\1525180.pdf

**Bore Hole Information**

|                                     |              |                         |             |
|-------------------------------------|--------------|-------------------------|-------------|
| <b>Bore Hole ID:</b>                | 10046921     | <b>Elevation:</b>       |             |
| <b>DP2BR:</b>                       |              | <b>Elevrc:</b>          |             |
| <b>Spatial Status:</b>              |              | <b>Zone:</b>            | 18          |
| <b>Code OB:</b>                     |              | <b>East83:</b>          | 447874.80   |
| <b>Code OB Desc:</b>                |              | <b>North83:</b>         | 5004356.00  |
| <b>Open Hole:</b>                   |              | <b>Org CS:</b>          |             |
| <b>Cluster Kind:</b>                |              | <b>UTMRC:</b>           | 9           |
| <b>Date Completed:</b>              | 11/23/1990   | <b>UTMRC Desc:</b>      | unknown UTM |
| <b>Remarks:</b>                     |              | <b>Location Method:</b> | lot         |
| <b>Loc Method Desc:</b>             | Lot centroid |                         |             |
| <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:** 931060359  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 81  
**Mat2 Desc:** SANDY  
**Mat3:** 13  
**Mat3 Desc:** BOULDERS  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 19.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931060360  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:** 13  
**Mat2 Desc:** BOULDERS  
**Mat3:**  
**Mat3 Desc:**

| <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>Formation Top Depth:</i>                             |                          |                                | 19.0                 |             |           |
| <i>Formation End Depth:</i>                             |                          |                                | 54.0                 |             |           |
| <i>Formation End Depth UOM:</i>                         |                          |                                | ft                   |             |           |
| <b><u>Overburden and Bedrock Materials Interval</u></b> |                          |                                |                      |             |           |
| <i>Formation ID:</i>                                    |                          |                                | 931060361            |             |           |
| <i>Layer:</i>   |                          |                                | 3                    |             |           |
| <i>Color:</i>   |                          |                                | 2                    |             |           |
| <i>General Color:</i>                                   |                          |                                | GREY                 |             |           |
| <i>Mat1:</i>  |                          |                                | 15                   |             |           |
| <i>Most Common Material:</i>                            |                          |                                | LIMESTONE            |             |           |
| <i>Mat2:</i>  |                          |                                |                      |             |           |
| <i>Mat2 Desc:</i>                                       |                          |                                |                      |             |           |
| <i>Mat3:</i>  |                          |                                |                      |             |           |
| <i>Mat3 Desc:</i>                                       |                          |                                |                      |             |           |
| <i>Formation Top Depth:</i>                             |                          |                                | 54.0                 |             |           |
| <i>Formation End Depth:</i>                             |                          |                                | 125.0                |             |           |
| <i>Formation End Depth UOM:</i>                         |                          |                                | ft                   |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>     |                          |                                |                      |             |           |
| <i>Method Construction ID:</i>                          |                          |                                | 961525180            |             |           |
| <i>Method Construction Code:</i>                        |                          |                                | 5                    |             |           |
| <i>Method Construction:</i>                             |                          |                                | Air Percussion       |             |           |
| <i>Other Method Construction:</i>                       |                          |                                |                      |             |           |
| <b><u>Pipe Information</u></b>                          |                          |                                |                      |             |           |
| <i>Pipe ID:</i>   |                          |                                | 10595491             |             |           |
| <i>Casing No:</i>                                       |                          |                                | 1                    |             |           |
| <i>Comment:</i>   |                          |                                |                      |             |           |
| <i>Alt Name:</i>  |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>              |                          |                                |                      |             |           |
| <i>Casing ID:</i>                                       |                          |                                | 930082172            |             |           |
| <i>Layer:</i>   |                          |                                | 2                    |             |           |
| <i>Material:</i>  |                          |                                | 4                    |             |           |
| <i>Open Hole or Material:</i>                           |                          |                                | OPEN HOLE            |             |           |
| <i>Depth From:</i>                                      |                          |                                |                      |             |           |
| <i>Depth To:</i>  |                          |                                | 125.0                |             |           |
| <i>Casing Diameter:</i>                                 |                          |                                | 6.0                  |             |           |
| <i>Casing Diameter UOM:</i>                             |                          |                                | inch                 |             |           |
| <i>Casing Depth UOM:</i>                                |                          |                                | ft                   |             |           |
| <b><u>Construction Record - Casing</u></b>              |                          |                                |                      |             |           |
| <i>Casing ID:</i>                                       |                          |                                | 930082171            |             |           |
| <i>Layer:</i>   |                          |                                | 1                    |             |           |
| <i>Material:</i>  |                          |                                | 1                    |             |           |
| <i>Open Hole or Material:</i>                           |                          |                                | STEEL                |             |           |
| <i>Depth From:</i>                                      |                          |                                |                      |             |           |
| <i>Depth To:</i>  |                          |                                | 58.0                 |             |           |
| <i>Casing Diameter:</i>                                 |                          |                                | 6.0                  |             |           |
| <i>Casing Diameter UOM:</i>                             |                          |                                | inch                 |             |           |
| <i>Casing Depth UOM:</i>                                |                          |                                | ft                   |             |           |
| <b><u>Results of Well Yield Testing</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> |
|--|--------------------------|--------------------------------|----------------------|-------------|-----------|
| <b>Pumping Test Method Desc:</b>           |                          | PUMP                           |                      |             |           |
| <b>Pump Test ID:</b>                       |                          | 991525180                      |                      |             |           |
| <b>Pump Set At:</b>                        |                          |                                |                      |             |           |
| <b>Static Level:</b>                       |                          | 10.0                           |                      |             |           |
| <b>Final Level After Pumping:</b>          |                          | 40.0                           |                      |             |           |
| <b>Recommended Pump Depth:</b>             |                          | 80.0                           |                      |             |           |
| <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                             |                      |             |           |
| <br><b><u>Draw Down &amp; Recovery</u></b> |                          |                                |                      |             |           |
| <b>Pump Test Detail ID:</b>                |                          | 934387005                      |                      |             |           |
| <b>Test Type:</b>                          |                          | Draw Down                      |                      |             |           |
| <b>Test Duration:</b>                      |                          | 30                             |                      |             |           |
| <b>Test Level:</b>                         |                          | 40.0                           |                      |             |           |
| <b>Test Level UOM:</b>                     |                          | ft                             |                      |             |           |
| <br><b><u>Draw Down &amp; Recovery</u></b> |                          |                                |                      |             |           |
| <b>Pump Test Detail ID:</b>                |                          | 934656360                      |                      |             |           |
| <b>Test Type:</b>                          |                          | Draw Down                      |                      |             |           |
| <b>Test Duration:</b>                      |                          | 45                             |                      |             |           |
| <b>Test Level:</b>                         |                          | 40.0                           |                      |             |           |
| <b>Test Level UOM:</b>                     |                          | ft                             |                      |             |           |
| <br><b><u>Draw Down &amp; Recovery</u></b> |                          |                                |                      |             |           |
| <b>Pump Test Detail ID:</b>                |                          | 934111178                      |                      |             |           |
| <b>Test Type:</b>                          |                          | Draw Down                      |                      |             |           |
| <b>Test Duration:</b>                      |                          | 15                             |                      |             |           |
| <b>Test Level:</b>                         |                          | 40.0                           |                      |             |           |
| <b>Test Level UOM:</b>                     |                          | ft                             |                      |             |           |
| <br><b><u>Draw Down &amp; Recovery</u></b> |                          |                                |                      |             |           |
| <b>Pump Test Detail ID:</b>                |                          | 934904729                      |                      |             |           |
| <b>Test Type:</b>                          |                          | Draw Down                      |                      |             |           |
| <b>Test Duration:</b>                      |                          | 60                             |                      |             |           |
| <b>Test Level:</b>                         |                          | 40.0                           |                      |             |           |
| <b>Test Level UOM:</b>                     |                          | ft                             |                      |             |           |
| <br><b><u>Water Details</u></b>            |                          |                                |                      |             |           |
| <b>Water ID:</b>                           |                          | 933484080                      |                      |             |           |
| <b>Layer:</b>                              |                          | 1                              |                      |             |           |
| <b>Kind Code:</b>                          |                          | 5                              |                      |             |           |
| <b>Kind:</b>                               |                          | Not stated                     |                      |             |           |
| <b>Water Found Depth:</b>                  |                          | 113.0                          |                      |             |           |
| <b>Water Found Depth UOM:</b>              |                          | ft                             |                      |             |           |

**Links**



| Map Key                   | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site               | DB                 |
|---------------------------|-------------------|----------------------------|------------------|--------------------|--------------------|
| <b>Bore Hole ID:</b>      | 10046921          |                            |                  | <b>Tag No:</b>     |                    |
| <b>Depth M:</b>           | 38.1              |                            |                  | <b>Contractor:</b> | 1558               |
| <b>Year Completed:</b>    | 1990              |                            |                  | <b>Latitude:</b>   | 45.1907607041969   |
| <b>Well Completed Dt:</b> | 11/23/1990        |                            |                  | <b>Longitude:</b>  | -75.6635645553796  |
| <b>Audit No:</b>          | 89491             |                            |                  | <b>Y:</b>          | 45.190760696840634 |
| <b>Path:</b>              | 152\1525180.pdf   |                            |                  | <b>X:</b>          | -75.66356439386303 |

| <a href="#">12</a>         | 7 of 7               | W/206.0 | 94.9 / 3.00 | lot 12 con A<br>ON        | WWIS            |
|----------------------------|----------------------|---------|-------------|---------------------------|-----------------|
| <b>Well ID:</b>            | 1528164              |         |             | <b>Flowing (Y/N):</b>     |                 |
| <b>Construction Date:</b>  |                      |         |             | <b>Flow Rate:</b>         |                 |
| <b>Use 1st:</b>            | Domestic             |         |             | <b>Data Entry Status:</b> |                 |
| <b>Use 2nd:</b>            |                      |         |             | <b>Data Src:</b>          | 1               |
| <b>Final Well Status:</b>  | Water Supply         |         |             | <b>Date Received:</b>     | 09/06/1994      |
| <b>Water Type:</b>         |                      |         |             | <b>Selected Flag:</b>     | TRUE            |
| <b>Casing Material:</b>    |                      |         |             | <b>Abandonment Rec:</b>   |                 |
| <b>Audit No:</b>           | 137484               |         |             | <b>Contractor:</b>        | 3644            |
| <b>Tag:</b>                |                      |         |             | <b>Form Version:</b>      | 1               |
| <b>Constructn Method:</b>  |                      |         |             | <b>Owner:</b>             |                 |
| <b>Elevation (m):</b>      |                      |         |             | <b>County:</b>            | OTTAWA-CARLETON |
| <b>Elevatn Reliabilty:</b> |                      |         |             | <b>Lot:</b>               | 012             |
| <b>Depth to Bedrock:</b>   |                      |         |             | <b>Concession:</b>        | A               |
| <b>Well Depth:</b>         |                      |         |             | <b>Concession Name:</b>   | CON             |
| <b>Overburden/Bedrock:</b> |                      |         |             | <b>Easting NAD83:</b>     |                 |
| <b>Pump Rate:</b>          |                      |         |             | <b>Northing NAD83:</b>    |                 |
| <b>Static Water Level:</b> |                      |         |             | <b>Zone:</b>              |                 |
| <b>Clear/Cloudy:</b>       |                      |         |             | <b>UTM Reliability:</b>   |                 |
| <b>Municipality:</b>       | NORTH GOWER TOWNSHIP |         |             |                           |                 |
| <b>Site Info:</b>          |                      |         |             |                           |                 |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/152\1528164.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1528164.pdf)

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

**Well Completed Date:** 08/23/1994  
**Year Completed:** 1994  
**Depth (m):** 43.5864  
**Latitude:** 45.1907607041969  
**Longitude:** -75.6635645553796  
**Path:** 152\1528164.pdf

**Bore Hole Information**

|                                     |              |                         |             |
|-------------------------------------|--------------|-------------------------|-------------|
| <b>Bore Hole ID:</b>                | 10049703     | <b>Elevation:</b>       |             |
| <b>DP2BR:</b>                       |              | <b>Elevrc:</b>          |             |
| <b>Spatial Status:</b>              |              | <b>Zone:</b>            | 18          |
| <b>Code OB:</b>                     |              | <b>East83:</b>          | 447874.80   |
| <b>Code OB Desc:</b>                |              | <b>North83:</b>         | 5004356.00  |
| <b>Open Hole:</b>                   |              | <b>Org CS:</b>          |             |
| <b>Cluster Kind:</b>                |              | <b>UTMRC:</b>           | 9           |
| <b>Date Completed:</b>              | 08/23/1994   | <b>UTMRC Desc:</b>      | unknown UTM |
| <b>Remarks:</b>                     |              | <b>Location Method:</b> | lot         |
| <b>Loc Method Desc:</b>             | Lot centroid |                         |             |
| <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>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931068797                          |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <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>                                 |                          | 80.0                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 143.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931068796                          |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>  |                          | 05                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | CLAY                               |                          |             |           |
| <b>Mat2:</b>  |                          | 14                                 |                          |             |           |
| <b>Mat2 Desc:</b>   |                          | HARDPAN                            |                          |             |           |
| <b>Mat3:</b>  |                          | 13                                 |                          |             |           |
| <b>Mat3 Desc:</b>   |                          | BOULDERS                           |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 0.0                                |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 80.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well<br/>Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                              |                          | 961528164                          |                          |             |           |
| <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>   |                          | 10598273                           |                          |             |           |
| <b>Casing No:</b>   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>   |                          |                                    |                          |             |           |
| <b>Alt Name:</b>  |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>                  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>   |                          | 930086873                          |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Material:</b>  |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>                               |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>  |                          |                                    |                          |             |           |
| <b>Depth To:</b>  |                          | 84.0                               |                          |             |           |
| <b>Casing Diameter:</b>                                     |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                                    |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>                  |                          |                                    |                          |             |           |

| <b>Map Key</b>                              | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Casing ID:</b>                           |                          | 930086874                          |                          |             |           |
| <b>Layer:</b>                               |                          | 2                                  |                          |             |           |
| <b>Material:</b>                            |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 143.0                              |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <b><u>Results of Well Yield Testing</u></b> |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b>            |                          | PUMP                               |                          |             |           |
| <b>Pump Test ID:</b>                        |                          | 991528164                          |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          | 42.0                               |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          | 100.0                              |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          | 100.0                              |                          |             |           |
| <b>Pumping Rate:</b>                        |                          | 10.0                               |                          |             |           |
| <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>                 |                          | 934905349                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                       |                          | 60                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 42.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934112420                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                       |                          | 15                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 47.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934387229                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                       |                          | 30                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 42.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934648166                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Recovery                           |                          |             |           |
| <b>Test Duration:</b>                       |                          | 45                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 42.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

**Water Details**

**Water ID:** 933487759  
**Layer:** 1  
**Kind Code:** 5  
**Kind:** Not stated  
**Water Found Depth:** 136.0  
**Water Found Depth UOM:** ft

