



**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT  
3493, 3497, AND 3499 INNES ROAD, OTTAWA, ONTARIO**

Prepared for:

**Gestion FRAMI**  
**6587712 Canada Inc.**  
1085 Boulevard de la Carrière  
Gatineau, QC J8Y 6V4

Prepared by:

**BluMetric Environmental Inc.**  
1682 Woodward Drive  
Ottawa, ON K2C 3R8

Project Number: 230028-00  
January 19, 2023

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## 1. EXECUTIVE SUMMARY

In October 2022, BluMetric Environmental Inc. (BluMetric®) was retained by Gestion FRAMI, 6587712 Canada Inc. to prepare a Phase One ESA for the property located at 3494, 3497, and 3499 Innes Road, Ottawa, Ontario (subsequently referred to as the “Phase One Property”). Previous Phase I and II ESAs were completed on the Phase One Property by BluMetric in 2020. Updated reports were requested in support of a Site Plan Application. As per the requirements of the City of Ottawa Site Plan Approval process, this Phase One ESA was completed in general accordance with Ontario Regulation (O. Reg.) 153/04. It is understood that the Phase One ESA will not be supporting any record of site condition (RSC filing) and, therefore, reporting is not subject to meeting all requirements outlined in Ontario Regulation 153/04, as amended (O. Reg. 153/04).

The Phase One Property is located in the Orléans West-Innes ward of the City of Ottawa in an area of mixed residential, commercial, and industrial land uses. The Phase One Property is located on the north side of Innes Road, approximately 600 m east of Orleans Boulevard, and consists of three parcels with a total area of approximately 0.61 hectares (ha). The western parcel, 3493 Innes Road, is roughly L-shaped with an area of approximately 0.25 ha and consists of a single-storey garage outbuilding. The central parcel, 3497 Innes Road, is rectangular in shape with an area of 0.18 ha and has a single-storey sales office structure (trailer) on its central area. The eastern parcel, 3499 Innes Road, is also rectangular in shape with an area of 0.18 ha and remains vacant land. The remainder of the Phase One Property consists of grassy areas with mature trees and a gravel-covered driveway, accessed from Innes Road. The Phase One Property is bounded by Innes Road at its southern boundary, residential properties to the north and east, and a commercial plaza to the west. A portion of the western part of the Phase One Property (3493 Innes Road) extends behind the adjacent property at 3469 Innes Road. The property at 3469 Innes Road consists of a commercial plaza and an Ultramar fuel service station.

The Phase One Property is generally flat with an approximate elevation of 91 m above sea level (ASL). There is a slightly elevated area in the centre of the Phase One Property which generally slopes downward to the north (back of property) and to the east. Rideau Valley Conservation Authority (RVCA) GeoPortal mapping indicates the Phase One Property is situated on the boundary between the West Bilberry Creek and Mud Creek (GCK) catchment areas of the Ottawa River East Subwatershed. On a regional scale, topography slopes north to the Ottawa River, and bedrock groundwater flow is believed to be oriented to the northwest towards the Ottawa River, which is approximately 5 km northwest of the Phase One Property.



Based on a records review, site reconnaissance and interview with individuals knowledgeable with the Phase One Property, no potentially contaminating activities (PCAs) were identified at the Phase One Property. Multiple PCAs were identified for the Phase One Study Area. The potential for each PCA to create an area of potential environmental concern (APEC) for the Phase One Property was assessed as follows:

| Item | Potentially Contaminating Activity   | Location of Potentially Contaminating Activity   | Potential Environmental Concern to the Phase One Property – Y/N (Rationale)  |
|------|--|--|--|
| 28.  | Gasoline and Associated Products Storage in Fixed Tanks  | <p><u>3469 Innes Road</u><br/>Gasoline service station with at least two L underground fuel tanks, tanks installed in 1987 and 2015, and records of three other underground fuel oil tanks (Located &lt;40 m west-southwest of the Phase One Property).</p> <p><u>3605 Innes Road</u><br/>Delisted 10,000 L fuel oil tank, installed on 28 June 2006. Delisted 4,546 L fuel oil tank said to be 12 years old. Record date was April 2013. Standby emergency diesel generator set (Located 247 m east-northeast of the Phase One Property).</p> | <p>Y (PCA is located in near proximity to the western boundary to the Phase One Property).</p> <p>N (PCA is located a significant distance and crossgradient to the Phase One Property).</p>   |
| GEN  | Waste Generator  | <p><u>3605 Innes Road</u><br/>Waste generator of inorganics and alkaline wastes – heavy metals between 1997 and 2004; light fuels, oil skimmings and sludges and waste oils and lubricants in 2005; and alkaline wastes – heavy metals and acid wastes – heavy metals in 2021 and 2022 (Located 247 m east-northeast of the Phase One Property).</p>   | <p>N (PCA is located a significant distance and crossgradient to the Phase One Property).</p>  |
| SPL  | Spill  | <p><u>3469 Innes Road</u><br/>50 L spill of engine oil to the sewer dated September 23, 2010. Unknown quantity of hydraulic oil spilled into the lot on May 16, 2002. The spill was contained (Located &lt;40 m west-southwest of the Phase One Property).</p> <p><u>3443 Innes Road</u><br/>Spill of oil or gas from property to the road and catchbasin on April 8, 2019 (Located 70 m west-southwest of the Phase One Property).</p>  | <p>N (Fairly small spill amount and inferred to have occurred on opposite side of fuel service station at 3469 Innes Road and therefore considered to be crossgradient to the Phase One Property).</p> <p>N (Inferred to be a small spill amount given residential use. Also, PCA is located crossgradient to the Phase One Property).</p> |
| 58.  | Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners | <p><u>Innes Road</u><br/>Westbay Investments Inc., unnamed landfill site (Located 800 m east-northeast of the Phase One Property).</p>   | <p>N (PCA is located a significant distance and crossgradient to the Phase One Property).</p>  |



| Item | Potentially Contaminating Activity  | Location of Potentially Contaminating Activity   | Potential Environmental Concern to the Phase One Property – Y/N (Rationale)                               |
|------|---|--|---|
| 12.  | Concrete, Cement and Lime Manufacturing   | <u>3544 Innes Road</u><br>Concrete forming company (Normco Forming Limited) in operation between 2001 and 2005 (Located 85 m southeast of the Phase One Property).         | N (PCA is located crossgradient to the Phase One Property).   |
| 58.  | Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products | <u>3636 Innes Road</u><br>Builders' Warehouse lumber and building materials storage facility, in operation since 1985 (Located 250 m southeast of the Phase One Property). | N (PCA is located a significant distance and crossgradient to the Phase One Property).                    |
| 55.  | Transformer Manufacturing, Processing and Use   | Pole and pad mount transformers were observed throughout the Phase One Study Area.   | N (Subsurface impacts derived from mineral insulating oils are localized and have low mobility in soils). |

Source: Table 2, Schedule D, O. Reg. 153/04

The presence of the Ultramar fuel service station to the immediate west (3469 Innes Road) of the Phase One Property is considered to create an Area of Potential Environmental Concern (APEC) for the westernmost portion of the Phase One Property. Spill records associated with 3469 Innes Road (<40 m west of the Phase One Property) and 3443 Innes Road (70 m west of the Phase One Property) were considered to be low risk for environmental impact but would be also captured by an investigation of the APEC pertaining to the fuel service station at 3469 Innes Road.

The contaminants of potential concern and the potentially affected media for the aforementioned APEC is summarized as follows:

| APEC | Location of APEC                       | PCA(s)  | Contaminants of Potential Concern | Potentially Affected Media |
|------|--|---|-----------------------------------|----------------------------|
| A    | Western Boundary of Phase One Property | #28 – Gasoline and Associated Products Storage in Fixed Tanks | BTEX and PHCs                     | Groundwater                |

*Notes:*

*BTEX – Benzene, Toluene, Ethylbenzene, and Xylene PHCs – Petroleum Hydrocarbons*

In June 2020, BluMetric completed a Phase II ESA at the Phase One Property to investigate the soil and groundwater quality at two locations (MW1 and MW2) on the western portion of the Phase One Property. The soil and groundwater chemical results at both sample locations were found to be below laboratory method detection limits and did not exceed the applicable O. Reg. 153/04 Table 7 Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Conditions for Residential/Parkland/Institutional Property Use and coarse textured soils.





Since the fuel service station has remained in operation since 2020, it continues to create an APEC on the westernmost part of the Phase One Property. Given that the above Phase II ESA did not find any soil impacts and since groundwater was not observed within the overburden material, it is the opinion of the Qualified Person (QP) that there would be no pathways for any new soil impacts on the Phase One Property and that the fuel service station does not pose a concern for soils at the Phase Two Property. Therefore, the QP recommends that a Phase Two ESA be conducted to solely investigate the identified APEC for potential changes in groundwater quality.



## 2. INTRODUCTION

### 2.1 PHASE ONE PROPERTY INFORMATION

#### **Municipal Address(es), Property Identification Number (PIN) and Property Description**

The Phase One Property consists of three parcels of land with the municipal addresses of 3493, 3497, and 3499 Innes Road. The boundaries of the Phase One Property are provided on Figure 1 and shown in the survey plans in Section 10.1.

The general location of the Phase One Property is provided as Figure 2. The Phase One Property is located on the north side of Innes Road, approximately 600 m east of Orleans Boulevard. The Phase One Property is located in the Orléans West-Innes ward of the City of Ottawa in an area of mixed residential and commercial land uses. The westernmost parcel, 3493 Innes Road, is roughly L-shaped with an area of approximately 0.25 hectares (ha) and consists of a single-storey garage structure. The central parcel, 3497 Innes Road, is rectangular in shape with an area of 0.18 ha and has a single-storey structure (trailer) in its central area. The easternmost parcel, 3499 Innes Road, is also rectangular in shape with an area of 0.18 ha and remains vacant land. The remainder of the Phase One Property consists of grassy areas with mature trees and a gravel-covered driveway accessed from Innes Road.

The Phase One Property is bounded by Innes Road at its southern boundary. Residential properties are to the north and east of the Phase One Property and a commercial plaza (3469 Innes Road) is to the west of the Phase One Property. A portion of the western part of the Phase One Property (3493 Innes Road) extends behind the adjacent property at 3469 Innes Road which consists of a commercial plaza and fuel service station.

The legal description of the Phase One Property is:

**Legal Description:** Part of Lot 5 Concession 2, RP 5R-8564 Parts 1, 2, &3 and RP 5R-3024 Part 3, City of Ottawa.

**Property Identification Numbers (PINs):** 04406-0223, 04406-0224, and 04406-0225

The NAD83 UTM coordinates for the centre of the Phase One Property are:

- Zone: 18
- Easting: 458873 m
- Northing: 5032821 m



### **Name, Address, and Other Contact Information for the Property Owner:**

The Phase One Property is currently owned by the Gestion FRAMI.

### **Name, Status, and Other Contact Information for Any Other Person who Engaged the Qualified Person to conduct the Phase One ESA:**

The principal client contact is as follows:

Mr. Michel Lapensée, President  
Gestion FRAMI, 6587712 Canada Inc.  
1085 Boulevard de la Carrière  
Gatineau, QC J8Y 6V4  
819-664-4306 | [mfgolf@hotmail.com](mailto:mfgolf@hotmail.com)

## **2.2 TERMS OF REFERENCE**

In October 2022, BluMetric was retained by Gestion FRAMI, 6587712 Canada Inc. to prepare a Phase One ESA for the property located at 3493, 3497, and 3499 Innes Road, Ottawa, Ontario (subsequently referred to as the “Phase One Property”). Previous Phase I and II ESAs were completed on the Phase One Property by BluMetric in 2020. Updated reports were requested by the City of Ottawa to support Site Plan approval applications. As per the requirements of the City of Ottawa Site Plan Approval process, this Phase One ESA was completed in general accordance with Ontario Regulation (O. Reg.) 153/04. However, it is understood that the Phase One ESA will not be supporting any record of site condition (RSC filing) and, therefore, reporting is not subject to meeting all requirements outlined in Ontario Regulation 153/04, as amended (O. Reg. 153/04). Therefore, the requirement for a legal survey is excluded.

In general terms, the purpose of a Phase One ESA is to determine if a property is subject to actual or potential contamination. The tasks of a Phase One ESA typically include:

- Reviewing environmental source information about the Phase One Property;
- Inspecting the Phase One Property for evidence of current or past potentially contaminating activities (PCAs) that could contribute to areas of potential environmental concern (APECs);
- Noting PCAs in the Phase One Study Area that could contribute to APECs at the Phase One Property;
- Interviewing site personnel or other knowledgeable parties about past and present operations and activities;



- Reviewing environmental documentation and site operating records that the property owner, operator, or client can provide;
- Making inquiries to provincial and municipal agencies about environmental records on file;
- Identifying APECs on the Phase One Property; and,
- Using the assembled information to prepare a report.

Since Phase One ESAs do not include the testing of samples or the measuring of environmental parameters, the conclusions presented in a Phase One ESA report often are limited to identifying PCAs that may contribute to APECs at the Phase One Property.

### 2.3 GENERAL DESCRIPTION OF THE PHASE ONE PROPERTY

The Phase One Property is irregular in shape and has a total area of approximately 1.51 acres (approximately 0.61 hectares). Approximately 0.62 acres (0.25 ha) corresponds with 3493 Innes Road, 0.44 acres (0.18 ha) corresponds with 3497 Innes Road, and the remaining 0.44 acres (0.18 ha) corresponds with 3499 Innes Road. The Phase One Property has a frontage of approximately 91 m along the north side of Innes Road and a depth of approximately 61 m. A portion of the western part of the Phase One Property (3493 Innes Road) extends 41 m (approximate) behind the adjacent property located at 3469 Innes Road.

A trailer previously used as a real-estate sales office was noted on the central part of the Phase One Property (3497 Innes Road) and a garage outbuilding was noted on the western part of the Phase One Property (3493 Innes Road). Both structures are planned for demolition/removal, prior to the proposed commercial redevelopment. Aerial photographs discussed further in Section 3.1 indicate that a two-storey stone house was present in the current location of the trailer prior to 2011 and has been removed from the site. The remainder of the property area is primarily grass-covered, with a gravel driveway and parking area accessed from Innes Road. Several mature trees were noted across the property.

The Phase One Property is generally surrounded to the north and east by residential land uses. The property to the immediate west (3469 Innes Road) of the Phase One Property is a commercial plaza and an Ultramar fuel service station, while further west beyond Pagé Road is a mix of commercial and residential development. The area to the south of the Phase One Property, south of Innes Road is mostly lands reserved for future development along with some commercial and residential properties along Pagé Road. As per the City of Ottawa zoning maps, the Phase One Property is currently zoned as Residential First Density Zone (R1). Zoning surrounding the Phase One Property is described as:

- Residential (R1) to the north and east;



- Local Commercial Zone (LC) and R1 to the west; and
- Light Industrial Zone (IL) Development Reserve Zone (DR) to the south.

The Phase One Property and all surrounding properties are serviced by municipal water and sewer services. The Phase One Property and Phase One Study Area are illustrated in Figure 3.



### 3. SCOPE OF INVESTIGATION

This Phase One ESA is being performed for due diligence purposes and to support municipal Site Plan approval applications. The Phase One ESA report will not be used in support of the filing of a Record of Site Condition (RSC) but has been prepared in general accordance with the requirements described in O. Reg. 153/04.

The following tasks were undertaken from October to January 2023 to prepare this report:

- A review of records. Records previously requested and reviewed by BluMetric in the previous Phase I ESA (BluMetric, 2020) were utilized to inform this report. Additional requests for information were filed with the City of Ottawa Historical Land Use Inventory (HLUI 2019) database and ERIS. The assembled information is presented in Section 4.
- A review of existing environmental reports (Section 4.1.5).
- An assessment of the physical site conditions (see Section 4.4).
- Interviews were conducted with persons with knowledge of the Phase One Property. The details of the interviews are provided in Section 5.
- A reconnaissance of the Phase One Property and the Phase One Study Area. This information is presented in Section 6.
- Based on the accumulated information, identification of any PCA on the Phase One Property and within the Phase One Study Area that may represent an APEC for the Phase One Property: and,
- Presentation of the study findings in a Phase One ESA report.



## 4. RECORDS REVIEW

### 4.1 GENERAL

#### 4.1.1 Phase One Study Area

The qualified person (QP) determined that the conventional distance of 250 m from the Phase One Property boundary was adequate for defining the Phase One Study Area for all records reviewed, with the exception that a distance of 2 km was appropriate for reviewing records that pertain to active or former waste disposal sites, coal gasification plants, and coal tar sites, given that such sources can cause impacts that extend for distances of more than 250 m. The Phase One Property and Phase One Study Area are illustrated in Figure 3.

The search radius for historical records requested from ERIS (discussed in sections 4.2.1, 4.2.2 and 4.2.7) was set to 250 m from the boundary of the Phase One Property. In these database searches, each property surrounding the collective Phase One Property was identified as a point representing the municipal address of a given property. In the historical records searches, the inclusion or exclusion of properties located partially within the Phase One Study Area depended on whether this point was located within the study area buffer created by ERIS.

The geographic location of the Phase One Study Area was assessed in consideration of its location within topographical mapping provided by the Rideau Valley Conservation Authority (RVCA) and Ontario Base Mapping (OBM). An inferred groundwater flow direction to the northwest was determined.

#### 4.1.2 First Developed Use Determination

Based on the available historical aerial photographs for the Phase One Property and Phase One Study Area (see Section 4.4.1), the Phase One Property was originally used for agricultural purposes prior to the 1950s. In the early 1950s, the Phase One Property was developed with a residential dwelling, built on the centre of the property (3497 Innes Road). Aerial photographs also showed several other smaller structures/sheds on the north and west parts of the property. In the 1990s, a large outbuilding (i.e. garage) was constructed on the west side of the property (3493 Innes Road). The original dwelling was demolished between 2008 and 2011, and a rectangular structure (trailer) was constructed on the property in its former location. The trailer remains on the Phase One Property. The garage building also remains partially intact on the Phase One Property. The rest of the Phase One Property has remained undeveloped land.



The reviewed information indicates that up to at least 1950, the Phase One Property was either undeveloped or cleared and used for agricultural purposes (grazing or crops). The Phase One Property appears to have been first developed around 1954 for 'residential use'.

#### 4.1.3 Fire Insurance Maps

A request for Fire Insurance Maps (FIMs) was not completed as part of this Phase One ESA. Production of FIMs ceased in 1974. Historical aerial photography (discussed in Section 4.4.1) indicates the Phase One Study Area was largely undeveloped with only few rural residential properties as of the 1976 aerial photograph.

#### 4.1.4 Chain of Title

A chain of title for the Phase One Property was not requested as part of this Phase One ESA. According to ownership information presented in previous reports (discussed in Section 4.1.6), the Phase One Property is currently owned by Gestion FRAMI (6587712 Canada Inc.) who acquired the property from Rockcliffe Asset Management Inc. in 2019.

#### 4.1.5 City Directories

A city directory search was completed by ERIS on May 28, 2020, as part of a previous Phase I ESA completed by BluMetric (2020). The search included the Phase One Property (3493, 3497, and 3499 Innes Road) and adjacent properties along Innes Road (3390 - 3530) and Pagé Road (2240 - 2410). The Phase One Property was not listed in any of the City Directories from 1992 through 2011.

The following list was recorded for the properties located along Innes Road, from 3390 (approximately 200 m west of the Phase One Property) to 3530 (approximately 100 m east of the Phase One Property):

- 1992: 3469 Innes Road - Heavenly Pastries
- 1992: 3484 Innes Road - Diamond Dust Lightning Garden Centre
- 1992: Murphy J Landscape & Design Ltd
- 1992: Summer Rain Irrigation
- 1992: 3490 Innes Road - Orleans Berryland
- 1992, 1996/1997, 2001/2002: 3442 Innes Road - Innes Kitchen and Bath
- 1992, 1996/1997, 2001/2002: Innes Veterinary Clinic
- 1992, 1996/1997, 2001/2002, 2006/2007: 3499 Innes Road - Gerald Gauthier Construction
- 1996/1997, 2001/2002, 2006/2007, 2011: Kouri Shaheen





- 1996/1997, 2001/2002: Brewmasters Club Maitres-Brasseurs
- 1996/1997: 3490 Innes Road - Bad Dawg Batting Cages
- 1996/1997, 2001/2002, 2006/2007, 2011: Sweetheart Rose Ltd
- 2001/2002, 2006/2007: Gabriel's Pizza
- 2006/2007, 2011: 3469 Innes Road - Ultramar Ltd
- 2006/2007, 2011: Pronto Food Marts
- 2006/2007, 2011: Innes Road Animal Hospital
- 2006/2007, 2011: Lynn Novak Flowers
- 2006/2007, 2011: Brian Johnson Agent
- 2006/2007, 2011: Co-Operators
- 2006/2007, 2011: Orleans Dry Cleaners
- 2006/2007, 2011: Can DO Cash
- 2006/2007, 2011: 3484 Innes Road - State Farm Insurance
- 2006/2007, 2011: 3490 Innes Road - Golfland
- 2006/2007, 2011: Sean's Snack Shack
- 2006/2007: 3519 Innes Road - Chattan Insulation Inc.

The following list was recorded for the properties located along Pagé Road, from 2240 (approximately 150 m northwest of the Phase One Property) to 2410 (approximately 500 m southwest of the Phase One Property):

- 2011: 2310 Pagé Road - Susan Bablitz Dentistry
- 1996/1997, 2001/2002, 2006/2007, 2011: 2360 Pagé Road - Action Towing
- 2001/2002, 2006/2007: Orleans Blvd Towing & Recycling
- 2011: Action Orleans Towing
- 1996/1997, 2006/2007, 2011: 2381 Pagé Road - Andre Charon Painting and Decorating Inc.
- 2011: 2384 Pagé Road - Guy TV Repairs
- 1996/1997, 2001/2002, 2006/2007, 2011: 2405 Pagé Road - J & M Auto Service

Based on the above City Directories search results, the Ultramar Ltd. fuel service station located at 3469 Innes Road, <40 m west of the Phase One Property, was identified as a PCA with the potential to cause environmental impacts to the Phase One Property and is discussed further in Section 7.2.2.



Although drycleaning activities would be considered a PCA, Orleans Dry Cleaners, identified in the above directories at 3469 Innes Road since 2006, is not considered to be a PCA for the Phase One Property since it is understood to be a drop-off (depot) location and no drycleaning activities are performed on-site at this location. No other PCAs were identified from our review of the above city directories.

#### 4.1.6 Environmental Reports

The following previous environmental reports concerning the Phase One Property were provided to BluMetric for review:

- *Paterson Group Inc., 2010. Phase I – Environmental Site Assessment, 3493, 3497 & 3499 Innes Road, Ottawa, Ontario. Dated February 8, 2010.*
- *Paterson Group Inc., 2019. Phase I – Environmental Site Assessment Update, 3493 and 3497 Innes Road, Ottawa, Ontario. Dated March 27, 2019.*

The following salient information was gleaned from the reports:

- In February 2010, Paterson Group conducted a Phase I ESA of the properties located at 3493, 3497, and 3499 Innes Road, Ottawa for Rockcliffe Asset Management Inc.
- Two structures were present on the property at the time: a two-storey stone residential dwelling and a garage building. It was noted the residential dwelling was historically heated by oil, and an AST was once located in the basement of the home, which had reportedly been removed approximately 20 years prior to the original assessment in 2010. The assessor indicated that the basement floors appeared to be in good condition, with no visible cracks or staining, at the time of the investigation.
- A geotechnical investigation was previously completed by Paterson Group in 2010 for the site. Five (5) test pits were advanced on the subject property as part of the geotechnical investigation. Shallow bedrock was identified on the site ranging from 0.7 m to 1.5 m below surface grade (bgs). No signs of environmental contamination were identified during the geotechnical investigation.
- The property to the immediate west of the Phase One Property was occupied as a fuel service station. It was noted that the pump islands and underground storage tanks associated with the Ultramar fuel service station were located <40 m southwest of the Phase One Property. The groundwater table was not encountered in the test pit (TP1) located closest to the neighbouring petroleum fuels service station.
- A Phase II ESA was recommended to assess the potential environmental impacts associated with the presence of the fuel service station immediately west of the Phase One Property.



- In March 2019, Paterson Group completed a Phase I ESA Update of the properties located at 3493 and 3497 for Gestion FRAMI. The report was prepared to supplement the 2010 Phase I ESA conducted by Paterson Group for the Property and was intended to meet O. Reg. 153/04 requirements for a Phase One ESA.
- No PCAs were identified on the Phase One Property; however, the Ultramar fuel service station on the adjacent property to the west was identified as a PCA and was considered an Area of Potential Environmental Concern (APEC) for the Phase One Property. Contaminants of potential environmental concern were considered to include Petroleum Hydrocarbons (PHCs), and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX). Conclusions from the updated assessment indicated that a Phase II ESA was required for the Phase One Property.

The following environmental reports concerning the Phase One Property were previously prepared by BluMetric for Gestion FRAMI:

- *BluMetric Environmental Inc., 2020. Phase I Environmental Site Assessment, 3493, 3497, & 3499 Innes Road, Ottawa, Ontario. Dated June 26, 2020.*
- *BluMetric Environmental Inc., 2020. Phase II Environmental Site Assessment, 3493, 3497 & 3499 Innes Road, Ottawa, Ontario. Dated July 7, 2020.*

The following salient information was gleaned from the reports:

- In June 2020, BluMetric was retained by Gestion FRAMI to prepare a Phase I Environmental Site Assessment of the subject property. This Phase I ESA was conducted to CSA guideline Z768-01 (R2016).
- The Phase One Property was agricultural land prior to development with residences in the 1960s. Structures on the Phase One Property at the time included a garage planned for demolition and a trailer planned for removal from the site.
- Based on the information collected during the Phase I ESA, the presence of the Ultramar fuel service station to the immediate west (3469 Innes Road) of the Phase I Property was identified as a PCA and APEC on the Phase One Property. No other APECs were identified.
- A Phase II ESA was subsequently recommended to investigate the APEC identified in association with the fuel service station.
- In July 2020, a Phase II ESA was conducted on the subject property, in accordance with CSA Z769-00 standards for due diligence purposes.



- Two boreholes (MW1 and MW2) were advanced on the Phase One Property along the western boundary of the property. MW2 was installed at the closest proximity to the fuel pumps and underground storage tanks (USTs) located on the adjacent property to the west. The boreholes were advanced through the overburden into the bedrock to a total depth of 7.6 m bgs. One soil sample was selected from each of the borehole location for laboratory analyses, including PHC F1-F4 fractions and BTEX.
- Both boreholes were subsequently completed and installed as monitoring wells. Static groundwater levels were recorded at each of the well locations and ground water samples were collected and submitted for analyses of PHC F1-F4 fractions and BTEX.
- Subsurface materials encountered within the boreholes included silt overlying clay (MW1) and fine sand overlying silt (MW2). Bedrock was encountered at 1.14 m bgs at MW1 and 0.86 m bgs at MW2. No visual or olfactory indications of environmental impact for soil were noted.
- Static ground water elevations were higher at MW1 (95.82 m ASL) compared to MW2 (95.42 m ASL). Since MW2 is located further west on the subject property, the measured static ground water elevations indicated that the majority of the Phase One Property may be upgradient or crossgradient to the ground water flow leaving the adjacent property at 3469 Innes Road.
- Based on site condition standards of the Phase One Property, soil and groundwater analytical results were compared to Table 7 Generic Site Condition Standards for shallow coarse soils in a non-potable ground water condition, and for residential / parkland/ institutional property use. No exceedances of the applicable O. Reg. 153/04 Table 7 SCS were identified for any of the soil or ground water samples analyzed.

Based on the above review of previous environmental work completed for the Phase One Property, no existing PCAs were identified on the Phase One Property. The former heating oil AST would be considered a PCA for the Phase One Property; however, since the AST was removed prior to work completed by Paterson Group (2010), and no environmental impacts associated with the tank were identified, it is the opinion of the Qualified Person (QP) that the risk of any residual environmental impacts associated with the presence of the former AST on the Phase One Property is considered low.

One PCA was identified within the Phase One Study Area from the above review of historical reports, summarized in the table below:

| Potentially Contaminating Activity                          | Description of Potentially Contaminating Activity  |
|---|--|
| 28. Gasoline and Associated Products Storage in Fixed Tanks | Ultramar Fuel Service Station located <40 m west of the Phase One Property at 3469 Innes Road. |

Source: Table 2, Schedule D, *Ontario Regulation 153/04*



## 4.2 ENVIRONMENTAL SOURCE INFORMATION

A search of federal government, provincial government, and private source databases was undertaken by Environmental Risk Information Services Inc. (ERIS) for the Phase One Property and Phase One Study Area in October 2022. Database records were identified within a 250 m radius of the Phase One Property boundary (i.e., within the Phase One Study Area). It should be noted that each address or record in the ERIS database is assigned a geographic point and the distance value is the distance between plotted points not the distance from or between property boundaries. A list and description of the databases searched is provided within the ERIS report in Appendix 10.3.

All of the identified records were assessed to determine if they posed a potential risk to the environmental condition of the Phase One Property based on:

- The type of record and the potential it could be related to/cause environmental contamination.
- The age of the record.
- The distance of the record from the Phase One Property boundary; and,
- The position of the record in relation to the Phase One Property (i.e., up-gradient or down-gradient). Based on topography and groundwater data discussed in BluMetric (2020), groundwater flow is believed to flow in a northwest direction across the Phase One Property.

Records which were determined to be of environmental interest for the Phase One Property and Phase One Study Area are summarized in the following sections. Records identified within the BORE and WWIS databases describe the location and characteristics of boreholes and water wells located within the Phase One Property or Phase One Study Area. Records identified within the EHS database are records of previous ERIS searches. These database records are not indicative of PCAs and were not included within the following sections.

### 4.2.1 Federal Government Database Records

No federal government database records were found for the Phase One Property or for the Phase One Study Area.

### 4.2.2 Ontario Government Database Records

Four provincial government database records were found for the Phase One Property, including the following four water well information system (WWIS) records:



- Two of the records were domestic water supply wells; well record #1501219 for a well installed in 1962 and well record #1501218 for a well installed in 1960. Well record #1501219 indicates clay and stones were underlain by limestone bedrock, present from 0.91 m bgs to a depth of 15.15 m bgs, the final completion depth. Well record #1501218 indicates the well was completed at 11.28 m bgs and indicates 0.3 m of sand was found overlying grey limestone bedrock. The water supply wells are no longer in use as the Phase I Property and Phase I Study Area is now municipally serviced. No water supply wells were observed on the Phase One Property at the time of the site visit.
- Two additional well records were found for the Phase One Property, for monitoring and test holes; well record # 7365221 and well record #7365220. Both wells were installed on June 19, 2020 at 3493 Innes Road by BluMetric (discussed in Section 4.1.6).

The following provincial government databases returned records for the Phase One Study Area:

- Borehole (**BORE**)
- Certificates of Approval (**CA**)
- Commercial Fuel oil Tanks (**CFOT**)
- Delisted Fuel Tanks (**DTNK**)
- Environmental Activity and Sector Registry (**EASR**)
- Environmental Compliance Approval (**ECA**)
- Fuel Storage Tank (**FST**)
- Fuel Storage Tank – Historic (**FSTH**)
- Ontario Regulation 347 Waste Generators Summary (**GEN**)
- Pipeline Incidents (**PINC**)
- Private and Retail Fuel Storage Tanks (**PRT**)
- Record of Site Condition (**RSC**)
- Ontario Spills (**SPL**)
- Water Well Information System (**WWIS**)

Descriptions of the provincial government databases are provided in Appendix 10.3.

The following records of interest were identified for the Phase One Study Area within the provincial government databases:



| Address         | Distance from centre of Phase One Property (direction) | Company                              | Activity Type   | Database | Number of Records | Potentially Contaminating Activity                           |
|-----------------|--|--------------------------------------|---|----------|-------------------|--|
| 3605 Innes Road | 247 m (ENE)  | Bell Canada                          | Commercial fuel oil tank – 10,000 L fibreglass double wall UST, installed on 28 June 2006.  | CFOT     | 1                 | Gasoline and Associated Products Storage in Fixed Tanks (28) |
|                 |  |                                      | Delisted fuel storage tank – double walled 10,000 L fuel oil tank, installed on 28 June 2006.   | DTNK     | 2                 |  |
|                 |  |                                      | Delisted 4,546 L fibreglass fuel oil tank said to be 12 years old. Record date was April 2013.  |          |                   |  |
|                 |  |                                      | Certificate of approval dated 12 January 2004, related to air emissions from a standby emergency diesel generator set providing power to the telecommunications building.   | ECA      | 1                 |  |
|                 |  |                                      | Waste generator registered for inorganics and alkaline wastes – heavy metals between 1997 and 2004; light fuels, oil skimmings and sludges and waste oils and lubricants in 2005; and alkaline wastes – heavy metals and acid wastes – heavy metals in 2021 and 2022. | GEN      | 2                 | Waste generator (GEN)  |
| 3469 Innes Road | 25 m (WSW)   | 2339401 Ontario Inc.                 | Three delisted fuel storage tanks at an active gasoline service station.  | DTNK     | 4                 | Gasoline and Associated Products Storage in Fixed Tanks (28) |
|                 |  |                                      | Three (22,730 L and 45,480 L) single walled fibreglass underground gasoline tanks, installed in 1987.   | FST      | 5                 |  |
|                 |  |                                      | Two 65,000 L double walled fibreglass underground tanks, installed in 2015.   |          |                   |  |
|                 |  | 977998 Ontario Ltd. Pronto Food Mart | Three active (22,730 L and 45,480 L) underground gasoline storage tanks, installed in 1987, associated with a gasoline station. Record was dated 2007 and 2008.   | FSTH     | 2                 |  |
|                 |  |                                      | Retail fuel storage tanks with a capacity of 113,500 L, expired on November 30, 1994.   | PRT      | 2                 |  |
|                 |  | None                                 | 50 L spill of engine oil to the sewer dated September 23, 2010.   | SPL      | 1                 | Spill (SPL)  |
|                 |  | Canadian Waste Services              | Unknown quantity of hydraulic oil spilled into the lot on May 16, 2002. The spill was contained.  | SPL      | 1                 | Spill (SPL)  |



| Address         | Distance from centre of Phase One Property (direction) | Company | Activity Type  | Database | Number of Records | Potentially Contaminating Activity |
|-----------------|--|---------|--|----------|-------------------|------------------------------------|
| 3443 Innes Road | 70 m (WSW)   | None    | Spill of oil or gas from property to the road and catchbasin on April 8, 2019. | SPL      | 1                 | Spill (SPL)                        |

Based on geographic location in relation to the Phase One Property and/or associated nature of the activity/operation, some of the records above may pose an environmental concern for the Phase One Property and are discussed in Section 7.2.

#### 4.2.3 Ontario Ministry of the Environment, Conservation and Parks

A request for information about the Phase One Property was filed through MECP Freedom of Information (FOI) on May 28 and June 23, 2020. Responses received on February 22, 2021 revealed that no records were located responsive to the requests.

Correspondence with the MECP FOI is provided in Appendix 10.3.

#### 4.2.4 Areas of Natural and Scientific Interest

Areas of Natural and Scientific Interest (ANSI) includes water bodies, wetlands, wooded areas, conservation areas, municipal parks, provincial parks, natural parks and nature reserves. An ANSI map was provided by Environmental Risk Information Services Inc. (ERIS).

No ANSI was identified within the Phase One Property or within the Phase One Study Area. The nearest ANSI is the Blackburn Hamlet DND Forest located 1.29 km west-southwest of the Phase One Property. A copy of the map is provided in Appendix 10.3.

#### 4.2.5 Technical Standards and Safety Authority

A request for information about the Phase One Property was filed with the Technical Standards & Safety Authority (TSSA) on May 26 and June 23, 2020, for information of any outstanding instructions, incident reports, fuel oil spills, or contamination records respecting the Phase One Property. Responses received on July 8 and 31, 2020 noted that a search of TSSA public records did not locate any documents related to the fuels safety program. It was the opinion of the Qualified Person (QP) that an updated information request to TSSA would not identify any new information for the Phase One Property.

The TSSA's June 24, 2020 response is provided in Appendix 10.3.





It should be noted that the Fuels Safety Division did not register private fuel underground or aboveground storage tanks prior to January 1990 or furnace oil tanks prior to May 1, 2002. Also note that the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences etc. or aboveground gas or diesel tanks.

#### 4.2.6 Municipal Records

The Historical Land Use Inventory (HLUI) database for the Phase One Property and Phase One Study area was provided by the City of Ottawa on December 23, 2022. It is understood that information provided within the HLUI database was updated as of 2019.

No records were identified at the Phase One Property within the HLUI information response.