**Links**

|                           |                 |                    |                    |
|---------------------------|-----------------|--------------------|--------------------|
| <b>Bore Hole ID:</b>      | 10049703        | <b>Tag No:</b>     |                    |
| <b>Depth M:</b>           | 43.5864         | <b>Contractor:</b> | 3644               |
| <b>Year Completed:</b>    | 1994            | <b>Latitude:</b>   | 45.1907607041969   |
| <b>Well Completed Dt:</b> | 08/23/1994      | <b>Longitude:</b>  | -75.6635645553796  |
| <b>Audit No:</b>          | 137484          | <b>Y:</b>          | 45.190760696840634 |
| <b>Path:</b>              | 152\1528164.pdf | <b>X:</b>          | -75.66356439386303 |

|                    |        |         |             |                    |      |
|--------------------|--------|---------|-------------|--------------------|------|
| <a href="#">13</a> | 1 of 1 | W/209.2 | 94.9 / 3.00 | lot 12 con A<br>ON | WWIS |
|--------------------|--------|---------|-------------|--------------------|------|

|                             |                      |                           |                 |
|-----------------------------|----------------------|---------------------------|-----------------|
| <b>Well ID:</b>             | 1533585              | <b>Flowing (Y/N):</b>     |                 |
| <b>Construction Date:</b>   |                      | <b>Flow Rate:</b>         |                 |
| <b>Use 1st:</b>             | Domestic             | <b>Data Entry Status:</b> |                 |
| <b>Use 2nd:</b>             |                      | <b>Data Src:</b>          | 1               |
| <b>Final Well Status:</b>   | Water Supply         | <b>Date Received:</b>     | 03/25/2003      |
| <b>Water Type:</b>          |                      | <b>Selected Flag:</b>     | TRUE            |
| <b>Casing Material:</b>     |                      | <b>Abandonment Rec:</b>   |                 |
| <b>Audit No:</b>            | 250570               | <b>Contractor:</b>        | 1558            |
| <b>Tag:</b>                 |                      | <b>Form Version:</b>      | 1               |
| <b>Constructn Method:</b>   |                      | <b>Owner:</b>             |                 |
| <b>Elevation (m):</b>       |                      | <b>County:</b>            | OTTAWA-CARLETON |
| <b>Elevatn Reliability:</b> |                      | <b>Lot:</b>               | 012             |
| <b>Depth to Bedrock:</b>    |                      | <b>Concession:</b>        | A               |
| <b>Well Depth:</b>          |                      | <b>Concession Name:</b>   | CON             |
| <b>Overburden/Bedrock:</b>  |                      | <b>Easting NAD83:</b>     |                 |
| <b>Pump Rate:</b>           |                      | <b>Northing NAD83:</b>    |                 |
| <b>Static Water Level:</b>  |                      | <b>Zone:</b>              |                 |
| <b>Clear/Cloudy:</b>        |                      | <b>UTM Reliability:</b>   |                 |
| <b>Municipality:</b>        | NORTH GOWER TOWNSHIP |                           |                 |
| <b>Site Info:</b>           |                      |                           |                 |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/153\1533585.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1533585.pdf)

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

**Well Completed Date:** 02/20/2003  
**Year Completed:** 2003  
**Depth (m):** 22.2504  
**Latitude:** 45.1907694241583  
**Longitude:** -75.6636130315117  
**Path:** 153\1533585.pdf

**Bore Hole Information**

|                        |          |                   |            |
|------------------------|----------|-------------------|------------|
| <b>Bore Hole ID:</b>   | 10537419 | <b>Elevation:</b> |            |
| <b>DP2BR:</b>          |          | <b>Elevrc:</b>    |            |
| <b>Spatial Status:</b> |          | <b>Zone:</b>      | 18         |
| <b>Code OB:</b>        |          | <b>East83:</b>    | 447871.00  |
| <b>Code OB Desc:</b>   |          | <b>North83:</b>   | 5004357.00 |
| <b>Open Hole:</b>      |          | <b>Org CS:</b>    |            |

| Map Key                              | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                    | DB                            |
|--------------------------------------|-------------------|----------------------------|------------------|-------------------------|-------------------------------|
| <b>Cluster Kind:</b>                 |                   |                            |                  | <b>UTMRC:</b>           | 7                             |
| <b>Date Completed:</b>               | 02/20/2003        |                            |                  | <b>UTMRC Desc:</b>      | margin of error : 1 km - 3 km |
| <b>Remarks:</b>                      |                   |                            |                  | <b>Location Method:</b> | lot                           |
| <b>Loc Method Desc:</b>              |                   | Lot centroid               |                  |                         |                               |
| <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>             |                   |                            |                  |                         |                               |
| <br>                                 |                   |                            |                  |                         |                               |
| <b><u>Overburden and Bedrock</u></b> |                   |                            |                  |                         |                               |
| <b><u>Materials Interval</u></b>     |                   |                            |                  |                         |                               |
| <b>Formation ID:</b>                 |                   | 932905278                  |                  |                         |                               |
| <b>Layer:</b>                        |                   | 1                          |                  |                         |                               |
| <b>Color:</b>                        |                   | 6                          |                  |                         |                               |
| <b>General Color:</b>                |                   | BROWN                      |                  |                         |                               |
| <b>Mat1:</b>                         |                   | 02                         |                  |                         |                               |
| <b>Most Common Material:</b>         |                   | TOPSOIL                    |                  |                         |                               |
| <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                         |                  |                         |                               |
| <br>                                 |                   |                            |                  |                         |                               |
| <b><u>Overburden and Bedrock</u></b> |                   |                            |                  |                         |                               |
| <b><u>Materials Interval</u></b>     |                   |                            |                  |                         |                               |
| <b>Formation ID:</b>                 |                   | 932905281                  |                  |                         |                               |
| <b>Layer:</b>                        |                   | 4                          |                  |                         |                               |
| <b>Color:</b>                        |                   | 2                          |                  |                         |                               |
| <b>General Color:</b>                |                   | GREY                       |                  |                         |                               |
| <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>          |                   | 57.0                       |                  |                         |                               |
| <b>Formation End Depth:</b>          |                   | 73.0                       |                  |                         |                               |
| <b>Formation End Depth UOM:</b>      |                   | ft                         |                  |                         |                               |
| <br>                                 |                   |                            |                  |                         |                               |
| <b><u>Overburden and Bedrock</u></b> |                   |                            |                  |                         |                               |
| <b><u>Materials Interval</u></b>     |                   |                            |                  |                         |                               |
| <b>Formation ID:</b>                 |                   | 932905280                  |                  |                         |                               |
| <b>Layer:</b>                        |                   | 3                          |                  |                         |                               |
| <b>Color:</b>                        |                   | 2                          |                  |                         |                               |
| <b>General Color:</b>                |                   | GREY                       |                  |                         |                               |
| <b>Mat1:</b>                         |                   | 28                         |                  |                         |                               |
| <b>Most Common Material:</b>         |                   | SAND                       |                  |                         |                               |
| <b>Mat2:</b>                         |                   | 11                         |                  |                         |                               |
| <b>Mat2 Desc:</b>                    |                   | GRAVEL                     |                  |                         |                               |
| <b>Mat3:</b>                         |                   | 13                         |                  |                         |                               |
| <b>Mat3 Desc:</b>                    |                   | BOULDERS                   |                  |                         |                               |
| <b>Formation Top Depth:</b>          |                   | 20.0                       |                  |                         |                               |
| <b>Formation End Depth:</b>          |                   | 57.0                       |                  |                         |                               |
| <b>Formation End Depth UOM:</b>      |                   | ft                         |                  |                         |                               |

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 932905279                          |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <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>                                 |                          | 2.0                                |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 20.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 933236153                          |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 0.0                                |                          |             |           |
| <b>Plug To:</b>   |                          | 40.0                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well<br/>Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                              |                          | 961533585                          |                          |             |           |
| <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>   |                          | 11085989                           |                          |             |           |
| <b>Casing No:</b>   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>   |                          |                                    |                          |             |           |
| <b>Alt Name:</b>  |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>                  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>   |                          | 930097265                          |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Material:</b>  |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>                               |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>  |                          |                                    |                          |             |           |
| <b>Depth To:</b>  |                          | 63.0                               |                          |             |           |
| <b>Casing Diameter:</b>                                     |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                                    |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>                  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>   |                          | 930097266                          |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Material:</b>  |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                               |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>  |                          |                                    |                          |             |           |
| <b>Depth To:</b>  |                          | 73.0                               |                          |             |           |
| <b>Casing Diameter:</b>                                     |                          | 6.0                                |                          |             |           |

| <b>Map Key</b>                              | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <b><u>Results of Well Yield Testing</u></b> |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b>            |                          | PUMP                               |                          |             |           |
| <b>Pump Test ID:</b>                        |                          | 991533585                          |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          | 4.0                                |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          | 70.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          | 50.0                               |                          |             |           |
| <b>Pumping Rate:</b>                        |                          | 50.0                               |                          |             |           |
| <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>                 |                          | 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>                 |                          | 934912993                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 60                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 70.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934395586                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 30                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 70.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934120732                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 15                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 70.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934664866                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 45                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 70.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Water Details</u></b>                 |                          |                                    |                          |             |           |
| <b>Water ID:</b>                            |                          | 934030904                          |                          |             |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Kind Code:</b>                           |                          | 5                                  |                          |             |           |
| <b>Kind:</b>                                |                          | Not stated                         |                          |             |           |

| Map Key                | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site        | DB                 |
|------------------------|-------------------|----------------------------|------------------|-------------|--------------------|
| Water Found Depth:     |                   | 68.0                       |                  |             |                    |
| Water Found Depth UOM: |                   | ft                         |                  |             |                    |
| <b>Links</b>           |                   |                            |                  |             |                    |
| Bore Hole ID:          | 10537419          |                            |                  | Tag No:     |                    |
| Depth M:               | 22.2504           |                            |                  | Contractor: | 1558               |
| Year Completed:        | 2003              |                            |                  | Latitude:   | 45.1907694241583   |
| Well Completed Dt:     | 02/20/2003        |                            |                  | Longitude:  | -75.6636130315117  |
| Audit No:              | 250570            |                            |                  | Y:          | 45.19076941697204  |
| Path:                  | 153\1533585.pdf   |                            |                  | X:          | -75.66361287053223 |

| <u>14</u>           | 1 of 1               | NE/210.5 | 90.9 / -1.00 | lot 12<br>ON       | WWIS            |
|---------------------|----------------------|----------|--------------|--------------------|-----------------|
| Well ID:            | 1528576              |          |              | Flowing (Y/N):     |                 |
| Construction Date:  |                      |          |              | Flow Rate:         |                 |
| Use 1st:            | Domestic             |          |              | Data Entry Status: |                 |
| Use 2nd:            |                      |          |              | Data Src:          | 1               |
| Final Well Status:  | Water Supply         |          |              | Date Received:     | 08/22/1995      |
| Water Type:         |                      |          |              | Selected Flag:     | TRUE            |
| Casing Material:    |                      |          |              | Abandonment Rec:   |                 |
| Audit No:           | 153156               |          |              | Contractor:        | 1558            |
| Tag:                |                      |          |              | Form Version:      | 1               |
| Constructn Method:  |                      |          |              | Owner:             |                 |
| Elevation (m):      |                      |          |              | County:            | OTTAWA-CARLETON |
| Elevatn Reliabilty: |                      |          |              | Lot:               | 012             |
| Depth to Bedrock:   |                      |          |              | Concession:        |                 |
| Well Depth:         |                      |          |              | Concession Name:   | BF              |
| Overburden/Bedrock: |                      |          |              | Easting NAD83:     |                 |
| Pump Rate:          |                      |          |              | Northing NAD83:    |                 |
| Static Water Level: |                      |          |              | Zone:              |                 |
| Clear/Cloudy:       |                      |          |              | UTM Reliability:   |                 |
| Municipality:       | NORTH GOWER TOWNSHIP |          |              |                    |                 |
| Site Info:          |                      |          |              |                    |                 |

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/152\1528576.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1528576.pdf)

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

Well Completed Date: 07/18/1995  
Year Completed: 1995  
Depth (m): 54.864  
Latitude: 45.1976848885189  
Longitude: -75.6459555338303  
Path: 152\1528576.pdf

**Bore Hole Information**

|                              |              |                  |             |
|------------------------------|--------------|------------------|-------------|
| Bore Hole ID:                | 10050112     | Elevation:       |             |
| DP2BR:                       |              | Elevrc:          |             |
| Spatial Status:              |              | Zone:            | 18          |
| Code OB:                     |              | East83:          | 449264.20   |
| Code OB Desc:                |              | North83:         | 5005114.00  |
| Open Hole:                   |              | Org CS:          |             |
| Cluster Kind:                |              | UTMRC:           | 9           |
| Date Completed:              | 07/18/1995   | UTMRC Desc:      | unknown UTM |
| Remarks:                     |              | Location Method: | lot         |
| Loc Method Desc:             | Lot centroid |                  |             |
| Elevrc Desc:                 |              |                  |             |
| Location Source Date:        |              |                  |             |
| Improvement Location Source: |              |                  |             |



| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

Overburden and Bedrock  
Materials Interval

Formation ID: 931070081  
Layer: 2  
Color: 6  
General Color: BROWN  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 86  
Mat2 Desc: STICKY  
Mat3:  
Mat3 Desc:  
Formation Top Depth: 8.0  
Formation End Depth: 18.0  
Formation End Depth UOM: ft

Overburden and Bedrock  
Materials Interval

Formation ID: 931070082  
Layer: 3  
Color: 2  
General Color: GREY  
Mat1: 14  
Most Common Material: HARDPAN  
Mat2: 13  
Mat2 Desc: BOULDERS  
Mat3: 79  
Mat3 Desc: PACKED  
Formation Top Depth: 18.0  
Formation End Depth: 48.0  
Formation End Depth UOM: ft

Overburden and Bedrock  
Materials Interval

Formation ID: 931070080  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 02  
Most Common Material: TOPSOIL  
Mat2: 81  
Mat2 Desc: SANDY  
Mat3: 68  
Mat3 Desc: DRY  
Formation Top Depth: 0.0  
Formation End Depth: 8.0  
Formation End Depth UOM: ft

Overburden and Bedrock  
Materials Interval

Formation ID: 931070083  
Layer: 4  
Color: 2  
General Color: GREY

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Mat1:</b>  |                          | 11                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | GRAVEL                             |                          |             |           |
| <b>Mat2:</b>  |                          | 79                                 |                          |             |           |
| <b>Mat2 Desc:</b>   |                          | PACKED                             |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 48.0                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 56.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931070084                          |                          |             |           |
| <b>Layer:</b>   |                          | 5                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <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>                                 |                          | 56.0                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 180.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 933113486                          |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 0.0                                |                          |             |           |
| <b>Plug To:</b>   |                          | 59.0                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well<br/>Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                              |                          | 961528576                          |                          |             |           |
| <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>   |                          | 10598682                           |                          |             |           |
| <b>Casing No:</b>   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>   |                          |                                    |                          |             |           |
| <b>Alt Name:</b>  |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>                  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>   |                          | 930087590                          |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Material:</b>  |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>                               |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>  |                          |                                    |                          |             |           |
| <b>Depth To:</b>  |                          | 60.0                               |                          |             |           |
| <b>Casing Diameter:</b>                                     |                          | 5.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                                    |                          | ft                                 |                          |             |           |

| <b>Map Key</b>                              | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930087591                          |                          |             |           |
| <b>Layer:</b>                               |                          | 2                                  |                          |             |           |
| <b>Material:</b>                            |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 180.0                              |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <b><u>Results of Well Yield Testing</u></b> |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b>            |                          | PUMP                               |                          |             |           |
| <b>Pump Test ID:</b>                        |                          | 991528576                          |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          | 19.0                               |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          | 50.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          | 100.0                              |                          |             |           |
| <b>Pumping Rate:</b>                        |                          | 50.0                               |                          |             |           |
| <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>                 |                          | 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>                 |                          | 934906480                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <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>                 |                          | 934104735                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 15                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 100.0                              |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934388360                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 30                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 75.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934649298                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |

| Map Key         | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|-----------------|-------------------|----------------------------|------------------|------|----|
| Test Duration:  |                   | 45                         |                  |      |    |
| Test Level:     |                   | 60.0                       |                  |      |    |
| Test Level UOM: |                   | ft                         |                  |      |    |

#### Water Details

**Water ID:** 933488315  
**Layer:** 1  
**Kind Code:** 5  
**Kind:** Not stated  
**Water Found Depth:** 179.0  
**Water Found Depth UOM:** ft

#### Links

|                           |                 |                    |                    |
|---------------------------|-----------------|--------------------|--------------------|
| <b>Bore Hole ID:</b>      | 10050112        | <b>Tag No:</b>     |                    |
| <b>Depth M:</b>           | 54.864          | <b>Contractor:</b> | 1558               |
| <b>Year Completed:</b>    | 1995            | <b>Latitude:</b>   | 45.1976848885189   |
| <b>Well Completed Dt:</b> | 07/18/1995      | <b>Longitude:</b>  | -75.6459555338303  |
| <b>Audit No:</b>          | 153156          | <b>Y:</b>          | 45.197684881744365 |
| <b>Path:</b>              | 152\1528576.pdf | <b>X:</b>          | -75.64595537317872 |

|                    |        |          |              |              |      |
|--------------------|--------|----------|--------------|--------------|------|
| <a href="#">15</a> | 1 of 1 | NE/213.0 | 90.9 / -1.00 | lot 12<br>ON | WWIS |
|--------------------|--------|----------|--------------|--------------|------|

|                            |                      |                           |                 |
|----------------------------|----------------------|---------------------------|-----------------|
| <b>Well ID:</b>            | 1531416              | <b>Flowing (Y/N):</b>     |                 |
| <b>Construction Date:</b>  |                      | <b>Flow Rate:</b>         |                 |
| <b>Use 1st:</b>            | Domestic             | <b>Data Entry Status:</b> |                 |
| <b>Use 2nd:</b>            |                      | <b>Data Src:</b>          | 1               |
| <b>Final Well Status:</b>  | Water Supply         | <b>Date Received:</b>     | 10/18/2000      |
| <b>Water Type:</b>         |                      | <b>Selected Flag:</b>     | TRUE            |
| <b>Casing Material:</b>    |                      | <b>Abandonment Rec:</b>   |                 |
| <b>Audit No:</b>           | 220937               | <b>Contractor:</b>        | 1558            |
| <b>Tag:</b>                |                      | <b>Form Version:</b>      | 1               |
| <b>Constructn Method:</b>  |                      | <b>Owner:</b>             |                 |
| <b>Elevation (m):</b>      |                      | <b>County:</b>            | OTTAWA-CARLETON |
| <b>Elevatn Reliabilty:</b> |                      | <b>Lot:</b>               | 012             |
| <b>Depth to Bedrock:</b>   |                      | <b>Concession:</b>        |                 |
| <b>Well Depth:</b>         |                      | <b>Concession Name:</b>   | BF              |
| <b>Overburden/Bedrock:</b> |                      | <b>Easting NAD83:</b>     |                 |
| <b>Pump Rate:</b>          |                      | <b>Northing NAD83:</b>    |                 |
| <b>Static Water Level:</b> |                      | <b>Zone:</b>              |                 |
| <b>Clear/Cloudy:</b>       |                      | <b>UTM Reliability:</b>   |                 |
| <b>Municipality:</b>       | NORTH GOWER TOWNSHIP |                           |                 |
| <b>Site Info:</b>          |                      |                           |                 |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/153\1531416.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1531416.pdf)

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

**Well Completed Date:** 09/21/2000  
**Year Completed:** 2000  
**Depth (m):** 76.2  
**Latitude:** 45.1976936447309  
**Longitude:** -75.6459989208717  
**Path:** 153\1531416.pdf

#### Bore Hole Information

|                        |          |                   |    |
|------------------------|----------|-------------------|----|
| <b>Bore Hole ID:</b>   | 10052950 | <b>Elevation:</b> |    |
| <b>DP2BR:</b>          |          | <b>Elevrc:</b>    |    |
| <b>Spatial Status:</b> |          | <b>Zone:</b>      | 18 |

| Map Key                             | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                    | DB          |
|-------------------------------------|-------------------|----------------------------|------------------|-------------------------|-------------|
| <b>Code OB:</b>                     |                   |                            |                  | <b>East83:</b>          | 449260.80   |
| <b>Code OB Desc:</b>                |                   |                            |                  | <b>North83:</b>         | 5005115.00  |
| <b>Open Hole:</b>                   |                   |                            |                  | <b>Org CS:</b>          |             |
| <b>Cluster Kind:</b>                |                   |                            |                  | <b>UTMRC:</b>           | 9           |
| <b>Date Completed:</b>              | 09/21/2000        |                            |                  | <b>UTMRC Desc:</b>      | unknown UTM |
| <b>Remarks:</b>                     |                   |                            |                  | <b>Location Method:</b> | lot         |
| <b>Loc Method Desc:</b>             |                   | Lot centroid               |                  |                         |             |
| <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:** 931078428  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 02  
**Most Common Material:** TOPSOIL  
**Mat2:** 81  
**Mat2 Desc:** SANDY  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 8.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931078429  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 13  
**Mat2 Desc:** BOULDERS  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 8.0  
**Formation End Depth:** 32.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 931078431  
**Layer:** 4  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 57.0  
**Formation End Depth:** 250.0

| <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>                                    |                          | 931078430                      |                      |             |           |
| <b>Layer:</b>   |                          | 3                              |                      |             |           |
| <b>Color:</b>   |                          | 2                              |                      |             |           |
| <b>General Color:</b>                                   |                          | GREY                           |                      |             |           |
| <b>Mat1:</b>  |                          | 14                             |                      |             |           |
| <b>Most Common Material:</b>                            |                          | HARDPAN                        |                      |             |           |
| <b>Mat2:</b>  |                          | 13                             |                      |             |           |
| <b>Mat2 Desc:</b>                                       |                          | BOULDERS                       |                      |             |           |
| <b>Mat3:</b>  |                          |                                |                      |             |           |
| <b>Mat3 Desc:</b>                                       |                          |                                |                      |             |           |
| <b>Formation Top Depth:</b>                             |                          | 32.0                           |                      |             |           |
| <b>Formation End Depth:</b>                             |                          | 57.0                           |                      |             |           |
| <b>Formation End Depth UOM:</b>                         |                          | ft                             |                      |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b>  |                          |                                |                      |             |           |
| <b>Plug ID:</b>   |                          | 933116585                      |                      |             |           |
| <b>Layer:</b>   |                          | 1                              |                      |             |           |
| <b>Plug From:</b>                                       |                          | 57.0                           |                      |             |           |
| <b>Plug To:</b>   |                          | 0.0                            |                      |             |           |
| <b>Plug Depth UOM:</b>                                  |                          | ft                             |                      |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>     |                          |                                |                      |             |           |
| <b>Method Construction ID:</b>                          |                          | 961531416                      |                      |             |           |
| <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>   |                          | 10601520                       |                      |             |           |
| <b>Casing No:</b>                                       |                          | 1                              |                      |             |           |
| <b>Comment:</b>   |                          |                                |                      |             |           |
| <b>Alt Name:</b>  |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>              |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                       |                          | 930092647                      |                      |             |           |
| <b>Layer:</b>   |                          | 1                              |                      |             |           |
| <b>Material:</b>  |                          | 1                              |                      |             |           |
| <b>Open Hole or Material:</b>                           |                          | STEEL                          |                      |             |           |
| <b>Depth From:</b>                                      |                          |                                |                      |             |           |
| <b>Depth To:</b>  |                          |                                |                      |             |           |
| <b>Casing Diameter:</b>                                 |                          | 6.0                            |                      |             |           |
| <b>Casing Diameter UOM:</b>                             |                          | inch                           |                      |             |           |
| <b>Casing Depth UOM:</b>                                |                          | ft                             |                      |             |           |
| <b><u>Construction Record - Casing</u></b>              |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                       |                          | 930092648                      |                      |             |           |
| <b>Layer:</b>   |                          | 2                              |                      |             |           |
| <b>Material:</b>  |                          | 4                              |                      |             |           |
| <b>Open Hole or Material:</b>                           |                          | OPEN HOLE                      |                      |             |           |

| <b>Map Key</b>                                  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Depth From:</b>                              |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                |                          |                                    |                          |             |           |
| <b>Casing Diameter:</b>                         |                          | 6.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                     |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                        |                          | ft                                 |                          |             |           |
| <br><b><u>Results of Well Yield Testing</u></b> |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b>                |                          | PUMP                               |                          |             |           |
| <b>Pump Test ID:</b>                            |                          | 991531416                          |                          |             |           |
| <b>Pump Set At:</b>                             |                          |                                    |                          |             |           |
| <b>Static Level:</b>                            |                          | 20.0                               |                          |             |           |
| <b>Final Level After Pumping:</b>               |                          | 125.0                              |                          |             |           |
| <b>Recommended Pump Depth:</b>                  |                          | 150.0                              |                          |             |           |
| <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>             |                          | 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>                    |                          |                                    |                          |             |           |
| <b>Flowing:</b>                                 |                          | No                                 |                          |             |           |
| <br><b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                     |                          | 934657559                          |                          |             |           |
| <b>Test Type:</b>                               |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                           |                          | 45                                 |                          |             |           |
| <b>Test Level:</b>                              |                          | 200.0                              |                          |             |           |
| <b>Test Level UOM:</b>                          |                          | ft                                 |                          |             |           |
| <br><b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                     |                          | 934112869                          |                          |             |           |
| <b>Test Type:</b>                               |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                           |                          | 15                                 |                          |             |           |
| <b>Test Level:</b>                              |                          | 125.0                              |                          |             |           |
| <b>Test Level UOM:</b>                          |                          | ft                                 |                          |             |           |
| <br><b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                     |                          | 934396068                          |                          |             |           |
| <b>Test Type:</b>                               |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                           |                          | 30                                 |                          |             |           |
| <b>Test Level:</b>                              |                          | 150.0                              |                          |             |           |
| <b>Test Level UOM:</b>                          |                          | ft                                 |                          |             |           |
| <br><b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                     |                          | 934914450                          |                          |             |           |
| <b>Test Type:</b>                               |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                           |                          | 60                                 |                          |             |           |
| <b>Test Level:</b>                              |                          | 245.0                              |                          |             |           |
| <b>Test Level UOM:</b>                          |                          | ft                                 |                          |             |           |
| <br><b><u>Water Details</u></b>                 |                          |                                    |                          |             |           |
| <b>Water ID:</b>                                |                          | 933491860                          |                          |             |           |

| Map Key                | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site        | DB                 |
|------------------------|-------------------|----------------------------|------------------|-------------|--------------------|
| Layer:                 |                   | 1                          |                  |             |                    |
| Kind Code:             |                   | 5                          |                  |             |                    |
| Kind:                  |                   | Not stated                 |                  |             |                    |
| Water Found Depth:     |                   | 251.0                      |                  |             |                    |
| Water Found Depth UOM: |                   | ft                         |                  |             |                    |
| <b>Links</b>           |                   |                            |                  |             |                    |
| Bore Hole ID:          | 10052950          |                            |                  | Tag No:     |                    |
| Depth M:               | 76.2              |                            |                  | Contractor: | 1558               |
| Year Completed:        | 2000              |                            |                  | Latitude:   | 45.1976936447309   |
| Well Completed Dt:     | 09/21/2000        |                            |                  | Longitude:  | -75.6459989208717  |
| Audit No:              | 220937            |                            |                  | Y:          | 45.19769363752915  |
| Path:                  | 153\1531416.pdf   |                            |                  | X:          | -75.64599875999524 |

| <a href="#">16</a>  | 1 of 1         | E/222.9 | 89.9 / -2.00 | ON                 | BORE           |
|---------------------|----------------|---------|--------------|--------------------|----------------|
| Borehole ID:        | 611653         |         |              | Inclin FLG:        | No             |
| OGF ID:             | 215512969      |         |              | SP Status:         | Initial Entry  |
| Status:             |                |         |              | Surv Elev:         | No             |
| Type:               | Borehole       |         |              | Piezometer:        | No             |
| Use:                |                |         |              | Primary Name:      |                |
| Completion Date:    | FEB-1956       |         |              | Municipality:      |                |
| Static Water Level: |                |         |              | Lot:               |                |
| Primary Water Use:  |                |         |              | Township:          |                |
| Sec. Water Use:     |                |         |              | Latitude DD:       | 45.190213      |
| Total Depth m:      | 48.2           |         |              | Longitude DD:      | -75.642924     |
| Depth Ref:          | Ground Surface |         |              | UTM Zone:          | 18             |
| Depth Elev:         |                |         |              | Easting:           | 449496         |
| Drill Method:       |                |         |              | Northing:          | 5004282        |
| Orig Ground Elev m: | 91.4           |         |              | Location Accuracy: |                |
| Elev Reliabil Note: |                |         |              | Accuracy:          | Not Applicable |
| DEM Ground Elev m:  | 89.5           |         |              |                    |                |
| Concession:         |                |         |              |                    |                |
| Location D:         |                |         |              |                    |                |
| Survey D:           |                |         |              |                    |                |
| Comments:           |                |         |              |                    |                |

**Borehole Geology Stratum**

|                           |   |  |  |                     |      |
|---------------------------|---|--|--|---------------------|------|
| Geology Stratum ID:       | 218388851   |  |  | Mat Consistency:    | Firm |
| Top Depth:                | 26.5  |  |  | Material Moisture:  |      |
| Bottom Depth:             | 48.2  |  |  | Material Texture:   |      |
| Material Color:           | Blue  |  |  | Non Geo Mat Type:   |      |
| Material 1:               | Limestone   |  |  | Geologic Formation: |      |
| Material 2:               |   |  |  | Geologic Group:     |      |
| Material 3:               |   |  |  | Geologic Period:    |      |
| Material 4:               |   |  |  | Depositional Gen:   |      |
| Gsc Material Description: |   |  |  |                     |      |
| Stratum Description:      | LIMESTONE. BLUE. 00143. GREY. LIMESTONE. GREY. 00086. GREY, FIRM. SAND. BROWN. BEDROC **Note: Many records provided by the department have a truncated [Stratum Description] field. |  |  |                     |      |
| Geology Stratum ID:       | 218388846   |  |  | Mat Consistency:    |      |
| Top Depth:                | 0   |  |  | Material Moisture:  |      |
| Bottom Depth:             | 2.7   |  |  | Material Texture:   |      |
| Material Color:           | Black   |  |  | Non Geo Mat Type:   |      |
| Material 1:               | Fill  |  |  | Geologic Formation: |      |
| Material 2:               |   |  |  | Geologic Group:     |      |
| Material 3:               |   |  |  | Geologic Period:    |      |
| Material 4:               |   |  |  | Depositional Gen:   | fill |
| Gsc Material Description: |   |  |  |                     |      |
| Stratum Description:      | FILL. BLACK.  |  |  |                     |      |