There were 6 properties with activity numbers within a 250 m radius of the Phase One Property identified within the HLUI search, summarized below. The full HLUI search is included in Section 10.3. A short list of activities/properties of potential interest for the Phase One Property is produced below. The list was compiled based on the described nature of the Activity.

| Activity ID       | Company Name (Years of Operation) and Address   | Facility Type / Comments   | PCA Identified? (Y/N) |
|-------------------|---|--|-----------------------|
| 1355, 1356, 12171 | Ultramar (2006 to 2017) and 977998 Ontario Ltd. Pronto Food Mart at 3469 Innes Road.              | Gasoline service station – self serve, with two active underground gasoline storage tanks installed in 1987 (located in commercial plaza adjacent to the west of the Phase One Property; service station is <40 m the west-southwest of the Phase One Property). | Y                     |
| 12170             | Orleans Dry Cleaners (2006 to 2017) and Carrefour Dry Cleaners (2006 to 2012) at 3469 Innes Road. | Dry cleaning facility located in commercial plaza adjacent to the west side of the Phase One Property.   | N                     |
| 1609, 1675, 1786  | Enbridge Gas Distribution Inc.  | Gas Pipeline, located south of the Phase One Property running parallel to Innes Road.  | N                     |
| 6474              | Westbay Investments Inc. at Innes Road (Block 280 on Plan 4M-419).                                | Unnamed landfill site located approximately 800 m east-northeast of the Phase One Property.  | Y                     |
| 12173             | Brewmasters Club Maitres-Brasseurs (2001) at 3469 Innes Road                                      | Soft drink industry located in commercial plaza adjacent to the west side of the Phase One Property.   | N                     |
| 12178             | Bell Canada (2000-2005) at 3605 Innes Road  | Telecommunication carriers industry located 217 m east-northeast of the Phase One Property.  | N                     |
| 12147             | Plumbing Depot (2001-2006) at 3544 Innes Road   | Plumbing, heating, air conditioning, mechanical work located 85 m southeast of the Phase One Property.   | N                     |
| 12148             | Lynx Energy SVC Limited (2005) at 3544 Innes Road   | Mechanical specialty work located 85 m southeast of the Phase One Property.  | N                     |



| Activity ID | Company Name (Years of Operation) and Address         | Facility Type / Comments   | PCA Identified? (Y/N) |
|-------------|---|--|-----------------------|
| 9845        | Normco Forming Limited (2001-2005) at 3544 Innes Road | Structural and related work (concrete forming company) located 85 m southeast of the Phase One Property. | Y                     |
| 13938       | Builders' Warehouse (1985 to 2016) at 3636 Innes Road | Lumber and building materials, wholesale.  | Y                     |

Based on geographic location in relation to the Phase One Property and/or associated nature of the activity/operation, some of the records above may pose an environmental concern for the Phase One Property and are discussed in Section 7.2.

The Orleans Dry Cleaners, identified at 3469 Innes Road since 2006, is not considered to be a PCA for the Phase One Property since it is understood to be a drop-off (depot) location and no drycleaning activities are performed on-site at this location.

#### 4.2.7 Private Records

Two ERIS historical searches (EHS) records were found for the Phase One Property. No other private database records were found for the Phase One Property. The following private databases returned records for the Phase One Study Area:

##### ERIS Historical Searches (EHS)

Descriptions of the private record databases are provided in Appendix 10.3.

No records of interest were identified for the Phase One Study Area within the provincial government databases.

#### 4.2.8 Waste Disposal Sites

The following sources were accessed to determine if any waste disposal sites were historically or are currently present within a 2 km radius of the Phase One Property:

- Waste Disposal Site Inventory (MOE, 1991): this document contains a listing of active and closed waste disposal Sites in Ontario as of October 31, 1990. This inventory uses the Universal Transverse Mercator (UTM) grid system to locate the waste disposal sites. The UTM coordinates at the centre of the Phase One Property are approximately 458873 m E and 5032821 m N, Zone 18 T;
- MECP's online "Small Landfill Sites" database (MECP, undated);
- MECP's online "Large Landfill Sites" database (MECP, 2020);



- The document titled “Old Landfill Management Strategy, Phase 1 - Identification of Sites, City of Ottawa, Ontario” (Golder Associates, 2004); and,
- The City of Ottawa mapping website GeoOttawa.

The Phase One Property and adjoining properties are not listed as current or former waste disposal facilities. No active or closed waste disposal sites were identified within 2 km of the Phase One Property.

The MECP’s online “Small Landfill Sites” database (MECP, undated) and “Large Landfill Sites” database (MECP, 2020) were accessed on 28 October 2022 and did not identify any Small Landfill Sites within 2 km of the Phase One Property. The Navan Waste Recycling and Disposal Facility located at 3354 Navan Road, was identified approximately 2.7 km south of the Phase One Property.

The document entitled, Old Landfill Management Strategy, Phase 1 - Identification of Sites, City of Ottawa, Ontario (Golder Associates, 2004), contains a listing of old waste disposal sites in Ottawa, Ontario, as compiled in 2004. one landfill was identified within 2 km of the Phase One Property:

| Landfill No.     | Distance from Phase I Property (direction) |
|------------------|--|
| Unnamed Landfill | 0.80 km (ENE)                              |

The above unnamed historical landfill site was identified for the property formerly located at 1900 Ken Steele Court, approximately 800 m east-northeast of the Phase One Property. Available aerial photography showed that the property was redeveloped for residential use prior to 1991. Given its distance from the Phase One Property, and its redevelopment for residential purposes, the historical landfill site is not considered to pose environmental risk to the Phase One Property.

The ERIS report on the Phase One Property returned no records for active waste disposal sites within 250 m of the Phase One Property.

#### 4.2.9 Coal Gasification Plants, Coal Tar Sites and Former Industrial Sites

Inventories of industrial sites where coal tar was produced or used (Intera, 1988) and the inventories of coal gasification plants (Intera, 1987) listed no sites located within 2 km of the Phase One Property. Likewise, inventories of former industrial sites in Ottawa (Intera, 1988b) also identified no sites within 2 km of the Phase One Property.



#### 4.2.10 Polychlorinated Biphenyls Sites

A search of the Ontario Inventory of Polychlorinated Biphenyls (PCB) Storage Sites (January 1992) revealed no sites within 2 km of the Phase One Property.

#### 4.3 SUMMARY OF FINDINGS FROM ENVIRONMENTAL SOURCE INFORMATION REVIEW

No PCAs were identified for the Phase One Property based on the records review.

PCAs identified within the Phase One Study Area based on the records review include:

| Item | Potentially Contaminating Activity   | Area Associated with Potentially Contaminating Activity  | Information Source                               |
|------|--|--|--|
| 28.  | Gasoline and Associated Products Storage in Fixed Tanks  | <p><u>3469 Innes Road</u><br/>Gasoline service station with at least two L underground fuel tanks, tanks installed in 1987 and 2015, and records of three other underground fuel oil tanks (Located &lt;40 m west-southwest of the Phase One Property).</p> <p><u>3605 Innes Road</u><br/>Delisted 10,000 L fuel oil tank, installed on 28 June 2006. Delisted 4,546 L fuel oil tank said to be 12 years old. Record date was April 2013. Standby emergency diesel generator set (Located 247 m east-northeast of the Phase One Property.)</p> | <p>Section 4.2.2, 4.2.6</p> <p>Section 4.2.2</p> |
| GEN  | Waste Generator  | <p><u>3605 Innes Road</u><br/>Waste generator of inorganics and alkaline wastes – heavy metals between 1997 and 2004; light fuels, oil skimmings and sludges and waste oils and lubricants in 2005; and alkaline wastes – heavy metals and acid wastes – heavy metals in 2021 and 2022 (Located 247 m east-northeast of the Phase One Property).</p>   | Section 4.2.2                                    |
| SPL  | Spill  | <p><u>3469 Innes Road</u><br/>50 L spill of engine oil to the sewer dated September 23, 2010. Unknown quantity of hydraulic oil spilled into the lot on May 16, 2002. The spill was contained (Located &lt;40 m west-southwest of the Phase One Property).</p> <p><u>3443 Innes Road</u><br/>Spill of oil or gas from property to the road and catchbasin on April 8, 2019 (Located 70 m west-southwest of the Phase One Property).</p>  | <p>Section 4.2.2</p> <p>Section 4.2.2</p>        |
| 58.  | Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners | <p><u>Innes Road</u><br/>Westbay Investments Inc., unnamed landfill site (Located 800 m east-northeast of the Phase One Property).</p>   | Section 4.2.6, 4.2.8                             |



| Item | Potentially Contaminating Activity  | Area Associated with Potentially Contaminating Activity  | Information Source |
|------|---|--|--------------------|
| 12.  | Concrete, Cement and Lime Manufacturing   | <u>3544 Innes Road</u><br>Concrete forming company (Normco Forming Limited) in operation between 2001 and 2005 (Located 85 m southeast of the Phase One Property).         | Section 4.2.6      |
| 58.  | Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products | <u>3636 Innes Road</u><br>Builders' Warehouse lumber and building materials storage facility, in operation since 1985 (Located 250 m southeast of the Phase One Property). | Section 4.2.6      |

Source: Table 2, Schedule D, O. Reg. 153/04

#### 4.4 PHYSICAL SETTING SOURCES

##### 4.4.1 Aerial Photos

Aerial photographs with coverage of the Phase One Property and Phase One Study Area were accessed on the City of Ottawa mapping website GeoOttawa for the period from 1945 to 2021. Photos taken prior to 1945 were not available. Aerial photographs are provided in Appendix 10.4 and reviewed as follows:

| Year (source)               | Description   |  |
|-----------------------------|---|--|
|                             | Phase One Property  | Phase One Study Area   |
| 1945<br>(NAPL)              | The Phase One Property appears to be vacant and used for agricultural purposes.   | The Phase One Study Area appears to be predominantly agricultural land and wooded areas, with a few farmhouses and buildings sparsely developed on the land. Innes road is visible to the south of the Phase One Property.   |
| 1954<br>(NAPL)              | The Phase One Property has been developed with at least three structures visible on the property, including a dwelling on the centre of the property (3497 Innes Road), and a shed structure on the north side of the property. The west side of the property (3493 Innes Road) appears to be partly tree covered and developed with other small structures/sheds. The east side of the Phase One Property (3499 Innes Road) is vacant agricultural land. | To the north of the Phase One Property is a large rectangular outbuilding – likely used for farming and agricultural fields. There are no other visible significant changes to the Phase One Study Area from the 1945 aerial photograph.   |
| 1965<br>(GeoOttawa Website) | There is no significant visible change to the use of the Phase One Property. The residence and several small structures/ sheds remain on the centre and east sides of the Phase One Property. The east side of the Phase One Property is not shown in the air photo coverage.   | A residence is visible on the property to the west of the Phase One Property followed by Page Road. Residential properties are noted southwest of the Phase One Property, southwest of Innes and Page Road. Other farming type operations appear to be in operation along the south side of Innes Road, south of the Phase One Property. East of the Phase One Property is not covered by the air photo. |



| Year (source)               | Description  |   |
|-----------------------------|--|---|
|                             | Phase One Property   | Phase One Study Area  |
| 1976<br>(GeoOttawa Website) | The Phase One Property remains developed with the residence on the centre of the property (3497 Innes Road), and two rectangular structures on the west side of the property (3493 Innes Road). The east side of the property (3499 Innes Road) and the remainder of the Phase One Property consists of vacant, grassy areas with some trees.  | The farm building to the north of the Phase One Property has been removed. The dwelling to the west of the Phase One Property remains intact, with a second building visible on the lot, at the northeast corner of Page and Innes Road and in the location of the current Ultramar service station. Additional residential development is noted to the northwest of the Phase One Property, along Page Road and east of the Phase One Property. South of the Phase One Property remains used mainly for agricultural purposes.           |
| 1981<br>(NAPL)              | There are no significant visible changes to the Phase One Property from the 1976 aerial photograph.  | There are no significant visible changes in the use of the properties within the Phase One Study Area since the 1976 aerial photograph.   |
| 1991<br>(GeoOttawa Website) | The residence remains on the centre of the Phase One property (3497 Innes Road) with several mature trees and a small rectangular shed at the north side of the property. To the west of the dwelling is a large outbuilding, likely the garage building. A small garden is visible on the southeast side of the Phase One Property. The remainder of the property is grassy areas with mature trees and shrubs. | The property to the west of the Phase One Property has been redeveloped to include the current commercial plaza and fuel service station (at the southwest corner of the site). North of the Phase One Property has been developed with a residential subdivision. Further residential development has also occurred in the southwest and northeast parts of the Phase One Study Area. South of the Phase One Property, on the south side of Innes Road, appears to be developed as a golf driving range and other commercial operations. |
| 1999<br>(GeoOttawa Website) | There do not appear to be any significant visible changes to the use of the Phase One Property since the 1991 aerial photographs.  | Other than additional residential development northwest of the Phase One Property, there does not appear to be any significant visible changes to the use of the Phase One Study Area since the 1991 aerial photographs.  |
| 2002<br>(GeoOttawa Website) | There do not appear to be any significant visible changes to the use of the Phase One Property since the 1999 aerial photographs.  | Other than additional residential development northwest of the Phase One Property, there does not appear to be any significant visible changes to the use of the Phase One Study Area since the 1991 aerial photographs.  |
| 2008 (GeoOttawa Website)    | There do not appear to be any significant visible changes to the use of the Phase One Property since the 2002 aerial photographs.  | Other than the removal of some residences and commercial operations along the south side of Innes Road for road widening, there does not appear to any significant visible changes to the use of the Phase One Study Area since the 2002 aerial photograph.   |
| 2011<br>(GeoOttawa Website) | The residence has been demolished. The garage structure remains intact. No other significant changes in the use of the Phase One Property were noted since the 2008 aerial photograph.   | The property at the southwest corner of Innes and Page Road has been redeveloped for commercial use. No other significant changes were noted since the 2008 aerial photograph.  |
| 2014<br>(GeoOttawa Website) | A rectangular structure, likely the existing trailer, is visible on the centre of the Phase One Property. The garage structure remains on the property. A small billboard is also visible on the southeast side of the property.   | The vacant property at the southeast corner of Innes and Page Road is under construction with a multi-storey building. Further south of the building are several other smaller residential structures.  |



| Year (source)               | Description   |  |
|-----------------------------|---|--|
|                             | Phase One Property  | Phase One Study Area   |
| 2018<br>(GeoOttawa Website) | No significant visible changes are noted since the 2014 aerial photograph.  | A multi-storey building to the southwest of the Phase One Property (retirement residence) has been constructed on the southeast corner of Page Road and Innes Road.  |
| 2021<br>(GeoOttawa Website) | The rear portion of the garage building has been removed leaving only the front portion of the structure intact. The trailer remains on the centre of the Phase One Property. | A roadway was developed through the golf range property south of the Phase One Property. A property to the southeast of the site appears to be used for the storage and stockpiling of fill and aggregate material, likely related to development further south of the study area. |

NAPL – National Air Photo Library

Based on the review of historic aerial photographs, the Phase One Property was originally developed in the approximately the early 1950s with a residence and several other smaller structures/sheds. The remainder of the Phase One Property appears to have been used as agricultural land until approximately the 1980s. In the 1990s, a large garage building was constructed on the west side of the Phase One Property. The original dwelling was demolished between 2008 and 2010 and was replaced by a rectangular trailer in about 2014 which remains on the Phase One Property. The garage building also remain partially intact on the Phase One Property.

The Phase One Study Area appears to have been largely used for agricultural purposes until the mid-1950s. From the 1950s onwards, land use within the Phase One Study Area largely shifted to residential development, with some commercial development along properties fronting Innes Road (mainly the south side of Innes Road). A fuel service station has been in operation in the commercial plaza <40 m west-southwest of the Phase One Property since approximately the late 1980s.

Based on geographic location in relation to the Phase One Property and/or associated nature of the activities observed on the aerial photographs, some of the activities above may pose an environmental concern for the Phase One Property and are discussed in Section 7.2.

#### 4.4.2 Topography, Hydrology, Geology

Topographic maps for the Phase One Study Area are included in Appendix 10.2.

The Phase One Property is generally flat with an approximate elevation of 91 m above sea level (ASL). There is a slightly elevated area in the centre of the Phase One Property which generally slopes downward to the north (back of property) and to the east. No permanent surface water features were observed on the Phase One Property. Surface drainage on the Phase One Property



is believed to generally occur through infiltration, though some runoff onto adjacent properties and to Innes Road may occur during particularly wet periods. There are no visible drainage ditches on the Phase One Property. However, storm sewer catch basins are located along the roadside curb on the north side of Innes Road. City of Ottawa storm sewer mapping indicates the Innes Road storm sewer system and municipal sanitary sewer system drain to the west along the roadway.

Rideau Valley Conservation Authority (RVCA) GeoPortal mapping indicates the Phase One Property is situated on the boundary between the West Bilberry Creek and Mud Creek (GCK) catchment areas of the Ottawa River East Subwatershed. On a regional scale, topography slopes north to the Ottawa River, and groundwater flow is believed to be oriented to the northwest towards the Ottawa River, which is approximately 5 km northwest of the Phase One Property. Locally, the Phase One Property appears to be located at the divide for surface drainage to the northwest towards the Ottawa River and surface drainage to the southeast towards the Mer Bleu bog.

Published accounts by the Ontario Geological Survey describe the bedrock geology of the Phase One Property and Phase One Study Area as consisting of fossiliferous limestone of the Bobcaygeon Formation (OGS MRD-219-June 2007). Overburden material is minimal in the area; reports indicate overburden consists of unconsolidated quaternary sediments up to 1 m thick (OGS MRD-128 Rev. 2010). A geotechnical Investigation completed by Paterson Group (discussed in Section 4.1.6) along with the 2010 Phase I ESA (Paterson Group Inc, 2010) included five test pits advanced to shallow bedrock between 0.7 and 1.5 m below surface grade on the Phase One Property. The BluMetric June 2020 drilling program (also discussed in Section 4.1.6) encountered limestone bedrock at depths of 1.14 m bgs at MW1 and 0.86 m bgs at MW2. At MW1, overburden was comprised of approximately 0.3 m of silt over approximately 0.8 m of clay. At MW2, overburden was comprised of approximately 0.6 m of fine sand over approximately 0.25 m of silt.

The static water table was approximately 3 m into limestone bedrock with a higher static groundwater elevation at MW1 compared to MW2 (BluMetric, 2020). Since MW2 is located further to the west on the Phase One Property, the measured static groundwater elevations indicate that the majority of the 3493, 3497 and 3499 Innes Road property is potentially located up gradient or crossgradient to groundwater flow leaving the 3469 Innes Road property.

#### 4.4.3 Fill Materials

It is possible that fill material may have been brought onto the Phase One Property during the construction of the original structures that were historically on the property prior to 2011. It was noted at the time of the 2020 site visit (BluMetric, 2020) that the topography in the area of the commercial trailer, which was in the historic location of the original stone house, appeared to be





slightly elevated, sloping downward towards the back of the property and to the east. There were no historical records or indications from aerial photos confirming the presence of fill material of unknown quality or construction debris from the former stone house on the Phase One Property.

Given the historical residential land use on the Phase One Property, results of the site investigations conducted as part of this Phase One ESA and historical assessments, and the shallow bedrock in the area, the presence of fill material on the Phase One Property is not considered to be a PCA on the Phase One Property.

#### **4.4.4 Water Bodies**

There are no surface water bodies located on the Phase One Property or within the Phase One Study Area. The closest surface waterbody to the Phase One Property is Bilberry Creek, located approximately 0.74 km northwest of the Phase One Property.

#### **4.4.5 Well Records**

As noted in Section 4.2.2, four well records were found within the Water Well Information System (**WWIS**) database for the Phase One Property, which included two domestic supply wells, installed in the 1960s, and two monitoring and test holes, installed by BluMetric in 2020 (discussed in Section 4.1.6).

A total of 36 other well records were also found for properties within the Phase One Study Area, 27 of which are supply wells located within 200 m of the Phase One Property. Overburden within the vicinity of the site is generally described as clay, silt, or rock overlying shallow grey limestone.

As properties within the Phase One Study Area are serviced with municipal water, it is inferred that the domestic water supply wells are no longer in use.

#### **4.4.6 Site Operating Records**

##### **Regulatory Permits**

No regulatory operating permits were identified for the Phase One Property.



## 5. INTERVIEWS

A phone interview was conducted with Ms. Valerie Lapensee, Sales and Administration Manager for Matelas Lapensee Mattresses on November 8, 2022 at 12:00 pm. The interview was conducted by Ms. Amanda Gartshore of BluMetric under the supervision of Robert Hillier, P.Geo., Qualified Person (QP) for the Phase One ESA. A summary of the relevant information provided during the interview is provided below.

- Ms. Lapensee indicated that there are currently two structures on the Phase One Property, a sales trailer and a garage/workshop building. Ms. Lapensee indicated that the garage/workshop building has been proposed for demolition for some time, but that the property owners are awaiting permit approvals from the City of Ottawa. Ms. Lapensee indicated that all utility services have been shut off for the property, including water and natural gas.
- Ms. Lapensee indicated that the Phase One Property is proposed for a zoning change from residential to commercial use, for the development of two commercial buildings that will be used as a mattress retail store, warehousing, and offices.
- Ms. Lapensee indicated that there have been no changes to the structures on the Phase One Property since the previous environmental report was completed in 2019. The only maintenance to the property includes grass cutting. No salt or de-icing chemicals are applied to the surfaces of the property.

No PCAs were identified for the Phase One Property or within the Phase One Study Area based on information collected during the interview.



## **6. SITE RECONNAISSANCE**

### **6.1 GENERAL REQUIREMENTS**

The Phase One Property and Phase One Study Area were visited for approximately one hour on November 18, 2022, by Mr. Lake Johnson of BluMetric under the supervision of Robert Hillier, P. Geo., QP for the Phase One ESA. Weather conditions at the time of the site visit were sunny and clear; the ambient air temperature was approximately 16°C. The ground surface was covered in snow and ice, which may have obstructed the visual inspection of some areas of the Phase One Property.

Access to all areas of the Phase One Property was possible during the site visit with the exception of the sales trailer, which was boarded up.

The Phase One Study Area, other than the Phase One Property, was also investigated on November 18, 2022, by Mr. Lake Johnson of BluMetric. A 250 m radius area was surveyed and occupants of neighbouring properties were recorded. The Phase One Property is primarily surrounded by residential, industrial, and commercial land use.

Photographs of the Phase One Property compiled during the site visit are included in Section 10.4.

### **6.2 SPECIFIC OBSERVATIONS AT PHASE ONE PROPERTY**

#### **6.2.1 Structures and Other Improvements**

##### **i. Description of Structures and Other Improvements**

The Phase One Property was observed to consist of two structures, a sales trailer on the centre of the property (3497 Innes Road) and a garage building on the west side of the property (3493 Innes Road). The Phase One Property was unoccupied at the time of the inspection. The sales trailer consisted of concrete exterior walls. The inside of the sales trailer was not accessed at the time of the inspection, which appeared to have been vandalized and broken into. The garage building consisted of metal siding, concrete block and plywood walls, drywalled ceilings, and a concrete floor. The inside of the garage building appeared to be deteriorated, with several areas of the ceiling falling in and building debris and materials scattered throughout the structure.

The remainder of the Phase One Property consisted of grassy areas with a gravel driveway and some trees.



**ii. Below Ground Structures Associated with Structures and Other Improvements**

Both structures on the Phase One Property are understood to be at grade, with no basement or below grade improvements.

No catch basins were observed on the Phase One Property. Two monitoring wells were present along the west side of the Phase One Property, installed by BluMetric in 2020.

**iii. Tanks**

No evidence of any storage tanks were observed on the Phase One Property.

**iv. Water Sources Associated with Structures and Other Improvements**

Other than two ground water monitoring wells observed on the west side of the property, no potable or non-potable water sources were noted on the Phase One Property at the time of the site visit.

The municipal water service is understood to have been disconnected at the Phase One Property. However, municipal water and sanitary services are available at the Phase One Property and within the Phase One Study Area.

**6.2.2 Underground Utilities and Service Corridors**

At the time of the site visit, the natural gas, municipal water, and electrical and telecommunication services had all been disconnected at the Phase One Property. Underground utility conduits connect to the Sales trailer from the east side and to the garage building along the north side. No electrical transformers were observed on the Phase One Property.

**6.2.3 Interiors of Structures and Buildings**

**i. Entry/Exit Points**

The Phase One Property has only one access point from the Innes Road, along the south side of the property. The trailer on the Phase One Property had entry and exit access points from the north and south sides. The garage building has entry and exit points from the south and east sides.



**ii. Heating Systems**

There was no heating service provided to the structures on the Phase One Property at the time of the site visit. All of the utility services, including the natural gas connection, had reportedly been disconnected.

**iii. Cooling Systems**

There was no cooling service provided to the structures on the Phase One Property at the time of the site visit. All of the utility services had reportedly been disconnected.

**iv. Drains, Pits and Sumps**

There were no drains, pits, or sumps observed inside the garage building. No access to the trailer was made available; however, it is understood that there are no below ground features associated with this structure.

**v. Unidentified Substances in the Interior of Any Building or Structure**

No unidentified substances were observed inside the structures on the Phase One Property.

**vi. Stains and Corrosion on Floors**

Some staining (minimal) was observed in the garage building, in the vicinity of three 4 L containers of used motor oil sorted in the garage building.

**6.2.4 Exterior Portions of the Phase One Property**

**i. Current and Former Wells**

Two groundwater monitoring wells (installed by BluMetric in 2020) were observed along the west boundary of the Phase One Property at the time of the site visit. No other wells were observed at the Phase One Property.

**ii. Sewage Works**

There was no evidence of any sewage works observed at the Phase One Property at the time of the site visit.



**iii. Ground Surface Details**

The ground cover consisted of grassy areas, with a gravel driveway accessed from Innes Road, and some trees throughout the property.

Surface runoff on the Phase One Property is inferred in to infiltrate the grassy areas or to run off the property into storm drains along Innes Road.

**iv. Railway Lines and Spurs**

No evidence of any railway lines or spurs were observed at the Phase One Property at the time of the site visit.

**6.2.5 Parts of the Phase One Property Not Covered by Buildings or Other Structures**

**i. Stained Soil, Vegetation or Pavement**

No stained soil, vegetation or pavement was directly observed at the Phase One Property in areas not covered by buildings or other structures. No information in regard to stained soil, vegetation or pavement was received.

**ii. Stressed Vegetation**

No stressed vegetation was directly observed at the Phase One Property. No information in regard to stressed vegetation was received.

**iii. Area Where Fill or Debris May Have Been Placed or Graded**

No areas where fill or debris may have been placed or graded were directly observed at the Phase One Property.

**iv. Potentially Contaminating Activities in Areas Not Covered by Buildings or Other Structures**

No PCAs in areas not covered by buildings or other structures were directly observed during the site reconnaissance.



#### v. Unidentified Substances in Areas Not Covered by Buildings or Other Structures

No unidentified substances were directly observed on the Phase One Property in areas not covered by buildings or other structures. No information in regard to unidentified substances in areas not covered by buildings or other structures was received.

#### 6.2.6 Enhanced Investigation at the Property

An Enhanced Investigation Property is defined in O. Reg. 153/04 as a property which is being used or has been used, in whole or in part, for an industrial use or for any of the following commercial uses:

- As a 'garage', defined in O. Reg. 153/04 as a place or premises where motor vehicles are received for maintenance or repairs for compensation;
- As a bulk liquid dispensing facility, including a gasoline outlet; and/or,
- The operation of dry cleaning equipment. O. Reg. 511/09, s. 14.

Based on the above descriptions of use, the Phase One ESA Property is not an Enhanced Investigation Property as defined in O. Reg. 153/04.

#### 6.2.7 Phase One Study Area Reconnaissance

BluMetric surveyed the area within a 250 m radius of the Phase One Property boundary and noted the activities on neighbouring properties. Observations have been incorporated, where appropriate, throughout the Phase One ESA report.

The Phase One Property is bound to the south by Innes Road. North and east of the Phase One Property is predominantly a residential subdivision. West of the Phase One Property is a commercial plaza at 3469 Innes Road, occupied by Orleans Dry Cleaners (depot), Innes Road Animal Hospital, Co-operators Insurance, Sweetheart Rose florist, Purolator, Gabriela's Pizza, and an Ultramar fuel service station. Further west is Page Road and residential properties along the north side of Innes Road. South of the Phase One Property, along the south side of Innes Road are residential properties and largely vacant land (former driving range) proposed for residential redevelopment.

Multiple pole-mounted transformers were observed along Innes Road. No leaks or stains were reported or observed in the vicinity at any of these transformers.



## 6.2.8 Summary of Findings

No PCAs were identified on the Phase One Property during the site reconnaissance.

The following PCAs were identified for the Phase One Study Area from the site reconnaissance:

| Item | Potentially Contaminating Activity                      | Area Associated with Potentially Contaminating Activity   | Information Source |
|------|---|---|--------------------|
| 28.  | Gasoline and Associated Products Storage in Fixed Tanks | <u>3469 Innes Road</u><br>Gasoline service station located 65 m west-southwest of the Phase One Property. | Section 6.2.7      |
| 55.  | Transformer Manufacturing, Processing and Use           | Pole and pad mount transformers were observed throughout the Phase One Study Area.                        | Section 6.2.7      |

*Source: Table 2, Schedule D, O. Reg. 153/04*

## 6.3 WRITTEN DESCRIPTION OF THE INVESTIGATIONS

The investigations conducted for this assessment are described in Sections 3.0 through 6.0.

Chronologically, the first task was to review information obtained by filing requests with organizations notably the ERIS databases (see Section 4.2). Physical setting sources were also obtained and reviewed at this time. On November 18, 2022, BluMetric conducted a site reconnaissance of the Phase One Property and the Phase One Study Area (see Section 6.0).

The review and evaluation of the assembled information is presented in Section 7.0 and Conclusions are presented in Section 8.0. Aside from the reconnaissance, interviews, and review of information collected from numerous sources, no other investigations were conducted.





## 7. REVIEW AND EVALUATION OF INFORMATION

### 7.1 CURRENT AND PAST USES

The Phase One Property has the following history of use:

| Time Period     | Use(s)  | Description               |
|-----------------|---|---------------------------|
| Prior to 1950s  | Phase One Property was vacant, possibly used for agricultural purposes.   | Agricultural or Other Use |
| 1950s to 2008   | Phase One Property developed with a residential dwelling, built on the centre of the property (3497 Innes Road).<br><br>In the 1990s, a large outbuilding (i.e. garage) was constructed on the west side of the property (3493 Innes Road).   | Residential Use           |
| 2008 to Present | The original dwelling was demolished between 2008 and 2010.<br><br>In the 2010s, part of the garage building was also demolished.<br><br>The garage building remains partly intact on the west side of the Phase One Property (3493 Innes Road). A sales trailer structure was brought onto the centre parcel of the property (3497 Innes Road) and put in the location of the former dwelling. The rest of the Phase One Property has remained undeveloped land. | Agricultural or Other Use |

### 7.2 POTENTIALLY CONTAMINATING ACTIVITY

#### 7.2.1 Phase One Property

No PCAs were identified at the Phase One Property from historical or current activities.

The former heating oil AST would be considered a PCA for the Phase One Property; however, since the AST was removed prior to work completed by Paterson group (2010), and no environmental impacts associated with the tank were identified, it is the opinion of the QP that the risk of any residual environmental impacts associated with the presence of the former AST on the Phase One Property is considered low.

#### 7.2.2 Phase One Study Area

Through records review, interviews, and a site reconnaissance visit, PCAs were identified in the Phase One Study Area. These concerns are associated with PCAs as defined in O.Reg. 153/04, as amended. The PCAs noted within the Phase One Study Area are summarized as follows:



| Item | Potentially Contaminating Activity   | Location of Potentially Contaminating Activity   | Information Source                                       |
|------|--|--|--|
| 28.  | Gasoline and Associated Products Storage in Fixed Tanks  | <p><u>3469 Innes Road</u><br/>Gasoline service station with at least two L underground fuel tanks, tanks installed in 1987 and 2015, and records of three other underground fuel oil tanks (Located &lt;40 m west-southwest of the Phase One Property).</p> <p><u>3605 Innes Road</u><br/>Delisted 10,000 L fuel oil tank, installed on 28 June 2006. Delisted 4,546 L fuel oil tank said to be 12 years old. Record date was April 2013. Standby emergency diesel generator set (Located 247 m east-northeast of the Phase One Property.)</p> | <p>Sections 4.1.6, 4.2.2, 4.2.6</p> <p>Section 4.2.2</p> |
| GEN  | Waste Generator  | <p><u>3605 Innes Road</u><br/>Waste generator of inorganics and alkaline wastes – heavy metals between 1997 and 2004; light fuels, oil skimmings and sludges and waste oils and lubricants in 2005; and alkaline wastes – heavy metals and acid wastes – heavy metals in 2021 and 2022 (Located 247 m east-northeast of the Phase One Property).</p>   | Section 4.2.2  |
| SPL  | Spill  | <p><u>3469 Innes Road</u><br/>50 L spill of engine oil to the sewer dated September 23, 2010. Unknown quantity of hydraulic oil spilled into the lot on May 16, 2002. The spill was contained (Located &lt;40 m west-southwest of the Phase One Property).</p> <p><u>3443 Innes Road</u><br/>Spill of oil or gas from property to the road and catchbasin on April 8, 2019 (Located 70 m west-southwest of the Phase One Property).</p>  | <p>Section 4.2.2</p> <p>Section 4.2.2</p>                |
| 58.  | Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners | <p><u>Innes Road</u><br/>Westbay Investments Inc., unnamed landfill site (Located 800 m east-northeast of the Phase One Property).</p>   | Sections 4.2.6, 4.2.8                                    |
| 12.  | Concrete, Cement and Lime Manufacturing  | <p><u>3544 Innes Road</u><br/>Concrete forming company (Normco Forming Limited) in operation between 2001 and 2005 (Located 85 m southeast of the Phase One Property).</p>   | Section 4.2.6  |
| 58.  | Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products  | <p><u>3636 Innes Road</u><br/>Builders' Warehouse lumber and building materials storage facility, in operation since 1985 (Located 250 m southeast of the Phase One Property).</p>   | Section 4.2.6  |
| 55.  | Transformer Manufacturing, Processing and Use  | <p>Pole and pad mount transformers were observed throughout the Phase One Study Area.</p>  | Section 6.2.7  |

Source: Table 2, Schedule D, O. Reg. 153/04



### 7.3 AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

#### 7.3.1 Evaluation of Information

Information from each of the components of the Phase One ESA was evaluated and considered to identify areas of potential environmental concern (APECs) (former or current PCAs which pose a moderate to high environmental risk to the Phase One Property). In determining the areas of actual or potential environmental concern at the Phase One Property, BluMetric has evaluated the information collected during this Phase One ESA based on the concepts of source, pathways, and receptors.

Because Phase One ESAs do not include the testing of samples or the measuring of environmental parameters, the areas of potential environmental concern on the Phase One Property are speculative.

No PCAs were identified at the Phase One Property from historical or current activities.

The following PCAs were identified within the Phase One Study Area from historical or current activities and are identified on Figure 3:

| Item | Potentially Contaminating Activity                      | Location of Potentially Contaminating Activity   | Potential Environmental Concern to the Phase One Property – Y/N (Rationale)  |
|------|---|--|--|
| 28.  | Gasoline and Associated Products Storage in Fixed Tanks | <p><u>3469 Innes Road</u><br/>Gasoline service station with at least two L underground fuel tanks, tanks installed in 1987 and 2015, and records of three other underground fuel oil tanks (Located &lt;40 m west-southwest of the Phase One Property).</p> <p><u>3605 Innes Road</u><br/>Delisted 10,000 L fuel oil tank, installed on 28 June 2006. Delisted 4,546 L fuel oil tank said to be 12 years old. Record date was April 2013. Standby emergency diesel generator set (Located 247 m east-northeast of the Phase One Property.)</p> | <p>Y (PCA is located in near proximity to the western boundary to the Phase One Property).</p> <p>N (PCA is located a significant distance and crossgradient to the Phase One Property).</p> |
| GEN  | Waste Generator   | <p><u>3605 Innes Road</u><br/>Waste generator of inorganics and alkaline wastes – heavy metals between 1997 and 2004; light fuels, oil skimmings and sludges and waste oils and lubricants in 2005; and alkaline wastes – heavy metals and acid wastes – heavy metals in 2021 and 2022 (Located 247 m east-northeast of the Phase One Property).</p>   | <p>N (PCA is located a significant distance and crossgradient to the Phase One Property).</p>  |



| Item | Potentially Contaminating Activity   | Location of Potentially Contaminating Activity  | Potential Environmental Concern to the Phase One Property – Y/N (Rationale)  |
|------|--|---|--|
| SPL  | Spill  | <p><u>3469 Innes Road</u><br/>50 L spill of engine oil to the sewer dated September 23, 2010. Unknown quantity of hydraulic oil spilled into the lot on May 16, 2002. The spill was contained (Located &lt;40 m west-southwest of the Phase One Property).</p> <p><u>3443 Innes Road</u><br/>Spill of oil or gas from property to the road and catchbasin on April 8, 2019 (Located 70 m west-southwest of the Phase One Property).</p> | <p>N (Fairly small spill amount and inferred to have occurred on opposite side of fuel service station at 3469 Innes Road and therefore considered to be crossgradient to the Phase One Property).</p> <p>N (Inferred to be a small spill amount given residential use. Also, PCA is located crossgradient to the Phase One Property).</p> |
| 58.  | Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners | <p><u>Innes Road</u><br/>Westbay Investments Inc., unnamed landfill site (Located 800 m east-northeast of the Phase One Property).</p>  | N (PCA is located a significant distance and crossgradient to the Phase One Property).   |
| 12.  | Concrete, Cement and Lime Manufacturing  | <p><u>3544 Innes Road</u><br/>Concrete forming company (Normco Forming Limited) in operation between 2001 and 2005 (Located 85 m southeast of the Phase One Property).</p>  | N (PCA is located crossgradient to the Phase One Property).  |
| 58.  | Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products  | <p><u>3636 Innes Road</u><br/>Builders' Warehouse lumber and building materials storage facility, in operation since 1985 (Located 250 m southeast of the Phase One Property).</p>  | N (PCA is located a significant distance and crossgradient to the Phase One Property).   |
| 55.  | Transformer Manufacturing, Processing and Use  | Pole and pad mount transformers were observed throughout the Phase One Study Area.  | N (Subsurface impacts derived from mineral insulating oils are localized and have low mobility in soils).  |

Source: Table 2, Schedule D, O. Reg. 153/04

### 7.3.2 Identified Areas of Potential Environmental Concern

The following areas of potential environmental concern (APECs) were identified on the Phase One Property and are indicated on Figure 4:

| APEC | Location of Area of Potential Environmental Concern on Phase One Property | PCA  |
|------|---|--|
| A    | Western Boundary of Phase One Property                                    | #28. Gasoline and Associated Products Storage in Fixed Tanks |

Source: Table 2, Schedule D, O. Reg. 153/04



The search of environmental source information yielded records for fuel storage tanks at the 3469 Innes Road property dating back to 1987 and a review of the available aerial photos for the Phase One Study Area indicate that the petroleum fuels service station was present at this location since prior to 1991. Based on the information collected during the Phase One ESA, the presence of the Ultramar fuel service station to the immediate west (3469 Innes Road) of the Phase One Property is considered to create an Area of Potential Environmental Concern (APEC) for the westernmost portion of the Phase One Property. Spill records associated with 3469 Innes Road (<40 m west of the Phase One Property) and 3443 Innes Road (70 m west of the Phase One Property) were considered to be low risk for environmental impact but would be also captured by an investigation of the APEC pertaining to the fuel service station at 3469 Innes Road.

### 7.3.3 Contaminants of Potential Concern

The Phase One ESA identified the following contaminants of potential concern based on the PCA activities:

- Benzene, toluene, ethylbenzene and xylene (BTEX)
- Petroleum hydrocarbons (PHCs) in the F1 to F4 fractions

As discussed in Section 4.1.6, in June 2020, BluMetric completed a Phase II ESA at the Phase One Property to investigate the soil and groundwater quality at two locations on the western portion of the Phase One Property. The soil and groundwater chemical results at both sample locations were found to be below laboratory method detection limits and did not exceed the applicable O. Reg. 153/04 Table 7 Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Conditions for Residential/Parkland/Institutional Property Use and coarse textured soils.

Since the fuel service station has remained in operation since 2020, it continues to create an APEC on the westernmost part of the Phase One Property. Given that the above Phase II ESA did not find any soil impacts and since groundwater was not observed within the overburden material, it is the opinion of the QP that there would be no pathways for any new soil impacts on the Phase One Property and that the fuel service station does not pose a concern for soils at the Phase Two Property.

Based on the above, the contaminants of potential concern and the potentially affected media for the identified APEC for the Phase One Property are summarized as follows:



| APEC | Location of APEC                           | PCA(s)   | Contaminants of Potential Concern | Potentially Affected Media |
|------|--|--|-----------------------------------|----------------------------|
| A    | Western Boundary of the Phase One Property | #28 – Gasoline and Associated Products Storage in Fixed Tanks. | PHCs, BTEX                        | Ground Water               |

### 7.3.4 Information Gaps in Phase One Investigation

Access to all areas of the Phase One Property was possible during the site visit with the exception of the sales trailer structure.

All efforts were made to obtain records for the Phase One Property and the Phase One Study Area. Those information searches without responses at the time of report preparation are noted herein.

### 7.3.5 Phase One Conceptual Site Model

Figure 4 provides the conceptual site model (CSM) for the Phase One Property and Phase One Study Area. Figure 4 shows:

- The location of existing buildings and structures,
- water bodies (if present) located in whole or in part on the Phase One Study Area,
- roads within the Phase One Study Area,
- the locations of water supply wells on the Phase One Property,
- uses of properties adjacent to the Phase One Property,
- areas where any potentially contaminating activity has occurred, and
- areas of potential environmental concern.

The Phase One CSM does not include the following types of information for the following reasons:

- There is no figure which illustrates areas of natural significance in the Phase One Study Area because there are no areas of natural significance in the Phase One Study Area.
- There is no figure which illustrates the locations of water supply wells on the Phase One Property because there were no well records identified on the Phase One Property.

Geological and hydrogeological information pertaining to the site is discussed in Section 4.4.



## **8. CONCLUSIONS**

### **8.1 IS A PHASE TWO ESA REQUIRED BEFORE AN RSC IS SUBMITTED?**

As discussed above, an area of potential environmental concern has been identified on the Phase One Property. A Phase Two ESA would be required before an RSC could be submitted.

### **8.2 CAN AN RSC BE SUBMITTED BASED ON THE PHASE ONE ESA ALONE?**

It is the opinion of the QP that an RSC cannot be submitted solely on the basis of this Phase One ESA report. It is recommended that a Phase Two ESA be conducted to examine potential impacts at the Phase One Property prior to filing an RSC.

### **8.3 LIMITING CONDITIONS, QP STATEMENT, AND QP SIGNATURE**

#### **Limiting Conditions**

This Phase One ESA report was completed in general accordance with O. Reg. 153/04. The findings in this report are based on: observations made during a site visit; interviews with people familiar with the site; a review of historical records concerning the current and past uses of the Phase One Property; and requests for information filed with provincial and municipal agencies.

The conclusions presented in this report represent our professional opinion and are based on the conditions observed on the dates set out in the report, the information available at the time this report was prepared, the scope of work, and any limiting conditions noted herein.

BluMetric provides no assurances regarding changes to conditions subsequent to the time of the assessment. BluMetric makes no warranty as to the accuracy or completeness of the information provided by others or of the conclusions and recommendations predicated on the accuracy of that information.

This report has been prepared for Gestion FRAMI. Any use a third party makes of this report, any reliance on the report, or decisions based upon the report, are the responsibility of those third parties unless authorization is received from BluMetric in writing. BluMetric accepts no responsibility for any loss or damages suffered by any unauthorized third party as a result of decisions made or actions taken based on this report.



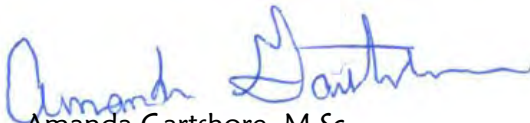
This report was written by Amanda Gartshore, M.Sc. and Robert Hillier, P.Geo.

### Statement and Signature of the Qualified Person

This Phase One Environmental Site Assessment of the Phase One Property includes the evaluation of information gathered from a records review, site reconnaissance, and interviews. It has been conducted in accordance with O. Reg. 153/04, as amended, by or under the supervision of a qualified person.

Sincerely yours,

**BluMetric Environmental Inc.**



Amanda Gartshore, M.Sc.  
Environmental Scientist



Robert Hillier, P.Geo., QP<sub>ESA</sub>  
Senior Hydrogeologist





## 9. REFERENCES

BluMetric Environmental Inc., 2020. Phase I Environmental Site Assessment, 3493, 3497, & 3499 Innes Road, Ottawa, Ontario. Dated June 26, 2020.

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Ontario Ministry of the Environment and Energy (MOE). 1992. *Ontario Inventory of PCB Storage Sites* October 1991. Prepared by the Waste Management Branch, PIBS 808. ISBN 0-7729-9044-1.

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Ontario Ministry of the Environment, Conservation and Parks (MECP), undated. Small Landfill Sites. <https://www.ontario.ca/environment-and-energy/small-landfill-sites-list>. Accessed on 6 August 2021.

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Paterson Group Inc., 2019. Phase I – Environmental Site Assessment Update, 3493 and 3497 Innes Road, Ottawa, Ontario. Dated March 27, 2019.



## FIGURES



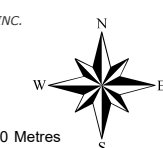


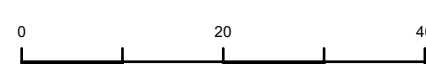
**LEGEND**

- Property Outline
- Existing Structure
- Former Structure Footprint
- + Monitoring Well Location

| 1    |             |          |    |     |
|------|-------------|----------|----|-----|
| REV. | DESCRIPTION | YY/MM/DD | BY | CHK |

**REFERENCES**  
 PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DIVULGED WITHOUT PRIOR WRITTEN CONSENT OF BLUMETRIC ENVIRONMENTAL INC. DO NOT SCALE DRAWING. THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.





1:750

**CLIENT**

**Gestion FRAMI**  
 1085 Boulevard de la Carriere  
 Gatineau, Quebec, J9Y 6V4

**PROJECT**

**Phase One Environmental Site Assessment**  
 3493, 3497 and 3499 Innes Road  
 Ottawa, ON

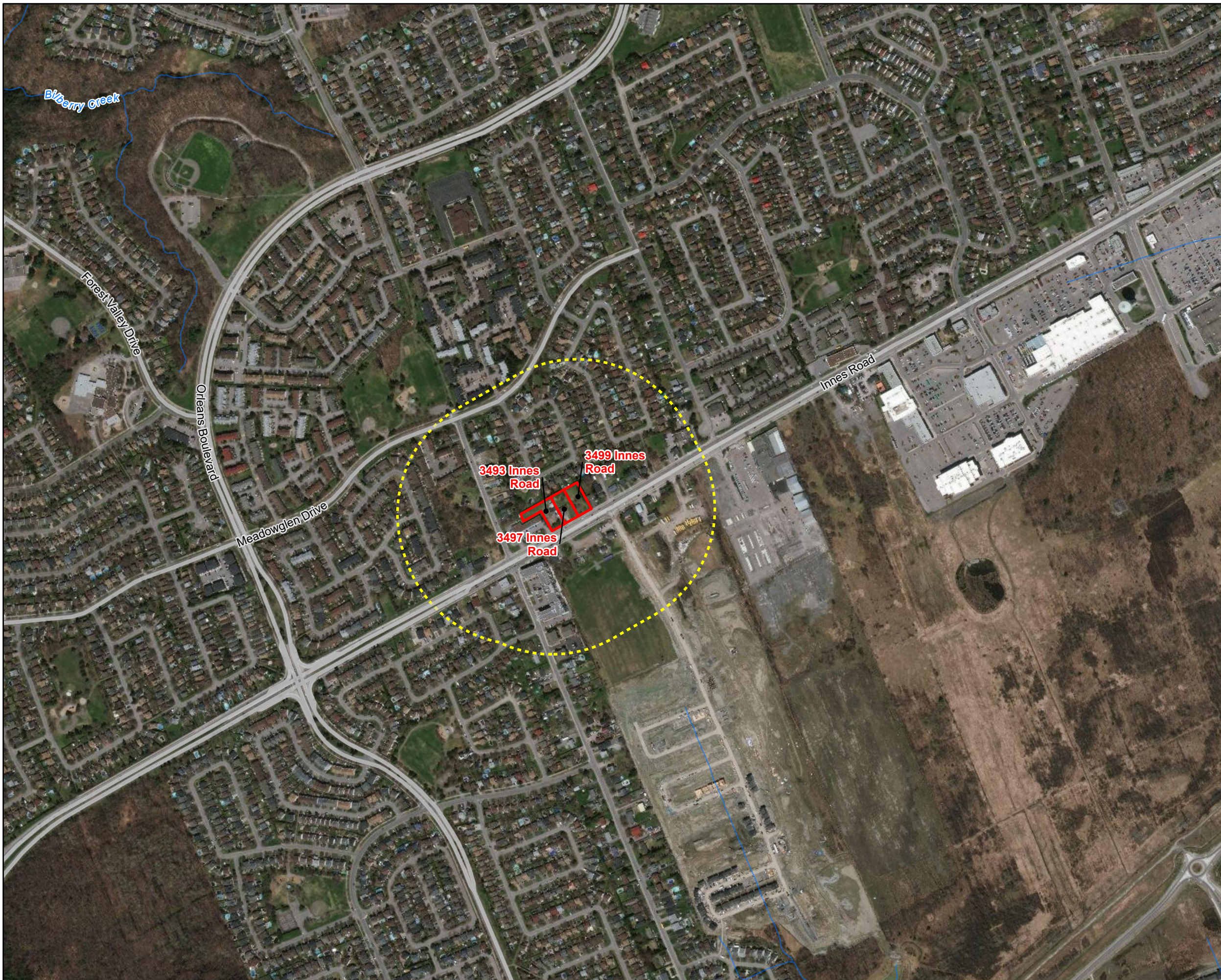
**TITLE**

**Phase One Property**



3108 Carp Road PO Box 430  
 Ottawa, Ontario K0A 1L0  
 TEL: (613) 839-3053  
 FAX: (613) 839-5376  
 Email: info@blumetric.ca  
 Web: http://www.blumetric.ca

|                            |                                 |
|----------------------------|---------------------------------|
| <b>PROJECT #</b><br>230028 | <b>DATE</b><br>January 23, 2023 |
| <b>DRAWN</b><br>MB         | <b>CHECKED</b><br>RH            |
| <b>FIG NO.</b><br>01       | <b>REV</b><br>2                 |



LEGEND

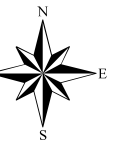
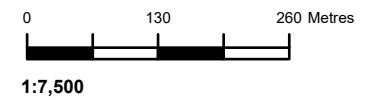
- Property Outline
- Phase One Study Area
- Watercourse



| REV. | DESCRIPTION | YY/MM/DD | BY | CHK |
|------|-------------|----------|----|-----|
| 1    |             |          |    |     |

REFERENCES

PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DIVULGED WITHOUT PRIOR WRITTEN CONSENT OF BLUMETRIC ENVIRONMENTAL INC. DO NOT SCALE DRAWING. THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.



CLIENT


**Gestion FRAMI**  
**1085 Boulevard de la Carrière**  
**Gatineau, Quebec, J9Y 6V4**

PROJECT

**Phase One Environmental Site Assessment**  
**3493, 3497 and 3499 Innes Road**  
**Ottawa, ON**

TITLE

**General Site Location**

 3108 Carp Road PO Box 430  
 Ottawa, Ontario K0A 1L0  
 TEL: (613) 839-3053  
 FAX: (613) 839-5376  
 Email: info@blumetric.ca  
 Web: http://www.blumetric.ca

|                            |                      |                                 |                 |
|----------------------------|----------------------|---------------------------------|-----------------|
| PROJECT #<br><b>230028</b> |                      | DATE<br><b>January 23, 2023</b> |                 |
| DRAWN<br><b>MB</b>         | CHECKED<br><b>RH</b> | FIG NO.<br><b>02</b>            | REV<br><b>1</b> |



**LEGEND**

- Property Outline
- Study Area
- ➔ Groundwater Flow Direction

| 1    |             |          |    |     |
|------|-------------|----------|----|-----|
| REV. | DESCRIPTION | YY/MM/DD | BY | CHK |

**REFERENCES**  
PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DIVULGED WITHOUT PRIOR WRITTEN CONSENT OF BLUMETRIC ENVIRONMENTAL INC. DO NOT SCALE DRAWING. THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0      50      100 Metres

1:3,000

**CLIENT**

**Gestion FRAMI**  
**1085 Boulevard de la Carriere**  
**Gatineau, Quebec, J9Y 6V4**

**PROJECT**

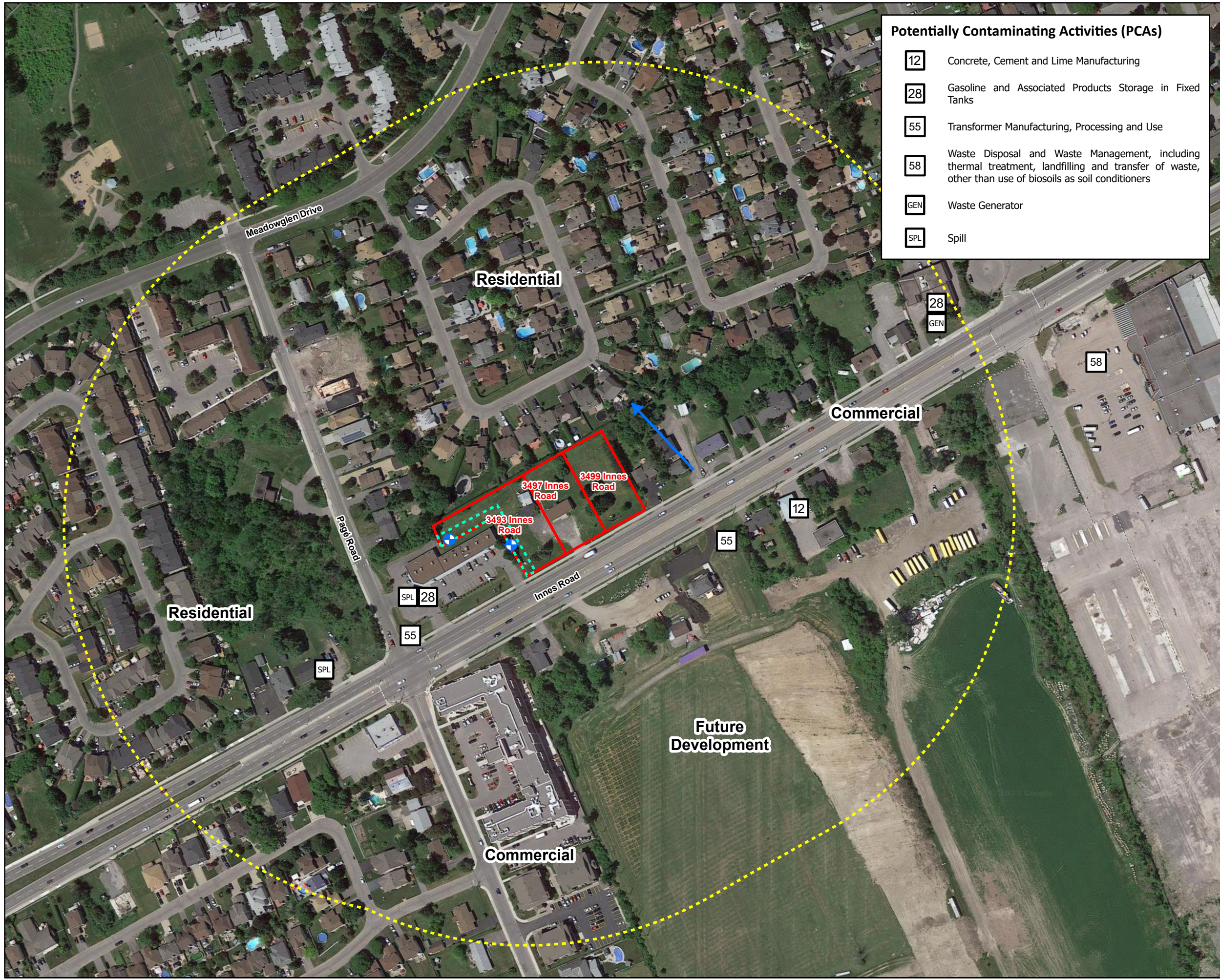
**Phase One Environmental Site Assessment**  
**3493, 3497 and 3499 Innes Road**  
**Ottawa, ON**

**TITLE**

**Phase One Study Area**

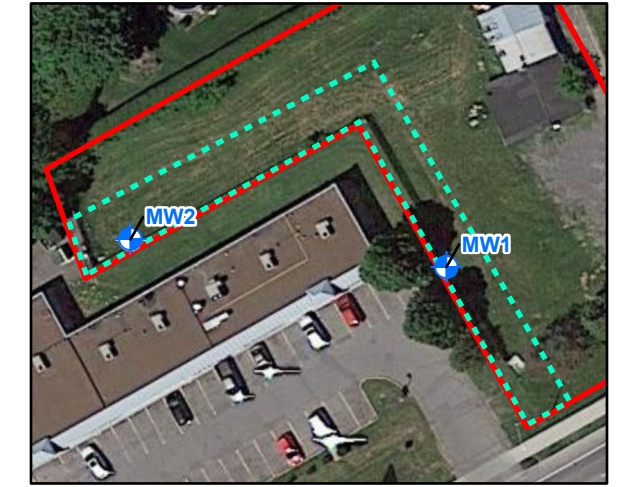
3108 Carp Road PO Box 430  
 Ottawa, Ontario K0A 1L0  
 TEL: (613) 839-3053  
 FAX: (613) 839-5376  
 Email: [info@blumetric.ca](mailto:info@blumetric.ca)  
 Web: <http://www.blumetric.ca>

|                            |                                 |
|----------------------------|---------------------------------|
| <b>PROJECT #</b><br>230028 | <b>DATE</b><br>January 23, 2023 |
| <b>DRAWN</b><br>MB         | <b>CHECKED</b><br>RH            |
| <b>FIG NO.</b><br>03       | <b>REV</b><br>2                 |



- ### Potentially Contaminating Activities (PCAs)
- 12** Concrete, Cement and Lime Manufacturing
  - 28** Gasoline and Associated Products Storage in Fixed Tanks
  - 55** Transformer Manufacturing, Processing and Use
  - 58** Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
  - GEN** Waste Generator
  - SPL** Spill

- ### LEGEND
- Property Outline
  - Area of Potential Environmental Concern (APEC)
  - Groundwater Flow Direction
  - ⊕ Monitoring Well Location



| REV. | DESCRIPTION | YY/MM/DD | BY | CHK |
|------|-------------|----------|----|-----|
| 1    |             |          |    |     |

**REFERENCES**  
 PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DIVULGED WITHOUT PRIOR WRITTEN CONSENT OF BLUMETRIC ENVIRONMENTAL INC. DO NOT SCALE DRAWING. THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

1:2,500

**CLIENT**

**Gestion FRAMI**  
 1085 Boulevard de la Carriere  
 Gatineau, Quebec, J9Y 6V4

**PROJECT**

**Phase One Environmental Site Assessment**  
 3493, 3497 and 3499 Innes Road  
 Ottawa, ON

**TITLE**

**Conceptual Site Model**

3108 Carp Road PO Box 430  
 Ottawa, Ontario K0A 1L0  
 TEL: (613) 839-3053  
 FAX: (613) 839-5376  
 Email: info@blumetric.ca  
 Web: http://www.blumetric.ca

|                            |                      |                                 |                 |
|----------------------------|----------------------|---------------------------------|-----------------|
| <b>PROJECT #</b><br>230028 |                      | <b>DATE</b><br>January 23, 2023 |                 |
| <b>DRAWN</b><br>MB         | <b>CHECKED</b><br>RH | <b>FIG NO.</b><br>04            | <b>REV</b><br>2 |

## 10. APPENDICES

### 10.1 SURVEY PLAN

O. Reg. 153/04 requires that a Phase One Environmental Site Assessment report include a current plan of survey of the Phase One Property that has been prepared, signed, and sealed by a surveyor. This appendix consists of a Plan of Survey for the Phase One Property.





Scale 1 : 250  
 0 5 10 Meters

**Metric**  
 DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

**Surveyor's Certificate**  
 I CERTIFY THAT:  
 1. This survey and plan are correct and in accordance with the Survey Act and the Land Title Act and the regulations made under them.  
 2. The survey was completed on the 29th day of January, 2019.

January 29, 2019  
 Date  
 Richard R. Gauthier  
 Ontario Land Surveyor

**PART 2**  
 THIS PLAN MUST BE READ IN CONJUNCTION WITH SURVEY REPORT DATED... January 25, 2019

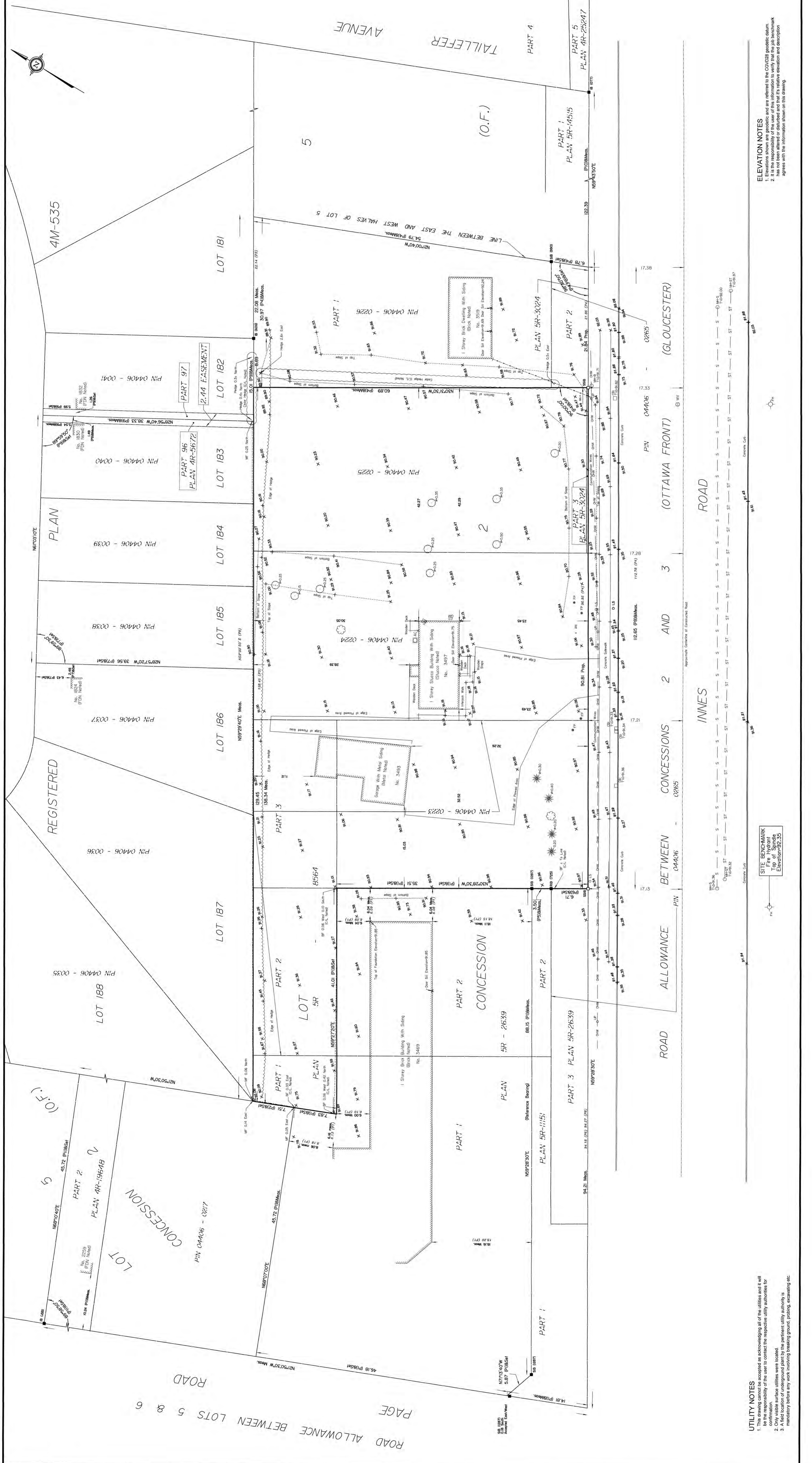
ANNIS, O'SULLIVAN, VOLLEBAKK LTD. (A.S.P.)  
 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

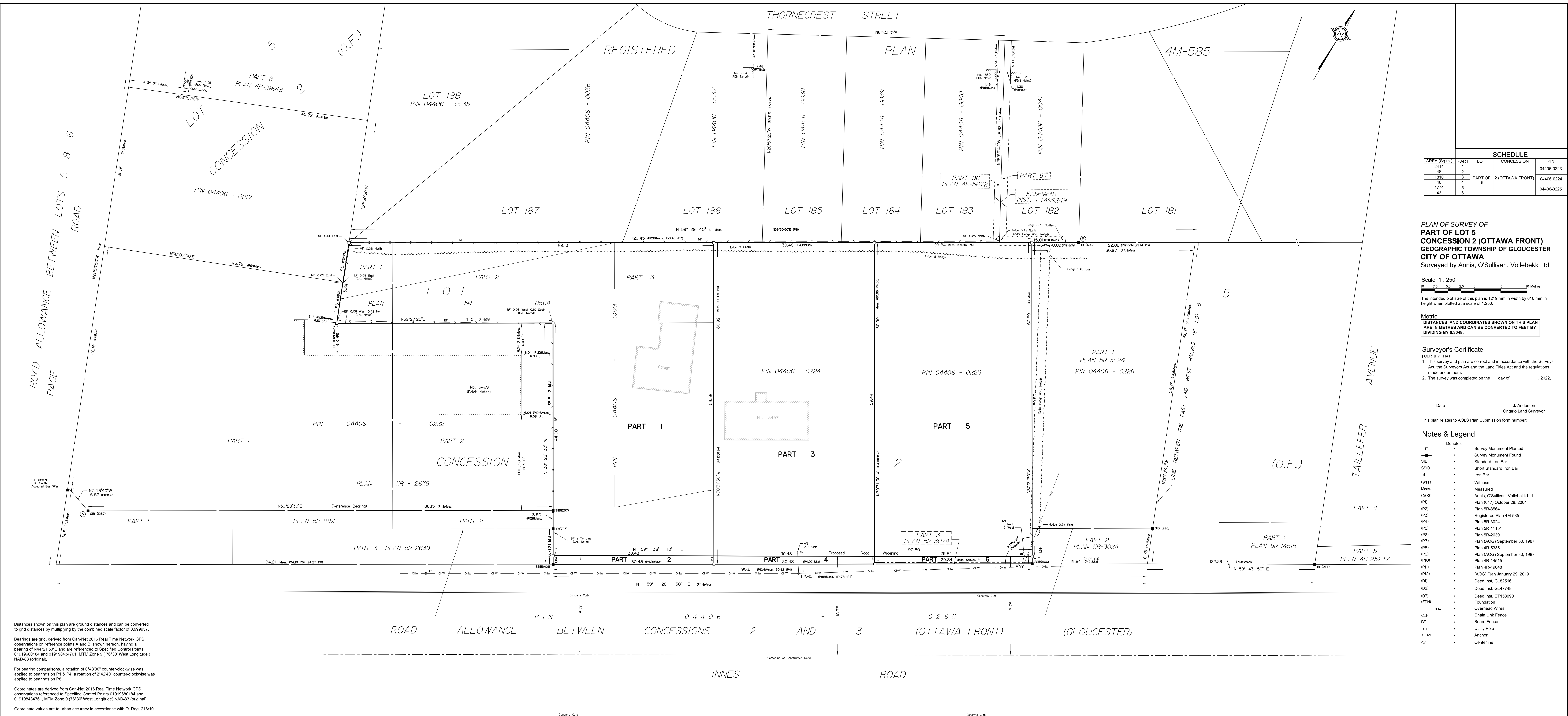
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 --- Discontinuity  
 --- Survey Monument Placed  
 --- Standard Iron Bar  
 --- Short Standard Iron Bar  
 --- Iron Bar  
 --- Cut Cross  
 --- Concrete Pin  
 --- Round Iron Bar  
 --- Spike & Washer  
 --- Short Standard Iron Bar  
 --- Brass  
 --- White  
 --- Measured  
 --- Annis, O'Sullivan, Vollebakk Ltd.  
 --- Plan (847) October 28, 2004  
 --- Registered Plan 4M-555  
 --- Plan SR-3024  
 --- Plan SR-1151  
 --- Plan SR-3024  
 --- Plan (A03) September 30, 1987  
 --- Plan (A03) September 30, 1987  
 --- Plan AR-14515  
 --- Plan AR-19648  
 --- Foundation  
 --- Deciduous Tree  
 --- Coniferous Tree  
 --- Fire Hydrant  
 --- Water Valve  
 --- Valve  
 --- Maintenance Hole (Storm Sewer)  
 --- Manhole  
 --- Maintenance Hole (Bell Telephone)  
 --- Underground Storm Sewer  
 --- Underground Sanitary Sewer  
 --- Underground Water  
 --- Underground Gas  
 --- Overhead Wire  
 --- Catch Basin  
 --- Gas Meter  
 --- Sign  
 --- Light Pole  
 --- Board Fence  
 --- Metal Fence  
 --- Masonry  
 --- Utility Pole  
 --- Anchor  
 --- Flag Pole  
 --- Light Standard  
 --- Air Conditioner  
 --- Location of Elevation  
 --- Top of Concrete Curb Elevation  
 --- Concrete Curb Elevation  
 --- Property Line

BEARINGS AND GRID BEARINGS DERIVED FROM CAN-NAD 2011 REAL TIME GPS OBSERVATIONS AND ARE REFERRED TO THE CENTRAL MERIDIAN OF NAD 83 (1983) DATUM. THE GRID BEARING SYSTEM IS THE 1983 DATUM GRID BEARING SYSTEM. THE GRID BEARING SYSTEM IS THE 1983 DATUM GRID BEARING SYSTEM. THE GRID BEARING SYSTEM IS THE 1983 DATUM GRID BEARING SYSTEM.

**ELEVATION NOTES**  
 1. Elevations shown are geoidic and are referred to the CGVD08 geoidic datum.  
 2. The elevations were measured by differential GPS using a Leica GS16 GNSS receiver and a Leica GS16 GNSS receiver. The elevations were measured by differential GPS using a Leica GS16 GNSS receiver and a Leica GS16 GNSS receiver.

**UTILITY NOTES**  
 1. This drawing cannot be accepted as acknowledging all of the utilities and I will not be responsible for the user to contact the respective utility authorities for any other utility not shown.  
 2. Only visible surface utilities were located.  
 3. A field location of underground utility authority is mandatory before any work involving breaking ground, probing, excavating, etc.





| SCHEDULE     |      |     |            |            |
|--------------|------|-----|------------|------------|
| AREA (Sq.m.) | PART | LOT | CONCESSION | PIN        |
| 2414         | 1    |     |            | 04406-0223 |
| 48           | 2    |     |            |            |
| 1810         | 3    |     |            | 04406-0224 |
| 48           | 4    |     |            |            |
| 1774         | 5    |     |            | 04406-0225 |
| 43           | 6    |     |            |            |

PLAN OF SURVEY OF  
**PART OF LOT 5**  
**CONCESSION 2 (OTTAWA FRONT)**  
 GEOGRAPHIC TOWNSHIP OF GLOUCESTER  
 CITY OF OTTAWA  
 Surveyed by Annis, O'Sullivan, Vollebek Ltd.

Scale 1 : 250  
 0 2.5 5 7.5 10 Metres  
 The intended plot size of this plan is 1219 mm in width by 610 mm in height when plotted at a scale of 1:250.

Metric  
 DISTANCES AND COORDINATES SHOWN ON THIS PLAN  
 ARE IN METRES AND CAN BE CONVERTED TO FEET BY  
 DIVIDING BY 0.3048.

Surveyor's Certificate  
 I CERTIFY THAT:  
 1. This survey and plan are correct and in accordance with the Surveys Act, the Surveyors Act and the Land Titles Act and the regulations made under them.  
 2. The survey was completed on the \_\_\_ day of \_\_\_\_\_, 2022.

Date \_\_\_\_\_  
 J. Anderson  
 Ontario Land Surveyor

This plan relates to AOLS Plan Submission form number: \_\_\_\_\_

- Notes & Legend**
- Denotes
  - +— Survey Monument Planted
  - +— Survey Monument Found
  - SIB — Standard Iron Bar
  - SSIB — Short Standard Iron Bar
  - IB — Iron Bar
  - (WIT) — Witness
  - Meas. — Measured
  - (AOG) — Annis, O'Sullivan, Vollebek Ltd.
  - (P1) — Plan (647) October 28, 2004
  - (P2) — Plan SR-8564
  - (P3) — Registered Plan 4M-585
  - (P4) — Plan SR-3024
  - (P5) — Plan SR-11151
  - (P6) — Plan SR-2639
  - (P7) — Plan (AOG) September 30, 1987
  - (P8) — Plan 4R-5335
  - (P9) — Plan (AOG) September 30, 1987
  - (P10) — Plan 4R-14515
  - (P11) — Plan 4R-19648
  - (P12) — (AOG) Plan January 29, 2019
  - (D1) — Deed Inst. GL82516
  - (D2) — Deed Inst. GL47748
  - (D3) — Deed Inst. CT153090
  - (FND) — Foundation
  - +— Overhead Wires
  - CLF — Chain Link Fence
  - BF — Board Fence
  - UP — Utility Pole
  - AN — Anchor
  - CL — Centerline

Distances shown on this plan are ground distances and can be converted to grid distances by multiplying by the combined scale factor of 0.999957.

Bearings are grid, derived from Can-Net 2016 Real Time Network GPS observations on reference points A and B, shown hereon, having a bearing of N44°21'50"E and are referenced to Specified Control Points 01919680184 and 019198434761, MTM Zone 9 (76°30' West Longitude) NAD-83 (original).

For bearing comparisons, a rotation of 0°43'30" counter-clockwise was applied to bearings on P1 & P4, a rotation of 2°42'40" counter-clockwise was applied to bearings on P8.