| Map Key  | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site  | DB  |
|--|---|----------------------------|------------------|---|---|
| <b>Geology Stratum ID:</b><br><b>Top Depth:</b><br><b>Bottom Depth:</b><br><b>Material Color:</b><br><b>Material 1:</b><br><b>Material 2:</b><br><b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b> | 218388847<br>2.7<br>12.2<br><br>Gravel<br>Boulders<br><br><br><br>GRAVEL,BOULDERS.  |                            |                  | <b>Mat Consistency:</b><br><b>Material Moisture:</b><br><b>Material Texture:</b><br><b>Non Geo Mat Type:</b><br><b>Geologic Formation:</b><br><b>Geologic Group:</b><br><b>Geologic Period:</b><br><b>Depositional Gen:</b> |   |
| <b>Geology Stratum ID:</b><br><b>Top Depth:</b><br><b>Bottom Depth:</b><br><b>Material Color:</b><br><b>Material 1:</b><br><b>Material 2:</b><br><b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b> | 218388848<br>12.2<br>21.3<br><br>Gravel<br><br><br><br>HARDPAN,GRAVEL.  |                            |                  | <b>Mat Consistency:</b><br><b>Material Moisture:</b><br><b>Material Texture:</b><br><b>Non Geo Mat Type:</b><br><b>Geologic Formation:</b><br><b>Geologic Group:</b><br><b>Geologic Period:</b><br><b>Depositional Gen:</b> | Hard  |
| <b>Geology Stratum ID:</b><br><b>Top Depth:</b><br><b>Bottom Depth:</b><br><b>Material Color:</b><br><b>Material 1:</b><br><b>Material 2:</b><br><b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b> | 218388849<br>21.3<br>24.4<br><br>Gravel<br><br><br><br>GRAVEL.  |                            |                  | <b>Mat Consistency:</b><br><b>Material Moisture:</b><br><b>Material Texture:</b><br><b>Non Geo Mat Type:</b><br><b>Geologic Formation:</b><br><b>Geologic Group:</b><br><b>Geologic Period:</b><br><b>Depositional Gen:</b> |   |
| <b>Geology Stratum ID:</b><br><b>Top Depth:</b><br><b>Bottom Depth:</b><br><b>Material Color:</b><br><b>Material 1:</b><br><b>Material 2:</b><br><b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b> | 218388850<br>24.4<br>26.5<br><br><br><br><br><br>HARDPAN.   |                            |                  | <b>Mat Consistency:</b><br><b>Material Moisture:</b><br><b>Material Texture:</b><br><b>Non Geo Mat Type:</b><br><b>Geologic Formation:</b><br><b>Geologic Group:</b><br><b>Geologic Period:</b><br><b>Depositional Gen:</b> | Hard  |
| <b>Source</b>  |   |                            |                  |   |   |
| <b>Source Type:</b><br><b>Source Orig:</b><br><b>Source Date:</b><br><b>Confidence:</b><br><b>Observatio:</b><br><b>Source Name:</b><br><b>Source Details:</b><br><b>Confiden 1:</b>   | Data Survey<br>Geological Survey of Canada<br>1956-1972<br><br><br>Urban Geology Automated Information System (UGAIS)<br>File: OTTAWA1.txt RecordID: 04161 NTS_Sheet: |                            |                  | <b>Source Appl:</b><br><b>Source Iden:</b><br><b>Scale or Res:</b><br><b>Horizontal:</b><br><b>Verticalda:</b>  | Spatial/Tabular<br>1<br>Varies<br>NAD27<br>Mean Average Sea Level |
| <b>Source List</b>   |   |                            |                  |   |   |
| <b>Source Identifier:</b><br><b>Source Type:</b><br><b>Source Date:</b><br><b>Scale or Resolution:</b><br><b>Source Name:</b><br><b>Source Originators:</b>  | 1<br>Data Survey<br>1956-1972<br>Varies<br>Urban Geology Automated Information System (UGAIS)<br>Geological Survey of Canada  |                            |                  | <b>Horizontal Datum:</b><br><b>Vertical Datum:</b><br><b>Projection Name:</b>   | NAD27<br>Mean Average Sea Level<br>Universal Transverse Mercator  |

| Map Key  | Number of Records | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site         | DB   |
|--|-------------------|---|------------------|--------------|------|
| <a href="#">17</a>   | 1 of 1            | E/223.0   | 89.9 / -2.00     | lot 14<br>ON | WWIS |
| <b>Well ID:</b> 1506568<br><b>Construction Date:</b><br><b>Use 1st:</b> Domestic<br><b>Use 2nd:</b> 0<br><b>Final Well Status:</b> Water Supply<br><b>Water Type:</b><br><b>Casing Material:</b><br><b>Audit No:</b><br><b>Tag:</b><br><b>Constructn Method:</b><br><b>Elevation (m):</b><br><b>Elevatn Reliabilty:</b><br><b>Depth to Bedrock:</b><br><b>Well Depth:</b><br><b>Overburden/Bedrock:</b><br><b>Pump Rate:</b><br><b>Static Water Level:</b><br><b>Clear/Cloudy:</b><br><b>Municipality:</b> NORTH GOWER TOWNSHIP<br><b>Site Info:</b> |                   | <b>Flowing (Y/N):</b><br><b>Flow Rate:</b><br><b>Data Entry Status:</b><br><b>Data Src:</b> 1<br><b>Date Received:</b> 03/15/1956<br><b>Selected Flag:</b> TRUE<br><b>Abandonment Rec:</b><br><b>Contractor:</b> 3566<br><b>Form Version:</b> 1<br><b>Owner:</b><br><b>County:</b> OTTAWA-CARLETON<br><b>Lot:</b> 014<br><b>Concession:</b><br><b>Concession Name:</b> BF<br><b>Easting NAD83:</b><br><b>Northing NAD83:</b><br><b>Zone:</b><br><b>UTM Reliability:</b> |                  |              |      |
| <b>PDF URL (Map):</b>  |                   | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506568.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506568.pdf</a>   |                  |              |      |
| <b><u>Additional Detail(s) (Map)</u></b>   |                   |   |                  |              |      |
| <b>Well Completed Date:</b> 02/09/1956<br><b>Year Completed:</b> 1956<br><b>Depth (m):</b> 48.1584<br><b>Latitude:</b> 45.1902126443491<br><b>Longitude:</b> -75.6429239888505<br><b>Path:</b> 150\1506568.pdf   |                   |   |                  |              |      |
| <b><u>Bore Hole Information</u></b>  |                   |   |                  |              |      |
| <b>Bore Hole ID:</b> 10028604<br><b>DP2BR:</b><br><b>Spatial Status:</b><br><b>Code OB:</b><br><b>Code OB Desc:</b><br><b>Open Hole:</b><br><b>Cluster Kind:</b><br><b>Date Completed:</b> 02/09/1956<br><b>Remarks:</b><br><b>Loc Method Desc:</b> Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m<br><b>Elevrc Desc:</b><br><b>Location Source Date:</b><br><b>Improvement Location Source:</b><br><b>Improvement Location Method:</b><br><b>Source Revision Comment:</b><br><b>Supplier Comment:</b>                             |                   | <b>Elevation:</b><br><b>Elevrc:</b><br><b>Zone:</b> 18<br><b>East83:</b> 449495.70<br><b>North83:</b> 5004282.00<br><b>Org CS:</b><br><b>UTMRC:</b> 5<br><b>UTMRC Desc:</b> margin of error : 100 m - 300 m<br><b>Location Method:</b> p5   |                  |              |      |
| <b><u>Overburden and Bedrock</u></b>   |                   |   |                  |              |      |
| <b><u>Materials Interval</u></b>   |                   |   |                  |              |      |
| <b>Formation ID:</b> 931004860<br><b>Layer:</b> 1<br><b>Color:</b> 8<br><b>General Color:</b> BLACK  |                   |   |                  |              |      |

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Mat1:</b>  |                          | 01                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | FILL                               |                          |             |           |
| <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>                                 |                          | 9.0                                |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931004864                          |                          |             |           |
| <b>Layer:</b>   |                          | 5                                  |                          |             |           |
| <b>Color:</b>   |                          |                                    |                          |             |           |
| <b>General Color:</b>                                       |                          |                                    |                          |             |           |
| <b>Mat1:</b>  |                          | 14                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | HARDPAN                            |                          |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |
| <b>Mat2 Desc:</b>   |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 80.0                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 87.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931004865                          |                          |             |           |
| <b>Layer:</b>   |                          | 6                                  |                          |             |           |
| <b>Color:</b>   |                          | 3                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | BLUE                               |                          |             |           |
| <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>                                 |                          | 87.0                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 158.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 931004863                          |                          |             |           |
| <b>Layer:</b>   |                          | 4                                  |                          |             |           |
| <b>Color:</b>   |                          |                                    |                          |             |           |
| <b>General Color:</b>                                       |                          |                                    |                          |             |           |
| <b>Mat1:</b>  |                          | 11                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | GRAVEL                             |                          |             |           |
| <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>Map Key</b>                                      | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b><u>Materials Interval</u></b>                    |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                                |                          | 931004862                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 3                                  |                          |             |           |
| <b>Color:</b>                                       |                          |                                    |                          |             |           |
| <b>General Color:</b>                               |                          |                                    |                          |             |           |
| <b>Mat1:</b>  |                          | 14                                 |                          |             |           |
| <b>Most Common Material:</b>                        |                          | HARDPAN                            |                          |             |           |
| <b>Mat2:</b>  |                          | 11                                 |                          |             |           |
| <b>Mat2 Desc:</b>                                   |                          | GRAVEL                             |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                         |                          | 40.0                               |                          |             |           |
| <b>Formation End Depth:</b>                         |                          | 70.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>                |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                    |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                                |                          | 931004861                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 2                                  |                          |             |           |
| <b>Color:</b>                                       |                          |                                    |                          |             |           |
| <b>General Color:</b>                               |                          |                                    |                          |             |           |
| <b>Mat1:</b>  |                          | 11                                 |                          |             |           |
| <b>Most Common Material:</b>                        |                          | GRAVEL                             |                          |             |           |
| <b>Mat2:</b>  |                          | 13                                 |                          |             |           |
| <b>Mat2 Desc:</b>                                   |                          | BOULDERS                           |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                         |                          | 9.0                                |                          |             |           |
| <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>                      |                          | 961506568                          |                          |             |           |
| <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>                                     |                          | 10577174                           |                          |             |           |
| <b>Casing No:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                                     |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                    |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930049940                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 90.0                               |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 5.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                            |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |

| Map Key                                     | Number of Records | Direction/<br>Distance (m)          | Elev/Diff<br>(m) | Site | DB |
|---|-------------------|-------------------------------------|------------------|------|----|
| <b>Casing ID:</b> 930049941                 |                   |                                     |                  |      |    |
| <b>Layer:</b> 2                             |                   |                                     |                  |      |    |
| <b>Material:</b> 4                          |                   |                                     |                  |      |    |
| <b>Open Hole or Material:</b> OPEN HOLE     |                   |                                     |                  |      |    |
| <b>Depth From:</b>                          |                   |                                     |                  |      |    |
| <b>Depth To:</b> 158.0                      |                   |                                     |                  |      |    |
| <b>Casing Diameter:</b> 5.0                 |                   |                                     |                  |      |    |
| <b>Casing Diameter UOM:</b> inch            |                   |                                     |                  |      |    |
| <b>Casing Depth UOM:</b> ft                 |                   |                                     |                  |      |    |
| <b><u>Results of Well Yield Testing</u></b> |                   |                                     |                  |      |    |
| <b>Pumping Test Method Desc:</b> PUMP       |                   |                                     |                  |      |    |
| <b>Pump Test ID:</b> 991506568              |                   |                                     |                  |      |    |
| <b>Pump Set At:</b>                         |                   |                                     |                  |      |    |
| <b>Static Level:</b> 38.0                   |                   |                                     |                  |      |    |
| <b>Final Level After Pumping:</b> 70.0      |                   |                                     |                  |      |    |
| <b>Recommended Pump Depth:</b>              |                   |                                     |                  |      |    |
| <b>Pumping Rate:</b> 5.0                    |                   |                                     |                  |      |    |
| <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> 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>Water Details</u></b>                 |                   |                                     |                  |      |    |
| <b>Water ID:</b> 933460724                  |                   |                                     |                  |      |    |
| <b>Layer:</b> 2                             |                   |                                     |                  |      |    |
| <b>Kind Code:</b> 1                         |                   |                                     |                  |      |    |
| <b>Kind:</b> FRESH                          |                   |                                     |                  |      |    |
| <b>Water Found Depth:</b> 143.0             |                   |                                     |                  |      |    |
| <b>Water Found Depth UOM:</b> ft            |                   |                                     |                  |      |    |
| <b><u>Water Details</u></b>                 |                   |                                     |                  |      |    |
| <b>Water ID:</b> 933460723                  |                   |                                     |                  |      |    |
| <b>Layer:</b> 1                             |                   |                                     |                  |      |    |
| <b>Kind Code:</b> 1                         |                   |                                     |                  |      |    |
| <b>Kind:</b> FRESH                          |                   |                                     |                  |      |    |
| <b>Water Found Depth:</b> 120.0             |                   |                                     |                  |      |    |
| <b>Water Found Depth UOM:</b> ft            |                   |                                     |                  |      |    |
| <b><u>Links</u></b>                         |                   |                                     |                  |      |    |
| <b>Bore Hole ID:</b> 10028604               |                   | <b>Tag No:</b>                      |                  |      |    |
| <b>Depth M:</b> 48.1584                     |                   | <b>Contractor:</b> 3566             |                  |      |    |
| <b>Year Completed:</b> 1956                 |                   | <b>Latitude:</b> 45.1902126443491   |                  |      |    |
| <b>Well Completed Dt:</b> 02/09/1956        |                   | <b>Longitude:</b> -75.6429239888505 |                  |      |    |
| <b>Audit No:</b>                            |                   | <b>Y:</b> 45.19021263690196         |                  |      |    |
| <b>Path:</b> 150\1506568.pdf                |                   | <b>X:</b> -75.64292382752265        |                  |      |    |

[18](#)

1 of 1

ENE/227.4

85.8 / -6.05

ON

BORE

**Borehole ID:**  
**OGF ID:**611663  
215512979**Inclin FLG:**  
**SP Status:**No  
Initial Entry

| Map Key                                | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                       | DB                     |
|--|---|----------------------------|------------------|----------------------------|------------------------|
| <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>                | SEP-1969  |                            |                  | <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>        | 45.195276              |
| <b>Total Depth m:</b>                  | 32.9  |                            |                  | <b>Longitude DD:</b>       | -75.639098             |
| <b>Depth Ref:</b>                      | Ground Surface  |                            |                  | <b>UTM Zone:</b>           | 18                     |
| <b>Depth Elev:</b>                     |   |                            |                  | <b>Easting:</b>            | 449801                 |
| <b>Drill Method:</b>                   |   |                            |                  | <b>Northing:</b>           | 5004842                |
| <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>              | 87.5  |                            |                  |                            |                        |
| <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>             | 218388875   |                            |                  | <b>Mat Consistency:</b>    |                        |
| <b>Top Depth:</b>                      | 25.6  |                            |                  | <b>Material Moisture:</b>  |                        |
| <b>Bottom Depth:</b>                   | 32.9  |                            |                  | <b>Material Texture:</b>   |                        |
| <b>Material Color:</b>                 | Blue  |                            |                  | <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. GREY. 00105FEET.BEDROCK,LIMESTONE. BLUE. 00143. GREY. LIMESTONE. GREY. |                            |                  |                            |                        |
| <b>Geology Stratum ID:</b>             | 218388874   |                            |                  | <b>Mat Consistency:</b>    |                        |
| <b>Top Depth:</b>                      | 22.6  |                            |                  | <b>Material Moisture:</b>  |                        |
| <b>Bottom Depth:</b>                   | 25.6  |                            |                  | <b>Material Texture:</b>   |                        |
| <b>Material Color:</b>                 |   |                            |                  | <b>Non Geo Mat Type:</b>   |                        |
| <b>Material 1:</b>                     | Sand  |                            |                  | <b>Geologic Formation:</b> |                        |
| <b>Material 2:</b>                     | Gravel  |                            |                  | <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>            | SAND,GRAVEL.  |                            |                  |                            |                        |
| <b>Geology Stratum ID:</b>             | 218388873   |                            |                  | <b>Mat Consistency:</b>    |                        |
| <b>Top Depth:</b>                      | 0   |                            |                  | <b>Material Moisture:</b>  |                        |
| <b>Bottom Depth:</b>                   | 22.6  |                            |                  | <b>Material Texture:</b>   |                        |
| <b>Material Color:</b>                 | Blue  |                            |                  | <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. BLUE.   |                            |                  |                            |                        |
| <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: 04171 NTS_Sheet:                                      |                            |                  |                            |                        |
| <b>Confiden 1:</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> |
|----------------|--------------------------|--------------------------------|----------------------|-------------|-----------|
|----------------|--------------------------|--------------------------------|----------------------|-------------|-----------|