Coordinates are derived from Can-Net 2016 Real Time Network GPS observations referenced to Specified Control Points 01919680184 and 019198434761, MTM Zone 9 (76°30' West Longitude) NAD-83 (original).

Coordinate values are to urban accuracy in accordance with O. Reg. 216/10.

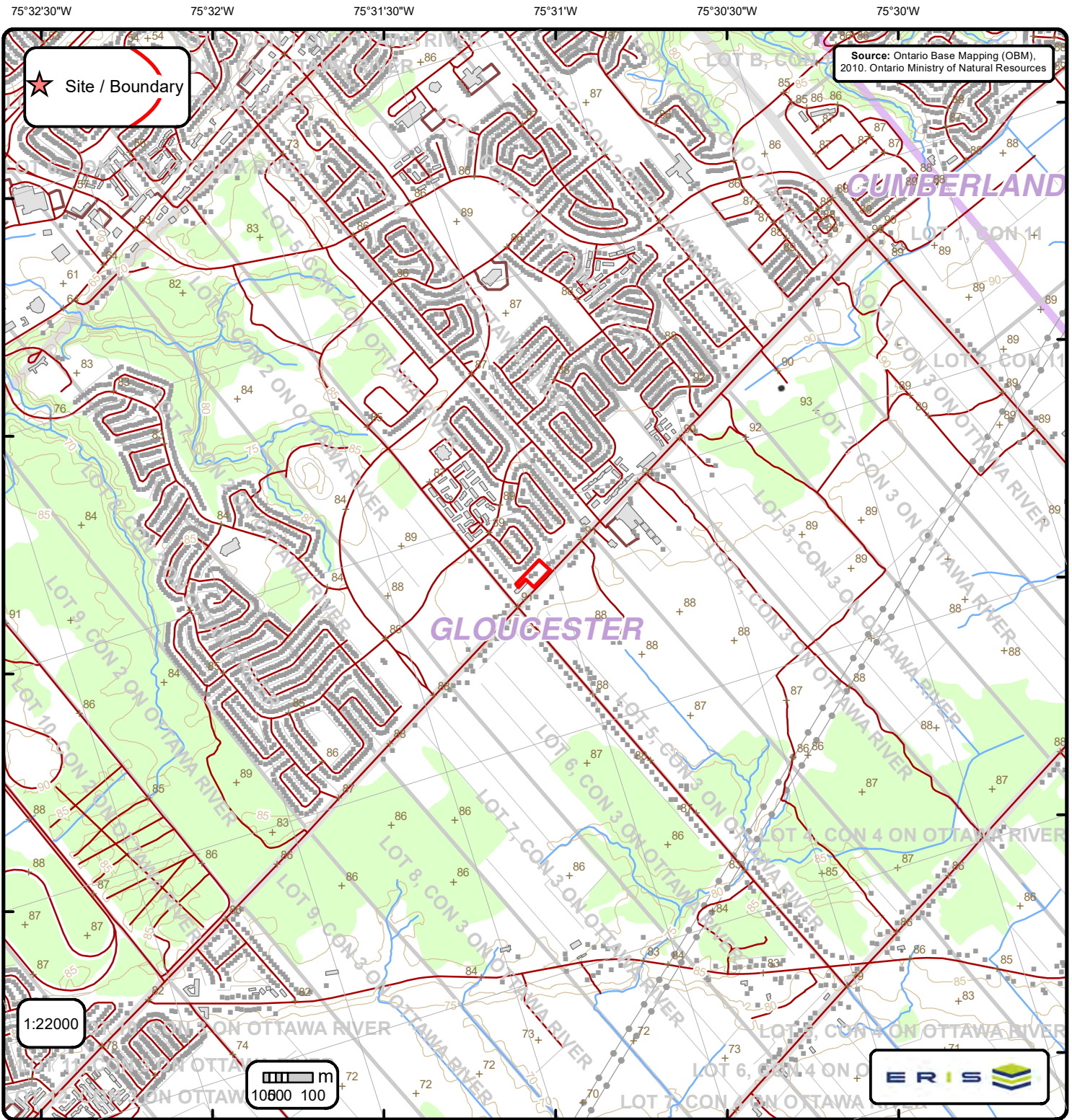
|               |          |            |         |           |
|---------------|----------|------------|---------|-----------|
| .01919680184  | Northing | 5040610.16 | Easting | 384736.56 |
| .019198434761 | Northing | 5036178.12 | Easting | 372436.11 |
| .Point A      | Northing | 5034566.31 | Easting | 380890.46 |
| .Point B      | Northing | 5034705.39 | Easting | 381026.50 |

Caution: Coordinates shown, in themselves, be used to re-establish corners or boundaries shown on this plan.

## 10.2 TOPOGRAPHIC MAP OF THE PHASE ONE STUDY AREA

As required by O. Reg. 153/04, this appendix consists of a topographic map (Ontario Base Map series) that includes the Phase One Study Area.





## Ontario Base Mapping (OBM) Data

Order No. 22102100112

|                       |                            |                  |                          |
|-----------------------|----------------------------|------------------|--------------------------|
| + Spot Height (metre) | — Transportation Structure | — Contour Line   | Wooded Area              |
| ■ Building Point      | ● Utility Line             | ▭ Pit or Quarry  | ▭ Conservation Authority |
| ⊕ Towers              | — Water Structure          | ▭ Waterbody      | ▭ Conservation Area      |
| ● Utility Site Point  | — Drainage Line Feature    | ▭ Wetlands       | ▭ Municipal Park         |
| — Misc. Line          | — River or Stream          | ▭ Concession     | ▭ Provincial Park        |
| — Railroads           | ▭ Airports                 | ▭ Lots           | ▭ National Park          |
| — Roads               | ■ Tanks                    | ▭ Municipality   | ▭ Nature Reserve         |
| - - - Trail           | ▭ Building to Scale        | ▭ Land Ownership |                          |

### 10.3 ENVIRONMENTAL SOURCE INFORMATION

This appendix includes the following environmental source information:

- A report describing federal, provincial and private database records for the Phase One Property and Phase One Study Area, conducted by Environmental Risk Information Services (ERIS);
- Correspondence with the Ministry of the Environment, Conservation and Parks, the Technical Standards and Safety Authority and the City of Ottawa; and
- Copies of previous environmental work completed at the Phase One Property.





# CITY DIRECTORY

**Project Property:** *3493 and 3497 Innes Road, Orleans, Ontario*  
**Report Type:** *City Directory*  
**Order No:** *20200526116*  
**Information Source:** *Vernon's Ottawa & Area, Ontario Criss Cross Directory*  
**Date Completed:** *28/05/2020*

|   |
|---|
| <b>City Directory Information Source</b>              |
| Vernon's Ottawa & Area, Ontario Criss Cross Directory |

|                                    |  |
|------------------------------------|--|
| <b>PROJECT NUMBER:</b> 20200526116 |  |
| <b>Site Address:</b>               | 3493 and 3497 Innes Road, Orleans, Ontario   |
|                                    |  |
| <b>Year:</b> 2011                  |  |
|                                    |  |
| <b>Site Listing:</b>               | 3493 – Not Individually Indicated Within Coverage<br>3497 – Not Individually Indicated Within Coverage   |
|                                    |  |
| <b>Adjacent Properties:</b>        |  |
|                                    |  |
| <b>Innes Road (3390-3530)</b>      | -All Residential<br>3469-Ultramar Ltd<br>-Kouri Shaheen<br>-Pronto Food Marts<br>-Innes Road Animal Hospital<br>-Lynn Novak Flowers<br>-Brian Johnson Agent<br>-Co-Operators<br>-Orleans Dry Cleaners<br>-Sweetheart Rose Ltd<br>-Can DO Cash<br>3484-State Farm Insurance<br>3490-Innes Road Golfland |

|                              |   |
|------------------------------|---|
|                              | -Sean's Snack Shack   |
|                              |   |
| <b>Page Road (2240-2410)</b> | -All Residential<br>2310-Susan Bablitz Dentistry<br>2360-Action Towing<br>-Action Orleans Towing<br>2381-Andre Charon Painting and Decorating Inc<br>2384-Guy TV Repairs<br>2405-J & M Auto Service |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER:</b> 20200526116 |   |
| <b>Site Address:</b>               | 3493 and 3497 Innes Road, Orleans, Ontario  |
|                                    |   |
| <b>Year:</b> 2006/07               |   |
|                                    |   |
| <b>Site Listing:</b>               | 3493 – Not Individually Indicated Within Coverage<br>3497 – Not Individually Indicated Within Coverage                      |
|                                    |   |
| <b>Adjacent Properties:</b>        |   |
|                                    |   |
| <b>Innes Road (3390-3530)</b>      | -All Residential<br>3469-Kouri Shaheen<br>-Gabriel Pizza<br>-Innes Road Animal Hospital<br>-Sweet Rose Ltd<br>-Co-Operators |



|                              |  |
|------------------------------|--|
|                              | <p>-Orleans Dry Cleaners</p> <p>3490-Innes Road Golfland</p> <p>-Sean's Snack Shack</p> <p>3499-Gerard Gauthier Construction</p> <p>3519-Chattan Insulation Inc</p>  |
|                              |  |
| <b>Page Road (2240-2410)</b> | <p>-All Residential</p> <p>3469-Ultramar Ltd</p> <p>-Kouri Shaheen</p> <p>-Pronto Food Marts</p> <p>-Innes Road Animal Hospital</p> <p>-Lynn Novak Flowers</p> <p>-Brian Johnson Agent</p> <p>-Co-Operators</p> <p>-Orleans Dry Cleaners</p> <p>-Sweetheart Rose Ltd</p> <p>-Can DO Cash</p> <p>3484-State Farm Insurance</p> <p>3490-Innes Road Golfland</p> <p>-Sean's Snack Shack</p> <p>-All Residential</p> <p>2360-Action Towing</p> <p>-Orleans Blvd Towing &amp; Recycling</p> <p>2381-Andre Charon Painting and Decorating Inc</p> <p>2405-J &amp; M Auto Service</p> |

|                                    |  |
|------------------------------------|--|
| <b>PROJECT NUMBER:</b> 20200526116 |  |
| <b>Site Address:</b>               | 3493 and 3497 Innes Road, Orleans, Ontario   |
|                                    |  |
| <b>Year:</b> 2001/02               |  |
|                                    |  |
| <b>Site Listing:</b>               | 3493 – Not Individually Indicated Within Coverage<br>3497 – Not Individually Indicated Within Coverage   |
|                                    |  |
| <b>Adjacent Properties:</b>        |  |
|                                    |  |
| <b>Innes Road (3390-3530)</b>      | -All Residential<br><br>3442-Innes Kitchen & Bath<br><br>3469-Kouri Shaheen<br><br>-Gabriel Pizza<br><br>-Innes Veterinary Clinic<br><br>-Sweet Rose Ltd<br><br>-Brewmasters Club Maitres-Brasseurs<br><br>3499-Gerard Gauthier Construction |
|                                    |  |
| <b>Page Road (2240-2410)</b>       | -All Residential<br><br>2360-Action Towing<br><br>-Orleans Blvd Towing & Recycling<br><br>2405-J & M Auto Service  |

|                                    |  |
|------------------------------------|--|
| <b>PROJECT NUMBER:</b> 20200526116 |  |
| <b>Site Address:</b>               | 3493 and 3497 Innes Road, Orleans, Ontario |

|                               |   |
|-------------------------------|---|
|                               |   |
| <b>Year: 1996/97</b>          |   |
|                               |   |
| <b>Site Listing:</b>          | 3493 – Not Individually Indicated Within Coverage<br>3497 – Not Individually Indicated Within Coverage  |
|                               |   |
| <b>Adjacent Properties:</b>   |   |
|                               |   |
| <b>Innes Road (3390-3530)</b> | -All Residential<br><br>3442-Innes Kitchen & Bath<br><br>3469-Kouri Shaheen<br><br>-Innes Veterinary Clinic<br><br>-Sweet Rose Ltd<br><br>-Brewmasters Club Maitres-Brasseurs<br><br>3490-Bad Dawg Batting Cages<br><br>3499-Gerard Gauthier Construction |
|                               |   |
| <b>Page Road (2240-2410)</b>  | -All Residential<br><br>2360-Action Towing<br><br>2381-Andres Charon Painting & Decorating<br><br>2405-J & M Auto Service   |

|                                    |  |
|------------------------------------|--|
| <b>PROJECT NUMBER: 20200526116</b> |  |
| <b>Site Address:</b>               | 3493 and 3497 Innes Road, Orleans, Ontario |
|                                    |  |
| <b>Year: 1992</b>                  |  |

|                               |   |
|-------------------------------|---|
|                               |   |
| <b>Site Listing:</b>          | 3493 – Not Individually Indicated Within Coverage<br>3497 – Not Individually Indicated Within Coverage  |
|                               |   |
| <b>Adjacent Properties:</b>   |   |
|                               |   |
| <b>Innes Road (3390-3530)</b> | -All Residential<br>3442-Innes Kitchen & Bath<br>3469-Heavenly Pastries<br>-Innes Veterinary Clinic<br>3484-Diamond Dust Lighting Garden Centre<br>-Murphy J Landscape & Design Ltd<br>-Summer Rain Irrigation<br>3490-Orleans Berryland<br>3499-Gerard Gauthier Construction |
|                               |   |
| <b>Page Road (2240-2410)</b>  | -No Listings Within Radius  |

|                                    |  |
|------------------------------------|--|
| <b>PROJECT NUMBER:</b> 20200526116 |  |
| <b>Site Address:</b>               | 3493 and 3497 Innes Road, Orleans, Ontario   |
|                                    |  |
| <b>Year:</b> 1992                  |  |
|                                    |  |
| <b>Site Listing:</b>               | 3493 – Not Individually Indicated Within Coverage<br>3497 – Not Individually Indicated Within Coverage |
|                                    |  |

|                               |   |
|-------------------------------|---|
| <b>Adjacent Properties:</b>   |   |
|                               |   |
| <b>Innes Road (3390-3530)</b> | -All Residential<br>3442-Innes Kitchen & Bath<br>3469-Heavenly Pastries<br>-Innes Veterinary Clinic<br>3484-Diamond Dust Lighting Garden Centre<br>-Murphy J Landscape & Design Ltd<br>-Summer Rain Irrigation<br>3490-Orleans Berryland<br>3499-Gerard Gauthier Construction |
|                               |   |
| <b>Page Road (2240-2410)</b>  | -No Listings Within Radius  |

***\*\*Orleans, Ontario is listed from 1992 to 2011 within the City Directory Archives\*\****

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory.



---

# DATABASE REPORT

**Project Property:** *Gestion Frami Phase One ESA  
3493, 3497, and 3499 Innes Road  
Ottawa ON K1C 1T1*

**Project No:** *230028*

**Report Type:** *RSC Report (Urban)*

**Order No:** *22102100112*

**Requested by:** *BluMetric Environmental Inc.*

**Date Completed:** *October 26, 2022*

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# Executive Summary

## **Property Information:**

**Project Property:** *Gestion Frami Phase One ESA  
3493, 3497, and 3499 Innes Road Ottawa ON K1C 1T1*

**Project No:** 230028

## **Order Information:**

**Order No:** 22102100112  
**Date Requested:** October 21, 2022  
**Requested by:** *BluMetric Environmental Inc.*  
**Report Type:** *RSC Report (Urban)*

## **Historical/Products:**

**ERIS Xplorer** [ERIS Xplorer](#)  
**Topographic Map** *RSC Maps*



## Executive Summary: Report Summary

| <i>Database</i> | <i>Name</i>  | <i>Searched</i> | <i>Project Property</i> | <i>Boundary to 0.30km</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                       | 3                         | 3            |
| BORE            | <i>Borehole</i>  | Y               | 0                       | 11                        | 11           |
| CA              | <i>Certificates of Approval</i>  | Y               | 0                       | 8                         | 8            |
| CDRY            | <i>Dry Cleaning Facilities</i>   | Y               | 0                       | 0                         | 0            |
| CFOT            | <i>Commercial Fuel Oil Tanks</i>   | Y               | 0                       | 1                         | 1            |
| 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                       | 6                         | 6            |
| EASR            | <i>Environmental Activity and Sector Registry</i>                        | Y               | 0                       | 2                         | 2            |
| EBR             | <i>Environmental Registry</i>  | Y               | 0                       | 0                         | 0            |
| ECA             | <i>Environmental Compliance Approval</i>                                 | Y               | 0                       | 4                         | 4            |
| EEM             | <i>Environmental Effects Monitoring</i>                                  | Y               | 0                       | 0                         | 0            |
| EHS             | <i>ERIS Historical Searches</i>  | Y               | 2                       | 19                        | 21           |
| 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                       | 5                         | 5            |
| FSTH            | <i>Fuel Storage Tank - Historic</i>                                      | Y               | 0                       | 2                         | 2            |
| GEN             | <i>Ontario Regulation 347 Waste Generators Summary</i>                   | Y               | 0                       | 20                        | 20           |
| 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 0.30km</b> | <b>Total</b> |
|-----------------|---|-----------------|-------------------------|---------------------------|--------------|
| IAFT            | Indian & Northern Affairs Fuel Tanks                          | Y               | 0                       | 0                         | 0            |
| INC             | Fuel Oil Spills and Leaks                                     | Y               | 0                       | 0                         | 0            |
| LIMO            | Landfill Inventory Management Ontario                         | Y               | 0                       | 0                         | 0            |
| MINE            | Canadian Mine Locations                                       | Y               | 0                       | 0                         | 0            |
| MNR             | Mineral Occurrences   | Y               | 0                       | 0                         | 0            |
| NATE            | National Analysis of Trends in Emergencies System (NATES)     | Y               | 0                       | 0                         | 0            |
| NCPL            | Non-Compliance Reports  | Y               | 0                       | 0                         | 0            |
| NDFT            | National Defense & Canadian Forces Fuel Tanks                 | Y               | 0                       | 0                         | 0            |
| NDSP            | National Defense & Canadian Forces Spills                     | Y               | 0                       | 0                         | 0            |
| NDWD            | National Defence & Canadian Forces Waste Disposal Sites       | Y               | 0                       | 0                         | 0            |
| NEBI            | National Energy Board Pipeline Incidents                      | Y               | 0                       | 0                         | 0            |
| NEBP            | National Energy Board Wells                                   | Y               | 0                       | 0                         | 0            |
| NEES            | National Environmental Emergencies System (NEES)              | Y               | 0                       | 0                         | 0            |
| NPCB            | National PCB Inventory  | Y               | 0                       | 0                         | 0            |
| NPRI            | National Pollutant Release Inventory                          | Y               | 0                       | 0                         | 0            |
| OGWE            | Oil and Gas Wells   | Y               | 0                       | 0                         | 0            |
| OOGW            | Ontario Oil and Gas Wells                                     | Y               | 0                       | 0                         | 0            |
| OPCB            | Inventory of PCB Storage Sites                                | Y               | 0                       | 0                         | 0            |
| ORD             | Orders  | Y               | 0                       | 0                         | 0            |
| PAP             | Canadian Pulp and Paper                                       | Y               | 0                       | 0                         | 0            |
| PCFT            | Parks Canada Fuel Storage Tanks                               | Y               | 0                       | 0                         | 0            |
| PES             | Pesticide Register  | Y               | 0                       | 1                         | 1            |
| PINC            | Pipeline Incidents  | Y               | 0                       | 2                         | 2            |
| PRT             | Private and Retail Fuel Storage Tanks                         | Y               | 0                       | 2                         | 2            |
| PTTW            | Permit to Take Water  | Y               | 0                       | 0                         | 0            |
| REC             | Ontario Regulation 347 Waste Receivers Summary                | Y               | 0                       | 0                         | 0            |
| RSC             | Record of Site Condition                                      | Y               | 0                       | 2                         | 2            |
| RST             | Retail Fuel Storage Tanks                                     | Y               | 0                       | 0                         | 0            |
| SCT             | Scott's Manufacturing Directory                               | Y               | 0                       | 1                         | 1            |
| SPL             | Ontario Spills  | Y               | 0                       | 4                         | 4            |
| SRDS            | Wastewater Discharger Registration Database                   | Y               | 0                       | 0                         | 0            |
| TANK            | Anderson's Storage Tanks                                      | Y               | 0                       | 0                         | 0            |
| TCFT            | Transport Canada Fuel Storage Tanks                           | Y               | 0                       | 0                         | 0            |
| VAR             | Variances for Abandonment of Underground Storage Tanks        | Y               | 0                       | 0                         | 0            |
| WDS             | Waste Disposal Sites - MOE CA Inventory                       | Y               | 0                       | 0                         | 0            |
| WDSH            | Waste Disposal Sites - MOE 1991 Historical Approval Inventory | Y               | 0                       | 0                         | 0            |
| WWIS            | Water Well Information System                                 | Y               | 4                       | 47                        | 51           |
| <b>Total:</b>   |   |                 | 6                       | 140                       | 146          |

## 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="#"><u>1</u></a> | EHS       |                          | 3493 and 3497 Innes road<br>Orléans ON K1C 1T1                          | WSW/0.0             | 0.00                 | <a href="#"><u>38</u></a> |
| <a href="#"><u>1</u></a> | EHS       |                          | 3493 and 3497 Innes road<br>Orléans ON K1C 1T1                          | WSW/0.0             | 0.00                 | <a href="#"><u>38</u></a> |
| <a href="#"><u>2</u></a> | WWIS      |                          | lot 5 con 2<br>ON<br><br><i>Well ID:</i> 1501218                        | SSE/0.0             | 0.00                 | <a href="#"><u>38</u></a> |
| <a href="#"><u>3</u></a> | WWIS      |                          | lot 5 con 2<br>ON<br><br><i>Well ID:</i> 1501219                        | E/0.0               | 0.00                 | <a href="#"><u>41</u></a> |
| <a href="#"><u>4</u></a> | WWIS      |                          | 3493 Innes rd lot 5 con 2<br>Ottawa ON<br><br><i>Well ID:</i> 7365221   | SW/0.0              | 0.00                 | <a href="#"><u>43</u></a> |
| <a href="#"><u>5</u></a> | WWIS      |                          | 3493 Innes road lot 5 con 2<br>Ottawa ON<br><br><i>Well ID:</i> 7365220 | WSW/0.0             | 1.17                 | <a href="#"><u>47</u></a> |

## Executive Summary: Site Report Summary - Surrounding Properties

| <b>Map Key</b>    | <b>DB</b> | <b>Company/Site Name</b>                   | <b>Address</b>   | <b>Dir/Dist (m)</b> | <b>Elev Diff (m)</b> | <b>Page Number</b> |
|-------------------|-----------|--|--|---------------------|----------------------|--------------------|
| <a href="#">6</a> | WWIS      |  | lot 5 con 2<br>ON<br><b>Well ID:</b> 1501229   | WSW/8.8             | 1.00                 | <a href="#">50</a> |
| <a href="#">7</a> | WWIS      |  | lot 5 con 2<br>ON<br><b>Well ID:</b> 1510714   | WSW/18.2            | 1.00                 | <a href="#">53</a> |
| <a href="#">8</a> | WWIS      |  | lot 5 con 2<br>ON<br><b>Well ID:</b> 1510715   | W/23.6              | 1.00                 | <a href="#">56</a> |
| <a href="#">9</a> | PRT       | 977998 ONTARIO LTD                         | 3469 INNES RD<br>GLOUCESTER ON K1C1T1  | WSW/24.9            | 1.00                 | <a href="#">59</a> |
| <a href="#">9</a> | PRT       | 977998 ONTARIO LTD                         | 3469 INNES RD<br>GLOUCESTER ON K1C1T1  | WSW/24.9            | 1.00                 | <a href="#">59</a> |
| <a href="#">9</a> | SPL       | CANADIAN WASTE SERVICES                    | BEHIND 3469 INNES ROAD. MOTOR<br>VEHICLE (OPERATING FLUID)<br>OTTAWA CITY ON K1C 1T1 | WSW/24.9            | 1.00                 | <a href="#">59</a> |
| <a href="#">9</a> | GEN       | INNES VETERNIARY CLINIC<br>21-555          | 3469 INNES ROAD, BAY NO. 7<br>GLOUCESTER ON K1C 1T1                                  | WSW/24.9            | 1.00                 | <a href="#">60</a> |
| <a href="#">9</a> | GEN       | INNES VETERNIARY CLINIC                    | 3469 INNES ROAD BAY NO. 7<br>GLOUCESTER ON K1C 1T1                                   | WSW/24.9            | 1.00                 | <a href="#">60</a> |
| <a href="#">9</a> | GEN       | INNES VETERNIARY CLINIC                    | 3469 INNES ROAD<br>OTTAWA ON K1C 1T1   | WSW/24.9            | 1.00                 | <a href="#">60</a> |
| <a href="#">9</a> | FSTH      | 977998 ONTARIO LTD C/O<br>PRONTO FOOD MART | 3469 INNES RD RR 2<br>ORLEANS ON K1C 1T1   | WSW/24.9            | 1.00                 | <a href="#">61</a> |
| <a href="#">9</a> | FSTH      | 977998 ONTARIO LTD C/O<br>PRONTO FOOD MART | 3469 INNES RD RR 2<br>ORLEANS ON K1C 1T1   | WSW/24.9            | 1.00                 | <a href="#">61</a> |
| <a href="#">9</a> | SPL       |  | 3469 Innes Road<br>Ottawa ON K1C 1T1   | WSW/24.9            | 1.00                 | <a href="#">62</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="#"><u>9</u></a> | GEN       | INNES ROAD ANIMAL HOSPITAL | 3469 INNES ROAD<br>OTTAWA ON K1C 1T1              | WSW/24.9            | 1.00                 | <a href="#"><u>62</u></a> |
| <a href="#"><u>9</u></a> | GEN       | INNES ROAD ANIMAL HOSPITAL | 3469 INNES ROAD<br>OTTAWA ON K1C 1T1              | WSW/24.9            | 1.00                 | <a href="#"><u>62</u></a> |
| <a href="#"><u>9</u></a> | GEN       | INNES ROAD ANIMAL HOSPITAL | 3469 INNES ROAD<br>OTTAWA ON K1C 1T1              | WSW/24.9            | 1.00                 | <a href="#"><u>63</u></a> |
| <a href="#"><u>9</u></a> | FST       | 2339401 ONTARIO INC        | 3469 INNES RD RR 2 ORLÉANS K1C 1T1<br>ON CA<br>ON | WSW/24.9            | 1.00                 | <a href="#"><u>63</u></a> |
| <a href="#"><u>9</u></a> | FST       | 2339401 ONTARIO INC        | 3469 INNES RD RR 2 ORLÉANS K1C 1T1<br>ON CA<br>ON | WSW/24.9            | 1.00                 | <a href="#"><u>63</u></a> |
| <a href="#"><u>9</u></a> | FST       | 2339401 ONTARIO INC        | 3469 INNES RD RR 2 ORLÉANS K1C 1T1<br>ON CA<br>ON | WSW/24.9            | 1.00                 | <a href="#"><u>64</u></a> |
| <a href="#"><u>9</u></a> | GEN       | INNES ROAD ANIMAL HOSPITAL | 3469 INNES ROAD<br>OTTAWA ON K1C 1T1              | WSW/24.9            | 1.00                 | <a href="#"><u>64</u></a> |
| <a href="#"><u>9</u></a> | GEN       | INNES ROAD ANIMAL HOSPITAL | 3469 INNES ROAD<br>OTTAWA ON                      | WSW/24.9            | 1.00                 | <a href="#"><u>65</u></a> |
| <a href="#"><u>9</u></a> | FST       | 2339401 ONTARIO INC        | 3469 INNES RD RR 2 ORLÉANS K1C 1T1<br>ON CA<br>ON | WSW/24.9            | 1.00                 | <a href="#"><u>65</u></a> |
| <a href="#"><u>9</u></a> | FST       | 2339401 ONTARIO INC        | 3469 INNES RD RR 2 ORLÉANS K1C 1T1<br>ON CA<br>ON | WSW/24.9            | 1.00                 | <a href="#"><u>65</u></a> |
| <a href="#"><u>9</u></a> | GEN       | INNES ROAD ANIMAL HOSPITAL | 3469 INNES ROAD<br>OTTAWA ON K1C 1T1              | WSW/24.9            | 1.00                 | <a href="#"><u>66</u></a> |
| <a href="#"><u>9</u></a> | GEN       | INNES ROAD ANIMAL HOSPITAL | 3469 INNES ROAD<br>OTTAWA ON K1C 1T1              | WSW/24.9            | 1.00                 | <a href="#"><u>66</u></a> |

| <b>Map Key</b>     | <b>DB</b> | <b>Company/Site Name</b>         | <b>Address</b>                                    | <b>Dir/Dist (m)</b> | <b>Elev Diff (m)</b> | <b>Page Number</b> |
|--------------------|-----------|----------------------------------|---|---------------------|----------------------|--------------------|
| <a href="#">9</a>  | GEN       | INNES ROAD ANIMAL HOSPITAL       | 3469 INNES ROAD<br>OTTAWA ON K1C 1T1              | WSW/24.9            | 1.00                 | <a href="#">66</a> |
| <a href="#">9</a>  | GEN       | INNES ROAD ANIMAL HOSPITAL       | 3469 INNES ROAD<br>OTTAWA ON K1C 1T1              | WSW/24.9            | 1.00                 | <a href="#">67</a> |
| <a href="#">9</a>  | GEN       | INNES ROAD ANIMAL HOSPITAL       | 3469 INNES ROAD<br>OTTAWA ON K1C 1T1              | WSW/24.9            | 1.00                 | <a href="#">67</a> |
| <a href="#">9</a>  | DTNK      | 2339401 ONTARIO INC              | 3469 INNES RD RR 2 ORLEANS K1C 1T1<br>ON CA<br>ON | WSW/24.9            | 1.00                 | <a href="#">67</a> |
| <a href="#">9</a>  | DTNK      | 2339401 ONTARIO INC              | 3469 INNES RD RR 2 ORLEANS K1C 1T1<br>ON CA<br>ON | WSW/24.9            | 1.00                 | <a href="#">68</a> |
| <a href="#">9</a>  | DTNK      | 2339401 ONTARIO INC              | 3469 INNES RD RR 2 ORLEANS K1C 1T1<br>ON CA<br>ON | WSW/24.9            | 1.00                 | <a href="#">69</a> |
| <a href="#">9</a>  | DTNK      |                                  | 3469 INNES RD<br>GLOUCESTER ON K1C 1T1            | WSW/24.9            | 1.00                 | <a href="#">69</a> |
| <a href="#">9</a>  | GEN       | INNES ROAD ANIMAL HOSPITAL       | 3469 INNES ROAD<br>OTTAWA ON K1C 1T1              | WSW/24.9            | 1.00                 | <a href="#">70</a> |
| <a href="#">9</a>  | GEN       | INNES ROAD ANIMAL HOSPITAL       | 3469 INNES ROAD<br>OTTAWA ON K1C 1T1              | WSW/24.9            | 1.00                 | <a href="#">70</a> |
| <a href="#">10</a> | ECA       | Caivan (Orleans Village) Limited | 3490 Innes Rd<br>Ottawa ON K2H 1B2                | SE/31.9             | 0.00                 | <a href="#">70</a> |
| <a href="#">10</a> | EASR      | TAGGART CONSTRUCTION LIMITED     | 3490 Innes RD<br>Orleans ON K1C 1T1               | SE/31.9             | 0.00                 | <a href="#">71</a> |
| <a href="#">10</a> | ECA       | Caivan (Orleans Village) Limited | 3490 Innes Rd<br>Ottawa ON K2H 1B2                | SE/31.9             | 0.00                 | <a href="#">71</a> |
| <a href="#">11</a> | BORE      |                                  | ON  | SW/34.3             | 0.00                 | <a href="#">71</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> |
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| <a href="#">12</a> | WWIS      |   | lot 5 con 2<br>ON<br><b>Well ID:</b> 1501220         | SW/34.4             | 0.00                 | <a href="#">72</a> |
| <a href="#">13</a> | BORE      |   | ON   | ENE/48.0            | 0.00                 | <a href="#">74</a> |
| <a href="#">14</a> | WWIS      |   | lot 5 con 2<br>ON<br><b>Well ID:</b> 1501224         | ENE/51.3            | 0.00                 | <a href="#">76</a> |
| <a href="#">15</a> | EHS       |   | PE4288 - 3484 Innes Road<br>Orléans ON K1C 1T1       | SSW/54.6            | 0.00                 | <a href="#">78</a> |
| <a href="#">15</a> | EHS       |   | PE4288 - 3484 Innes Road<br>Orléans ON K1C 1T1       | SSW/54.6            | 0.00                 | <a href="#">78</a> |
| <a href="#">16</a> | WWIS      |   | lot 5 con 3<br>ON<br><b>Well ID:</b> 1510729         | SSE/85.7            | 0.00                 | <a href="#">79</a> |
| <a href="#">17</a> | CA        | TOM PYNN/JACQUELINE<br>LOCKE-PT. LOT 5,CON3 | PAGE RD./INNES RD.<br>GLOUCESTER CITY ON             | SW/86.7             | 1.00                 | <a href="#">82</a> |
| <a href="#">17</a> | CA        | R.M. OF OTTAWA-CARLETON                     | INNES RD. PAGE RD.<br>GLOUCESTER CITY ON             | SW/86.7             | 1.00                 | <a href="#">82</a> |
| <a href="#">17</a> | CA        | GLOUCESTER CITY                             | PAGE RD./INNES RD.<br>GLOUCESTER CITY ON             | SW/86.7             | 1.00                 | <a href="#">82</a> |
| <a href="#">18</a> | CA        | GLOUCESTER CITY -<br>SILVERBIRCH RD.        | PAGE RD./INNES RD./BUTTONFIELD<br>GLOUCESTER CITY ON | SW/86.7             | 1.00                 | <a href="#">82</a> |
| <a href="#">18</a> | CA        | GLOUCESTER CITY                             | PAGE RD./INNES RD./MEADOWGLEN<br>GLOUCESTER CITY ON  | SW/86.7             | 1.00                 | <a href="#">83</a> |
| <a href="#">19</a> | WWIS      |   | lot 6 con 2<br>ON<br><b>Well ID:</b> 1510698         | WSW/92.7            | 1.00                 | <a href="#">83</a> |
| <a href="#">20</a> | WWIS      |   | lot 5 con 2<br>ON                                    | WNW/100.3           | 1.00                 | <a href="#">86</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> |
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|                    |           |                          | <b>Well ID:</b> 1501225                       |                     |                      |                    |
| <a href="#">21</a> | WWIS      |                          | lot 6 con 2<br>ON                             | WSW/101.2           | 1.00                 | <a href="#">88</a> |
|                    |           |                          | <b>Well ID:</b> 1501239                       |                     |                      |                    |
| <a href="#">22</a> | BORE      |                          | ON  | E/101.5             | 0.00                 | <a href="#">91</a> |
| <a href="#">23</a> | WWIS      |                          | lot 5 con 3<br>ON                             | E/101.5             | 0.00                 | <a href="#">92</a> |
|                    |           |                          | <b>Well ID:</b> 1501410                       |                     |                      |                    |
| <a href="#">24</a> | WWIS      |                          | lot 6 con 2<br>ON                             | W/106.0             | 1.00                 | <a href="#">94</a> |
|                    |           |                          | <b>Well ID:</b> 1501233                       |                     |                      |                    |
| <a href="#">25</a> | PINC      | JEANNINE T KNIGHTON      | 2305 PAGE RD.,OTTAWA,ON,K1W 1H3,<br>CA<br>ON  | S/113.5             | 0.00                 | <a href="#">97</a> |
| <a href="#">25</a> | EHS       |                          | 2305 Pagé Road<br>Orléans ON K1W 1H3          | S/113.5             | 0.00                 | <a href="#">98</a> |
| <a href="#">25</a> | PINC      | PIPELINE HIT - 1 1/4"    | 2305 PAGE RD.,ORLÉANS,ON,K1W 1H3,<br>CA<br>ON | S/113.5             | 0.00                 | <a href="#">98</a> |
| <a href="#">25</a> | EHS       |                          | 2305 Pagé Road<br>Orléans ON K1W 1H3          | S/113.5             | 0.00                 | <a href="#">98</a> |
| <a href="#">25</a> | EHS       |                          | 2305 Pagé Road<br>Orléans ON K1W 1H3          | S/113.5             | 0.00                 | <a href="#">99</a> |
| <a href="#">26</a> | EHS       |                          | 3554 Innes Road<br>Orléans ON K1C 1T1         | E/113.8             | 0.00                 | <a href="#">99</a> |
| <a href="#">26</a> | EHS       |                          | 3554 Innes Road<br>Orléans ON K1C 1T1         | E/113.8             | 0.00                 | <a href="#">99</a> |
| <a href="#">27</a> | WWIS      |                          | lot 6 con 2<br>ON                             | WSW/114.4           | 1.00                 | <a href="#">99</a> |
|                    |           |                          | <b>Well ID:</b> 1501230                       |                     |                      |                    |