**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                        |                          |                               |

# Unplottable Summary

Total: **15** Unplottable sites

| DB   | Company Name/Site Name        | Address  | City          | Postal  |
|------|-------------------------------|--|---------------|---------|
| CA   | City of Ottawa                | Rideau Valley Drive                              | Ottawa ON     |         |
| DTNK | 595831 ONT INC                | RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON CA        | ON            |         |
| DTNK | 595831 ONT INC                | RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON CA        | ON            |         |
| DTNK |                               | RIDEAU VALLEY DR RIDEAU TWP N5V 3K5              | ON            |         |
| DTNK |                               | RIDEAU VALLEY DR RIDEAU TWP N5V 3K5              | ON            |         |
| EXP  |                               | RIDEAU VALLEY DR                                 | RIDEAU TWP ON | N5V 3K5 |
| FST  | 595831 ONT INC                | RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON CA        | ON            |         |
| FST  | 595831 ONT INC                | RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON CA        | ON            |         |
| GEN  | City of Ottawa                | Rideau Valley Dr. right of way Manotick Main St. | Ottawa ON     |         |
| GEN  | City of Ottawa                | Rideau Valley Dr. right of way Manotick Main St. | Ottawa ON     |         |
| PRT  | RIDEAU VIEW GOLF CLUB         | RIDEAU VALLEY DR LOTS 10 & 11                    | MANOTICK ON   |         |
| PRT  | CAMERON D GENERAL STORE       | RIDEAU VALLEY DR                                 | KARS ON       |         |
| PRT  | 595831 ONT INC                | RIDEAU VALLEY DR                                 | RIDEAU TWP ON |         |
| SPL  | Taggart Construction Limited  | Rideau Valley Drive                              | Ottawa ON     |         |
| SPL  | Marathon Drilling<UNOFFICIAL> | Rideau Valley Drive at Mud Creek                 | Ottawa ON     |         |



# Unplottable Report

**Site:** City of Ottawa  
Rideau Valley Drive Ottawa ON

**Database:**  
CA

**Certificate #:** 8286-7L6SKV  
**Application Year:** 2009  
**Issue Date:** 1/7/2009  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

**Site:** 595831 ONT INC  
RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON CA ON

**Database:**  
DTNK

**Delisted Expired Fuel Safety  
Facilities**

|                                     |                     |                             |  |
|-------------------------------------|---------------------|-----------------------------|--|
| <b>Instance No:</b>                 | 10940468            | <b>Expired Date:</b>        |  |
| <b>Status:</b>                      | Abandoned           | <b>Max Hazard Rank:</b>     | NULL   |
| <b>Instance ID:</b>                 |                     | <b>Facility Location:</b>   | RIDEAU VALLEY DR RIDEAU TWP N5V 3K5<br>ON CA |
| <b>Instance Type:</b>               |                     | <b>Facility Type:</b>       | FS LIQUID FUEL TANK                          |
| <b>Instance Creation Dt:</b>        | 4/30/1992           | <b>Fuel Type 2:</b>         | NULL   |
| <b>Instance Install Dt:</b>         | 4/30/1992           | <b>Fuel Type 3:</b>         | NULL   |
| <b>Item Description:</b>            | FS Liquid Fuel Tank | <b>Panam Related:</b>       | NULL   |
| <b>Manufacturer:</b>                | NULL                | <b>Panam Venue Nm:</b>      | NULL   |
| <b>Model:</b>                       | NULL                | <b>External Identifier:</b> | NULL   |
| <b>Serial No:</b>                   | NULL                | <b>Item:</b>                |  |
| <b>ULC Standard:</b>                | NULL                | <b>Piping Steel:</b>        |  |
| <b>Quantity:</b>                    | 1                   | <b>Piping Galvanized:</b>   |  |
| <b>Unit of Measure:</b>             | EA                  | <b>Tank Single Wall St:</b> |  |
| <b>Overfill Prot Type:</b>          | NULL                | <b>Piping Underground:</b>  |  |
| <b>Creation Date:</b>               | 7/5/2009 1:22:25 AM | <b>Tank Underground:</b>    |  |
| <b>Next Periodic Str DT:</b>        | NULL                | <b>Source:</b>              | FS Liquid Fuel Tank                          |
| <b>TSSA Base Sched Cycle 2:</b>     | NULL                |                             |  |
| <b>TSSAMax Hazard Rank 1:</b>       | NULL                |                             |  |
| <b>TSSA Risk Based Periodic Yn:</b> | NULL                |                             |  |
| <b>TSSA Volume of Directives:</b>   | NULL                |                             |  |
| <b>TSSA Periodic Exempt:</b>        | NULL                |                             |  |
| <b>TSSA Statutory Interval:</b>     | NULL                |                             |  |
| <b>TSSA Recd Insp Interva:</b>      | NULL                |                             |  |
| <b>TSSA Recd Tolerance:</b>         | NULL                |                             |  |
| <b>TSSA Program Area:</b>           | NULL                |                             |  |
| <b>TSSA Program Area 2:</b>         | NULL                |                             |  |
| <b>Description:</b>                 | UNDERGROUND TANK    |                             |  |
| <b>Original Source:</b>             | EXP                 |                             |  |
| <b>Record Date:</b>                 | 31-JUL-2020         |                             |  |

**Site:** 595831 ONT INC

**Database:**  
DTNK

Delisted Expired Fuel Safety Facilities

|                                     |                     |                             |  |
|-------------------------------------|---------------------|-----------------------------|--|
| <b>Instance No:</b>                 | 10940446            | <b>Expired Date:</b>        | NULL   |
| <b>Status:</b>                      | Abandoned           | <b>Max Hazard Rank:</b>     | NULL   |
| <b>Instance ID:</b>                 |                     | <b>Facility Location:</b>   | RIDEAU VALLEY DR RIDEAU TWP N5V 3K5<br>ON CA |
| <b>Instance Type:</b>               |                     | <b>Facility Type:</b>       | FS LIQUID FUEL TANK                          |
| <b>Instance Creation Dt:</b>        | 4/30/1992           | <b>Fuel Type 2:</b>         | NULL   |
| <b>Instance Install Dt:</b>         | 4/30/1992           | <b>Fuel Type 3:</b>         | NULL   |
| <b>Item Description:</b>            | FS Liquid Fuel Tank | <b>Panam Related:</b>       | NULL   |
| <b>Manufacturer:</b>                | NULL                | <b>Panam Venue Nm:</b>      | NULL   |
| <b>Model:</b>                       | NULL                | <b>External Identifier:</b> | NULL   |
| <b>Serial No:</b>                   | NULL                | <b>Item:</b>                |  |
| <b>ULC Standard:</b>                | NULL                | <b>Piping Steel:</b>        |  |
| <b>Quantity:</b>                    | 1                   | <b>Piping Galvanized:</b>   |  |
| <b>Unit of Measure:</b>             | EA                  | <b>Tank Single Wall St:</b> |  |
| <b>Overfill Prot Type:</b>          | NULL                | <b>Piping Underground:</b>  |  |
| <b>Creation Date:</b>               | 7/5/2009 1:22:24 AM | <b>Tank Underground:</b>    |  |
| <b>Next Periodic Str DT:</b>        | NULL                | <b>Source:</b>              | FS Liquid Fuel Tank                          |
| <b>TSSA Base Sched Cycle 2:</b>     | NULL                |                             |  |
| <b>TSSAMax Hazard Rank 1:</b>       | NULL                |                             |  |
| <b>TSSA Risk Based Periodic Yn:</b> | NULL                |                             |  |
| <b>TSSA Volume of Directives:</b>   | NULL                |                             |  |
| <b>TSSA Periodic Exempt:</b>        | NULL                |                             |  |
| <b>TSSA Statutory Interval:</b>     | NULL                |                             |  |
| <b>TSSA Recd Insp Interva:</b>      | NULL                |                             |  |
| <b>TSSA Recd Tolerance:</b>         | NULL                |                             |  |
| <b>TSSA Program Area:</b>           | NULL                |                             |  |
| <b>TSSA Program Area 2:</b>         | NULL                |                             |  |
| <b>Description:</b>                 | UNDERGROUND TANK    |                             |  |
| <b>Original Source:</b>             | EXP                 |                             |  |
| <b>Record Date:</b>                 | 31-JUL-2020         |                             |  |

**Site:** RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON

**Database:** DTNK

Delisted Expired Fuel Safety Facilities

|                                     |           |                             |                                     |
|-------------------------------------|-----------|-----------------------------|-------------------------------------|
| <b>Instance No:</b>                 | 9724864   | <b>Expired Date:</b>        |                                     |
| <b>Status:</b>                      | Abandoned | <b>Max Hazard Rank:</b>     |                                     |
| <b>Instance ID:</b>                 |           | <b>Facility Location:</b>   | RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 |
| <b>Instance Type:</b>               |           | <b>Facility Type:</b>       |                                     |
| <b>Instance Creation Dt:</b>        |           | <b>Fuel Type 2:</b>         |                                     |
| <b>Instance Install Dt:</b>         |           | <b>Fuel Type 3:</b>         |                                     |
| <b>Item Description:</b>            |           | <b>Panam Related:</b>       |                                     |
| <b>Manufacturer:</b>                |           | <b>Panam Venue Nm:</b>      |                                     |
| <b>Model:</b>                       |           | <b>External Identifier:</b> |                                     |
| <b>Serial No:</b>                   |           | <b>Item:</b>                | FS GASOLINE STATION - FULL SERVE    |
| <b>ULC Standard:</b>                |           | <b>Piping Steel:</b>        | 2                                   |
| <b>Quantity:</b>                    |           | <b>Piping Galvanized:</b>   | 0                                   |
| <b>Unit of Measure:</b>             |           | <b>Tank Single Wall St:</b> | 2                                   |
| <b>Overfill Prot Type:</b>          |           | <b>Piping Underground:</b>  | 2                                   |
| <b>Creation Date:</b>               |           | <b>Tank Underground:</b>    | 2                                   |
| <b>Next Periodic Str DT:</b>        |           | <b>Source:</b>              | FS All Facility                     |
| <b>TSSA Base Sched Cycle 2:</b>     |           |                             |                                     |
| <b>TSSAMax Hazard Rank 1:</b>       |           |                             |                                     |
| <b>TSSA Risk Based Periodic Yn:</b> |           |                             |                                     |
| <b>TSSA Volume of Directives:</b>   |           |                             |                                     |
| <b>TSSA Periodic Exempt:</b>        |           |                             |                                     |
| <b>TSSA Statutory Interval:</b>     |           |                             |                                     |
| <b>TSSA Recd Insp Interva:</b>      |           |                             |                                     |

TSSA Recd Tolerance:  
TSSA Program Area:  
TSSA Program Area 2:  
Description:  
Original Source: EXP  
Record Date: 31-MAY-2021

**Site:**  
RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON

**Database:**  
DTNK

Delisted Expired Fuel Safety  
Facilities

|                                     |             |                             |                                     |
|-------------------------------------|-------------|-----------------------------|-------------------------------------|
| <b>Instance No:</b>                 | 9724864     | <b>Expired Date:</b>        |                                     |
| <b>Status:</b>                      | Abandoned   | <b>Max Hazard Rank:</b>     |                                     |
| <b>Instance ID:</b>                 |             | <b>Facility Location:</b>   | RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 |
| <b>Instance Type:</b>               |             | <b>Facility Type:</b>       | FS Piping                           |
| <b>Instance Creation Dt:</b>        |             | <b>Fuel Type 2:</b>         |                                     |
| <b>Instance Install Dt:</b>         |             | <b>Fuel Type 3:</b>         |                                     |
| <b>Item Description:</b>            |             | <b>Panam Related:</b>       |                                     |
| <b>Manufacturer:</b>                |             | <b>Panam Venue Nm:</b>      |                                     |
| <b>Model:</b>                       |             | <b>External Identifier:</b> |                                     |
| <b>Serial No:</b>                   |             | <b>Item:</b>                | FS GASOLINE STATION - FULL SERVE    |
| <b>ULC Standard:</b>                |             | <b>Piping Steel:</b>        | 2                                   |
| <b>Quantity:</b>                    |             | <b>Piping Galvanized:</b>   | 0                                   |
| <b>Unit of Measure:</b>             |             | <b>Tank Single Wall St:</b> | 0                                   |
| <b>Overfill Prot Type:</b>          |             | <b>Piping Underground:</b>  | 2                                   |
| <b>Creation Date:</b>               |             | <b>Tank Underground:</b>    | 0                                   |
| <b>Next Periodic Str DT:</b>        |             | <b>Source:</b>              | FS Expired Facilities               |
| <b>TSSA Base Sched Cycle 2:</b>     |             |                             |                                     |
| <b>TSSAMax Hazard Rank 1:</b>       |             |                             |                                     |
| <b>TSSA Risk Based Periodic Yn:</b> |             |                             |                                     |
| <b>TSSA Volume of Directives:</b>   |             |                             |                                     |
| <b>TSSA Periodic Exempt:</b>        |             |                             |                                     |
| <b>TSSA Statutory Interval:</b>     |             |                             |                                     |
| <b>TSSA Recd Insp Interva:</b>      |             |                             |                                     |
| <b>TSSA Recd Tolerance:</b>         |             |                             |                                     |
| <b>TSSA Program Area:</b>           |             |                             |                                     |
| <b>TSSA Program Area 2:</b>         |             |                             |                                     |
| <b>Description:</b>                 |             |                             |                                     |
| <b>Original Source:</b>             | EXP         |                             |                                     |
| <b>Record Date:</b>                 | 31-MAY-2021 |                             |                                     |

**Site:**  
RIDEAU VALLEY DR RIDEAU TWP ON N5V 3K5

**Database:**  
EXP

|                              |                                  |                             |  |
|------------------------------|----------------------------------|-----------------------------|--|
| <b>Instance No:</b>          | 9724864                          | <b>Model:</b>               |  |
| <b>Status:</b>               | Abandoned                        | <b>Quantity:</b>            |  |
| <b>Instance ID:</b>          |                                  | <b>Unit of Measure:</b>     |  |
| <b>Instance Type:</b>        |                                  | <b>Fuel Type2:</b>          |  |
| <b>Instance Creation Dt:</b> |                                  | <b>Fuel Type3:</b>          |  |
| <b>Instance Install Dt:</b>  |                                  | <b>Piping Steel:</b>        |  |
| <b>Item:</b>                 | FS GASOLINE STATION - FULL SERVE | <b>Piping Galvanized:</b>   |  |
| <b>Item Description:</b>     |                                  | <b>Tank Single Wall St:</b> |  |
| <b>Facility Type:</b>        |                                  | <b>Piping Underground:</b>  |  |
| <b>Overfill Prot Type:</b>   |                                  | <b>Tank Underground:</b>    |  |
| <b>Creation Date:</b>        |                                  | <b>Panam Related:</b>       |  |
| <b>Expired Date:</b>         |                                  | <b>Panam Venue Nm:</b>      |  |
| <b>Manufacturer:</b>         |                                  |                             |  |
| <b>Description:</b>          |                                  |                             |  |
| <b>Serial No:</b>            |                                  |                             |  |
| <b>Ulc Standard:</b>         |                                  |                             |  |
| <b>Facility Location:</b>    |                                  |                             |  |
| <b>Source:</b>               |                                  |                             |  |