| <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>  |
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| <a href="#">28</a> | WWIS      |                          | lot 5 con 2<br>ON<br><b>Well ID:</b> 1501226            | WNW/118.7           | 1.00                 | <a href="#">102</a> |
| <a href="#">29</a> | WWIS      |                          | lot 6 con 3<br>ON<br><b>Well ID:</b> 1501434            | SW/119.0            | 0.00                 | <a href="#">104</a> |
| <a href="#">30</a> | EHS       |                          | 3443 Innes Rd<br>Ottawa ON K1C1T1                       | WSW/122.1           | 1.00                 | <a href="#">107</a> |
| <a href="#">30</a> | SPL       |                          | 3443 Innes Rd.<br>Ottawa ON K1C 1T1                     | WSW/122.1           | 1.00                 | <a href="#">107</a> |
| <a href="#">31</a> | EHS       |                          | 2310 Page Road<br>Ottawa ON                             | SW/126.9            | 0.00                 | <a href="#">107</a> |
| <a href="#">32</a> | WWIS      |                          | lot 5 con 2<br>ON<br><b>Well ID:</b> 1501215            | ENE/129.0           | 0.00                 | <a href="#">107</a> |
| <a href="#">33</a> | RSC       | GIBSON PATTERSON         | 270 LAMARCHE AVENUE, OTTAWA, ON<br>K1C 1T1<br>Ottawa ON | SE/140.0            | 0.00                 | <a href="#">110</a> |
| <a href="#">34</a> | WWIS      |                          | lot 5 con 2<br>ON<br><b>Well ID:</b> 1501216            | ENE/140.2           | 0.00                 | <a href="#">111</a> |
| <a href="#">35</a> | WWIS      |                          | lot 6 con 3<br>ON<br><b>Well ID:</b> 1501435            | SW/140.4            | 1.08                 | <a href="#">113</a> |
| <a href="#">36</a> | EHS       |                          | PE4248 - 3437 Innes Road<br>Orléans ON K1C 7M6          | WSW/144.7           | 1.00                 | <a href="#">116</a> |
| <a href="#">36</a> | EHS       |                          | PE4248 - 3437 Innes Road<br>Orléans ON K1C 7M6          | WSW/144.7           | 1.00                 | <a href="#">116</a> |
| <a href="#">37</a> | WWIS      |                          | lot 5 con 2<br>ON<br><b>Well ID:</b> 1501200            | ENE/153.8           | 0.00                 | <a href="#">116</a> |
| <a href="#">38</a> | BORE      |                          | ON  | ENE/153.8           | 0.00                 | <a href="#">119</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>  |
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| <a href="#">39</a> | WWIS      |                          | lot 5 con 2<br>ON<br><b>Well ID:</b> 1509635            | NW/159.8            | 0.00                 | <a href="#">120</a> |
| <a href="#">40</a> | WWIS      |                          | lot 5 con 2<br>ON<br><b>Well ID:</b> 1501228            | WNW/160.0           | 1.00                 | <a href="#">123</a> |
| <a href="#">41</a> | BORE      |                          | ON  | NW/160.0            | 0.00                 | <a href="#">126</a> |
| <a href="#">42</a> | EHS       |                          | 2305 Page Rd<br>Ottawa ON K1W 1H3                       | S/163.0             | 0.00                 | <a href="#">127</a> |
| <a href="#">43</a> | WWIS      |                          | lot 5 con 2<br>ON<br><b>Well ID:</b> 1501201            | ENE/165.4           | 0.00                 | <a href="#">127</a> |
| <a href="#">44</a> | WWIS      |                          | lot 6 con 2<br>ON<br><b>Well ID:</b> 1501238            | WSW/166.8           | 1.00                 | <a href="#">130</a> |
| <a href="#">45</a> | WWIS      |                          | lot 6 con 3<br>ON<br><b>Well ID:</b> 1501436            | SW/170.5            | 0.00                 | <a href="#">132</a> |
| <a href="#">46</a> | WWIS      |                          | lot 5 con 3<br>ON<br><b>Well ID:</b> 1501413            | E/173.6             | 0.00                 | <a href="#">135</a> |
| <a href="#">47</a> | EHS       |                          | 3574 Innes Road<br>Orléans ON K1C 1T1                   | E/178.7             | 0.00                 | <a href="#">138</a> |
| <a href="#">48</a> | EHS       |                          | 1813-1835 Loranger Court<br>Ottawa ON K1C               | WNW/183.4           | 1.00                 | <a href="#">138</a> |
| <a href="#">48</a> | EHS       |                          | 1813-1835 Loranger Court<br>Ottawa ON K1C               | WNW/183.4           | 1.00                 | <a href="#">138</a> |
| <a href="#">49</a> | RSC       | GIBSON PATTERSON         | 245 LAMARCHE AVENUE, OTTAWA, ON<br>K1C 1T1<br>Ottawa ON | ESE/186.7           | 0.00                 | <a href="#">138</a> |
| <a href="#">50</a> | WWIS      |                          | lot 6 con 3<br>ON<br><b>Well ID:</b> 1501423            | WSW/193.2           | 0.00                 | <a href="#">139</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>  |
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| <a href="#">51</a> | WWIS      |   | lot 6 con 2<br>ON<br><b>Well ID:</b> 1501236               | W/194.1             | 1.00                 | <a href="#">142</a> |
| <a href="#">52</a> | WWIS      |   | 2084 MONTREAL ROAD<br>OTTAWA ON<br><b>Well ID:</b> 1535516 | W/196.3             | 1.00                 | <a href="#">145</a> |
| <a href="#">53</a> | WWIS      |   | lot 6 con 3<br>ON<br><b>Well ID:</b> 1501424               | SSW/203.6           | 0.00                 | <a href="#">147</a> |
| <a href="#">54</a> | WWIS      |   | lot 5 con 3<br>ON<br><b>Well ID:</b> 1501406               | E/203.7             | 0.00                 | <a href="#">150</a> |
| <a href="#">55</a> | CA        | RHEAL SIMARD - PT. LOT 5,<br>CONC. 3        | PAGE RD./BUTTONFIELD PLACE<br>GLOUCESTER CITY ON           | SSW/205.6           | 0.00                 | <a href="#">153</a> |
| <a href="#">56</a> | BORE      |   | ON   | W/208.7             | 1.00                 | <a href="#">153</a> |
| <a href="#">57</a> | WWIS      |   | lot 6 con 3<br>ON<br><b>Well ID:</b> 1511029               | SW/209.3            | 0.00                 | <a href="#">154</a> |
| <a href="#">58</a> | WWIS      |   | lot 6 con 2<br>ON<br><b>Well ID:</b> 1501237               | WSW/209.9           | 1.00                 | <a href="#">157</a> |
| <a href="#">59</a> | EHS       |   | 245/275 ave de lamarche<br>Ottawa ON K1W 1H2               | ESE/215.6           | 0.00                 | <a href="#">160</a> |
| <a href="#">59</a> | EHS       |   | 245/275 ave de lamarche<br>Ottawa ON K1W 1H2               | ESE/215.6           | 0.00                 | <a href="#">160</a> |
| <a href="#">60</a> | WWIS      |   | lot 6 con 3<br>ON<br><b>Well ID:</b> 1501441               | SSW/226.1           | 0.00                 | <a href="#">160</a> |
| <a href="#">61</a> | WWIS      |   | lot 4 con 3<br>ON<br><b>Well ID:</b> 1518180               | ENE/228.1           | 0.00                 | <a href="#">163</a> |
| <a href="#">62</a> | CA        | MICHEL LAMARCHE<br>ENTERPRISES INC. PRIVATE | MEADOWGLEN DRIVE AT PAGE ROAD<br>GLOUCESTER CITY ON        | WNW/240.6           | 0.00                 | <a href="#">166</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>  |
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| <a href="#">63</a> | WWIS      |                          | lot 6 con 3<br>ON<br><i>Well ID:</i> 1501422  | WSW/242.3           | 0.00                 | <a href="#">166</a> |
| <a href="#">64</a> | GEN       | Bell                     | 3605 Innes Rd<br>Orleans ON K1C 1T1           | ENE/243.5           | 0.00                 | <a href="#">169</a> |
| <a href="#">65</a> | WWIS      |                          | lot 6 con 3<br>ON<br><i>Well ID:</i> 1501426  | SSW/244.5           | -0.31                | <a href="#">169</a> |
| <a href="#">66</a> | GEN       | BELL CANADA              | 3605 INNIS ROAD<br>CUMBERLAND TWP. ON K1C 1T1 | ENE/247.2           | 0.00                 | <a href="#">172</a> |
| <a href="#">66</a> | GEN       | BELL (OUT OF BUSINESS)   | 3605 INNIS ROAD<br>CUMBERLAND TWP. ON K1C 1T1 | ENE/247.2           | 0.00                 | <a href="#">172</a> |
| <a href="#">66</a> | GEN       | BELL CANADA              | 3605 INNIS<br>ORLEANS ON K1C 1T1              | ENE/247.2           | 0.00                 | <a href="#">173</a> |
| <a href="#">66</a> | DTNK      | Bell Canada              | Innis Rd 3605, Orleans ON<br>ORLEANS ON       | ENE/247.2           | 0.00                 | <a href="#">173</a> |
| <a href="#">66</a> | CA        | Bell Canada              | 3605 Innes Road<br>Ottawa ON K1C 1T1          | ENE/247.2           | 0.00                 | <a href="#">173</a> |
| <a href="#">66</a> | CFOT      | BELL CANADA              | 3605 INNES RD OTTAWA K1C 1T1 ON<br>CA<br>ON   | ENE/247.2           | 0.00                 | <a href="#">174</a> |
| <a href="#">66</a> | ECA       | Bell Canada              | 3605 Innes Road<br>Ottawa ON K1C 1T1          | ENE/247.2           | 0.00                 | <a href="#">174</a> |
| <a href="#">66</a> | DTNK      | BELL CANADA              | 3605 INNES RD OTTAWA K1C 1T1 ON<br>CA<br>ON   | ENE/247.2           | 0.00                 | <a href="#">174</a> |
| <a href="#">66</a> | GEN       | Bell                     | 3605 Innes Rd<br>Orleans ON K1C 1T1           | ENE/247.2           | 0.00                 | <a href="#">175</a> |
| <a href="#">67</a> | WWIS      |                          | lot 5 con 3<br>ON                             | ENE/248.2           | 0.00                 | <a href="#">175</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>  |
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|                    |           |                             | <b>Well ID:</b> 1501414   |                     |                      |                     |
| <a href="#">68</a> | BORE      |                             | ON  | WSW/249.2           | 0.00                 | <a href="#">178</a> |
| <a href="#">69</a> | ECA       | Halo Car Wash Inc.          | 3604 Innes Road<br>Ottawa ON K0C 1T0                                | E/250.6             | 0.00                 | <a href="#">179</a> |
| <a href="#">69</a> | EASR      | GLENVIEW HOMES (INNES) LTD. | 3604 Innes RD<br>Ottawa ON K1C 1T1                                  | E/250.6             | 0.00                 | <a href="#">179</a> |
| <a href="#">70</a> | WWIS      |                             | lot 6 con 2<br>ON<br><b>Well ID:</b> 1510727                        | W/254.5             | 1.00                 | <a href="#">179</a> |
| <a href="#">71</a> | BORE      |                             | ON  | W/254.6             | 1.00                 | <a href="#">182</a> |
| <a href="#">72</a> | WWIS      |                             | 3604 innes road lot 4 con 3<br>Ottawa ON<br><b>Well ID:</b> 7347161 | E/255.1             | 0.00                 | <a href="#">183</a> |
| <a href="#">73</a> | WWIS      |                             | lot 5 con 2<br>ON<br><b>Well ID:</b> 1501227                        | ENE/256.7           | 0.00                 | <a href="#">185</a> |
| <a href="#">74</a> | EHS       |                             | 3604 Innes Road<br>Orléans ON K1C 1T1                               | E/258.5             | 0.00                 | <a href="#">188</a> |
| <a href="#">75</a> | PES       |                             | 6276 SABLEWOOD PL<br>ORLEANS ON K1C 7M5                             | WSW/258.6           | 0.00                 | <a href="#">188</a> |
| <a href="#">76</a> | BORE      |                             | ON  | SSE/260.5           | -1.00                | <a href="#">189</a> |
| <a href="#">77</a> | SCT       | Caroline's Rub-Fine Spice   | 6355 Sablewood Pl<br>Orleans ON K1C 7M3                             | W/263.0             | 1.00                 | <a href="#">190</a> |
| <a href="#">78</a> | WWIS      |                             | lot 6 con 3<br>ON<br><b>Well ID:</b> 1501442                        | S/263.6             | -1.03                | <a href="#">190</a> |
| <a href="#">79</a> | WWIS      |                             | lot 6 con 2<br>ON   | WSW/264.3           | 0.00                 | <a href="#">193</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> 1501234                      |                     |                      |                     |
| <a href="#">80</a> | EHS       |                                    | 2248 Boyer Road<br>Ottawa ON K1C 1R4         | ENE/265.5           | 0.00                 | <a href="#">196</a> |
| <a href="#">81</a> | BORE      |                                    | ON   | WSW/265.8           | 0.00                 | <a href="#">196</a> |
| <a href="#">82</a> | WWIS      |                                    | lot 6 con 3<br>ON<br><b>Well ID:</b> 1501440 | WSW/266.0           | 0.00                 | <a href="#">197</a> |
| <a href="#">83</a> | WWIS      |                                    | lot 6 con 3<br>ON<br><b>Well ID:</b> 1509636 | SW/274.5            | 0.00                 | <a href="#">200</a> |
| <a href="#">84</a> | WWIS      |                                    | lot 4 con 3<br>ON<br><b>Well ID:</b> 1501408 | E/276.3             | 0.95                 | <a href="#">202</a> |
| <a href="#">85</a> | WWIS      |                                    | lot 5 con 2<br>ON<br><b>Well ID:</b> 1501209 | ENE/277.2           | 0.00                 | <a href="#">204</a> |
| <a href="#">86</a> | BORE      |                                    | ON   | ENE/277.3           | 0.00                 | <a href="#">208</a> |
| <a href="#">87</a> | SPL       | City of Ottawa                     | 1708 Aspenview Way<br>Ottawa ON K1C 6S1      | NW/279.6            | -1.08                | <a href="#">209</a> |
| <a href="#">88</a> | AUWR      | ORLEANS BLVD TOWING &<br>RECYCLING | 2360 PAGE RD<br>ORLEANS ON K1W 1H3           | S/283.6             | -1.00                | <a href="#">209</a> |
| <a href="#">88</a> | AUWR      | CASH FOR SCRAP                     | 2360 PAGE RD<br>OTTAWA ON K1W 1H3            | S/283.6             | -1.00                | <a href="#">209</a> |
| <a href="#">88</a> | AUWR      | ORLEANS BLVD TOWING &<br>RECYCLING | 2360 PAGE RD<br>ORLEANS ON K1W1H3            | S/283.6             | -1.00                | <a href="#">210</a> |
| <a href="#">89</a> | WWIS      |                                    | lot 6 con 3<br>ON<br><b>Well ID:</b> 1501425 | S/293.3             | -1.00                | <a href="#">210</a> |
| <a href="#">90</a> | WWIS      |                                    | lot 6 con 3<br>ON                            | S/298.3             | -1.00                | <a href="#">212</a> |

| <i>Map<br/>Key</i> | <i>DB</i> | <i>Company/Site Name</i> | <i>Address</i> | <i>Dir/Dist (m)</i> | <i>Elev Diff<br/>(m)</i> | <i>Page<br/>Number</i> |
|--------------------|-----------|--------------------------|----------------|---------------------|--------------------------|------------------------|
|--------------------|-----------|--------------------------|----------------|---------------------|--------------------------|------------------------|

*Well ID:* 1501443

# Executive Summary: Summary By Data Source

## **AUWR - Automobile Wrecking & Supplies**

A search of the AUWR database, dated 1999-May 31, 2022 has found that there are 3 AUWR site(s) within approximately 0.30 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>     |
|------------------------------------|------------------------------------|----------------------------|---------------------------|
| CASH FOR SCRAP                     | 2360 PAGE RD<br>OTTAWA ON K1W 1H3  | 283.6                      | <a href="#"><u>88</u></a> |
| ORLEANS BLVD TOWING &<br>RECYCLING | 2360 PAGE RD<br>ORLEANS ON K1W1H3  | 283.6                      | <a href="#"><u>88</u></a> |
| ORLEANS BLVD TOWING &<br>RECYCLING | 2360 PAGE RD<br>ORLEANS ON K1W 1H3 | 283.6                      | <a href="#"><u>88</u></a> |

## **BORE - Borehole**

A search of the BORE database, dated 1875-Jul 2018 has found that there are 11 BORE site(s) within approximately 0.30 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                    | 34.3                       | <a href="#"><u>11</u></a> |
|                    | ON                    | 48.0                       | <a href="#"><u>13</u></a> |
|                    | ON                    | 101.5                      | <a href="#"><u>22</u></a> |
|                    | ON                    | 153.8                      | <a href="#"><u>38</u></a> |
|                    | ON                    | 160.0                      | <a href="#"><u>41</u></a> |



| <u>Site</u> | <u>Address</u> | <u>Distance (m)</u> | <u>Map Key</u>     |
|-------------|----------------|---------------------|--------------------|
|             | ON             | 208.7               | <a href="#">56</a> |
|             | ON             | 249.2               | <a href="#">68</a> |
|             | ON             | 254.6               | <a href="#">71</a> |
|             | ON             | 260.5               | <a href="#">76</a> |
|             | ON             | 265.8               | <a href="#">81</a> |
|             | ON             | 277.3               | <a href="#">86</a> |

### **CA - Certificates of Approval**

A search of the CA database, dated 1985-Oct 30, 2011\* has found that there are 8 CA site(s) within approximately 0.30 kilometers of the project property.

| <u>Site</u>                                 | <u>Address</u>                           | <u>Distance (m)</u> | <u>Map Key</u>     |
|---|--|---------------------|--------------------|
| GLOUCESTER CITY                             | PAGE RD./INNES RD.<br>GLOUCESTER CITY ON | 86.7                | <a href="#">17</a> |
| R.M. OF OTTAWA-CARLETON                     | INNES RD. PAGE RD.<br>GLOUCESTER CITY ON | 86.7                | <a href="#">17</a> |
| TOM PYNN/JACQUELINE LOCKE-PT.<br>LOT 5,CON3 | PAGE RD./INNES RD.<br>GLOUCESTER CITY ON | 86.7                | <a href="#">17</a> |

| <b>Site</b>                                 | <b>Address</b>                                       | <b>Distance (m)</b> | <b>Map Key</b>            |
|---|--|---------------------|---------------------------|
| GLOUCESTER CITY                             | PAGE RD./INNES RD./MEADOWGLEN<br>GLOUCESTER CITY ON  | 86.7                | <a href="#"><u>18</u></a> |
| GLOUCESTER CITY - SILVERBIRCH<br>RD.        | PAGE RD./INNES RD./BUTTONFIELD<br>GLOUCESTER CITY ON | 86.7                | <a href="#"><u>18</u></a> |
| RHEAL SIMARD - PT. LOT 5, CONC. 3           | PAGE RD./BUTTONFIELD PLACE<br>GLOUCESTER CITY ON     | 205.6               | <a href="#"><u>55</u></a> |
| MICHEL LAMARCHE ENTERPRISES<br>INC. PRIVATE | MEADOWGLEN DRIVE AT PAGE ROAD<br>GLOUCESTER CITY ON  | 240.6               | <a href="#"><u>62</u></a> |
| Bell Canada                                 | 3605 Innes Road<br>Ottawa ON K1C 1T1                 | 247.2               | <a href="#"><u>66</u></a> |

### **CFOT - Commercial Fuel Oil Tanks**

A search of the CFOT database, dated Feb 28, 2022 has found that there are 1 CFOT site(s) within approximately 0.30 kilometers of the project property.

| <b>Site</b> | <b>Address</b>                           | <b>Distance (m)</b> | <b>Map Key</b>            |
|-------------|--|---------------------|---------------------------|
| BELL CANADA | 3605 INNES RD OTTAWA K1C 1T1 ON CA<br>ON | 247.2               | <a href="#"><u>66</u></a> |

### **DTNK - Delisted Fuel Tanks**

A search of the DTNK database, dated Feb 28, 2022 has found that there are 6 DTNK site(s) within approximately 0.30 kilometers of the project property.

| <b>Site</b>         | <b>Address</b>                                    | <b>Distance (m)</b> | <b>Map Key</b>           |
|---------------------|---|---------------------|--------------------------|
|                     | 3469 INNES RD<br>GLOUCESTER ON K1C 1T1            | 24.9                | <a href="#"><u>9</u></a> |
| 2339401 ONTARIO INC | 3469 INNES RD RR 2 ORLEANS K1C 1T1<br>ON CA<br>ON | 24.9                | <a href="#"><u>9</u></a> |

| <u>Site</u>         | <u>Address</u>                                    | <u>Distance (m)</u> | <u>Map Key</u>            |
|---------------------|---|---------------------|---------------------------|
| 2339401 ONTARIO INC | 3469 INNES RD RR 2 ORLEANS K1C 1T1<br>ON CA<br>ON | 24.9                | <a href="#"><u>9</u></a>  |
| 2339401 ONTARIO INC | 3469 INNES RD RR 2 ORLEANS K1C 1T1<br>ON CA<br>ON | 24.9                | <a href="#"><u>9</u></a>  |
| BELL CANADA         | 3605 INNES RD OTTAWA K1C 1T1 ON CA<br>ON          | 247.2               | <a href="#"><u>66</u></a> |
| Bell Canada         | Innis Rd 3605, Orleans ON<br>ORLEANS ON           | 247.2               | <a href="#"><u>66</u></a> |

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

A search of the EASR database, dated Oct 2011- Aug 31, 2022 has found that there are 2 EASR site(s) within approximately 0.30 kilometers of the project property.

| <u>Site</u>                  | <u>Address</u>                      | <u>Distance (m)</u> | <u>Map Key</u>            |
|------------------------------|-------------------------------------|---------------------|---------------------------|
| TAGGART CONSTRUCTION LIMITED | 3490 Innes RD<br>Orleans ON K1C 1T1 | 31.9                | <a href="#"><u>10</u></a> |
| GLENVIEW HOMES (INNES) LTD.  | 3604 Innes RD<br>Ottawa ON K1C 1T1  | 250.6               | <a href="#"><u>69</u></a> |

### **ECA - Environmental Compliance Approval**

A search of the ECA database, dated Oct 2011- Aug 31, 2022 has found that there are 4 ECA site(s) within approximately 0.30 kilometers of the project property.

| <u>Site</u>                      | <u>Address</u>                     | <u>Distance (m)</u> | <u>Map Key</u>            |
|----------------------------------|------------------------------------|---------------------|---------------------------|
| Caivan (Orleans Village) Limited | 3490 Innes Rd<br>Ottawa ON K2H 1B2 | 31.9                | <a href="#"><u>10</u></a> |
| Caivan (Orleans Village) Limited | 3490 Innes Rd<br>Ottawa ON K2H 1B2 | 31.9                | <a href="#"><u>10</u></a> |

| <u>Site</u>        | <u>Address</u>                       | <u>Distance (m)</u> | <u>Map Key</u>     |
|--------------------|--------------------------------------|---------------------|--------------------|
| Bell Canada        | 3605 Innes Road<br>Ottawa ON K1C 1T1 | 247.2               | <a href="#">66</a> |
| Halo Car Wash Inc. | 3604 Innes Road<br>Ottawa ON K0C 1T0 | 250.6               | <a href="#">69</a> |

## **EHS - ERIS Historical Searches**

A search of the EHS database, dated 1999-Jul 31, 2022 has found that there are 21 EHS site(s) within approximately 0.30 kilometers of the project property.

| <u>Site</u> | <u>Address</u>                                 | <u>Distance (m)</u> | <u>Map Key</u>     |
|-------------|--|---------------------|--------------------|
|             | 3493 and 3497 Innes road<br>Orléans ON K1C 1T1 | 0.0                 | <a href="#">1</a>  |
|             | 3493 and 3497 Innes road<br>Orléans ON K1C 1T1 | 0.0                 | <a href="#">1</a>  |
|             | PE4288 - 3484 Innes Road<br>Orléans ON K1C 1T1 | 54.6                | <a href="#">15</a> |
|             | PE4288 - 3484 Innes Road<br>Orléans ON K1C 1T1 | 54.6                | <a href="#">15</a> |
|             | 2305 Pagé Road<br>Orléans ON K1W 1H3           | 113.5               | <a href="#">25</a> |
|             | 2305 Pagé Road<br>Orléans ON K1W 1H3           | 113.5               | <a href="#">25</a> |
|             | 2305 Pagé Road<br>Orléans ON K1W 1H3           | 113.5               | <a href="#">25</a> |
|             | 3554 Innes Road<br>Orléans ON K1C 1T1          | 113.8               | <a href="#">26</a> |

| <u>Site</u> | <u>Address</u>                                 | <u>Distance (m)</u> | <u>Map Key</u>            |
|-------------|--|---------------------|---------------------------|
|             | 3554 Innes Road<br>Orléans ON K1C 1T1          | 113.8               | <a href="#"><u>26</u></a> |
|             | 3443 Innes Rd<br>Ottawa ON K1C1T1              | 122.1               | <a href="#"><u>30</u></a> |
|             | 2310 Page Road<br>Ottawa ON                    | 126.9               | <a href="#"><u>31</u></a> |
|             | PE4248 - 3437 Innes Road<br>Orléans ON K1C 7M6 | 144.7               | <a href="#"><u>36</u></a> |
|             | PE4248 - 3437 Innes Road<br>Orléans ON K1C 7M6 | 144.7               | <a href="#"><u>36</u></a> |
|             | 2305 Page Rd<br>Ottawa ON K1W 1H3              | 163.0               | <a href="#"><u>42</u></a> |
|             | 3574 Innes Road<br>Orléans ON K1C 1T1          | 178.7               | <a href="#"><u>47</u></a> |
|             | 1813-1835 Loranger Court<br>Ottawa ON K1C      | 183.4               | <a href="#"><u>48</u></a> |
|             | 1813-1835 Loranger Court<br>Ottawa ON K1C      | 183.4               | <a href="#"><u>48</u></a> |
|             | 245/275 ave de lamarche<br>Ottawa ON K1W 1H2   | 215.6               | <a href="#"><u>59</u></a> |
|             | 245/275 ave de lamarche<br>Ottawa ON K1W 1H2   | 215.6               | <a href="#"><u>59</u></a> |

| <u>Site</u> | <u>Address</u>                        | <u>Distance (m)</u> | <u>Map Key</u>            |
|-------------|---------------------------------------|---------------------|---------------------------|
|             | 3604 Innes Road<br>Orléans ON K1C 1T1 | 258.5               | <a href="#"><u>74</u></a> |
|             | 2248 Boyer Road<br>Ottawa ON K1C 1R4  | 265.5               | <a href="#"><u>80</u></a> |

### **FST - Fuel Storage Tank**

A search of the FST database, dated Feb 28, 2022 has found that there are 5 FST site(s) within approximately 0.30 kilometers of the project property.

| <u>Site</u>         | <u>Address</u>                                    | <u>Distance (m)</u> | <u>Map Key</u>           |
|---------------------|---|---------------------|--------------------------|
| 2339401 ONTARIO INC | 3469 INNES RD RR 2 ORLÉANS K1C 1T1<br>ON CA<br>ON | 24.9                | <a href="#"><u>9</u></a> |
| 2339401 ONTARIO INC | 3469 INNES RD RR 2 ORLÉANS K1C 1T1<br>ON CA<br>ON | 24.9                | <a href="#"><u>9</u></a> |
| 2339401 ONTARIO INC | 3469 INNES RD RR 2 ORLÉANS K1C 1T1<br>ON CA<br>ON | 24.9                | <a href="#"><u>9</u></a> |
| 2339401 ONTARIO INC | 3469 INNES RD RR 2 ORLÉANS K1C 1T1<br>ON CA<br>ON | 24.9                | <a href="#"><u>9</u></a> |
| 2339401 ONTARIO INC | 3469 INNES RD RR 2 ORLÉANS K1C 1T1<br>ON CA<br>ON | 24.9                | <a href="#"><u>9</u></a> |

### **FSTH - Fuel Storage Tank - Historic**

A search of the FSTH database, dated Pre-Jan 2010\* has found that there are 2 FSTH site(s) within approximately 0.30 kilometers of the project property.

| <u>Site</u>                                | <u>Address</u>                           | <u>Distance (m)</u> | <u>Map Key</u>           |
|--|--|---------------------|--------------------------|
| 977998 ONTARIO LTD C/O PRONTO<br>FOOD MART | 3469 INNES RD RR 2<br>ORLEANS ON K1C 1T1 | 24.9                | <a href="#"><u>9</u></a> |

| <u>Site</u>                             | <u>Address</u>                        | <u>Distance (m)</u> | <u>Map Key</u>           |
|---|---------------------------------------|---------------------|--------------------------|
| 977998 ONTARIO LTD C/O PRONTO FOOD MART | 3469 INNES RD RR 2 ORLEANS ON K1C 1T1 | 24.9                | <a href="#"><u>9</u></a> |

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

A search of the GEN database, dated 1986-Apr 30, 2022 has found that there are 20 GEN site(s) within approximately 0.30 kilometers of the project property.

| <u>Site</u>                    | <u>Address</u>                                   | <u>Distance (m)</u> | <u>Map Key</u>           |
|--------------------------------|--|---------------------|--------------------------|
| INNES VETERINARY CLINIC 21-555 | 3469 INNES ROAD, BAY NO. 7 GLOUCESTER ON K1C 1T1 | 24.9                | <a href="#"><u>9</u></a> |
| INNES VETERINARY CLINIC        | 3469 INNES ROAD OTTAWA ON K1C 1T1                | 24.9                | <a href="#"><u>9</u></a> |
| INNES ROAD ANIMAL HOSPITAL     | 3469 INNES ROAD OTTAWA ON K1C 1T1                | 24.9                | <a href="#"><u>9</u></a> |
| INNES ROAD ANIMAL HOSPITAL     | 3469 INNES ROAD OTTAWA ON K1C 1T1                | 24.9                | <a href="#"><u>9</u></a> |
| INNES ROAD ANIMAL HOSPITAL     | 3469 INNES ROAD OTTAWA ON K1C 1T1                | 24.9                | <a href="#"><u>9</u></a> |
| INNES ROAD ANIMAL HOSPITAL     | 3469 INNES ROAD OTTAWA ON K1C 1T1                | 24.9                | <a href="#"><u>9</u></a> |
| INNES ROAD ANIMAL HOSPITAL     | 3469 INNES ROAD OTTAWA ON                        | 24.9                | <a href="#"><u>9</u></a> |
| INNES ROAD ANIMAL HOSPITAL     | 3469 INNES ROAD OTTAWA ON K1C 1T1                | 24.9                | <a href="#"><u>9</u></a> |
| INNES ROAD ANIMAL HOSPITAL     | 3469 INNES ROAD OTTAWA ON K1C 1T1                | 24.9                | <a href="#"><u>9</u></a> |

| <u>Site</u>                | <u>Address</u>                                     | <u>Distance (m)</u> | <u>Map Key</u>            |
|----------------------------|--|---------------------|---------------------------|
| INNES ROAD ANIMAL HOSPITAL | 3469 INNES ROAD<br>OTTAWA ON K1C 1T1               | 24.9                | <a href="#"><u>9</u></a>  |
| INNES ROAD ANIMAL HOSPITAL | 3469 INNES ROAD<br>OTTAWA ON K1C 1T1               | 24.9                | <a href="#"><u>9</u></a>  |
| INNES ROAD ANIMAL HOSPITAL | 3469 INNES ROAD<br>OTTAWA ON K1C 1T1               | 24.9                | <a href="#"><u>9</u></a>  |
| INNES ROAD ANIMAL HOSPITAL | 3469 INNES ROAD<br>OTTAWA ON K1C 1T1               | 24.9                | <a href="#"><u>9</u></a>  |
| INNES ROAD ANIMAL HOSPITAL | 3469 INNES ROAD<br>OTTAWA ON K1C 1T1               | 24.9                | <a href="#"><u>9</u></a>  |
| INNES VETERINARY CLINIC    | 3469 INNES ROAD BAY NO. 7<br>GLOUCESTER ON K1C 1T1 | 24.9                | <a href="#"><u>9</u></a>  |
| Bell                       | 3605 Innes Rd<br>Orleans ON K1C 1T1                | 243.5               | <a href="#"><u>64</u></a> |
| Bell                       | 3605 Innes Rd<br>Orleans ON K1C 1T1                | 247.2               | <a href="#"><u>66</u></a> |
| BELL CANADA                | 3605 INNIS ROAD<br>CUMBERLAND TWP. ON K1C 1T1      | 247.2               | <a href="#"><u>66</u></a> |
| BELL (OUT OF BUSINESS)     | 3605 INNIS ROAD<br>CUMBERLAND TWP. ON K1C 1T1      | 247.2               | <a href="#"><u>66</u></a> |
| BELL CANADA                | 3605 INNIS<br>ORLEANS ON K1C 1T1                   | 247.2               | <a href="#"><u>66</u></a> |



## **PES - Pesticide Register**

A search of the PES database, dated Oct 2011- Aug 31, 2022 has found that there are 1 PES site(s) within approximately 0.30 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>     |
|--------------------|---|----------------------------|---------------------------|
|                    | 6276 SABLEWOOD PL<br>ORLEANS ON K1C 7M5 | 258.6                      | <a href="#"><u>75</u></a> |

## **PINC - Pipeline Incidents**

A search of the PINC database, dated Feb 28, 2021 has found that there are 2 PINC site(s) within approximately 0.30 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>     |
|-----------------------|---|----------------------------|---------------------------|
| JEANNINE T KNIGHTON   | 2305 PAGE RD.,OTTAWA,ON,K1W 1H3,CA<br>ON  | 113.5                      | <a href="#"><u>25</u></a> |
| PIPELINE HIT - 1 1/4" | 2305 PAGE RD.,ORLÉANS,ON,K1W 1H3,CA<br>ON | 113.5                      | <a href="#"><u>25</u></a> |

## **PRT - Private and Retail Fuel Storage Tanks**

A search of the PRT database, dated 1989-1996\* has found that there are 2 PRT site(s) within approximately 0.30 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>    |
|--------------------|---------------------------------------|----------------------------|--------------------------|
| 977998 ONTARIO LTD | 3469 INNES RD<br>GLOUCESTER ON K1C1T1 | 24.9                       | <a href="#"><u>9</u></a> |
| 977998 ONTARIO LTD | 3469 INNES RD<br>GLOUCESTER ON K1C1T1 | 24.9                       | <a href="#"><u>9</u></a> |

## **RSC - Record of Site Condition**

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Sep 2022 has found that there are 2 RSC site(s) within approximately 0.30 kilometers of the project property.

| <u>Site</u>      | <u>Address</u>  | <u>Distance (m)</u> | <u>Map Key</u>     |
|------------------|---|---------------------|--------------------|
| GIBSON PATTERSON | 270 LAMARCHE AVENUE, OTTAWA, ON<br>K1C 1T1<br>Ottawa ON | 140.0               | <a href="#">33</a> |
| GIBSON PATTERSON | 245 LAMARCHE AVENUE, OTTAWA, ON<br>K1C 1T1<br>Ottawa ON | 186.7               | <a href="#">49</a> |

### **SCT - Scott's Manufacturing Directory**

A search of the SCT database, dated 1992-Mar 2011\* has found that there are 1 SCT site(s) within approximately 0.30 kilometers of the project property.

| <u>Site</u>               | <u>Address</u>                          | <u>Distance (m)</u> | <u>Map Key</u>     |
|---------------------------|---|---------------------|--------------------|
| Caroline's Rub-Fine Spice | 6355 Sablewood Pl<br>Orleans ON K1C 7M3 | 263.0               | <a href="#">77</a> |

### **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Sep 2020; Dec 2020-Mar 2021 has found that there are 4 SPL site(s) within approximately 0.30 kilometers of the project property.

| <u>Site</u>             | <u>Address</u>   | <u>Distance (m)</u> | <u>Map Key</u>     |
|-------------------------|--|---------------------|--------------------|
|                         | 3469 Innes Road<br>Ottawa ON K1C 1T1   | 24.9                | <a href="#">9</a>  |
| CANADIAN WASTE SERVICES | BEHIND 3469 INNES ROAD. MOTOR<br>VEHICLE (OPERATING FLUID)<br>OTTAWA CITY ON K1C 1T1 | 24.9                | <a href="#">9</a>  |
|                         | 3443 Innes Rd.<br>Ottawa ON K1C 1T1  | 122.1               | <a href="#">30</a> |
| City of Ottawa          | 1708 Aspenview Way<br>Ottawa ON K1C 6S1  | 279.6               | <a href="#">87</a> |

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

A search of the WWIS database, dated Jun 30 2022 has found that there are 51 WWIS site(s) within approximately 0.30 kilometers of the project property.

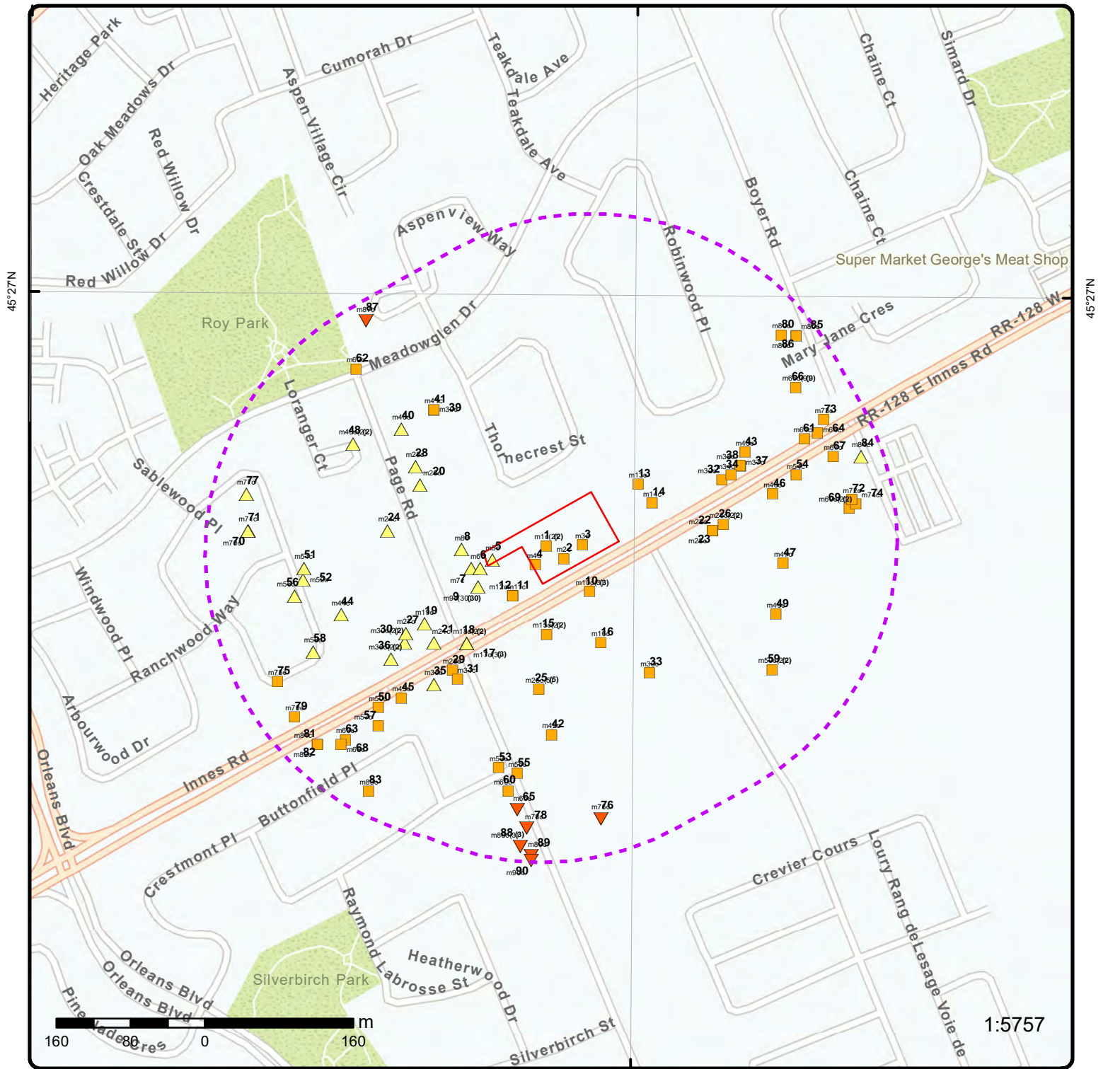
| <u>Site</u> | <u>Address</u>  | <u>Distance (m)</u> | <u>Map Key</u>            |
|-------------|---|---------------------|---------------------------|
|             | lot 5 con 2<br>ON<br><br><i>Well ID:</i> 1501218                        | 0.0                 | <a href="#"><u>2</u></a>  |
|             | lot 5 con 2<br>ON<br><br><i>Well ID:</i> 1501219                        | 0.0                 | <a href="#"><u>3</u></a>  |
|             | 3493 Innes rd lot 5 con 2<br>Ottawa ON<br><br><i>Well ID:</i> 7365221   | 0.0                 | <a href="#"><u>4</u></a>  |
|             | 3493 Innes road lot 5 con 2<br>Ottawa ON<br><br><i>Well ID:</i> 7365220 | 0.0                 | <a href="#"><u>5</u></a>  |
|             | lot 5 con 2<br>ON<br><br><i>Well ID:</i> 1501229                        | 8.8                 | <a href="#"><u>6</u></a>  |
|             | lot 5 con 2<br>ON<br><br><i>Well ID:</i> 1510714                        | 18.2                | <a href="#"><u>7</u></a>  |
|             | lot 5 con 2<br>ON<br><br><i>Well ID:</i> 1510715                        | 23.6                | <a href="#"><u>8</u></a>  |
|             | lot 5 con 2<br>ON<br><br><i>Well ID:</i> 1501220                        | 34.4                | <a href="#"><u>12</u></a> |
|             | lot 5 con 2<br>ON<br><br><i>Well ID:</i> 1501224                        | 51.3                | <a href="#"><u>14</u></a> |
|             | lot 5 con 3<br>ON<br><br><i>Well ID:</i> 1510729                        | 85.7                | <a href="#"><u>16</u></a> |
|             | lot 6 con 2<br>ON<br><br><i>Well ID:</i> 1510698                        | 92.7                | <a href="#"><u>19</u></a> |

| <u>Site</u> | <u>Address</u>                                   | <u>Distance (m)</u> | <u>Map Key</u>            |
|-------------|--|---------------------|---------------------------|
|             | lot 5 con 2<br>ON<br><br><i>Well ID:</i> 1501225 | 100.3               | <a href="#"><u>20</u></a> |
|             | lot 6 con 2<br>ON<br><br><i>Well ID:</i> 1501239 | 101.2               | <a href="#"><u>21</u></a> |
|             | lot 5 con 3<br>ON<br><br><i>Well ID:</i> 1501410 | 101.5               | <a href="#"><u>23</u></a> |
|             | lot 6 con 2<br>ON<br><br><i>Well ID:</i> 1501233 | 106.0               | <a href="#"><u>24</u></a> |
|             | lot 6 con 2<br>ON<br><br><i>Well ID:</i> 1501230 | 114.4               | <a href="#"><u>27</u></a> |
|             | lot 5 con 2<br>ON<br><br><i>Well ID:</i> 1501226 | 118.7               | <a href="#"><u>28</u></a> |
|             | lot 6 con 3<br>ON<br><br><i>Well ID:</i> 1501434 | 119.0               | <a href="#"><u>29</u></a> |
|             | lot 5 con 2<br>ON<br><br><i>Well ID:</i> 1501215 | 129.0               | <a href="#"><u>32</u></a> |
|             | lot 5 con 2<br>ON<br><br><i>Well ID:</i> 1501216 | 140.2               | <a href="#"><u>34</u></a> |
|             | lot 6 con 3<br>ON<br><br><i>Well ID:</i> 1501435 | 140.4               | <a href="#"><u>35</u></a> |
|             | lot 5 con 2<br>ON<br><br><i>Well ID:</i> 1501200 | 153.8               | <a href="#"><u>37</u></a> |
|             | lot 5 con 2<br>ON                                | 159.8               | <a href="#"><u>39</u></a> |

| <u>Site</u> | <u>Address</u>                  | <u>Distance (m)</u> | <u>Map Key</u>            |
|-------------|---------------------------------|---------------------|---------------------------|
|             | <i>Well ID:</i> 1509635         |                     |                           |
|             | lot 5 con 2<br>ON               | 160.0               | <a href="#"><u>40</u></a> |
|             | <i>Well ID:</i> 1501228         |                     |                           |
|             | lot 5 con 2<br>ON               | 165.4               | <a href="#"><u>43</u></a> |
|             | <i>Well ID:</i> 1501201         |                     |                           |
|             | lot 6 con 2<br>ON               | 166.8               | <a href="#"><u>44</u></a> |
|             | <i>Well ID:</i> 1501238         |                     |                           |
|             | lot 6 con 3<br>ON               | 170.5               | <a href="#"><u>45</u></a> |
|             | <i>Well ID:</i> 1501436         |                     |                           |
|             | lot 5 con 3<br>ON               | 173.6               | <a href="#"><u>46</u></a> |
|             | <i>Well ID:</i> 1501413         |                     |                           |
|             | lot 6 con 3<br>ON               | 193.2               | <a href="#"><u>50</u></a> |
|             | <i>Well ID:</i> 1501423         |                     |                           |
|             | lot 6 con 2<br>ON               | 194.1               | <a href="#"><u>51</u></a> |
|             | <i>Well ID:</i> 1501236         |                     |                           |
|             | 2084 MONTREAL ROAD<br>OTTAWA ON | 196.3               | <a href="#"><u>52</u></a> |
|             | <i>Well ID:</i> 1535516         |                     |                           |
|             | lot 6 con 3<br>ON               | 203.6               | <a href="#"><u>53</u></a> |
|             | <i>Well ID:</i> 1501424         |                     |                           |
|             | lot 5 con 3<br>ON               | 203.7               | <a href="#"><u>54</u></a> |
|             | <i>Well ID:</i> 1501406         |                     |                           |
|             | lot 6 con 3<br>ON               | 209.3               | <a href="#"><u>57</u></a> |
|             | <i>Well ID:</i> 1511029         |                     |                           |

| <u>Site</u> | <u>Address</u>                           | <u>Distance (m)</u> | <u>Map Key</u>            |
|-------------|--|---------------------|---------------------------|
|             | lot 6 con 2<br>ON                        | 209.9               | <a href="#"><u>58</u></a> |
|             | <i>Well ID:</i> 1501237                  |                     |                           |
|             | lot 6 con 3<br>ON                        | 226.1               | <a href="#"><u>60</u></a> |
|             | <i>Well ID:</i> 1501441                  |                     |                           |
|             | lot 4 con 3<br>ON                        | 228.1               | <a href="#"><u>61</u></a> |
|             | <i>Well ID:</i> 1518180                  |                     |                           |
|             | lot 6 con 3<br>ON                        | 242.3               | <a href="#"><u>63</u></a> |
|             | <i>Well ID:</i> 1501422                  |                     |                           |
|             | lot 6 con 3<br>ON                        | 244.5               | <a href="#"><u>65</u></a> |
|             | <i>Well ID:</i> 1501426                  |                     |                           |
|             | lot 5 con 3<br>ON                        | 248.2               | <a href="#"><u>67</u></a> |
|             | <i>Well ID:</i> 1501414                  |                     |                           |
|             | lot 6 con 2<br>ON                        | 254.5               | <a href="#"><u>70</u></a> |
|             | <i>Well ID:</i> 1510727                  |                     |                           |
|             | 3604 innes road lot 4 con 3<br>Ottawa ON | 255.1               | <a href="#"><u>72</u></a> |
|             | <i>Well ID:</i> 7347161                  |                     |                           |
|             | lot 5 con 2<br>ON                        | 256.7               | <a href="#"><u>73</u></a> |
|             | <i>Well ID:</i> 1501227                  |                     |                           |
|             | lot 6 con 3<br>ON                        | 263.6               | <a href="#"><u>78</u></a> |
|             | <i>Well ID:</i> 1501442                  |                     |                           |
|             | lot 6 con 2<br>ON                        | 264.3               | <a href="#"><u>79</u></a> |
|             | <i>Well ID:</i> 1501234                  |                     |                           |
|             | lot 6 con 3<br>ON                        | 266.0               | <a href="#"><u>82</u></a> |

| <u>Site</u> | <u>Address</u>          | <u>Distance (m)</u> | <u>Map Key</u>            |
|-------------|-------------------------|---------------------|---------------------------|
|             | <i>Well ID:</i> 1501440 |                     |                           |
|             | lot 6 con 3<br>ON       | 274.5               | <a href="#"><u>83</u></a> |
|             | <i>Well ID:</i> 1509636 |                     |                           |
|             | lot 4 con 3<br>ON       | 276.3               | <a href="#"><u>84</u></a> |
|             | <i>Well ID:</i> 1501408 |                     |                           |
|             | lot 5 con 2<br>ON       | 277.2               | <a href="#"><u>85</u></a> |
|             | <i>Well ID:</i> 1501209 |                     |                           |
|             | lot 6 con 3<br>ON       | 293.3               | <a href="#"><u>89</u></a> |
|             | <i>Well ID:</i> 1501425 |                     |                           |
|             | lot 6 con 3<br>ON       | 298.3               | <a href="#"><u>90</u></a> |
|             | <i>Well ID:</i> 1501443 |                     |                           |



### Map: 0.3 Kilometer Radius

Order Number: 22102100112

Address: 3493, 3497, and 3499 Innes Road, Ottawa, 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      | Park (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           |                        |



75°31'30"W

45°27'N

45°27'N



250 125 0 250 m

1:10000

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

**Aerial** Year: 2022

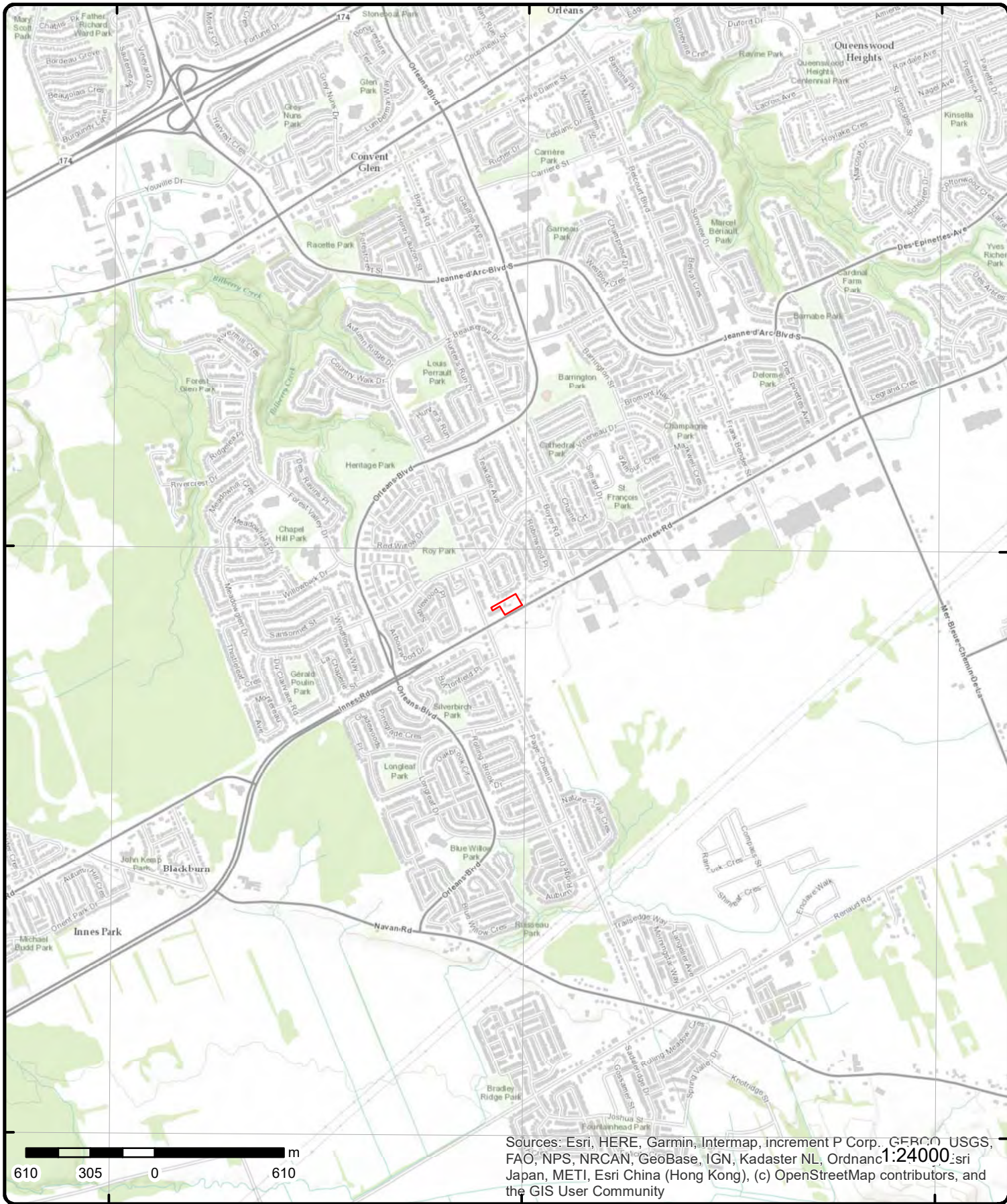
Order Number: 22102100112

**Address: 3493, 3497, and 3499 Innes Road, Ottawa, ON**



Source: ESRI World Imagery

© ERIS Information Limited Partnership



# Topographic Map

Address: 3493, 3497, and 3499 Innes Road, ON

Source: ESRI World Topographic Map

Order Number: 22102100112



© ERIS Information Limited Partnership

# Detail Report

| Map Key   | Number of Records | Direction/<br>Distance (m)   | Elev/Diff<br>(m) | Site   | DB   |
|---|-------------------|--|------------------|--|------|
| <a href="#">1</a>   | 1 of 2            | WSW/0.0  | 88.9 / 0.00      | 3493 and 3497 Innes road<br>Orléans ON K1C 1T1 | EHS  |
| <b>Order No:</b> 20200526116<br><b>Status:</b> C<br><b>Report Type:</b> RSC Report (Urban)<br><b>Report Date:</b> 29-MAY-20<br><b>Date Received:</b> 26-MAY-20<br><b>Previous Site Name:</b><br><b>Lot/Building Size:</b> 043 ha<br><b>Additional Info Ordered:</b> City Directory  |                   | <b>Nearest Intersection:</b><br><b>Municipality:</b><br><b>Client Prov/State:</b> ON<br><b>Search Radius (km):</b> .3<br><b>X:</b> -75.52619778<br><b>Y:</b> 45.44756373   |                  |  |      |
| <a href="#">1</a>   | 2 of 2            | WSW/0.0  | 88.9 / 0.00      | 3493 and 3497 Innes road<br>Orléans ON K1C 1T1 | EHS  |
| <b>Order No:</b> 20200526116<br><b>Status:</b> C<br><b>Report Type:</b> RSC Report (Urban)<br><b>Report Date:</b> 29-MAY-20<br><b>Date Received:</b> 26-MAY-20<br><b>Previous Site Name:</b><br><b>Lot/Building Size:</b> 043 ha<br><b>Additional Info Ordered:</b> City Directory  |                   | <b>Nearest Intersection:</b><br><b>Municipality:</b><br><b>Client Prov/State:</b> ON<br><b>Search Radius (km):</b> .3<br><b>X:</b> -75.52619778<br><b>Y:</b> 45.44756373   |                  |  |      |
| <a href="#">2</a>   | 1 of 1            | SSE/0.0  | 88.9 / 0.00      | lot 5 con 2<br>ON                              | WWIS |
| <b>Well ID:</b> 1501218<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> GLOUCESTER 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> 06-Dec-1960 00:00:00<br><b>Selected Flag:</b> TRUE<br><b>Abandonment Rec:</b><br><b>Contractor:</b> 1629<br><b>Form Version:</b> 1<br><b>Owner:</b><br><b>County:</b> OTTAWA-CARLETON<br><b>Lot:</b> 005<br><b>Concession:</b> 02<br><b>Concession Name:</b> OF<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\1501218.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501218.pdf</a>  |                  |  |      |

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

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

**Well Completed Date:** 1960/12/06  
**Year Completed:** 1960  
**Depth (m):** 11.2776  
**Latitude:** 45.4474418679155  
**Longitude:** -75.5259526163014  
**Path:** 150\1501218.pdf

**Bore Hole Information**

|                                     |  |                         |                                 |
|-------------------------------------|--|-------------------------|---------------------------------|
| <b>Bore Hole ID:</b>                | 10023261   | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                       |  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>              |  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                     |  | <b>East83:</b>          | 458870.80                       |
| <b>Code OB Desc:</b>                |  | <b>North83:</b>         | 5032792.00                      |
| <b>Open Hole:</b>                   |  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                |  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>              | 06-Dec-1960 00:00:00   | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                     |  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>             | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>            |  |                         |                                 |

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

**Formation ID:** 930991266  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 09  
**Most Common Material:** MEDIUM SAND  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 1.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 930991267  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 1.0  
**Formation End Depth:** 37.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well**

| <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>Use</u></b>                           |                          |                                |                      |             |           |
| <i>Method Construction ID:</i>              |                          | 961501218                      |                      |             |           |
| <i>Method Construction Code:</i>            |                          | 1                              |                      |             |           |
| <i>Method Construction:</i>                 |                          | Cable Tool                     |                      |             |           |
| <i>Other Method Construction:</i>           |                          |                                |                      |             |           |
| <b><u>Pipe Information</u></b>              |                          |                                |                      |             |           |
| <i>Pipe ID:</i>                             |                          | 10571831                       |                      |             |           |
| <i>Casing No:</i>                           |                          | 1                              |                      |             |           |
| <i>Comment:</i>                             |                          |                                |                      |             |           |
| <i>Alt Name:</i>                            |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                |                      |             |           |
| <i>Casing ID:</i>                           |                          | 930039415                      |                      |             |           |
| <i>Layer:</i>                               |                          | 1                              |                      |             |           |
| <i>Material:</i>                            |                          | 1                              |                      |             |           |
| <i>Open Hole or Material:</i>               |                          | STEEL                          |                      |             |           |
| <i>Depth From:</i>                          |                          |                                |                      |             |           |
| <i>Depth To:</i>                            |                          | 6.0                            |                      |             |           |
| <i>Casing Diameter:</i>                     |                          | 2.0                            |                      |             |           |
| <i>Casing Diameter UOM:</i>                 |                          | inch                           |                      |             |           |
| <i>Casing Depth UOM:</i>                    |                          | ft                             |                      |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                |                      |             |           |
| <i>Casing ID:</i>                           |                          | 930039416                      |                      |             |           |
| <i>Layer:</i>                               |                          | 2                              |                      |             |           |
| <i>Material:</i>                            |                          | 4                              |                      |             |           |
| <i>Open Hole or Material:</i>               |                          | OPEN HOLE                      |                      |             |           |
| <i>Depth From:</i>                          |                          |                                |                      |             |           |
| <i>Depth To:</i>                            |                          | 37.0                           |                      |             |           |
| <i>Casing Diameter:</i>                     |                          | 2.0                            |                      |             |           |
| <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>                        |                          | 991501218                      |                      |             |           |
| <i>Pump Set At:</i>                         |                          |                                |                      |             |           |
| <i>Static Level:</i>                        |                          | 8.0                            |                      |             |           |
| <i>Final Level After Pumping:</i>           |                          | 20.0                           |                      |             |           |
| <i>Recommended Pump Depth:</i>              |                          | 20.0                           |                      |             |           |
| <i>Pumping Rate:</i>                        |                          | 4.0                            |                      |             |           |
| <i>Flowing Rate:</i>                        |                          |                                |                      |             |           |
| <i>Recommended Pump Rate:</i>               |                          | 2.0                            |                      |             |           |
| <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>                 |                          | 2                              |                      |             |           |
| <i>Pumping Duration MIN:</i>                |                          | 0                              |                      |             |           |
| <i>Flowing:</i>                             |                          | No                             |                      |             |           |
| <b><u>Water Details</u></b>                 |                          |                                |                      |             |           |
| <i>Water ID:</i>                            |                          | 933453911                      |                      |             |           |
| <i>Layer:</i>                               |                          | 1                              |                      |             |           |

| Map Key                       | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site               | DB                |
|-------------------------------|-------------------|----------------------------|------------------|--------------------|-------------------|
| <b>Kind Code:</b>             | 1                 |                            |                  |                    |                   |
| <b>Kind:</b>                  | FRESH             |                            |                  |                    |                   |
| <b>Water Found Depth:</b>     | 37.0              |                            |                  |                    |                   |
| <b>Water Found Depth UOM:</b> | ft                |                            |                  |                    |                   |
| <b>Links</b>                  |                   |                            |                  |                    |                   |
| <b>Bore Hole ID:</b>          | 10023261          |                            |                  | <b>Tag No:</b>     |                   |
| <b>Depth M:</b>               | 11.2776           |                            |                  | <b>Contractor:</b> | 1629              |
| <b>Year Completed:</b>        | 1960              |                            |                  | <b>Path:</b>       | 150\1501218.pdf   |
| <b>Well Completed Dt:</b>     | 1960/12/06        |                            |                  | <b>Latitude:</b>   | 45.4474418679155  |
| <b>Audit No:</b>              |                   |                            |                  | <b>Longitude:</b>  | -75.5259526163014 |

|                            |                     |       |             |                           |                      |
|----------------------------|---------------------|-------|-------------|---------------------------|----------------------|
| <u>3</u>                   | 1 of 1              | E/0.0 | 88.9 / 0.00 | lot 5 con 2<br>ON         | WWIS                 |
| <b>Well ID:</b>            | 1501219             |       |             | <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>     | 07-May-1962 00:00:00 |
| <b>Water Type:</b>         |                     |       |             | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>    |                     |       |             | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>           |                     |       |             | <b>Contractor:</b>        | 2311                 |
| <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>               | 005                  |
| <b>Depth to Bedrock:</b>   |                     |       |             | <b>Concession:</b>        | 02                   |
| <b>Well Depth:</b>         |                     |       |             | <b>Concession Name:</b>   | OF                   |
| <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>       | GLOUCESTER TOWNSHIP |       |             |                           |                      |
| <b>Site Info:</b>          |                     |       |             |                           |                      |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501219.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501219.pdf)

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

**Well Completed Date:** 1962/05/02  
**Year Completed:** 1962  
**Depth (m):** 16.1544  
**Latitude:** 45.4475780578227  
**Longitude:** -75.5256981249693  
**Path:** 150\1501219.pdf

**Bore Hole Information**

|                              |  |                         |                                 |
|------------------------------|--|-------------------------|---------------------------------|
| <b>Bore Hole ID:</b>         | 10023262   | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                |  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>       |  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>              |  | <b>East83:</b>          | 458890.80                       |
| <b>Code OB Desc:</b>         |  | <b>North83:</b>         | 5032807.00                      |
| <b>Open Hole:</b>            |  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>         |  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>       | 02-May-1962 00:00:00   | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>              |  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>      | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m |                         |                                 |
| <b>Elevrc Desc:</b>          |  |                         |                                 |
| <b>Location Source Date:</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>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>                            |                          | 930991268                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Color:</b>                                   |                          |                                    |                          |             |           |
| <b>General Color:</b>                           |                          |                                    |                          |             |           |
| <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>                     |                          | 0.0                                |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 3.0                                |                          |             |           |
| <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>                            |                          | 930991269                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 2                                  |                          |             |           |
| <b>Color:</b>                                   |                          |                                    |                          |             |           |
| <b>General Color:</b>                           |                          |                                    |                          |             |           |
| <b>Mat1:</b>                                    |                          | 15                                 |                          |             |           |
| <b>Most Common Material:</b>                    |                          | LIMESTONE                          |                          |             |           |
| <b>Mat2:</b>                                    |                          |                                    |                          |             |           |
| <b>Mat2 Desc:</b>                               |                          |                                    |                          |             |           |
| <b>Mat3:</b>                                    |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                               |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 3.0                                |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 53.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | ft                                 |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b><u>Method of Construction &amp; Well</u></b> |                          |                                    |                          |             |           |
| <b><u>Use</u></b>                               |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                  |                          | 961501219                          |                          |             |           |
| <b>Method Construction Code:</b>                |                          | 1                                  |                          |             |           |
| <b>Method Construction:</b>                     |                          | Cable Tool                         |                          |             |           |
| <b>Other Method Construction:</b>               |                          |                                    |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                  |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>                                 |                          | 10571832                           |                          |             |           |
| <b>Casing No:</b>                               |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                                 |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                |                          |                                    |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>      |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                               |                          | 930039418                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 2                                  |                          |             |           |
| <b>Material:</b>                                |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                   |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                              |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                |                          | 53.0                               |                          |             |           |

| Map Key                                     | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site               | DB                |
|---|-------------------|----------------------------|------------------|--------------------|-------------------|
| <b>Casing Diameter:</b>                     |                   | 4.0                        |                  |                    |                   |
| <b>Casing Diameter UOM:</b>                 |                   | inch                       |                  |                    |                   |
| <b>Casing Depth UOM:</b>                    |                   | ft                         |                  |                    |                   |
| <b><u>Construction Record - Casing</u></b>  |                   |                            |                  |                    |                   |
| <b>Casing ID:</b>                           |                   | 930039417                  |                  |                    |                   |
| <b>Layer:</b>                               |                   | 1                          |                  |                    |                   |
| <b>Material:</b>                            |                   | 1                          |                  |                    |                   |
| <b>Open Hole or Material:</b>               |                   | STEEL                      |                  |                    |                   |
| <b>Depth From:</b>                          |                   |                            |                  |                    |                   |
| <b>Depth To:</b>                            |                   | 10.0                       |                  |                    |                   |
| <b>Casing Diameter:</b>                     |                   | 4.0                        |                  |                    |                   |
| <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>                        |                   | 991501219                  |                  |                    |                   |
| <b>Pump Set At:</b>                         |                   |                            |                  |                    |                   |
| <b>Static Level:</b>                        |                   | 6.0                        |                  |                    |                   |
| <b>Final Level After Pumping:</b>           |                   | 10.0                       |                  |                    |                   |
| <b>Recommended Pump Depth:</b>              |                   | 20.0                       |                  |                    |                   |
| <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>         |                   | 1                          |                  |                    |                   |
| <b>Water State After Test:</b>              |                   | CLEAR                      |                  |                    |                   |
| <b>Pumping Test Method:</b>                 |                   | 1                          |                  |                    |                   |
| <b>Pumping Duration HR:</b>                 |                   | 1                          |                  |                    |                   |
| <b>Pumping Duration MIN:</b>                |                   | 0                          |                  |                    |                   |
| <b>Flowing:</b>                             |                   | No                         |                  |                    |                   |
| <b><u>Water Details</u></b>                 |                   |                            |                  |                    |                   |
| <b>Water ID:</b>                            |                   | 933453912                  |                  |                    |                   |
| <b>Layer:</b>                               |                   | 1                          |                  |                    |                   |
| <b>Kind Code:</b>                           |                   | 1                          |                  |                    |                   |
| <b>Kind:</b>                                |                   | FRESH                      |                  |                    |                   |
| <b>Water Found Depth:</b>                   |                   | 20.0                       |                  |                    |                   |
| <b>Water Found Depth UOM:</b>               |                   | ft                         |                  |                    |                   |
| <b><u>Links</u></b>                         |                   |                            |                  |                    |                   |
| <b>Bore Hole ID:</b>                        |                   | 10023262                   |                  | <b>Tag No:</b>     |                   |
| <b>Depth M:</b>                             |                   | 16.1544                    |                  | <b>Contractor:</b> | 2311              |
| <b>Year Completed:</b>                      |                   | 1962                       |                  | <b>Path:</b>       | 150\1501219.pdf   |
| <b>Well Completed Dt:</b>                   |                   | 1962/05/02                 |                  | <b>Latitude:</b>   | 45.4475780578227  |
| <b>Audit No:</b>                            |                   |                            |                  | <b>Longitude:</b>  | -75.5256981249693 |

|                           |        |                          |             |  |                      |
|---------------------------|--------|--------------------------|-------------|--|----------------------|
| <a href="#">4</a>         | 1 of 1 | SW/0.0                   | 88.9 / 0.00 | 3493 Innes rd lot 5 con 2<br>Ottawa ON | WWIS                 |
| <b>Well ID:</b>           |        | 7365221                  |             | <b>Flowing (Y/N):</b>                  |                      |
| <b>Construction Date:</b> |        |                          |             | <b>Flow Rate:</b>                      |                      |
| <b>Use 1st:</b>           |        | Monitoring and Test Hole |             | <b>Data Entry Status:</b>              |                      |
| <b>Use 2nd:</b>           |        |                          |             | <b>Data Src:</b>                       |                      |
| <b>Final Well Status:</b> |        | Monitoring and Test Hole |             | <b>Date Received:</b>                  | 14-Aug-2020 00:00:00 |



| Map Key                     | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                    | DB              |
|-----------------------------|-------------------|----------------------------|------------------|-------------------------|-----------------|
| <b>Water Type:</b>          |                   |                            |                  | <b>Selected Flag:</b>   | TRUE            |
| <b>Casing Material:</b>     |                   |                            |                  | <b>Abandonment Rec:</b> |                 |
| <b>Audit No:</b>            | Z338399           |                            |                  | <b>Contractor:</b>      | 7241            |
| <b>Tag:</b>                 | A296206           |                            |                  | <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>             | 005             |
| <b>Depth to Bedrock:</b>    |                   |                            |                  | <b>Concession:</b>      | 02              |
| <b>Well Depth:</b>          |                   |                            |                  | <b>Concession Name:</b> | OF              |
| <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>        |                   | GLOUCESTER TOWNSHIP        |                  |                         |                 |
| <b>Site Info:</b>           |                   |                            |                  |                         |                 |

#### Bore Hole Information

|                                     |                      |                      |  |                         |                                |
|-------------------------------------|----------------------|----------------------|--|-------------------------|--------------------------------|
| <b>Bore Hole ID:</b>                | 1008444786           |                      |  | <b>Elevation:</b>       |                                |
| <b>DP2BR:</b>                       |                      |                      |  | <b>Elevrc:</b>          |                                |
| <b>Spatial Status:</b>              |                      |                      |  | <b>Zone:</b>            | 18                             |
| <b>Code OB:</b>                     |                      |                      |  | <b>East83:</b>          | 458840.00                      |
| <b>Code OB Desc:</b>                |                      |                      |  | <b>North83:</b>         | 5032786.00                     |
| <b>Open Hole:</b>                   |                      |                      |  | <b>Org CS:</b>          | UTM83                          |
| <b>Cluster Kind:</b>                |                      |                      |  | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>              | 19-Jun-2020 00:00:00 |                      |  | <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>            |                      |                      |  |                         |                                |

#### Overburden and Bedrock

##### Materials Interval

|                                 |                    |
|---------------------------------|--------------------|
| <b>Formation ID:</b>            | 1008746188         |
| <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>                    | 06                 |
| <b>Mat2 Desc:</b>               | SILT               |
| <b>Mat3:</b>                    | 85                 |
| <b>Mat3 Desc:</b>               | SOFT               |
| <b>Formation Top Depth:</b>     | 0.3100000023841858 |
| <b>Formation End Depth:</b>     | 0.9100000262260437 |
| <b>Formation End Depth UOM:</b> | m                  |