Details

Tank Underground: 2  
Piping Underground: 0  
Tank Single Wall St: 2

Piping Galvanized: 0  
Piping Steel: 0  
Context: FS Liquid Fuel Tank

Details

Tank Underground: 0  
Piping Underground: 2  
Tank Single Wall St: 0

Piping Galvanized: 0  
Piping Steel: 2  
Context: FS Piping

Site: 595831 ONT INC  
RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON CA ON

Database:  
FST

**Instance No:** 10940446  
**Status:**  
**Cont Name:**  
**Instance Type:**  
**Item:**  
**Item Description:** FS Liquid Fuel Tank  
**Tank Type:** Single Wall UST  
**Install Date:** 4/30/1992  
**Install Year:** 1984  
**Years in Service:**  
**Model:** NULL  
**Description:**  
**Capacity:** 35000  
**Tank Material:** Steel  
**Corrosion Protect:** Impressed Current  
**Overfill Protect:**  
**Facility Type:** FS Liquid Fuel Tank  
**Parent Facility Type:**  
**Facility Location:**  
**Device Installed Location:** RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON CA

**Manufacturer:**  
**Serial No:**  
**Ulc Standard:**  
**Quantity:**  
**Unit of Measure:**  
**Fuel Type:** Gasoline  
**Fuel Type2:** NULL  
**Fuel Type3:** NULL  
**Piping Steel:**  
**Piping Galvanized:**  
**Tanks Single Wall St:**  
**Piping Underground:**  
**No Underground:**  
**Panam Related:**  
**Panam Venue:**

Liquid Fuel Tank Details

**Overfill Protection:**  
**Owner Account Name:** 595831 ONT INC  
**Item:** FS LIQUID FUEL TANK

Site: 595831 ONT INC  
RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON CA ON

Database:  
FST

**Instance No:** 10940468  
**Status:**  
**Cont Name:**  
**Instance Type:**  
**Item:**  
**Item Description:** FS Liquid Fuel Tank  
**Tank Type:** Single Wall UST  
**Install Date:** 4/30/1992  
**Install Year:** 1984  
**Years in Service:**  
**Model:** NULL  
**Description:**  
**Capacity:** 22700  
**Tank Material:** Steel  
**Corrosion Protect:** Impressed Current  
**Overfill Protect:**  
**Facility Type:** FS Liquid Fuel Tank  
**Parent Facility Type:**  
**Facility Location:**  
**Device Installed Location:** RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON CA

**Manufacturer:**  
**Serial No:**  
**Ulc Standard:**  
**Quantity:**  
**Unit of Measure:**  
**Fuel Type:** Gasoline  
**Fuel Type2:** NULL  
**Fuel Type3:** NULL  
**Piping Steel:**  
**Piping Galvanized:**  
**Tanks Single Wall St:**  
**Piping Underground:**  
**No Underground:**  
**Panam Related:**  
**Panam Venue:**

**Liquid Fuel Tank Details**

**Overfill Protection:**  
**Owner Account Name:** 595831 ONT INC  
**Item:** FS LIQUID FUEL TANK

---

**Site:** *City of Ottawa  
Rideau Valley Dr. right of way Manotick Main St. Ottawa ON*

**Database:**  
**GEN**

**Generator No:** ON6802088  
**SIC Code:** 913910  
**SIC Description:** Other Local Municipal and Regional Public Administration  
**Approval Years:** 2010  
**PO Box No:**  
**Country:**  
**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 221  
**Waste Class Name:** LIGHT FUELS

**Waste Class:** 241  
**Waste Class Name:** HALOGENATED SOLVENTS

---

**Site:** *City of Ottawa  
Rideau Valley Dr. right of way Manotick Main St. Ottawa ON*

**Database:**  
**GEN**

**Generator No:** ON6802088  
**SIC Code:** 913910  
**SIC Description:** Other Local Municipal and Regional Public Administration  
**Approval Years:** 2009  
**PO Box No:**  
**Country:**  
**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

**Detail(s)**

**Waste Class:** 221  
**Waste Class Name:** LIGHT FUELS

**Waste Class:** 241  
**Waste Class Name:** HALOGENATED SOLVENTS

---

**Site:** *RIDEAU VIEW GOLF CLUB  
RIDEAU VALLEY DR LOTS 10 & 11 MANOTICK ON*

**Database:**  
**PRT**

**Location ID:** 8404  
**Type:** private  
**Expiry Date:**  
**Capacity (L):** 2273.00  
**Licence #:** 0001012632

---

**Site:** CAMERON D GENERAL STORE  
RIDEAU VALLEY DR KARS ON

**Database:**  
PRT

**Location ID:** 6768  
**Type:** retail  
**Expiry Date:** 1996-02-28  
**Capacity (L):** 31800  
**Licence #:** 0056670001

---

**Site:** 595831 ONT INC  
RIDEAU VALLEY DR RIDEAU TWP ON

**Database:**  
PRT

**Location ID:** 12469  
**Type:** retail  
**Expiry Date:** 1995-08-31  
**Capacity (L):** 57700  
**Licence #:** 0051903001

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**Site:** Taggart Construction Limited  
Rideau Valley Drive Ottawa ON

**Database:**  
SPL

**Ref No:** 2534-7UPHZG  
**Year:**  
**Incident Dt:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 8/7/2009  
**Dt Document Closed:**  
**Site No:**  
**Facility Name:**  
**MOE Response:** Planned Field Response  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Site District Office:**  
**Nearest Watercourse:**  
**Site Name:** Construction hole<UNOFFICIAL>  
**Site Address:**  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**Northing:**  
**Easting:**  
**Incident Cause:** Unknown  
**Incident Event:**  
**Environment Impact:** Not Anticipated  
**Nature of Impact:** Soil Contamination  
**Contaminant Qty:** 40 L  
**System Facility Address:**  
**Client Name:** Taggart Construction Limited  
**Client Type:**  
**Call Report Locatn Geodata:**  
**Contaminant Code:**  
**Contaminant Name:** HYDRAULIC OIL  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Receiving Medium:**  
**Receiving Environment:**  
**Incident Reason:** Unknown - Reason not determined  
**Incident Summary:** Taggart Construction: 1L hydraulic oil to grnd, contd  
**Activity Preceding Spill:**  
**Property 2nd Watershed:**  
**Property Tertiary Watershed:**  
**Sector Type:** Other

**Municipality No:**  
**Nature of Damage:**  
**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Agency Involved:**

SAC Action Class: Land Spills  
Source Type:

**Site:** Marathon Drilling<UNOFFICIAL>  
Rideau Valley Drive at Mud Creek Ottawa ON

**Database:**  
SPL

**Ref No:** 2485-7W4NJV  
**Year:**  
**Incident Dt:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 9/21/2009  
**Dt Document Closed:**  
**Site No:**  
**Facility Name:**  
**MOE Response:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Site District Office:**  
**Nearest Watercourse:**  
**Site Name:** Bore hole underneath Mud Creek<UNOFFICIAL>  
**Site Address:**  
**Site Region:**  
**Site Municipality:**  
**Site Lot:**  
**Site Conc:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**Northing:**  
**Easting:**  
**Incident Cause:** Discharge Or Bypass To A Watercourse  
**Incident Event:**  
**Environment Impact:** Possible  
**Nature of Impact:** Surface Water Pollution  
**Contaminant Qty:** 200 L  
**System Facility Address:**  
**Client Name:** Marathon Drilling<UNOFFICIAL>  
**Client Type:**  
**Call Report Locatn Geodata:**  
**Contaminant Code:**  
**Contaminant Name:** MAX-GEL, VISCOSIFIER  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Receiving Medium:**  
**Receiving Environment:**  
**Incident Reason:** Equipment Failure  
**Incident Summary:** Marathon Drilling, 2 100L viscosifier to Mud Creek, May 09  
**Activity Preceding Spill:**  
**Property 2nd Watershed:**  
**Property Tertiary Watershed:**  
**Sector Type:** Other  
**SAC Action Class:** Watercourse Spills  
**Source Type:**

## 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 Northern Development, Mines, Natural Resources and Forestry (ONDMNRF) maintains this database of 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 Oct 2022**

### **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-Mar 2022**

### **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-Oct 31, 2023**

### **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 2022**

**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: Feb 28, 2022**

**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-Oct 31, 2023**

**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 -Aug 2023**

**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-Sep 2023**

**Certificates of Property Use:**

Provincial CPU

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

**Government Publication Date: 1994 - Oct 31, 2023**

**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 - Aug 2023**

**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: Feb 28, 2022**

**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- Oct 31, 2023**

**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 - Oct 31, 2023**

**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- Oct 31, 2023**

**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-Sep 30, 2023**

**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: Apr 30, 2022**

**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, 2022**

**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: Feb 28, 2022**

**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-Sep 2023**

**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: Oct 31, 2021**

**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: Feb 28, 2022**

**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-Oct 31, 2022**

**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 CO<sub>2</sub> eq).

**Government Publication Date: 2013-Dec 2020**

**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: Feb 28, 2022**

**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: Mar 21, 2022**

**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-Feb 2023**

**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, 2021**

**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-Oct 2022**

**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-Jun 30, 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 1993-2020:**

Federal

[NPR2](#)

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

**Government Publication Date: Sep 2020**

**National Pollutant Release Inventory - Historic:**

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. This data holds historic records; current records are found in NPR2.

**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-Aug 31, 2023**

**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-Aug 2023**

**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 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 - Oct 31, 2023**

**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- Oct 31, 2023**

**NPRI Reporters - PFAS Substances:**

Federal

PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per- and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

**Government Publication Date: Sep 2020**

**Potential PFAS Handlers from NPRI:**

Federal

PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per- and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

**Government Publication Date: Sep 2020**

**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 is an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

**Government Publication Date: Feb 28, 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 PTTW's on the registry such as OWRA s. 34 - Permit to take water.

**Government Publication Date: 1994 - Oct 31, 2023**

**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, 1992-2021**

**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-Oct 2023**

**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-Oct 31, 2023**

**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 by 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. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests. This database includes spill incidents that occurred in February, March, May, June-November 2022, and January 2023 in addition to those listed in the Government Publication Date.

**Government Publication Date: 1988-Dec 2021; see description**

**Wastewater Discharger Registration Database:**

Provincial SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of 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.

**Government Publication Date: 1990-Dec 31, 2020**

**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 - Apr 2023**

**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: Feb 28, 2022**



**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-Oct 31, 2023**

**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 30st, 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: Mar 31 2023**

# 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 F**

City Directories



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CITY  
**DIRECTORY**

**Project Property:** *Phase One Environmental Site Assessment - 6158 Rideau Valley Drive  
6158 Rideau Valley Dr  
Manotick, ON K4M 1B3*

**Project No:** *100011.082*

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

**Order No:** *23121400291*

**Date Completed:** *January 03, 2024*

**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)

January 03, 2024  
RE: CITY DIRECTORY RESEARCH  
6158 Rideau Valley Dr  
Manotick, ON K4M 1B3

Thank you for contacting ERIS regarding our City Directory Search services. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. When searching a range of addresses, all civic addresses within that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on highly developed areas, while newly developed areas may be covered in the more recent years, older directories tend to cover only "central" parts of the city. To complete the search, we have either utilized the Toronto Reference Library, Library & Archives Canada and multiple digitized directories. While these do not claim to be a complete collection of all reverse listing city directories produced, ERIS has made every effort to provide accurate and complete information. ERIS shall not be held liable for missing, incomplete, or inaccurate information. If you believe there are additional addresses or streets that require searching, please contact us.

**Search Criteria:**

6151-6239 Odd of First Line Road  
1050-1090 of Rideau Narrows Drive  
6158 of Rideau Valley Drive  
6100-6275 of Rideau Valley Drive

**Search Notes:**

Data from 2012 to 2021 excludes residential information. Manotick, ON is last listed in city directories in 1997.

## Search Results Summary

| Date | Source                     | Comment |
|------|----------------------------|---------|
| 2021 | DIGITAL BUSINESS DIRECTORY |         |
| 2017 | DIGITAL BUSINESS DIRECTORY |         |
| 2012 | DIGITAL BUSINESS DIRECTORY |         |
| 2000 | POLKS                      |         |
| 1997 | POLKS                      |         |

### 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)

6239 DAVE WRIGHT EXCAVATING...TRUCKING-DUMP

NO LISTING FOUND

6104 MOORE DESIGN CONSULTANTS...ARCHITECTURAL & CONSTR SPECIFICATIONS

6239 DAVE WRIGHT EXCAVATING...SITE PREPARATION CONTRS



NO LISTING FOUND

NO LISTING FOUND

6239 **DAVE WRIGHT EXCAVATING...***SITE PREPARATION CONTRS*

**NO LISTING FOUND**

NO LISTING FOUND

6161 RESIDENTIAL (1 TENANT)  
6211 RESIDENTIAL (1 TENANT)  
6239 WRIGHT DAVE EXCAVATING

1055 RESIDENTIAL (1 TENANT)  
1061 RESIDENTIAL (1 TENANT)  
1062 RESIDENTIAL (1 TENANT)  
1087 RESIDENTIAL (1 TENANT)

6158 RESIDENTIAL (1 TENANT)  
6100- ALL RESIDENTIAL  
6275

**1997 FIRST LINE ROAD**

SOURCE: POLKS

6161 RESIDENTIAL (1 TENANT)  
6211 RESIDENTIAL (1 TENANT)  
6239 WRIGHT DAVE EXCAVATING

**1997 RIDEAU NARROWS DRIVE**

SOURCE: POLKS

1055 RESIDENTIAL (1 TENANT)  
1062 RESIDENTIAL (1 TENANT)  
1087 RESIDENTIAL (1 TENANT)

6158 RESIDENTIAL (1 TENANT)  
6100- ALL RESIDENTIAL  
6275



## **APPENDIX G**

### TSSA Records

## RE: TSSA request - Manotick

Public Information Services <publicinformationservices@tssa.org>

Thu 12/14/2023 12:37 PM

To: Mohit Bhargav <mohit.bhargav@gemtec.ca>

Hello ,

As you did not specify any program areas, I have only searched **Fuels**. If you need **BPV** or **ED** results you will need to resubmit your request. Please specify in your future requests which programs you would like searched (Fuels, BPV, Elevating devices).

### **NO RECORD FOUND IN CURRENT DATABASE**

Thank you for your request for confirmation of public information. TSSA has performed a preliminary search of TSSA's current database.

- We confirm that there are NO records in our database of any **fuel storage tanks** at the subject address(es).

This is not a confirmation that there are no records in the archives. For a further search in our archives, please apply for release of public information (PI Form) through TSSA's new Service Prepayment Portal. The associated fee must be paid via credit card (Visa or MasterCard) through a secure site. Please follow the steps below to access the applications and the Service Prepayment Portal:

#### **Accessing the applications**

1. Click [Request a Public Record](#)
2. Select the appropriate application, download it, complete it in full and save it (you will have to upload application)
3. Proceed to page 3 of the application and click the "TSSA Service Prepayment Portal" link under payment options (the link will take you the secure site where you can pay for the request via credit card)

#### **Accessing the Service Prepayment Portal**

1. Select new or existing customer (\*if you are an existing customer, you will need your account number & postal code to access your account)
2. Under "Program Area" select **Public Information** and click continue
3. Enter application form number (found on the bottom left corner of the application form) and click continue
4. Complete the primary contact information section
5. Complete the fee section
6. Upload your completed application
7. Upload supporting documents (if required) and click continue

Once all steps have been successfully completed you will receive your payment receipt via email.



TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org).

Kind regards,



**Melanie Fowler | Public Information Releases Agent**

Legal

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1 416-734-3593 | Fax: +1 416-231-4903 | E-Mail: [mfowler@tssa.org](mailto:mfowler@tssa.org)

[www.tssa.org](http://www.tssa.org)



**Winner of 2023 5-Star Safety Cultures Award**

**From:** Mohit Bhargav <[mohit.bhargav@gemtec.ca](mailto:mohit.bhargav@gemtec.ca)>

**Sent:** Thursday, December 14, 2023 11:27 AM

**To:** Public Information Services <[publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org)>

**Subject:** TSSA request - Manotick

**[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.

Hi,

Can you please process the request for the following civic addresses:

- 6158, 6206, 6168, 6080, 6104, 6110, 6120 Rideau Valley Drive
- 6151 and 6211 First Line Road

in Ottawa (Manotick), Ontario.

Thank you.

---

**Mohit Bhargav, MScE, EIT**

Junior Environmental Scientist

Ottawa, ON

tel: 613.836.1422 / toll-free: 1.877.243.6832

mobile: 506.897.0427 / fax: 613.836.9731

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## **APPENDIX H**

### MECP Freedom of Information Record

Ministry of the Environment,  
Conservation and Parks

Corporate Services Branch  
40 St. Clair Avenue West  
Toronto ON M4V 1M2

Ministère de l'Environnement, de la  
Protection de la nature et des Parcs

Direction des services ministériels  
40, avenue St. Clair Ouest  
Toronto ON M4V 1M2



February 5, 2024

Mohit Bhargav  
GEMTEC Consulting  
32 Steacie Drive  
Kanata, Ontario K2K 2A9  
mohit.bhargav@gemtec.ca

Dear Mohit Bhargav:

**RE: MECP FOI A-2024-00094, Your Reference 100011.082 – Decision Letter**

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 6158 Rideau Valley Drive Ottawa.

After a thorough search through the ministry files, no records were located responsive to your request. The official responsible for making the access decision on your request is the undersigned.

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at <http://www.ipc.on.ca>. Please note there may be a fee associated with submitting the appeal.

If you have any questions, please contact Rose D'Souza at 416-276-6548 or [Rose.D'Souza7@ontario.ca](mailto:Rose.D'Souza7@ontario.ca).

Yours truly,

*Rose D'Souza*

for

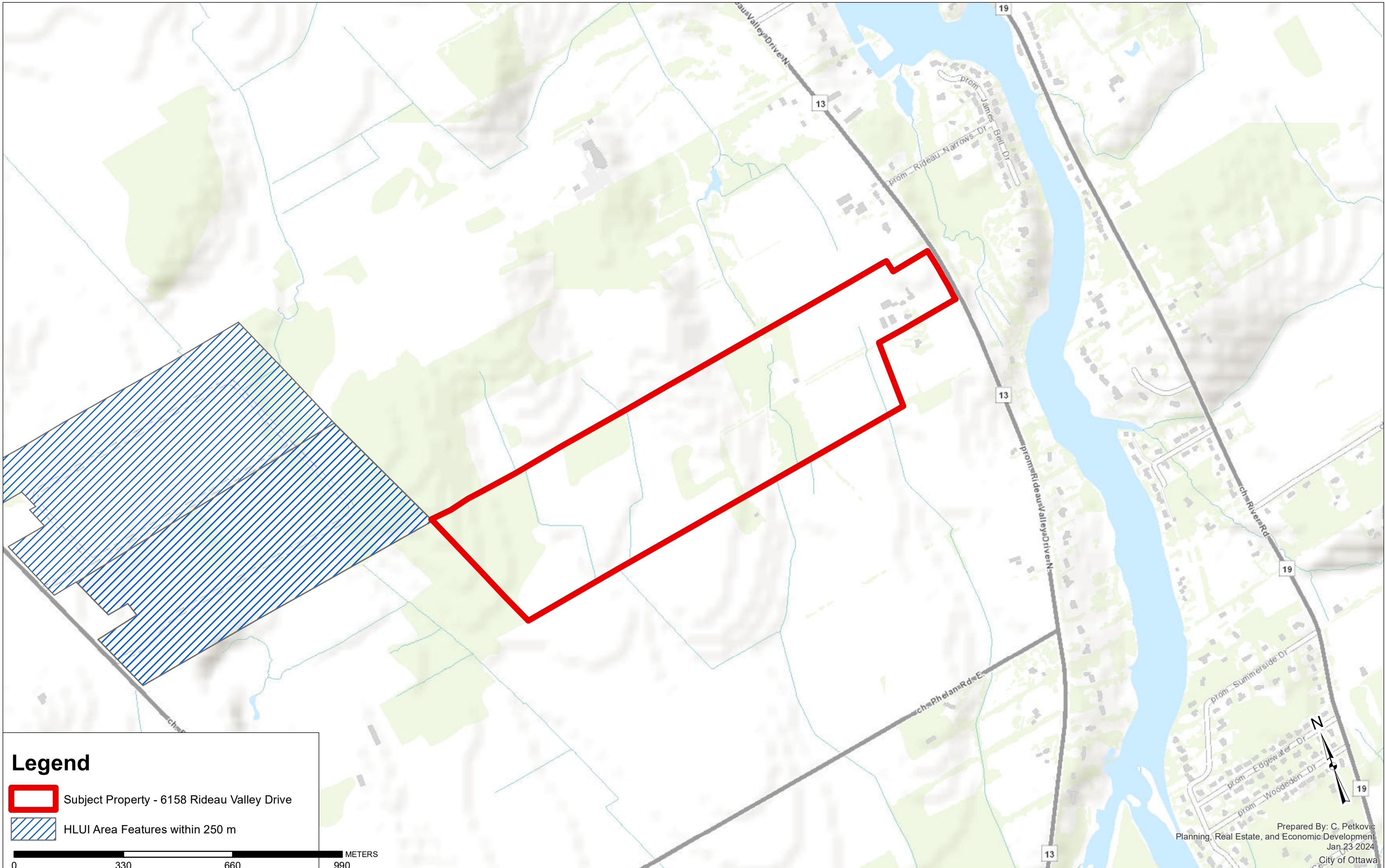
Josephine DeSouza  
Manager (A), Access and Privacy Office





## **APPENDIX I**

### Historic Land Use Inventory

# HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP



## Legend

-  Subject Property - 6158 Rideau Valley Drive
-  HLUI Area Features within 250 m

0 330 660 990 METERS

January 23, 2024

Mohit Bhargav  
32 Steacie Drive  
Ottawa, ON K2K 2A9

*Sent via email to mohit.bhargav@gemtec.ca*

Dear Mohit,

**Re: Information Request  
6158 Rideau Valley Drive, Ottawa, Ontario (“Subject Property”)**

**Internal Department Circulation:**

The Planning, Infrastructure and Economic Development Department has the following information in response to your request for information regarding the Subject Property:

- **Environmental Remediation Unit:** The City’s Environmental Remediation Unit has no environmental records on file pertaining to the subject property.
- **Ottawa Public Health - Environmental Health:** all public inspection results are publicly available on the Ottawa Public Health website:  
<https://www.ottawapublichealth.ca/en/public-health-services/public-health-inspections.aspx>
- **Sewer Use Program:** The City’s Sewer Use Program has found no information pertaining to the subject property.
- **Solid Waste Services:** The subject property is not within 5 kilometers of any Solid Waste Services facilities.

**Documents Provided:**

**HLUI Summary Report and HLUI Map**

The HLUI Summary Report Excel spreadsheet identifies HLUI area, point and line features within 250 metres of the Subject Property, as shown on the provided HLUI Map PDF. Within 500 metres of the Subject Property, landfills and Environmental Risk Management Area (ERMA) are also identified if applicable.

For more information on how to interpret the HLUI data identified in the attached excel sheet (‘ADDRESS – HLUI Summary report.xlsx’), please refer to the [Overview and User Guide.](#)”

**Additional information may be obtained by contacting:**

**Ontario's Environmental Registry**

The Environmental Registry found at <https://ero.ontario.ca/> contains "public notices" about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed new laws, regulations, policies and programs or about proposals to change or eliminate existing ones. By using key words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

**The Ontario Land Registry Office**

Registration of real property is recorded in the Ontario Land Registry Office through the Land Titles Act or the Registry Act. Documents relating to title and other agreements that may affect your property are available to the public for a fee. It is recommended that a property search at the Land Registry Office be included in any investigation as to the historic use of your property. The City of Ottawa cannot comment on any documents to which it is not a party.

Court House  
161 Elgin Street 4th Floor  
Ottawa ON K2P 2K1  
Tel: (613) 239-1230  
Fax: (613) 239-1422

**Ottawa Public Health**

Ottawa Public Health inspects many different types of establishments. To view inspection results, please visit the Ottawa Public Health website: [Public Health Inspections - Ottawa Public Health](#)

Please note that Ottawa Public Health is not the lead agency on land use contamination in the City of Ottawa – contact the Ministry of Environment Conservation and Parks (MECP) for further information.

**Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the HLUI database is provided on an “as is” basis with no representation or warranty by the City with respect to the information’s accuracy or exhaustiveness in responding to the request.**



**Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database.**

**Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property. You may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.**

If you have any further questions or comments, please contact [HLUI@ottawa.ca](mailto:HLUI@ottawa.ca).

Sincerely,

**Charlotte Petkovic**  
STUDENT PLANNER

Per:

Michael Boughton, MCIP, RPP  
Senior Planner  
Development Review East  
Planning Services  
Planning, Infrastructure and Economic Development Department

**MB / CP**

Enclosures: (2)

1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-24-0003



## **APPENDIX J**

### Aerial Photographs



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# HISTORICAL AERIALS

**Project Property:** Phase One Environmental Site

Assessment - 6158 Rideau Valley Drive

6158 Rideau Valley Dr

Manotick ON K4M 1B3

**Project No:** 100011.082

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

**Order No:** 23121400291

**Date Completed:** January 12, 2024

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. ERIS provides no warranty of accuracy or liability. The information contained in this report has been produced using aerial photos listed in above sources by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS'. The maps contained in this report do not purport to be and do not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present 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**

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| <b>Date</b> | <b>Source</b>              | <b>Scale</b> | <b>Comments</b> |
|-------------|----------------------------|--------------|-----------------|
| 2023        | Maxar Technologies         | 10,000       |                 |
| 1985        | National Air Photo Library | 10,000       |                 |
| 1964        | National Air Photo Library | 10,000       |                 |
| 1959        | National Air Photo Library | 10,000       |                 |
| 1946        | National Air Photo Library | 10,000       |                 |

250  
Meters



Year: 2023  
Source: MAXAR  
Scale: 10,000  
Comment:

Address: 6158 Rideau Valley Dr, Manotick, ON  
Approx Center: -75.65188038,45.19119686

Order No: 23121400291



250  
Meters



Year: 1985  
Source: NAPL  
Scale: 10,000  
Comment:

Address: 6158 Rideau Valley Dr, Manotick, ON  
Approx Center: -75.65188038,45.19119686

Order No: 23121400291



250  
Meters



Year: 1964  
Source: NAPL  
Scale: 10,000  
Comment:

Address: 6158 Rideau Valley Dr, Manotick, ON  
Approx Center: -75.65188038,45.19119686

Order No: 23121400291



250  
Meters



Year: 1959  
Source: NAPL  
Scale: 10,000  
Comment:

Address: 6158 Rideau Valley Dr, Manotick, ON  
Approx Center: -75.65188038,45.19119686

Order No: 23121400291





250  
Meters



Year: 1946  
Source: NAPL  
Scale: 10,000  
Comment:

Address: 6158 Rideau Valley Dr, Manotick, ON  
Approx Center: -75.65188038,45.19119686

Order No: 23121400291





## **APPENDIX J**

### MECP Well Records

**Instructions for Completing Form**

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10<sup>th</sup> of a metre.**
- Please print clearly in blue or black ink only.

| Well Owner's Information and Location of Well Information                         |  |   |           |  |                | Ministry Use Only                 |  |   |  |  |  |
|---|--|---|-----------|--|----------------|-----------------------------------|--|---|--|--|--|
| MUN   |  | CON   |           | LOT  |                |                                   |  |   |  |  |  |
| First Name<br><b>Miller's Berry Farm</b>  |  | Last Name                                     |           | Mailing Address (Street Number/Name, RR, Lot, Concession)<br><b>6158 Rideau Valley Drive North</b> |                |                                   |  |   |  |  |  |
| County/District/Municipality<br><b>Ottawa Carleton</b>                            |  | Township/City/Town/Village<br><b>Manotick</b> |           | Province<br><b>Ontario</b>   |                | Postal Code<br><b>K4M 1B3</b>     |  | Telephone Number (include area code)<br><b>613 692 2380</b>   |  |  |  |
| Address of Well Location (County/District/Municipality)<br><b>Ottawa Carleton</b> |  |   |           | Township<br><b>Rideau</b>  |                | Lot<br><b>3</b>                   |  | Concession<br><b>A</b>  |  |  |  |
| RR#/Street Number/Name<br><b>6158 Rideau Valley Dr.</b>                           |  |   |           | City/Town/Village  |                | Site/Compartment/Block/Tract etc. |  |   |  |  |  |
| GPS Reading   |  | NAD   | Zone      | Easting  | Northing       | Unit Make/Model<br><b>Garmin</b>  |  | Mode of Operation: <input type="checkbox"/> Undifferentiated <input checked="" type="checkbox"/> Averaged<br><input type="checkbox"/> Differentiated, specify |  |  |  |
|   |  | <b>83</b>                                     | <b>18</b> | <b>449435</b>  | <b>5004753</b> |                                   |  |   |  |  |  |