#### Overburden and Bedrock

##### Materials Interval

|                              |            |
|------------------------------|------------|
| <b>Formation ID:</b>         | 1008746187 |
| <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>                 | 77         |
| <b>Mat2 Desc:</b>            | LOOSE      |

| <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>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                         |                          |                                    | 0.0                      |             |           |
| <b>Formation End Depth:</b>                         |                          |                                    | 0.3100000023841858       |             |           |
| <b>Formation End Depth UOM:</b>                     |                          |                                    | m                        |             |           |
| <br><b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                    |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                                |                          |                                    | 1008746189               |             |           |
| <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>  |                          |                                    | 74                       |             |           |
| <b>Mat2 Desc:</b>                                   |                          |                                    | LAYERED                  |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                         |                          |                                    | 0.9100000262260437       |             |           |
| <b>Formation End Depth:</b>                         |                          |                                    | 7.619999885559082        |             |           |
| <b>Formation End Depth UOM:</b>                     |                          |                                    | m                        |             |           |
| <br><b><u>Annular Space/Abandonment</u></b>         |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>                        |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                                     |                          |                                    | 1008746271               |             |           |
| <b>Layer:</b>                                       |                          |                                    | 1                        |             |           |
| <b>Plug From:</b>                                   |                          |                                    | 0.0                      |             |           |
| <b>Plug To:</b>                                     |                          |                                    | 0.3100000023841858       |             |           |
| <b>Plug Depth UOM:</b>                              |                          |                                    | m                        |             |           |
| <br><b><u>Annular Space/Abandonment</u></b>         |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>                        |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                                     |                          |                                    | 1008746273               |             |           |
| <b>Layer:</b>                                       |                          |                                    | 3                        |             |           |
| <b>Plug From:</b>                                   |                          |                                    | 4.269999980926514        |             |           |
| <b>Plug To:</b>                                     |                          |                                    | 7.619999885559082        |             |           |
| <b>Plug Depth UOM:</b>                              |                          |                                    | m                        |             |           |
| <br><b><u>Annular Space/Abandonment</u></b>         |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>                        |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                                     |                          |                                    | 1008746272               |             |           |
| <b>Layer:</b>                                       |                          |                                    | 2                        |             |           |
| <b>Plug From:</b>                                   |                          |                                    | 0.3100000023841858       |             |           |
| <b>Plug To:</b>                                     |                          |                                    | 4.269999980926514        |             |           |
| <b>Plug Depth UOM:</b>                              |                          |                                    | m                        |             |           |
| <br><b><u>Method of Construction &amp; Well</u></b> |                          |                                    |                          |             |           |
| <b><u>Use</u></b>                                   |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                      |                          |                                    | 1008746373               |             |           |
| <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>                                     |                          |                                    | 1008746109               |             |           |

| <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 No:</b>                           | 0                        |                                    |                          |             |           |
| <b>Comment:</b>                             |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                            |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           | 1008746403               |                                    |                          |             |           |
| <b>Layer:</b>                               | 1                        |                                    |                          |             |           |
| <b>Material:</b>                            | 5                        |                                    |                          |             |           |
| <b>Open Hole or Material:</b>               | PLASTIC                  |                                    |                          |             |           |
| <b>Depth From:</b>                          | 0.0                      |                                    |                          |             |           |
| <b>Depth To:</b>                            | 4.570000171661377        |                                    |                          |             |           |
| <b>Casing Diameter:</b>                     | 5.19999809265137         |                                    |                          |             |           |
| <b>Casing Diameter UOM:</b>                 | cm                       |                                    |                          |             |           |
| <b>Casing Depth UOM:</b>                    | m                        |                                    |                          |             |           |
| <b><u>Construction Record - Screen</u></b>  |                          |                                    |                          |             |           |
| <b>Screen ID:</b>                           | 1008746433               |                                    |                          |             |           |
| <b>Layer:</b>                               | 1                        |                                    |                          |             |           |
| <b>Slot:</b>                                | 10                       |                                    |                          |             |           |
| <b>Screen Top Depth:</b>                    | 4.570000171661377        |                                    |                          |             |           |
| <b>Screen End Depth:</b>                    | 7.619999885559082        |                                    |                          |             |           |
| <b>Screen Material:</b>                     | 5                        |                                    |                          |             |           |
| <b>Screen Depth UOM:</b>                    | m                        |                                    |                          |             |           |
| <b>Screen Diameter UOM:</b>                 | cm                       |                                    |                          |             |           |
| <b>Screen Diameter:</b>                     | 6.03000020980835         |                                    |                          |             |           |
| <b><u>Results of Well Yield Testing</u></b> |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b>            |                          |                                    |                          |             |           |
| <b>Pump Test ID:</b>                        | 1008746463               |                                    |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          |                                    |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          |                                    |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          |                                    |                          |             |           |
| <b>Pumping Rate:</b>                        |                          |                                    |                          |             |           |
| <b>Flowing Rate:</b>                        |                          |                                    |                          |             |           |
| <b>Recommended Pump Rate:</b>               |                          |                                    |                          |             |           |
| <b>Levels UOM:</b>                          | m                        |                                    |                          |             |           |
| <b>Rate UOM:</b>                            | LPM                      |                                    |                          |             |           |
| <b>Water State After Test Code:</b>         |                          |                                    |                          |             |           |
| <b>Water State After Test:</b>              |                          |                                    |                          |             |           |
| <b>Pumping Test Method:</b>                 | 0                        |                                    |                          |             |           |
| <b>Pumping Duration HR:</b>                 |                          |                                    |                          |             |           |
| <b>Pumping Duration MIN:</b>                |                          |                                    |                          |             |           |
| <b>Flowing:</b>                             |                          |                                    |                          |             |           |
| <b><u>Hole Diameter</u></b>                 |                          |                                    |                          |             |           |
| <b>Hole ID:</b>                             | 1008746342               |                                    |                          |             |           |
| <b>Diameter:</b>                            | 8.890000343322754        |                                    |                          |             |           |
| <b>Depth From:</b>                          | 1.2200000286102295       |                                    |                          |             |           |
| <b>Depth To:</b>                            | 7.619999885559082        |                                    |                          |             |           |
| <b>Hole Depth UOM:</b>                      | m                        |                                    |                          |             |           |
| <b>Hole Diameter UOM:</b>                   | cm                       |                                    |                          |             |           |
| <b><u>Hole Diameter</u></b>                 |                          |                                    |                          |             |           |
| <b>Hole ID:</b>                             | 1008746341               |                                    |                          |             |           |
| <b>Diameter:</b>                            | 11.430000305175781       |                                    |                          |             |           |
| <b>Depth From:</b>                          | 0.0                      |                                    |                          |             |           |

| Map Key            | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site        | DB                |
|--------------------|-------------------|----------------------------|------------------|-------------|-------------------|
| Depth To:          |                   | 1.2200000286102295         |                  |             |                   |
| Hole Depth UOM:    |                   | m                          |                  |             |                   |
| Hole Diameter UOM: |                   | cm                         |                  |             |                   |
| <b>Links</b>       |                   |                            |                  |             |                   |
| Bore Hole ID:      | 1008444786        |                            |                  | Tag No:     | A296206           |
| Depth M:           | 7.62              |                            |                  | Contractor: | 7241              |
| Year Completed:    | 2020              |                            |                  | Path:       | 736\7365221.pdf   |
| Well Completed Dt: | 2020/06/19        |                            |                  | Latitude:   | 45.4473860486948  |
| Audit No:          | Z338399           |                            |                  | Longitude:  | -75.5263459620241 |

|                     |                          |         |             |  |                      |
|---------------------|--------------------------|---------|-------------|--|----------------------|
| <a href="#">5</a>   | 1 of 1                   | WSW/0.0 | 90.1 / 1.17 | 3493 Innes road lot 5 con 2<br>Ottawa ON | WWIS                 |
| Well ID:            | 7365220                  |         |             | Flowing (Y/N):                           |                      |
| Construction Date:  |                          |         |             | Flow Rate:                               |                      |
| Use 1st:            | Monitoring and Test Hole |         |             | Data Entry Status:                       |                      |
| Use 2nd:            |                          |         |             | Data Src:                                |                      |
| Final Well Status:  | Monitoring and Test Hole |         |             | Date Received:                           | 14-Aug-2020 00:00:00 |
| Water Type:         |                          |         |             | Selected Flag:                           | TRUE                 |
| Casing Material:    |                          |         |             | Abandonment Rec:                         |                      |
| Audit No:           | Z338400                  |         |             | Contractor:                              | 7241                 |
| Tag:                | A296207                  |         |             | Form Version:                            | 7                    |
| Constructn Method:  |                          |         |             | Owner:                                   |                      |
| Elevation (m):      |                          |         |             | County:                                  | OTTAWA-CARLETON      |
| Elevatn Reliabilty: |                          |         |             | Lot:                                     | 005                  |
| Depth to Bedrock:   |                          |         |             | Concession:                              | 02                   |
| Well Depth:         |                          |         |             | Concession Name:                         | OF                   |
| Overburden/Bedrock: |                          |         |             | Easting NAD83:                           |                      |
| Pump Rate:          |                          |         |             | Northing NAD83:                          |                      |
| Static Water Level: |                          |         |             | Zone:                                    |                      |
| Clear/Cloudy:       |                          |         |             | UTM Reliability:                         |                      |
| Municipality:       | GLOUCESTER TOWNSHIP      |         |             |  |                      |
| Site Info:          |                          |         |             |  |                      |

**Bore Hole Information**

|                              |                      |  |  |                  |                                |
|------------------------------|----------------------|--|--|------------------|--------------------------------|
| Bore Hole ID:                | 1008444783           |  |  | Elevation:       |                                |
| DP2BR:                       |                      |  |  | Elevrc:          |                                |
| Spatial Status:              |                      |  |  | Zone:            | 18                             |
| Code OB:                     |                      |  |  | East83:          | 458794.00                      |
| Code OB Desc:                |                      |  |  | North83:         | 5032791.00                     |
| Open Hole:                   |                      |  |  | Org CS:          | UTM83                          |
| Cluster Kind:                |                      |  |  | UTMRC:           | 4                              |
| Date Completed:              | 19-Jun-2020 00:00:00 |  |  | UTMRC Desc:      | margin of error : 30 m - 100 m |
| Remarks:                     |                      |  |  | Location Method: | wwr                            |
| Loc Method Desc:             | on Water Well Record |  |  |                  |                                |
| Elevrc Desc:                 |                      |  |  |                  |                                |
| Location Source Date:        |                      |  |  |                  |                                |
| Improvement Location Source: |                      |  |  |                  |                                |
| Improvement Location Method: |                      |  |  |                  |                                |
| Source Revision Comment:     |                      |  |  |                  |                                |
| Supplier Comment:            |                      |  |  |                  |                                |

**Overburden and Bedrock**

**Materials Interval**

|                |            |
|----------------|------------|
| Formation ID:  | 1008746184 |
| Layer:         | 1          |
| Color:         | 6          |
| General Color: | 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>  |                          | 02                                 |                          |             |           |
| <b>Most Common Material:</b>                            |                          | TOPSOIL                            |                          |             |           |
| <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>                             |                          | 0.3100000023841858                 |                          |             |           |
| <b>Formation End Depth UOM:</b>                         |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                                    |                          | 1008746186                         |                          |             |           |
| <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>  |                          | 74                                 |                          |             |           |
| <b>Mat3 Desc:</b>                                       |                          | LAYERED                            |                          |             |           |
| <b>Formation Top Depth:</b>                             |                          | 0.9100000262260437                 |                          |             |           |
| <b>Formation End Depth:</b>                             |                          | 7.619999885559082                  |                          |             |           |
| <b>Formation End Depth UOM:</b>                         |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                                    |                          | 1008746185                         |                          |             |           |
| <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>  |                          | 06                                 |                          |             |           |
| <b>Mat2 Desc:</b>                                       |                          | SILT                               |                          |             |           |
| <b>Mat3:</b>  |                          | 85                                 |                          |             |           |
| <b>Mat3 Desc:</b>                                       |                          | SOFT                               |                          |             |           |
| <b>Formation Top Depth:</b>                             |                          | 0.3100000023841858                 |                          |             |           |
| <b>Formation End Depth:</b>                             |                          | 0.9100000262260437                 |                          |             |           |
| <b>Formation End Depth UOM:</b>                         |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1008746269                         |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>                                       |                          | 0.3100000023841858                 |                          |             |           |
| <b>Plug To:</b>   |                          | 4.26999980926514                   |                          |             |           |
| <b>Plug Depth UOM:</b>                                  |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1008746270                         |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>                                       |                          | 4.26999980926514                   |                          |             |           |
| <b>Plug To:</b>   |                          | 7.619999885559082                  |                          |             |           |
| <b>Plug Depth UOM:</b>                                  |                          | m                                  |                          |             |           |

| <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>Annular Space/Abandonment Sealing Record</u></b> |                          |                                    |                          |             |           |
| <b>Plug ID:</b>  |                          | 1008746268                         |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>                                      |                          | 0.0                                |                          |             |           |
| <b>Plug To:</b>  |                          | 0.3100000023841858                 |                          |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | m                                  |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>    |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                         |                          | 1008746372                         |                          |             |           |
| <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>  |                          | 1008746108                         |                          |             |           |
| <b>Casing No:</b>                                      |                          | 0                                  |                          |             |           |
| <b>Comment:</b>  |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                       |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>             |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                      |                          | 1008746402                         |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                       |                          | 5                                  |                          |             |           |
| <b>Open Hole or Material:</b>                          |                          | PLASTIC                            |                          |             |           |
| <b>Depth From:</b>                                     |                          | 0.0                                |                          |             |           |
| <b>Depth To:</b>                                       |                          | 4.570000171661377                  |                          |             |           |
| <b>Casing Diameter:</b>                                |                          | 5.199999809265137                  |                          |             |           |
| <b>Casing Diameter UOM:</b>                            |                          | cm                                 |                          |             |           |
| <b>Casing Depth UOM:</b>                               |                          | m                                  |                          |             |           |
| <b><u>Construction Record - Screen</u></b>             |                          |                                    |                          |             |           |
| <b>Screen ID:</b>                                      |                          | 1008746432                         |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Slot:</b>   |                          | 10                                 |                          |             |           |
| <b>Screen Top Depth:</b>                               |                          | 4.570000171661377                  |                          |             |           |
| <b>Screen End Depth:</b>                               |                          | 7.619999885559082                  |                          |             |           |
| <b>Screen Material:</b>                                |                          | 5                                  |                          |             |           |
| <b>Screen Depth UOM:</b>                               |                          | m                                  |                          |             |           |
| <b>Screen Diameter UOM:</b>                            |                          | cm                                 |                          |             |           |
| <b>Screen Diameter:</b>                                |                          | 6.03000020980835                   |                          |             |           |
| <b><u>Results of Well Yield Testing</u></b>            |                          |                                    |                          |             |           |
| <b>Pumping Test Method Desc:</b>                       |                          |                                    |                          |             |           |
| <b>Pump Test ID:</b>                                   |                          | 1008746462                         |                          |             |           |
| <b>Pump Set At:</b>                                    |                          |                                    |                          |             |           |
| <b>Static Level:</b>                                   |                          |                                    |                          |             |           |
| <b>Final Level After Pumping:</b>                      |                          |                                    |                          |             |           |
| <b>Recommended Pump Depth:</b>                         |                          |                                    |                          |             |           |
| <b>Pumping Rate:</b>                                   |                          |                                    |                          |             |           |
| <b>Flowing Rate:</b>                                   |                          |                                    |                          |             |           |
| <b>Recommended Pump Rate:</b>                          |                          |                                    |                          |             |           |
| <b>Levels UOM:</b>                                     |                          | m                                  |                          |             |           |
| <b>Rate UOM:</b>                                       |                          | LPM                                |                          |             |           |
| <b>Water State After Test Code:</b>                    |                          |                                    |                          |             |           |

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

Water State After Test:  
Pumping Test Method:  
Pumping Duration HR:  
Pumping Duration MIN:  
Flowing:

0

Hole Diameter

Hole ID: 1008746339  
Diameter: 11.430000305175781  
Depth From: 0.0  
Depth To: 1.2200000286102295  
Hole Depth UOM: m  
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1008746340  
Diameter: 8.890000343322754  
Depth From: 1.2200000286102295  
Depth To: 7.619999885559082  
Hole Depth UOM: m  
Hole Diameter UOM: cm

Links

|                    |            |             |                   |
|--------------------|------------|-------------|-------------------|
| Bore Hole ID:      | 1008444783 | Tag No:     | A296207           |
| Depth M:           | 7.62       | Contractor: | 7241              |
| Year Completed:    | 2020       | Path:       | 736\7365220.pdf   |
| Well Completed Dt: | 2020/06/19 | Latitude:   | 45.4474283408554  |
| Audit No:          | Z338400    | Longitude:  | -75.5269345949611 |

6

1 of 1

WSW/8.8

89.9 / 1.00

lot 5 con 2  
ON

WWIS

|                      |                     |                    |                      |
|----------------------|---------------------|--------------------|----------------------|
| Well ID:             | 1501229             | Flowing (Y/N):     |                      |
| Construction Date:   |                     | Flow Rate:         |                      |
| Use 1st:             | Commerical          | Data Entry Status: |                      |
| Use 2nd:             | Domestic            | Data Src:          | 1                    |
| Final Well Status:   | Water Supply        | Date Received:     | 29-Feb-1968 00:00:00 |
| Water Type:          |                     | Selected Flag:     | TRUE                 |
| Casing Material:     |                     | Abandonment Rec:   |                      |
| Audit No:            |                     | Contractor:        | 1504                 |
| Tag:                 |                     | Form Version:      | 1                    |
| Constructn Method:   |                     | Owner:             |                      |
| Elevation (m):       |                     | County:            | OTTAWA-CARLETON      |
| Elevatn Reliability: |                     | Lot:               | 005                  |
| Depth to Bedrock:    |                     | Concession:        | 02                   |
| Well Depth:          |                     | Concession Name:   | OF                   |
| Overburden/Bedrock:  |                     | Easting NAD83:     |                      |
| Pump Rate:           |                     | Northing NAD83:    |                      |
| Static Water Level:  |                     | Zone:              |                      |
| Clear/Cloudy:        |                     | UTM Reliability:   |                      |
| Municipality:        | GLOUCESTER TOWNSHIP |                    |                      |
| Site Info:           |                     |                    |                      |

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501229.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501229.pdf)

Additional Detail(s) (Map)

Well Completed Date: 1967/09/20  
Year Completed: 1967

| <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 (m):</b> |                          | 14.6304                            |                          |             |           |
| <b>Latitude:</b>  |                          | 45.447346554524                    |                          |             |           |
| <b>Longitude:</b> |                          | -75.5271026324045                  |                          |             |           |
| <b>Path:</b>      |                          | 150\1501229.pdf                    |                          |             |           |

**Bore Hole Information**

|                                     |  |                         |                                 |
|-------------------------------------|--|-------------------------|---------------------------------|
| <b>Bore Hole ID:</b>                | 10023272   | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                       |  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>              |  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                     |  | <b>East83:</b>          | 458780.80                       |
| <b>Code OB Desc:</b>                |  | <b>North83:</b>         | 5032782.00                      |
| <b>Open Hole:</b>                   |  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                |  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>              | 20-Sep-1967 00:00:00   | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                     |  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>             | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>            |  |                         |                                 |

**Overburden and Bedrock**

**Materials Interval**

|                                 |           |
|---------------------------------|-----------|
| <b>Formation ID:</b>            | 930991288 |
| <b>Layer:</b>                   | 1         |
| <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>     | 0.0       |
| <b>Formation End Depth:</b>     | 3.0       |
| <b>Formation End Depth UOM:</b> | ft        |

**Overburden and Bedrock**

**Materials Interval**

|                                 |           |
|---------------------------------|-----------|
| <b>Formation ID:</b>            | 930991289 |
| <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>     | 3.0       |
| <b>Formation End Depth:</b>     | 48.0      |
| <b>Formation End Depth UOM:</b> | ft        |

**Method of Construction & Well**

**Use**

|                                |           |
|--------------------------------|-----------|
| <b>Method Construction ID:</b> | 961501229 |
|--------------------------------|-----------|



| <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>            | 7                        |                                    |                          |             |           |
| <b>Method Construction:</b>                 | Diamond                  |                                    |                          |             |           |
| <b>Other Method Construction:</b>           |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>              |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>                             | 10571842                 |                                    |                          |             |           |
| <b>Casing No:</b>                           | 1                        |                                    |                          |             |           |
| <b>Comment:</b>                             |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                            |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           | 930039439                |                                    |                          |             |           |
| <b>Layer:</b>                               | 2                        |                                    |                          |             |           |
| <b>Material:</b>                            | 4                        |                                    |                          |             |           |
| <b>Open Hole or Material:</b>               | OPEN HOLE                |                                    |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            | 48.0                     |                                    |                          |             |           |
| <b>Casing Diameter:</b>                     | 2.0                      |                                    |                          |             |           |
| <b>Casing Diameter UOM:</b>                 | inch                     |                                    |                          |             |           |
| <b>Casing Depth UOM:</b>                    | ft                       |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           | 930039438                |                                    |                          |             |           |
| <b>Layer:</b>                               | 1                        |                                    |                          |             |           |
| <b>Material:</b>                            | 1                        |                                    |                          |             |           |
| <b>Open Hole or Material:</b>               | STEEL                    |                                    |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            | 16.0                     |                                    |                          |             |           |
| <b>Casing Diameter:</b>                     | 2.0                      |                                    |                          |             |           |
| <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>                        | 991501229                |                                    |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        | 20.0                     |                                    |                          |             |           |
| <b>Final Level After Pumping:</b>           | 20.0                     |                                    |                          |             |           |
| <b>Recommended Pump Depth:</b>              | 20.0                     |                                    |                          |             |           |
| <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>         | 1                        |                                    |                          |             |           |
| <b>Water State After Test:</b>              | CLEAR                    |                                    |                          |             |           |
| <b>Pumping Test Method:</b>                 | 1                        |                                    |                          |             |           |
| <b>Pumping Duration HR:</b>                 | 2                        |                                    |                          |             |           |
| <b>Pumping Duration MIN:</b>                | 0                        |                                    |                          |             |           |
| <b>Flowing:</b>                             | No                       |                                    |                          |             |           |
| <b><u>Water Details</u></b>                 |                          |                                    |                          |             |           |
| <b>Water ID:</b>                            | 933453923                |                                    |                          |             |           |
| <b>Layer:</b>                               | 1                        |                                    |                          |             |           |
| <b>Kind Code:</b>                           | 1                        |                                    |                          |             |           |
| <b>Kind:</b>                                | FRESH                    |                                    |                          |             |           |
| <b>Water Found Depth:</b>                   | 48.0                     |                                    |                          |             |           |

| Map Key                   | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site               | DB                |
|---------------------------|-------------------|----------------------------|------------------|--------------------|-------------------|
| Water Found Depth UOM:    |                   | ft                         |                  |                    |                   |
| <b>Links</b>              |                   |                            |                  |                    |                   |
| <b>Bore Hole ID:</b>      | 10023272          |                            |                  | <b>Tag No:</b>     |                   |
| <b>Depth M:</b>           | 14.6304           |                            |                  | <b>Contractor:</b> | 1504              |
| <b>Year Completed:</b>    | 1967              |                            |                  | <b>Path:</b>       | 150\1501229.pdf   |
| <b>Well Completed Dt:</b> | 1967/09/20        |                            |                  | <b>Latitude:</b>   | 45.447346554524   |
| <b>Audit No:</b>          |                   |                            |                  | <b>Longitude:</b>  | -75.5271026324045 |

|                             |   |          |             |                           |                      |
|-----------------------------|---|----------|-------------|---------------------------|----------------------|
| <u>7</u>                    | 1 of 1  | WSW/18.2 | 89.9 / 1.00 | lot 5 con 2<br>ON         | WWIS                 |
| <b>Well ID:</b>             | 1510714   |          |             | <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>     | 23-Feb-1971 00:00:00 |
| <b>Water Type:</b>          |   |          |             | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>     |   |          |             | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>            |   |          |             | <b>Contractor:</b>        | 1504                 |
| <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>               | 005                  |
| <b>Depth to Bedrock:</b>    |   |          |             | <b>Concession:</b>        | 02                   |
| <b>Well Depth:</b>          |   |          |             | <b>Concession Name:</b>   | OF                   |
| <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>        | GLOUCESTER TOWNSHIP   |          |             |                           |                      |
| <b>Site Info:</b>           |   |          |             |                           |                      |
| <b>PDF URL (Map):</b>       | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510714.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510714.pdf</a> |          |             |                           |                      |

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

|                             |                   |
|-----------------------------|-------------------|
| <b>Well Completed Date:</b> | 1970/05/09        |
| <b>Year Completed:</b>      | 1970              |
| <b>Depth (m):</b>           | 11.5824           |
| <b>Latitude:</b>            | 45.4473459643637  |
| <b>Longitude:</b>           | -75.5272305048956 |
| <b>Path:</b>                | 151\1510714.pdf   |

**Bore Hole Information**

|                                     |   |                         |                                |
|-------------------------------------|---|-------------------------|--------------------------------|
| <b>Bore Hole ID:</b>                | 10032731  | <b>Elevation:</b>       |                                |
| <b>DP2BR:</b>                       |   | <b>Elevrc:</b>          |                                |
| <b>Spatial Status:</b>              |   | <b>Zone:</b>            | 18                             |
| <b>Code OB:</b>                     |   | <b>East83:</b>          | 458770.80                      |
| <b>Code OB Desc:</b>                |   | <b>North83:</b>         | 5032782.00                     |
| <b>Open Hole:</b>                   |   | <b>Org CS:</b>          |                                |
| <b>Cluster Kind:</b>                |   | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>              | 09-May-1970 00:00:00  | <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>Map Key</b> | <b>Number of Records</b> | <b>Direction/ Distance (m)</b> | <b>Elev/Diff (m)</b> | <b>Site</b> | <b>DB</b> |
|----------------|--------------------------|--------------------------------|----------------------|-------------|-----------|
|----------------|--------------------------|--------------------------------|----------------------|-------------|-----------|

**Supplier Comment:**

**Overburden and Bedrock Materials Interval**

**Formation ID:** 931015638  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 3.0  
**Formation End Depth:** 38.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock Materials Interval**

**Formation ID:** 931015637  
**Layer:** 1  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 26  
**Most Common Material:** ROCK  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 3.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well Use**

**Method Construction ID:** 961510714  
**Method Construction Code:** 7  
**Method Construction:** Diamond  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10581301  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930058029  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 38.0  
**Casing Diameter:**  
**Casing Diameter UOM:** inch  
**Casing 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>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930058028                          |                          |             |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Material:</b>                            |                          | 2                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | GALVANIZED                         |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 20.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 2.0                                |                          |             |           |
| <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>                        |                          | 991510714                          |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          | 4.0                                |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          | 15.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          | 20.0                               |                          |             |           |
| <b>Pumping Rate:</b>                        |                          | 10.0                               |                          |             |           |
| <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>         |                          | 1                                  |                          |             |           |
| <b>Water State After Test:</b>              |                          | CLEAR                              |                          |             |           |
| <b>Pumping Test Method:</b>                 |                          | 1                                  |                          |             |           |
| <b>Pumping Duration HR:</b>                 |                          | 2                                  |                          |             |           |
| <b>Pumping Duration MIN:</b>                |                          | 0                                  |                          |             |           |
| <b>Flowing:</b>                             |                          | No                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934641199                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 45                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 15.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934380040                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 30                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 15.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934097305                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 15                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 15.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934897985                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |

| Map Key                | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|------------------------|-------------------|----------------------------|------------------|------|----|
| <b>Test Duration:</b>  |                   | 60                         |                  |      |    |
| <b>Test Level:</b>     |                   | 15.0                       |                  |      |    |
| <b>Test Level UOM:</b> |                   | ft                         |                  |      |    |

**Water Details**

**Water ID:** 933465747  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 38.0  
**Water Found Depth UOM:** ft

**Links**

|                           |            |                    |                   |
|---------------------------|------------|--------------------|-------------------|
| <b>Bore Hole ID:</b>      | 10032731   | <b>Tag No:</b>     |                   |
| <b>Depth M:</b>           | 11.5824    | <b>Contractor:</b> | 1504              |
| <b>Year Completed:</b>    | 1970       | <b>Path:</b>       | 151\1510714.pdf   |
| <b>Well Completed Dt:</b> | 1970/05/09 | <b>Latitude:</b>   | 45.4473459643637  |
| <b>Audit No:</b>          |            | <b>Longitude:</b>  | -75.5272305048956 |

|          |        |        |             |                   |      |
|----------|--------|--------|-------------|-------------------|------|
| <u>8</u> | 1 of 1 | W/23.6 | 89.9 / 1.00 | lot 5 con 2<br>ON | WWIS |
|----------|--------|--------|-------------|-------------------|------|

|                            |                     |                           |                      |
|----------------------------|---------------------|---------------------------|----------------------|
| <b>Well ID:</b>            | 1510715             | <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>     | 23-Feb-1971 00:00:00 |
| <b>Water Type:</b>         |                     | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>    |                     | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>           |                     | <b>Contractor:</b>        | 1504                 |
| <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>               | 005                  |
| <b>Depth to Bedrock:</b>   |                     | <b>Concession:</b>        | 02                   |
| <b>Well Depth:</b>         |                     | <b>Concession Name:</b>   | OF                   |
| <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>       | GLOUCESTER TOWNSHIP |                           |                      |
| <b>Site Info:</b>          |                     |                           |                      |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1510715.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510715.pdf)

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

**Well Completed Date:** 1970/04/03  
**Year Completed:** 1970  
**Depth (m):** 9.7536  
**Latitude:** 45.4475253908  
**Longitude:** -75.5273600548505  
**Path:** 151\1510715.pdf

**Bore Hole Information**

|                        |          |                   |           |
|------------------------|----------|-------------------|-----------|
| <b>Bore Hole ID:</b>   | 10032732 | <b>Elevation:</b> |           |
| <b>DP2BR:</b>          |          | <b>Elevrc:</b>    |           |
| <b>Spatial Status:</b> |          | <b>Zone:</b>      | 18        |
| <b>Code OB:</b>        |          | <b>East83:</b>    | 458760.80 |

| <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>Code OB Desc:</i>                                |                          |   |                      | <i>North83:</i>         | 5032802.00                     |
| <i>Open Hole:</i>                                   |                          |   |                      | <i>Org CS:</i>          |                                |
| <i>Cluster Kind:</i>                                |                          |   |                      | <i>UTMRC:</i>           | 4                              |
| <i>Date Completed:</i>                              | 03-Apr-1970 00:00:00     |   |                      | <i>UTMRC Desc:</i>      | margin of error : 30 m - 100 m |
| <i>Remarks:</i>                                     |                          |   |                      | <i>Location Method:</i> | p4                             |
| <i>Loc Method Desc:</i>                             |                          | Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m |                      |                         |                                |
| <i>Elevrc Desc:</i>                                 |                          |   |                      |                         |                                |
| <i>Location Source Date:</i>                        |                          |   |                      |                         |                                |
| <i>Improvement Location Source:</i>                 |                          |   |                      |                         |                                |
| <i>Improvement Location Method:</i>                 |                          |   |                      |                         |                                |
| <i>Source Revision Comment:</i>                     |                          |   |                      |                         |                                |
| <i>Supplier Comment:</i>                            |                          |   |                      |                         |                                |
| <br>  |                          |   |                      |                         |                                |
| <u><i>Overburden and Bedrock</i></u>                |                          |   |                      |                         |                                |
| <u><i>Materials Interval</i></u>                    |                          |   |                      |                         |                                |
| <i>Formation ID:</i>                                |                          | 931015639   |                      |                         |                                |
| <i>Layer:</i>                                       |                          | 1   |                      |                         |                                |
| <i>Color:</i>                                       |                          | 2   |                      |                         |                                |
| <i>General Color:</i>                               |                          | GREY  |                      |                         |                                |
| <i>Mat1:</i>  |                          | 26  |                      |                         |                                |
| <i>Most Common Material:</i>                        |                          | ROCK  |                      |                         |                                |
| <i>Mat2:</i>  |                          |   |                      |                         |                                |
| <i>Mat2 Desc:</i>                                   |                          |   |                      |                         |                                |
| <i>Mat3:</i>  |                          |   |                      |                         |                                |
| <i>Mat3 Desc:</i>                                   |                          |   |                      |                         |                                |
| <i>Formation Top Depth:</i>                         |                          | 0.0   |                      |                         |                                |
| <i>Formation End Depth:</i>                         |                          | 3.0   |                      |                         |                                |
| <i>Formation End Depth UOM:</i>                     |                          | ft  |                      |                         |                                |
| <br>  |                          |   |                      |                         |                                |
| <u><i>Overburden and Bedrock</i></u>                |                          |   |                      |                         |                                |
| <u><i>Materials Interval</i></u>                    |                          |   |                      |                         |                                |
| <i>Formation ID:</i>                                |                          | 931015640   |                      |                         |                                |
| <i>Layer:</i>                                       |                          | 2   |                      |                         |                                |
| <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>                         |                          | 3.0   |                      |                         |                                |
| <i>Formation End Depth:</i>                         |                          | 32.0  |                      |                         |                                |
| <i>Formation End Depth UOM:</i>                     |                          | ft  |                      |                         |                                |
| <br>  |                          |   |                      |                         |                                |
| <u><i>Method of Construction &amp; Well Use</i></u> |                          |   |                      |                         |                                |
| <i>Method Construction ID:</i>                      |                          | 961510715   |                      |                         |                                |
| <i>Method Construction Code:</i>                    |                          | 7   |                      |                         |                                |
| <i>Method Construction:</i>                         |                          | Diamond   |                      |                         |                                |
| <i>Other Method Construction:</i>                   |                          |   |                      |                         |                                |
| <br>  |                          |   |                      |                         |                                |
| <u><i>Pipe Information</i></u>                      |                          |   |                      |                         |                                |
| <i>Pipe ID:</i>                                     |                          | 10581302  |                      |                         |                                |
| <i>Casing No:</i>                                   |                          | 1   |                      |                         |                                |
| <i>Comment:</i>                                     |                          |   |                      |                         |                                |
| <i>Alt Name:</i>                                    |                          |   |                      |                         |                                |

| <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>                           |                          | 930058031                          |                          |             |           |
| <b>Layer:</b>                               |                          | 2                                  |                          |             |           |
| <b>Material:</b>                            |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 32.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          |                                    |                          |             |           |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930058030                          |                          |             |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Material:</b>                            |                          | 2                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | GALVANIZED                         |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 20.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 2.0                                |                          |             |           |
| <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>                        |                          | 991510715                          |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          | 4.0                                |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          | 20.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          | 20.0                               |                          |             |           |
| <b>Pumping Rate:</b>                        |                          | 10.0                               |                          |             |           |
| <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>         |                          | 1                                  |                          |             |           |
| <b>Water State After Test:</b>              |                          | CLEAR                              |                          |             |           |
| <b>Pumping Test Method:</b>                 |                          | 1                                  |                          |             |           |
| <b>Pumping Duration HR:</b>                 |                          | 2                                  |                          |             |           |
| <b>Pumping Duration MIN:</b>                |                          | 0                                  |                          |             |           |
| <b>Flowing:</b>                             |                          | No                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934380041                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 30                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 20.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934097306                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 15                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 15.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |

| Map Key                               | Number of Records | Direction/<br>Distance (m)          | Elev/Diff<br>(m) | Site  | DB  |
|---------------------------------------|-------------------|-------------------------------------|------------------|---|-----|
| <b>Pump Test Detail ID:</b> 934641200 |                   |                                     |                  |   |     |
| <b>Test Type:</b> Draw Down           |                   |                                     |                  |   |     |
| <b>Test Duration:</b> 45              |                   |                                     |                  |   |     |
| <b>Test Level:</b> 20.0               |                   |                                     |                  |   |     |
| <b>Test Level UOM:</b> ft             |                   |                                     |                  |   |     |
| <b>Draw Down &amp; Recovery</b>       |                   |                                     |                  |   |     |
| <b>Pump Test Detail ID:</b> 934897986 |                   |                                     |                  |   |     |
| <b>Test Type:</b> Draw Down           |                   |                                     |                  |   |     |
| <b>Test Duration:</b> 60              |                   |                                     |                  |   |     |
| <b>Test Level:</b> 20.0               |                   |                                     |                  |   |     |
| <b>Test Level UOM:</b> ft             |                   |                                     |                  |   |     |
| <b>Water Details</b>                  |                   |                                     |                  |   |     |
| <b>Water ID:</b> 933465748            |                   |                                     |                  |   |     |
| <b>Layer:</b> 1                       |                   |                                     |                  |   |     |
| <b>Kind Code:</b> 1                   |                   |                                     |                  |   |     |
| <b>Kind:</b> FRESH                    |                   |                                     |                  |   |     |
| <b>Water Found Depth:</b> 32.0        |                   |                                     |                  |   |     |
| <b>Water Found Depth UOM:</b> ft      |                   |                                     |                  |   |     |
| <b>Links</b>                          |                   |                                     |                  |   |     |
| <b>Bore Hole ID:</b> 10032732         |                   | <b>Tag No:</b>                      |                  |   |     |
| <b>Depth M:</b> 9.7536                |                   | <b>Contractor:</b> 1504             |                  |   |     |
| <b>Year Completed:</b> 1970           |                   | <b>Path:</b> 151\1510715.pdf        |                  |   |     |
| <b>Well Completed Dt:</b> 1970/04/03  |                   | <b>Latitude:</b> 45.4475253908      |                  |   |     |
| <b>Audit No:</b>                      |                   | <b>Longitude:</b> -75.5273600548505 |                  |   |     |
| <a href="#">9</a>                     | 1 of 30           | WSW/24.9                            | 89.9 / 1.00      | 977998 ONTARIO LTD<br>3469 INNES RD<br>GLOUCESTER ON K1C1T1   | PRT |
| <b>Location ID:</b> 5294              |                   |                                     |                  |   |     |
| <b>Type:</b> retail                   |                   |                                     |                  |   |     |
| <b>Expiry Date:</b> 1994-11-30        |                   |                                     |                  |   |     |
| <b>Capacity (L):</b> 113500           |                   |                                     |                  |   |     |
| <b>Licence #:</b> 0076376011          |                   |                                     |                  |   |     |
| <a href="#">9</a>                     | 2 of 30           | WSW/24.9                            | 89.9 / 1.00      | 977998 ONTARIO LTD<br>3469 INNES RD<br>GLOUCESTER ON K1C1T1   | PRT |
| <b>Location ID:</b> 5294              |                   |                                     |                  |   |     |
| <b>Type:</b> retail                   |                   |                                     |                  |   |     |
| <b>Expiry Date:</b> 1995-04-30        |                   |                                     |                  |   |     |
| <b>Capacity (L):</b> 0                |                   |                                     |                  |   |     |
| <b>Licence #:</b> 0076416569          |                   |                                     |                  |   |     |
| <a href="#">9</a>                     | 3 of 30           | WSW/24.9                            | 89.9 / 1.00      | CANADIAN WASTE SERVICES<br>BEHIND 3469 INNES ROAD. MOTOR VEHICLE<br>(OPERATING FLUID)<br>OTTAWA CITY ON K1C 1T1 | SPL |
| <b>Ref No:</b> 225610                 |                   | <b>Discharger Report:</b>           |                  |   |     |
| <b>Site No:</b>                       |                   | <b>Material Group:</b>              |                  |   |     |
| <b>Incident Dt:</b> 5/16/2002         |                   | <b>Health/Env Conseq:</b>           |                  |   |     |