**Log of Overburden and Bedrock Materials (see instructions)**

| General Colour | Most common material | Other Materials | General Description | Depth Metres |              |
|----------------|----------------------|-----------------|---------------------|--------------|--------------|
|                |                      |                 |                     | From         | To           |
| <b>brown</b>   | <b>sandy soil</b>    | <b>boulders</b> |                     | <b>0</b>     | <b>3.65</b>  |
| <b>brown</b>   | <b>hardpan</b>       |                 |                     | <b>3.65</b>  | <b>6.70</b>  |
| <b>gray</b>    | <b>sandy clay</b>    | <b>boulders</b> |                     | <b>6.70</b>  | <b>27.7</b>  |
| <b>gray</b>    | <b>limestone</b>     |                 |                     | <b>27.73</b> | <b>75.56</b> |

| Hole Diameter  |              |                      | Construction Record   |  |                            |              | Test of Well Yield  |                     |                    |                    |                   |                    |
|--|--------------|----------------------|---|--|----------------------------|--------------|---|---------------------|--------------------|--------------------|-------------------|--------------------|
| Depth From   | Metres To    | Diameter Centimetres | Inside diam centimetres   | Material   | Wall thickness centimetres | Depth From   | Metres To   | Pumping test method | Draw Down Time min | Water Level Metres | Recovery Time min | Water Level Metres |
| <b>0</b>   | <b>28.64</b> | <b>22.75</b>         | <b>15.86</b>  | <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass<br><input type="checkbox"/> Plastic <input type="checkbox"/> Concrete<br><input type="checkbox"/> Galvanized | <b>0.48</b>                | <b>+ .45</b> | <b>28.64</b>  | <b>submersible</b>  |                    |                    |                   |                    |
| <b>28.64</b>   | <b>75.58</b> | <b>15.07</b>         |   |  |                            |              |   |                     |                    |                    |                   |                    |
| <b>Water Record</b><br>Water found at <b>20.71</b> Metres / Kind of Water<br><input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur<br><input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals<br><input type="checkbox"/> Other: |              |                      | <b>Casing</b><br><input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass<br><input type="checkbox"/> Plastic <input type="checkbox"/> Concrete<br><input type="checkbox"/> Galvanized              |  |                            |              | Pump intake set at - (metres) <b>45.93</b><br>Pumping rate - (litres/min) <b>45.5</b><br>Duration of pumping <b>1</b> hrs + ___ min<br>Final water level end of pumping <b>15.97</b> metres<br>Recommended pump type: <input type="checkbox"/> Shallow <input checked="" type="checkbox"/> Deep<br>Recommended pump depth <b>30.47</b> metres<br>Recommended pump rate: <b>45.5</b> (litres/min)<br>If flowing give rate - (litres/min) |                     |                    |                    |                   |                    |
| <input type="checkbox"/> m <input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur<br><input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals<br><input type="checkbox"/> Other:   |              |                      | <b>Screen</b><br>Outside diam <input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass<br><input type="checkbox"/> Plastic <input type="checkbox"/> Concrete<br><input type="checkbox"/> Galvanized |  |                            |              | If pumping discontinued, give reason.   |                     |                    |                    |                   |                    |
| After test of well yield, water was<br><input checked="" type="checkbox"/> Clear and sediment free<br><input type="checkbox"/> Other, specify  |              |                      | <b>No Casing or Screen</b><br><input checked="" type="checkbox"/> Open hole   |  |                            |              | 10 <b>14.14</b> 10 <b>9.19</b><br>15 <b>14.79</b> 15 <b>9.16</b><br>20 <b>15.16</b> 20 <b>9.14</b><br>25 <b>15.37</b> 25 <b>9.14</b><br>30 <b>15.54</b> 30 <b>9.13</b><br>40 <b>15.72</b> 40 <b>9.13</b><br>50 <b>15.86</b> 50 <b>9.12</b><br>60 <b>15.97</b> 60 <b>9.12</b>  |                     |                    |                    |                   |                    |
| Chlorinated <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |              |                      |   |  |                            |              |   |                     |                    |                    |                   |                    |

| Plugging and Sealing Record  |          |   | <input checked="" type="checkbox"/> Annular space | <input type="checkbox"/> Abandonment |
|--|----------|---|---|--------------------------------------|
| Depth set at - Metres From   | To       | Material and type (bentonite slurry, neat cement slurry) etc. | Volume Placed (cubic metres)                      |                                      |
| <b>28.64</b>   | <b>0</b> | <b>Grouted Bentonite Slurry</b>                               | <b>.92m3</b>                                      |                                      |
| <b>Method of Construction</b><br><input type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary (air) <input checked="" type="checkbox"/> Rotary (conventional) <input type="checkbox"/> Rotary (reverse)<br><input type="checkbox"/> Diamond <input type="checkbox"/> Jetting <input type="checkbox"/> Digging <input type="checkbox"/> Other<br><input type="checkbox"/> Air percussion <input type="checkbox"/> Driving  |          |   |   |                                      |
| <b>Water Use</b><br><input type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Public Supply <input type="checkbox"/> Other<br><input type="checkbox"/> Stock <input type="checkbox"/> Commercial <input type="checkbox"/> Not used<br><input type="checkbox"/> Irrigation <input type="checkbox"/> Municipal <input type="checkbox"/> Cooling & air conditioning  |          |   |   |                                      |
| <b>Final Status of Well</b><br><input checked="" type="checkbox"/> Water Supply <input type="checkbox"/> Recharge well <input type="checkbox"/> Unfinished <input type="checkbox"/> Abandoned, (Other)<br><input type="checkbox"/> Observation well <input type="checkbox"/> Abandoned, insufficient supply <input type="checkbox"/> Dewatering<br><input type="checkbox"/> Test Hole <input type="checkbox"/> Abandoned, poor quality <input type="checkbox"/> Replacement well |          |   |   |                                      |

| Well Contractor/Technician Information   |  |
|--|--|
| Name of Well Contractor<br><b>Capital Water Supply Ltd.</b>                                      | Well Contractor's Licence No.<br><b>1558</b>   |
| Business Address (street name, number, city etc.)<br><b>Box 490 Stittsville, Ontario K2S 1A6</b> |  |
| Name of Well Technician (last name, first name)<br><b>Miller, Stephen</b>                        | Well Technician's Licence No.<br><b>T0097</b>  |
| Signature of Technician/Contractor<br><i>[Signature]</i>   | Date Submitted YYYY MM DD<br><b>2005 11 02</b> |

| Location of Well  |  |
|---|--|
| In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.                     |  |
|   |  |
| Audit No.<br><b>Z 39206</b>   | Date Well Completed<br>YYYY MM DD<br><b>2005 11 02</b> |
| Was the well owner's information package delivered? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Date Delivered<br>YYYY MM DD<br><b>2005 11 02</b>      |

| Ministry Use Only                                 |                                  |
|---|----------------------------------|
| Data Source                                       | Contractor<br><b>1558</b>        |
| Date Received<br>YYYY MM DD<br><b>JAN 13 2006</b> | Date of Inspection<br>YYYY MM DD |
| Remarks   | Well Record Number               |

Measurements recorded in:  Metric  Imperial

Address of Well Location (Street Number/Name) 6160 Bedeque Valley Drive Township \_\_\_\_\_ Lot \_\_\_\_\_ Concession \_\_\_\_\_

County/District/Municipality Ottawa Carlton City/Town/Village Manotick Province Ontario Postal Code \_\_\_\_\_

UTM Coordinates Zone 18 Easting 8318449463 Northing 50104665 Municipal Plan and Sublot Number \_\_\_\_\_ Other \_\_\_\_\_

**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 |
|----------------|----------------------|-----------------|--|-------------------|----|
|                |                      |                 | Raise well casing above ground as per code |                   |    |
|                |                      |                 | Pump test not performed                    |                   |    |

**Annular Space**

| Depth Set at (m/ft) From | To | Type of Sealant Used (Material and Type) | Volume Placed (m³/ft³) |
|--------------------------|----|--|------------------------|
|                          |    | N/A                                      |                        |

**Results of Well Yield Testing**

| After test of well yield, water was:<br><input type="checkbox"/> Clear and sand free<br><input type="checkbox"/> Other, specify _____ | Draw Down    |                    | Recovery   |                    |
|---|--------------|--------------------|------------|--------------------|
|   | Time (min)   | Water Level (m/ft) | Time (min) | Water Level (m/ft) |
| If pumping discontinued, give reason:<br>_____  | Static Level |                    |            |                    |
|   | 1            |                    | 1          |                    |
| Pump intake set at (m/ft)   | 2            |                    | 2          |                    |
| Pumping rate (l/min / GPM)  | 3            |                    | 3          |                    |
| Duration of pumping _____ hrs + _____ min   | 4            |                    | 4          |                    |
| Final water level end of pumping (m/ft)   | 5            |                    | 5          |                    |
| If flowing give rate (l/min / GPM)  | 10           |                    | 10         |                    |
| Recommended pump depth (m/ft)   | 15           |                    | 15         |                    |
| Recommended pump rate (l/min / GPM)   | 20           |                    | 20         |                    |
| Well production (l/min / GPM)   | 25           |                    | 25         |                    |
| Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No   | 30           |                    | 30         |                    |
|   | 40           |                    | 40         |                    |
|   | 50           |                    | 50         |                    |
|   | 60           |                    | 60         |                    |

**Method of Construction**

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

**Well Use**

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

**Construction Record - Casing**

| Inside Diameter (cm/in) | Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel) | Wall Thickness (cm/in) | Depth (m/ft) |    | Status of Well   |
|-------------------------|--|------------------------|--------------|----|--|
|                         |  |                        | From         | To |  |
|                         | N/A  |                        |              |    | <input checked="" type="checkbox"/> Water Supply<br><input type="checkbox"/> Replacement Well<br><input type="checkbox"/> Test Hole<br><input type="checkbox"/> Recharge Well<br><input type="checkbox"/> Dewatering Well<br><input type="checkbox"/> Observation and/or Monitoring Hole<br><input type="checkbox"/> Alteration (Construction)<br><input type="checkbox"/> Abandoned, Insufficient Supply<br><input type="checkbox"/> Abandoned, Poor Water Quality<br><input type="checkbox"/> Abandoned, other, specify _____<br><input type="checkbox"/> Other, specify _____ |

**Construction Record - Screen**

| Outside Diameter (cm/in) | Material (Plastic, Galvanized, Steel) | Slot No. | Depth (m/ft) |    | Status of Well                                |
|--------------------------|---------------------------------------|----------|--------------|----|---|
|                          |                                       |          | From         | To |   |
|                          | N/A                                   |          |              |    | <input type="checkbox"/> Other, specify _____ |

**Water Details**

| Water found at Depth (m/ft) | Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested | Depth (m/ft) From | To | Diameter (cm/in) |
|-----------------------------|--|-------------------|----|------------------|
|                             | <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____                 |                   |    |                  |
|                             | <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____                 |                   |    |                  |
|                             | <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____                 |                   |    |                  |

**Well Contractor and Well Technician Information**

Business Name of Well Contractor C+N Electric Ltd. Well Contractor's Licence No. 6364

Business Address (Street Number/Name) 5640 Manotick main st Municipality Ottawa

Province ONT Postal Code K4M1B3 Business E-mail Address \_\_\_\_\_

**Map of Well Location**

Please provide a map below following instructions on the back.

Comments: \_\_\_\_\_

|   |   |  |
|---|---|--|
| Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No | Date Package Delivered <u>Y Y Y Y M M D D</u> | <b>Ministry Use Only</b><br>Audit No. <u>Z 153113</u><br>Date Submitted <u>OCT 05 2012</u> |
| Date Work Completed <u>2012 09 21</u>   |   |  |

Bus. Telephone No. (inc. area code) 613 692 3284 Name of Well Technician (Last Name, First Name) Ron Sadler

Well Technician's Licence No. 1637 Signature of Technician and/or Contractor [Signature] Date Submitted 2012 10 01



## **APPENDIX L**

### Site Photographs



Photograph L1 – Looking west. View of the Site from Rideau Valley Drive. All the structures at the Site can be seen on the photo in the background and landscaping operations can be seen in the front.



Photograph L2 – Looking north along the Rideau Valley Drive. The Site is to the left of the Rideau Valley Drive. Roadside drainage ditches are located on both sides of the Rideau Valley Drive.



Photograph L3 – Looking west along the gravel graded roadway/driveway leading into the Site. Structure 2 (Office Building) can be seen behind the trees.



Photograph L4 – Looking west. Chicken coops and the area behind Structure 4 (Material Storage), Structure 5 (Material Storage), Structure 9 (Salt Storage) and Structure 3 (Material Storage in the background).



Photograph L5 – Looking south and the inside view of Structure 1 (Two Storey Barn).



Photograph L6– Looking east along the gravel graded driveway/roadway leading into the Site. Structure 2 (Office Building) and Structure 1 (Two Storey Barn on the left) can be seen.



Photograph L7 – Looking west. Structure 7 (Building Workshop) with the bay doors can be seen to the right.



Photograph L8 – Looking north along the area where the imported soil was placed. Tractor wash area can be seen on the right and McIntyre Scobie Drain can be seen on the left.



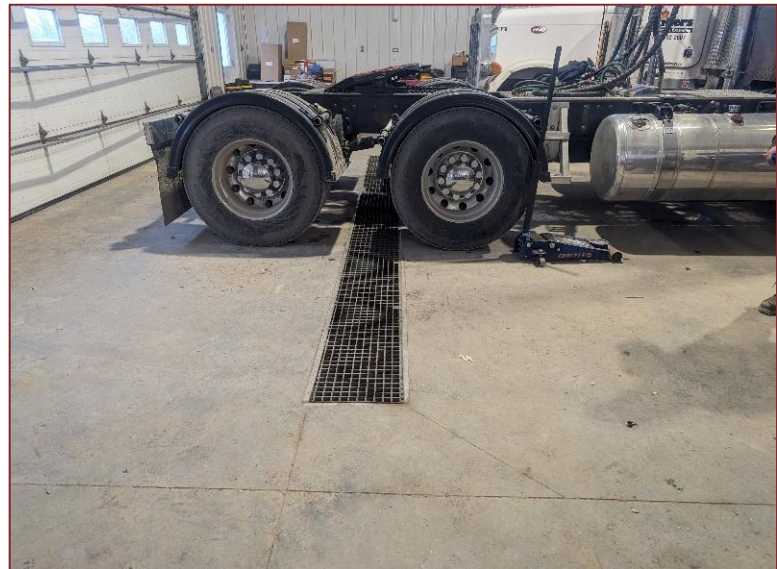
Photograph L9 – Looking north and a view of the tractor wash area. No signs of spills, staining or odors were noted at this location.



Photograph L10 – Looking north and a view of the gravel graded parking area and ASTs. ASTs are located along the west building line of Structure 3 (Material Storage). The Structure 9 (Salt Storage) can be seen in the background on the right.



Photograph L11 – Looking east inside the Structure 7 (Building Workshop). An oil tote was present inside the Structure 7. No signs of spills, staining or odors were noted at this location.



Photograph L12 – Looking west inside the Structure 7 (Building Workshop). A photo of the drain discharging into an oil water separator. Concrete flooring was in a good shape with minimal cracking.





Photograph L13 – Looking west inside the Structure 7 (Building Workshop). A photo of the hydraulic lift.



Photograph L14 – Looking west inside the Structure 7 (Building Workshop). A photo of the drain.



Photograph L15 – Looking north inside the Structure 3 (Material Storage). Concrete flooring was in a good shape with minimal cracking. No signs of spills, staining or odors were noted at this location.



Photograph L16 – Looking north inside the Structure 3 (Material Storage). Concrete flooring was in a good shape with minimal cracking. No signs of spills, staining or odors were noted at this location.



Photograph L17 – Looking north at the ASTs along the west building line of Structure 3 (Material Storage). The ASTs were in good working condition and there were no signs of spills, staining or odors were noted at this location.



Photograph L18 – Looking north at one of the ASTs along the west building line of Structure 3 (Material Storage). The ASTs were in good working condition and there were no signs of spills, staining or odors were noted at this location.



Photograph L19 – Looking north towards Structure 9 (Salt Storage).



Photograph L20 – Looking north inside Structure 4 (Material Storage).



Photograph L21 – Looking north inside Structure 6 (Sales Shop). Concrete flooring was in a good shape with minimal cracking.



Photograph L22 – Looking north inside Structure 8 (greenhouse).

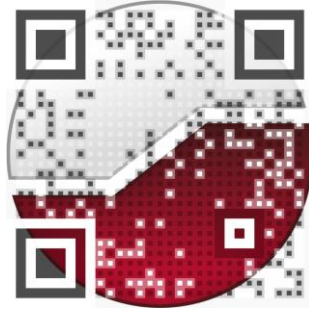


Photograph L23 – Looking south towards Structure 2 (Office Building). A septic tank can be seen in front of the Office Building.



Photograph L24 – Looking northwest. From left to right is Structure 3 (Material Storage), Structure 9 (Salt Storage), Structure 5 (Material Storage), and Structure 4 (Material Storage).

experience • knowledge • integrity



civil  
geotechnical  
environmental  
field services  
materials testing

civil  
géotechnique  
environnementale  
surveillance de chantier  
service de laboratoire des matériaux

expérience • connaissance • intégrité