| Map Key                      | Number of Records                                       | Direction/ Distance (m) | Elev/Diff (m) | Site                         | DB    |
|------------------------------|---|-------------------------|---------------|------------------------------|-------|
| <b>Year:</b>                 |   |                         |               | <b>Client Type:</b>          |       |
| <b>Incident Cause:</b>       | PIPE/HOSE LEAK  |                         |               | <b>Sector Type:</b>          |       |
| <b>Incident Event:</b>       |   |                         |               | <b>Agency Involved:</b>      |       |
| <b>Contaminant Code:</b>     |   |                         |               | <b>Nearest Watercourse:</b>  |       |
| <b>Contaminant Name:</b>     |   |                         |               | <b>Site Address:</b>         |       |
| <b>Contaminant Limit 1:</b>  |   |                         |               | <b>Site District Office:</b> |       |
| <b>Contam Limit Freq 1:</b>  |   |                         |               | <b>Site Postal Code:</b>     |       |
| <b>Contaminant UN No 1:</b>  |   |                         |               | <b>Site Region:</b>          |       |
| <b>Environment Impact:</b>   | POSSIBLE  |                         |               | <b>Site Municipality:</b>    | 20107 |
| <b>Nature of Impact:</b>     | Soil contamination                                      |                         |               | <b>Site Lot:</b>             |       |
| <b>Receiving Medium:</b>     | LAND  |                         |               | <b>Site Conc:</b>            |       |
| <b>Receiving Env:</b>        |   |                         |               | <b>Northing:</b>             |       |
| <b>MOE Response:</b>         |   |                         |               | <b>Easting:</b>              |       |
| <b>Dt MOE Arvl on Scn:</b>   |   |                         |               | <b>Site Geo Ref Accu:</b>    |       |
| <b>MOE Reported Dt:</b>      | 5/16/2002   |                         |               | <b>Site Map Datum:</b>       |       |
| <b>Dt Document Closed:</b>   |   |                         |               | <b>SAC Action Class:</b>     |       |
| <b>Incident Reason:</b>      | EQUIPMENT FAILURE                                       |                         |               | <b>Source Type:</b>          |       |
| <b>Site Name:</b>            |   |                         |               |                              |       |
| <b>Site County/District:</b> |   |                         |               |                              |       |
| <b>Site Geo Ref Meth:</b>    |   |                         |               |                              |       |
| <b>Incident Summary:</b>     | CDN WASTE-UKN QUANTITY HYDRAULIC OIL TO LOT, CONTAINED. |                         |               |                              |       |
| <b>Contaminant Qty:</b>      |   |                         |               |                              |       |

|                          |                      |          |             |   |     |
|--------------------------|----------------------|----------|-------------|---|-----|
| <u>9</u>                 | 4 of 30              | WSW/24.9 | 89.9 / 1.00 | INNES VETERINARY CLINIC 21-555<br>3469 INNES ROAD, BAY NO. 7<br>GLOUCESTER ON K1C 1T1 | GEN |
| <b>Generator No:</b>     | ON1549600            |          |             | <b>Status:</b>  |     |
| <b>SIC Code:</b>         | 0211                 |          |             | <b>Co Admin:</b>  |     |
| <b>SIC Description:</b>  | VETERINARY SERVICE   |          |             | <b>Choice of Contact:</b>   |     |
| <b>Approval Years:</b>   | 92,93,94,95,96,97,98 |          |             | <b>Phone No Admin:</b>  |     |
| <b>PO Box No:</b>        |                      |          |             | <b>Contam. Facility:</b>  |     |
| <b>Country:</b>          |                      |          |             | <b>MHSW Facility:</b>   |     |
| <b>Detail(s)</b>         |                      |          |             |   |     |
| <b>Waste Class:</b>      | 312                  |          |             |   |     |
| <b>Waste Class Desc:</b> | PATHOLOGICAL WASTES  |          |             |   |     |

|                          |                     |          |             |   |     |
|--------------------------|---------------------|----------|-------------|---|-----|
| <u>9</u>                 | 5 of 30             | WSW/24.9 | 89.9 / 1.00 | INNES VETERINARY CLINIC<br>3469 INNES ROAD BAY NO. 7<br>GLOUCESTER ON K1C 1T1 | GEN |
| <b>Generator No:</b>     | ON1549600           |          |             | <b>Status:</b>  |     |
| <b>SIC Code:</b>         | 0211                |          |             | <b>Co Admin:</b>  |     |
| <b>SIC Description:</b>  | VETERINARY SERVICE  |          |             | <b>Choice of Contact:</b>   |     |
| <b>Approval Years:</b>   | 99,00,01            |          |             | <b>Phone No Admin:</b>  |     |
| <b>PO Box No:</b>        |                     |          |             | <b>Contam. Facility:</b>  |     |
| <b>Country:</b>          |                     |          |             | <b>MHSW Facility:</b>   |     |
| <b>Detail(s)</b>         |                     |          |             |   |     |
| <b>Waste Class:</b>      | 312                 |          |             |   |     |
| <b>Waste Class Desc:</b> | PATHOLOGICAL WASTES |          |             |   |     |

|                      |           |          |             |   |     |
|----------------------|-----------|----------|-------------|---|-----|
| <u>9</u>             | 6 of 30   | WSW/24.9 | 89.9 / 1.00 | INNES VETERINARY CLINIC<br>3469 INNES ROAD<br>OTTAWA ON K1C 1T1 | GEN |
| <b>Generator No:</b> | ON1549600 |          |             | <b>Status:</b>  |     |
| <b>SIC Code:</b>     |           |          |             | <b>Co Admin:</b>  |     |

| Map Key  | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site   | DB |
|--|-------------------|----------------------------|------------------|--|----|
| <b>SIC Description:</b><br><b>Approval Years:</b> 02,03,04,05,06<br><b>PO Box No:</b><br><b>Country:</b> |                   |                            |                  | <b>Choice of Contact:</b><br><b>Phone No Admin:</b><br><b>Contam. Facility:</b><br><b>MHSW Facility:</b> |    |
| <b><u>Detail(s)</u></b>  |                   |                            |                  |  |    |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  |                   | 312<br>PATHOLOGICAL WASTES |                  |  |    |

|   |         |   |             |   |      |
|---|---------|---|-------------|---|------|
| <u>9</u>  | 7 of 30 | WSW/24.9  | 89.9 / 1.00 | 977998 ONTARIO LTD C/O PRONTO FOOD MART<br>3469 INNES RD RR 2<br>ORLEANS ON K1C 1T1 | FSTH |
| <b>License Issue Date:</b><br><b>Tank Status:</b><br><b>Tank Status As Of:</b><br><b>Operation Type:</b><br><b>Facility Type:</b> |         | 9/27/2002<br>Licensed<br>August 2007<br>Retail Fuel Outlet<br>Gasoline Station - Self Serve |             |   |      |
| <b><u>--Details--</u></b>   |         |   |             |   |      |
| <b>Status:</b><br><b>Year of Installation:</b><br><b>Corrosion Protection:</b><br><b>Capacity:</b><br><b>Tank Fuel Type:</b>      |         | Active<br>1987<br><br>45480<br>Liquid Fuel Single Wall UST - Gasoline                       |             |   |      |
| <b>Status:</b><br><b>Year of Installation:</b><br><b>Corrosion Protection:</b><br><b>Capacity:</b><br><b>Tank Fuel Type:</b>      |         | Active<br>1987<br><br>45480<br>Liquid Fuel Single Wall UST - Gasoline                       |             |   |      |
| <b>Status:</b><br><b>Year of Installation:</b><br><b>Corrosion Protection:</b><br><b>Capacity:</b><br><b>Tank Fuel Type:</b>      |         | Active<br>1987<br><br>22730<br>Liquid Fuel Single Wall UST - Gasoline                       |             |   |      |

|   |         |   |             |   |      |
|---|---------|---|-------------|---|------|
| <u>9</u>  | 8 of 30 | WSW/24.9  | 89.9 / 1.00 | 977998 ONTARIO LTD C/O PRONTO FOOD MART<br>3469 INNES RD RR 2<br>ORLEANS ON K1C 1T1 | FSTH |
| <b>License Issue Date:</b><br><b>Tank Status:</b><br><b>Tank Status As Of:</b><br><b>Operation Type:</b><br><b>Facility Type:</b> |         | 9/27/2002<br>Licensed<br>December 2008<br>Retail Fuel Outlet<br>Gasoline Station - Self Serve |             |   |      |
| <b><u>--Details--</u></b>   |         |   |             |   |      |
| <b>Status:</b><br><b>Year of Installation:</b><br><b>Corrosion Protection:</b><br><b>Capacity:</b><br><b>Tank Fuel Type:</b>      |         | Active<br>1987<br><br>45480<br>Liquid Fuel Single Wall UST - Gasoline                         |             |   |      |
| <b>Status:</b><br><b>Year of Installation:</b><br><b>Corrosion Protection:</b><br><b>Capacity:</b><br><b>Tank Fuel Type:</b>      |         | Active<br>1987<br><br>45480<br>Liquid Fuel Single Wall UST - Gasoline                         |             |   |      |

| Map Key   | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site  | DB  |
|---|-------------------|----------------------------|------------------|---|-----|
| <b>Status:</b> Active<br><b>Year of Installation:</b> 1987<br><b>Corrosion Protection:</b><br><b>Capacity:</b> 22730<br><b>Tank Fuel Type:</b> Liquid Fuel Single Wall UST - Gasoline   |                   |                            |                  |   |     |
| <a href="#">9</a>   | 9 of 30           | WSW/24.9                   | 89.9 / 1.00      | 3469 Innes Road<br>Ottawa ON K1C 1T1  | SPL |
| <b>Ref No:</b> 3818-89J98D<br><b>Site No:</b><br><b>Incident Dt:</b><br><b>Year:</b><br><b>Incident Cause:</b> Other Discharges<br><b>Incident Event:</b><br><b>Contaminant Code:</b> 15<br><b>Contaminant Name:</b> ENGINE OIL<br><b>Contaminant Limit 1:</b><br><b>Contam Limit Freq 1:</b><br><b>Contaminant UN No 1:</b><br><b>Environment Impact:</b> Not Anticipated<br><b>Nature of Impact:</b><br><b>Receiving Medium:</b><br><b>Receiving Env:</b><br><b>MOE Response:</b> No Field Response<br><b>Dt MOE Arvl on Scn:</b><br><b>MOE Reported Dt:</b> 9/22/2010<br><b>Dt Document Closed:</b> 9/23/2010<br><b>Incident Reason:</b> Equipment Failure<br><b>Site Name:</b> Sewer<UNOFFICIAL><br><b>Site County/District:</b><br><b>Site Geo Ref Meth:</b><br><b>Incident Summary:</b> OC Transpo - 50 L engine oil to sewer<br><b>Contaminant Qty:</b> 50 L |                   |                            |                  | <b>Discharger Report:</b><br><b>Material Group:</b><br><b>Health/Env Conseq:</b><br><b>Client Type:</b><br><b>Sector Type:</b> Motor Vehicle<br><b>Agency Involved:</b><br><b>Nearest Watercourse:</b><br><b>Site Address:</b><br><b>Site District Office:</b><br><b>Site Postal Code:</b><br><b>Site Region:</b><br><b>Site Municipality:</b><br><b>Site Lot:</b><br><b>Site Conc:</b><br><b>Northing:</b><br><b>Easting:</b><br><b>Site Geo Ref Accu:</b><br><b>Site Map Datum:</b><br><b>SAC Action Class:</b> Watercourse Spills<br><b>Source Type:</b> |     |
| <a href="#">9</a>   | 10 of 30          | WSW/24.9                   | 89.9 / 1.00      | INNES ROAD ANIMAL HOSPITAL<br>3469 INNES ROAD<br>OTTAWA ON K1C 1T1  | GEN |
| <b>Generator No:</b> ON1549600<br><b>SIC Code:</b> 541940<br><b>SIC Description:</b> Veterinary Services<br><b>Approval Years:</b> 2009<br><b>PO Box No:</b><br><b>Country:</b>   |                   |                            |                  | <b>Status:</b><br><b>Co Admin:</b><br><b>Choice of Contact:</b><br><b>Phone No Admin:</b><br><b>Contam. Facility:</b><br><b>MHSW Facility:</b>  |     |
| <b><u>Detail(s)</u></b>   |                   |                            |                  |   |     |
| <b>Waste Class:</b> 312<br><b>Waste Class Desc:</b> PATHOLOGICAL WASTES   |                   |                            |                  |   |     |
| <a href="#">9</a>   | 11 of 30          | WSW/24.9                   | 89.9 / 1.00      | INNES ROAD ANIMAL HOSPITAL<br>3469 INNES ROAD<br>OTTAWA ON K1C 1T1  | GEN |
| <b>Generator No:</b> ON1549600<br><b>SIC Code:</b> 541940<br><b>SIC Description:</b> Veterinary Services<br><b>Approval Years:</b> 2010<br><b>PO Box No:</b>  |                   |                            |                  | <b>Status:</b><br><b>Co Admin:</b><br><b>Choice of Contact:</b><br><b>Phone No Admin:</b><br><b>Contam. Facility:</b>   |     |

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

Country: MHSW Facility:

Detail(s)

Waste Class: 312  
Waste Class Desc: PATHOLOGICAL WASTES

9 12 of 30 WSW/24.9 89.9 / 1.00 INNES ROAD ANIMAL HOSPITAL 3469 INNES ROAD OTTAWA ON K1C 1T1 GEN

Generator No: ON1549600  
SIC Code: 541940  
SIC Description: Veterinary Services  
Approval Years: 2011  
PO Box No:  
Country:

Status:  
Co Admin:  
Choice of Contact:  
Phone No Admin:  
Contam. Facility:  
MHSW Facility:

Detail(s)

Waste Class: 312  
Waste Class Desc: PATHOLOGICAL WASTES

9 13 of 30 WSW/24.9 89.9 / 1.00 2339401 ONTARIO INC 3469 INNES RD RR 2 ORLÉANS K1C 1T1 ON CA ON FST

Instance No: 10762616  
Status:  
Cont Name:  
Instance Type: FS Liquid Fuel Tank  
Item:  
Item Description: FS Liquid Fuel Tank  
Tank Type: Single Wall UST  
Install Date: 5/13/2009  
Install Year: 1987  
Years in Service:  
Model: NULL  
Description:  
Capacity: 45480  
Tank Material: Fiberglass (FRP)  
Corrosion Protect: Fiberglass  
Overfill Protect:  
Facility Type: FS Liquid Fuel Tank  
Parent Facility Type: FS Gasoline Station - Self Serve  
Facility Location:  
Device Installed Location: 3469 INNES RD RR 2 ORLÉANS K1C 1T1 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: 2339401 ONTARIO INC  
Item: FS LIQUID FUEL TANK

9 14 of 30 WSW/24.9 89.9 / 1.00 2339401 ONTARIO INC 3469 INNES RD RR 2 ORLÉANS K1C 1T1 ON CA ON FST

Instance No: 10762631  
Status:  
Cont Name:

Manufacturer:  
Serial No:  
Ulc Standard:

| Map Key                           | Number of Records                        | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                         | DB       |
|-----------------------------------|--|----------------------------|------------------|------------------------------|----------|
| <b>Instance Type:</b>             | FS Liquid Fuel Tank                      |                            |                  | <b>Quantity:</b>             |          |
| <b>Item:</b>                      |  |                            |                  | <b>Unit of Measure:</b>      |          |
| <b>Item Description:</b>          | FS Liquid Fuel Tank                      |                            |                  | <b>Fuel Type:</b>            | Gasoline |
| <b>Tank Type:</b>                 | Single Wall UST                          |                            |                  | <b>Fuel Type2:</b>           | NULL     |
| <b>Install Date:</b>              | 5/13/2009                                |                            |                  | <b>Fuel Type3:</b>           | NULL     |
| <b>Install Year:</b>              | 1987                                     |                            |                  | <b>Piping Steel:</b>         |          |
| <b>Years in Service:</b>          |  |                            |                  | <b>Piping Galvanized:</b>    |          |
| <b>Model:</b>                     | NULL                                     |                            |                  | <b>Tanks Single Wall St:</b> |          |
| <b>Description:</b>               |  |                            |                  | <b>Piping Underground:</b>   |          |
| <b>Capacity:</b>                  | 22730                                    |                            |                  | <b>No Underground:</b>       |          |
| <b>Tank Material:</b>             | Fiberglass (FRP)                         |                            |                  | <b>Panam Related:</b>        |          |
| <b>Corrosion Protect:</b>         | Fiberglass                               |                            |                  | <b>Panam Venue:</b>          |          |
| <b>Overfill Protect:</b>          |  |                            |                  |                              |          |
| <b>Facility Type:</b>             | FS Liquid Fuel Tank                      |                            |                  |                              |          |
| <b>Parent Facility Type:</b>      | FS Gasoline Station - Self Serve         |                            |                  |                              |          |
| <b>Facility Location:</b>         |  |                            |                  |                              |          |
| <b>Device Installed Location:</b> | 3469 INNES RD RR 2 ORLÉANS K1C 1T1 ON CA |                            |                  |                              |          |
| <b>Liquid Fuel Tank Details</b>   |  |                            |                  |                              |          |
| <b>Overfill Protection:</b>       |  |                            |                  |                              |          |
| <b>Owner Account Name:</b>        | 2339401 ONTARIO INC                      |                            |                  |                              |          |
| <b>Item:</b>                      | FS LIQUID FUEL TANK                      |                            |                  |                              |          |

|                                   |  |          |             |   |          |
|-----------------------------------|--|----------|-------------|---|----------|
| <u>9</u>                          | 15 of 30                                 | WSW/24.9 | 89.9 / 1.00 | 2339401 ONTARIO INC<br>3469 INNES RD RR 2 ORLÉANS K1C 1T1 ON CA<br>ON | FST      |
| <b>Instance No:</b>               | 10762598                                 |          |             | <b>Manufacturer:</b>  |          |
| <b>Status:</b>                    |  |          |             | <b>Serial No:</b>   |          |
| <b>Cont Name:</b>                 |  |          |             | <b>Ulc Standard:</b>  |          |
| <b>Instance Type:</b>             | FS Liquid Fuel Tank                      |          |             | <b>Quantity:</b>  |          |
| <b>Item:</b>                      |  |          |             | <b>Unit of Measure:</b>   |          |
| <b>Item Description:</b>          | FS Liquid Fuel Tank                      |          |             | <b>Fuel Type:</b>   | Gasoline |
| <b>Tank Type:</b>                 | Single Wall UST                          |          |             | <b>Fuel Type2:</b>  | NULL     |
| <b>Install Date:</b>              | 5/13/2009                                |          |             | <b>Fuel Type3:</b>  | NULL     |
| <b>Install Year:</b>              | 1987                                     |          |             | <b>Piping Steel:</b>  |          |
| <b>Years in Service:</b>          |  |          |             | <b>Piping Galvanized:</b>   |          |
| <b>Model:</b>                     | NULL                                     |          |             | <b>Tanks Single Wall St:</b>  |          |
| <b>Description:</b>               |  |          |             | <b>Piping Underground:</b>  |          |
| <b>Capacity:</b>                  | 45480                                    |          |             | <b>No Underground:</b>  |          |
| <b>Tank Material:</b>             | Fiberglass (FRP)                         |          |             | <b>Panam Related:</b>   |          |
| <b>Corrosion Protect:</b>         | Fiberglass                               |          |             | <b>Panam Venue:</b>   |          |
| <b>Overfill Protect:</b>          |  |          |             |   |          |
| <b>Facility Type:</b>             | FS Liquid Fuel Tank                      |          |             |   |          |
| <b>Parent Facility Type:</b>      | FS Gasoline Station - Self Serve         |          |             |   |          |
| <b>Facility Location:</b>         |  |          |             |   |          |
| <b>Device Installed Location:</b> | 3469 INNES RD RR 2 ORLÉANS K1C 1T1 ON CA |          |             |   |          |
| <b>Liquid Fuel Tank Details</b>   |  |          |             |   |          |
| <b>Overfill Protection:</b>       |  |          |             |   |          |
| <b>Owner Account Name:</b>        | 2339401 ONTARIO INC                      |          |             |   |          |
| <b>Item:</b>                      | FS LIQUID FUEL TANK                      |          |             |   |          |

|                         |                     |          |             |  |     |
|-------------------------|---------------------|----------|-------------|--|-----|
| <u>9</u>                | 16 of 30            | WSW/24.9 | 89.9 / 1.00 | INNES ROAD ANIMAL HOSPITAL<br>3469 INNES ROAD<br>OTTAWA ON K1C 1T1 | GEN |
| <b>Generator No:</b>    | ON1549600           |          |             | <b>Status:</b>   |     |
| <b>SIC Code:</b>        | 541940              |          |             | <b>Co Admin:</b>   |     |
| <b>SIC Description:</b> | Veterinary Services |          |             | <b>Choice of Contact:</b>  |     |
| <b>Approval Years:</b>  | 2012                |          |             | <b>Phone No Admin:</b>   |     |

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

PO Box No:  
Country:

Contam. Facility:  
MHSW Facility:

Detail(s)

Waste Class: 312  
Waste Class Desc: PATHOLOGICAL WASTES

|          |          |          |             |  |     |
|----------|----------|----------|-------------|--|-----|
| <u>9</u> | 17 of 30 | WSW/24.9 | 89.9 / 1.00 | INNES ROAD ANIMAL HOSPITAL<br>3469 INNES ROAD<br>OTTAWA ON | GEN |
|----------|----------|----------|-------------|--|-----|

Generator No: ON1549600  
SIC Code: 541940  
SIC Description: VETERINARY SERVICES  
Approval Years: 2013  
PO Box No:  
Country:

Status:  
Co Admin:  
Choice of Contact:  
Phone No Admin:  
Contam. Facility:  
MHSW Facility:

Detail(s)

Waste Class: 312  
Waste Class Desc: PATHOLOGICAL WASTES

|          |          |          |             |   |     |
|----------|----------|----------|-------------|---|-----|
| <u>9</u> | 18 of 30 | WSW/24.9 | 89.9 / 1.00 | 2339401 ONTARIO INC<br>3469 INNES RD RR 2 ORLÉANS K1C 1T1 ON CA<br>ON | FST |
|----------|----------|----------|-------------|---|-----|

Instance No: 64701573  
Status:  
Cont Name:  
Instance Type: FS Liquid Fuel Tank  
Item:  
Item Description: FS Liquid Fuel Tank  
Tank Type: Double Wall UST  
Install Date: 9/21/2015 11:53:35 AM  
Install Year: 2015  
Years in Service:  
Model: NULL  
Description:  
Capacity: 65000  
Tank Material: Fiberglass (FRP)  
Corrosion Protect: Fiberglass  
Overfill Protect:  
Facility Type: FS Liquid Fuel Tank  
Parent Facility Type: FS Gasoline Station - Self Serve  
Facility Location:  
Device Installed Location: 3469 INNES RD RR 2 ORLÉANS K1C 1T1 ON CA

Manufacturer:  
Serial No:  
Ulc Standard:  
Quantity:  
Unit of Measure:  
Fuel Type: Gasoline  
Fuel Type2: Diesel  
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: 2339401 ONTARIO INC  
Item: FS LIQUID FUEL TANK

|          |          |          |             |   |     |
|----------|----------|----------|-------------|---|-----|
| <u>9</u> | 19 of 30 | WSW/24.9 | 89.9 / 1.00 | 2339401 ONTARIO INC<br>3469 INNES RD RR 2 ORLÉANS K1C 1T1 ON CA<br>ON | FST |
|----------|----------|----------|-------------|---|-----|

Instance No: 64701574  
Status:

Manufacturer:  
Serial No:

| Map Key                           | Number of Records                        | Direction/ Distance (m) | Elev/Diff (m) | Site                         | DB       |
|-----------------------------------|--|-------------------------|---------------|------------------------------|----------|
| <b>Cont Name:</b>                 |  |                         |               | <b>Ulc Standard:</b>         |          |
| <b>Instance Type:</b>             | FS Liquid Fuel Tank                      |                         |               | <b>Quantity:</b>             |          |
| <b>Item:</b>                      |  |                         |               | <b>Unit of Measure:</b>      |          |
| <b>Item Description:</b>          | FS Liquid Fuel Tank                      |                         |               | <b>Fuel Type:</b>            | Gasoline |
| <b>Tank Type:</b>                 | Double Wall UST                          |                         |               | <b>Fuel Type2:</b>           | Gasoline |
| <b>Install Date:</b>              | 9/21/2015 11:53:35 AM                    |                         |               | <b>Fuel Type3:</b>           | NULL     |
| <b>Install Year:</b>              | 2015                                     |                         |               | <b>Piping Steel:</b>         |          |
| <b>Years in Service:</b>          |  |                         |               | <b>Piping Galvanized:</b>    |          |
| <b>Model:</b>                     | NULL                                     |                         |               | <b>Tanks Single Wall St:</b> |          |
| <b>Description:</b>               |  |                         |               | <b>Piping Underground:</b>   |          |
| <b>Capacity:</b>                  | 65000                                    |                         |               | <b>No Underground:</b>       |          |
| <b>Tank Material:</b>             | Fiberglass (FRP)                         |                         |               | <b>Panam Related:</b>        |          |
| <b>Corrosion Protect:</b>         | Fiberglass                               |                         |               | <b>Panam Venue:</b>          |          |
| <b>Overfill Protect:</b>          |  |                         |               |                              |          |
| <b>Facility Type:</b>             | FS Liquid Fuel Tank                      |                         |               |                              |          |
| <b>Parent Facility Type:</b>      | FS Gasoline Station - Self Serve         |                         |               |                              |          |
| <b>Facility Location:</b>         |  |                         |               |                              |          |
| <b>Device Installed Location:</b> | 3469 INNES RD RR 2 ORLÉANS K1C 1T1 ON CA |                         |               |                              |          |

**Liquid Fuel Tank Details**

**Overfill Protection:**  
**Owner Account Name:** 2339401 ONTARIO INC  
**Item:** FS LIQUID FUEL TANK

|                         |                     |          |             |  |             |
|-------------------------|---------------------|----------|-------------|--|-------------|
| <u>9</u>                | 20 of 30            | WSW/24.9 | 89.9 / 1.00 | INNES ROAD ANIMAL HOSPITAL<br>3469 INNES ROAD<br>OTTAWA ON K1C 1T1 | GEN         |
| <b>Generator No:</b>    | ON1549600           |          |             | <b>Status:</b>   |             |
| <b>SIC Code:</b>        | 541940              |          |             | <b>Co Admin:</b>   |             |
| <b>SIC Description:</b> | VETERINARY SERVICES |          |             | <b>Choice of Contact:</b>  | CO_OFFICIAL |
| <b>Approval Years:</b>  | 2016                |          |             | <b>Phone No Admin:</b>   |             |
| <b>PO Box No:</b>       |                     |          |             | <b>Contam. Facility:</b>   | No          |
| <b>Country:</b>         | Canada              |          |             | <b>MHSW Facility:</b>  | No          |

**Detail(s)**

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

|                         |                     |          |             |  |             |
|-------------------------|---------------------|----------|-------------|--|-------------|
| <u>9</u>                | 21 of 30            | WSW/24.9 | 89.9 / 1.00 | INNES ROAD ANIMAL HOSPITAL<br>3469 INNES ROAD<br>OTTAWA ON K1C 1T1 | GEN         |
| <b>Generator No:</b>    | ON1549600           |          |             | <b>Status:</b>   |             |
| <b>SIC Code:</b>        | 541940              |          |             | <b>Co Admin:</b>   |             |
| <b>SIC Description:</b> | VETERINARY SERVICES |          |             | <b>Choice of Contact:</b>  | CO_OFFICIAL |
| <b>Approval Years:</b>  | 2015                |          |             | <b>Phone No Admin:</b>   |             |
| <b>PO Box No:</b>       |                     |          |             | <b>Contam. Facility:</b>   | No          |
| <b>Country:</b>         | Canada              |          |             | <b>MHSW Facility:</b>  | No          |

**Detail(s)**

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

|          |          |          |             |  |     |
|----------|----------|----------|-------------|--|-----|
| <u>9</u> | 22 of 30 | WSW/24.9 | 89.9 / 1.00 | INNES ROAD ANIMAL HOSPITAL<br>3469 INNES ROAD<br>OTTAWA ON K1C 1T1 | GEN |
|----------|----------|----------|-------------|--|-----|

| Map Key                 | Number of Records   | Direction/ Distance (m) | Elev/Diff (m) | Site                      | DB          |
|-------------------------|---------------------|-------------------------|---------------|---------------------------|-------------|
| <b>Generator No:</b>    | ON1549600           |                         |               | <b>Status:</b>            |             |
| <b>SIC Code:</b>        | 541940              |                         |               | <b>Co Admin:</b>          |             |
| <b>SIC Description:</b> | VETERINARY SERVICES |                         |               | <b>Choice of Contact:</b> | CO_OFFICIAL |
| <b>Approval Years:</b>  | 2014                |                         |               | <b>Phone No Admin:</b>    |             |
| <b>PO Box No:</b>       |                     |                         |               | <b>Contam. Facility:</b>  | No          |
| <b>Country:</b>         | Canada              |                         |               | <b>MHSW Facility:</b>     | No          |

Detail(s)

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

9 23 of 30 WSW/24.9 89.9 / 1.00 **INNES ROAD ANIMAL HOSPITAL**  
**3469 INNES ROAD**  
**OTTAWA ON K1C 1T1** **GEN**

**Generator No:** ON1549600 **Status:** Registered  
**SIC Code:** **Co Admin:**  
**SIC Description:** **Choice of Contact:**  
**Approval Years:** As of Dec 2018 **Phone No Admin:**  
**PO Box No:** **Contam. Facility:**  
**Country:** Canada **MHSW Facility:**

Detail(s)

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

9 24 of 30 WSW/24.9 89.9 / 1.00 **INNES ROAD ANIMAL HOSPITAL**  
**3469 INNES ROAD**  
**OTTAWA ON K1C 1T1** **GEN**

**Generator No:** ON1549600 **Status:** Registered  
**SIC Code:** **Co Admin:**  
**SIC Description:** **Choice of Contact:**  
**Approval Years:** As of Jul 2020 **Phone No Admin:**  
**PO Box No:** **Contam. Facility:**  
**Country:** Canada **MHSW Facility:**

Detail(s)

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

9 25 of 30 WSW/24.9 89.9 / 1.00 **2339401 ONTARIO INC**  
**3469 INNES RD RR 2 ORLEANS K1C 1T1 ON CA**  
**ON** **DTNK**

Delisted Expired Fuel Safety Facilities

**Instance No:** 10762631 **Expired Date:**  
**Status:** Inactive **Max Hazard Rank:** NULL  
**Instance ID:** **Facility Location:** 3469 INNES RD RR 2 ORLEANS K1C 1T1 ON CA  
**Instance Type:** **Facility Type:** FS LIQUID FUEL TANK  
**Instance Creation Dt:** 7/19/2000 8:15:15 PM **Fuel Type 2:** NULL  
**Instance Install Dt:** 5/13/2009 **Fuel Type 3:** NULL  
**Item Description:** FS Liquid Fuel Tank **Panam Related:** NULL



| Map Key                             | Number of Records         | Direction/ Distance (m) | Elev/Diff (m) | Site                        | DB                  |
|-------------------------------------|---------------------------|-------------------------|---------------|-----------------------------|---------------------|
| <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 1:20:47 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>                 | 2009VBS; UNDERGROUND TANK |                         |               |                             |                     |
| <b>Original Source:</b>             | EXP                       |                         |               |                             |                     |
| <b>Record Date:</b>                 | 31-JUL-2020               |                         |               |                             |                     |

9      26 of 30      WSW/24.9      89.9 / 1.00      2339401 ONTARIO INC  
3469 INNES RD RR 2 ORLEANS K1C 1T1 ON CA      DTNK  
ON

Delisted Expired Fuel Safety Facilities

|                                     |                           |  |  |                             |  |
|-------------------------------------|---------------------------|--|--|-----------------------------|--|
| <b>Instance No:</b>                 | 10762616                  |  |  | <b>Expired Date:</b>        |  |
| <b>Status:</b>                      | Inactive                  |  |  | <b>Max Hazard Rank:</b>     | NULL                                     |
| <b>Instance ID:</b>                 |                           |  |  | <b>Facility Location:</b>   | 3469 INNES RD RR 2 ORLEANS K1C 1T1 ON CA |
| <b>Instance Type:</b>               |                           |  |  | <b>Facility Type:</b>       | FS LIQUID FUEL TANK                      |
| <b>Instance Creation Dt:</b>        | 7/19/2000 8:15:15 PM      |  |  | <b>Fuel Type 2:</b>         | NULL                                     |
| <b>Instance Install Dt:</b>         | 5/13/2009                 |  |  | <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 1:20:37 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>                 | 2009VBS; UNDERGROUND TANK |  |  |                             |  |
| <b>Original Source:</b>             | EXP                       |  |  |                             |  |
| <b>Record Date:</b>                 | 31-JUL-2020               |  |  |                             |  |

| Map Key           | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site  | DB   |
|-------------------|-------------------|-------------------------|---------------|---|------|
| <a href="#">9</a> | 27 of 30          | WSW/24.9                | 89.9 / 1.00   | 2339401 ONTARIO INC<br>3469 INNES RD RR 2 ORLEANS K1C 1T1 ON CA<br>ON | DTNK |

Delisted Expired Fuel Safety Facilities

|                                     |                           |                             |  |
|-------------------------------------|---------------------------|-----------------------------|--|
| <b>Instance No:</b>                 | 10762598                  | <b>Expired Date:</b>        |  |
| <b>Status:</b>                      | Inactive                  | <b>Max Hazard Rank:</b>     | NULL                                     |
| <b>Instance ID:</b>                 |                           | <b>Facility Location:</b>   | 3469 INNES RD RR 2 ORLEANS K1C 1T1 ON CA |
| <b>Instance Type:</b>               |                           | <b>Facility Type:</b>       | FS LIQUID FUEL TANK                      |
| <b>Instance Creation Dt:</b>        | 7/19/2000 8:15:15 PM      | <b>Fuel Type 2:</b>         | NULL                                     |
| <b>Instance Install Dt:</b>         | 5/13/2009                 | <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 1:20:51 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>                 | 2009VBS; UNDERGROUND TANK |                             |  |
| <b>Original Source:</b>             | EXP                       |                             |  |
| <b>Record Date:</b>                 | 31-JUL-2020               |                             |  |

|                   |          |          |             |  |      |
|-------------------|----------|----------|-------------|--|------|
| <a href="#">9</a> | 28 of 30 | WSW/24.9 | 89.9 / 1.00 | 3469 INNES RD<br>GLOUCESTER ON K1C 1T1 | DTNK |
|-------------------|----------|----------|-------------|--|------|

Delisted Fuel Storage Tank

|                              |                                  |                              |   |
|------------------------------|----------------------------------|------------------------------|---|
| <b>Instance No:</b>          | 9796661                          | <b>Creation Date:</b>        |   |
| <b>Status:</b>               | Active                           | <b>Overfill Prot Type:</b>   |   |
| <b>Instance Type:</b>        |                                  | <b>Facility Location:</b>    |   |
| <b>Fuel Type:</b>            |                                  | <b>Piping SW Steel:</b>      | 0 |
| <b>Cont Name:</b>            |                                  | <b>Piping SW Galvan:</b>     | 0 |
| <b>Capacity:</b>             |                                  | <b>Tanks SW Steel:</b>       | 0 |
| <b>Tank Material:</b>        |                                  | <b>Piping Underground:</b>   | 3 |
| <b>Corrosion Prot:</b>       |                                  | <b>No Underground:</b>       | 5 |
| <b>Tank Type:</b>            |                                  | <b>Max Hazard Rank:</b>      |   |
| <b>Install Year:</b>         |                                  | <b>Max Hazard Rank 1:</b>    |   |
| <b>Facility Type:</b>        |                                  | <b>Nxt Period Start Dt:</b>  |   |
| <b>Device Installed Loc:</b> |                                  | <b>Program Area 1:</b>       |   |
| <b>Fuel Type 2:</b>          |                                  | <b>Program Area 2:</b>       |   |
| <b>Fuel Type 3:</b>          |                                  | <b>Nxt Period Strt Dt 2:</b> |   |
| <b>Item:</b>                 | FS GASOLINE STATION - SELF SERVE | <b>Risk Based Periodic:</b>  |   |
| <b>Item Description:</b>     |                                  | <b>Vol of Directives:</b>    |   |
| <b>Model:</b>                |                                  | <b>Years in Service:</b>     |   |
| <b>Description:</b>          |                                  | <b>Created Date:</b>         |   |

| Map Key  | Number of Records | Direction/ Distance (m)  | Elev/Diff (m) | Site  | DB  |
|--|-------------------|--|---------------|---|-----|
| <b>Instance Creation Dt:</b><br><b>Instance Install Dt:</b><br><b>Manufacturer:</b><br><b>Serial No:</b><br><b>ULC Standard:</b><br><b>Quantity:</b><br><b>Unit of Measure:</b><br><b>Parent Fac Type:</b><br><b>TSSA Base Sched Cycle 1:</b><br><b>TSSA Base Sched Cycle 2:</b><br><b>Original Source:</b><br><b>Record Date:</b> |                   | FST<br>31-MAY-2021   |               | <b>Federal Device:</b><br><b>Periodic Exempt:</b><br><b>Statutory Interval:</b><br><b>Rcomnd Insp Interval:</b><br><b>Recommended Toler:</b><br><b>Panam Venue Name:</b><br><b>External Identifier:</b> |     |
| <a href="#">9</a>  | 29 of 30          | WSW/24.9   | 89.9 / 1.00   | <b>INNES ROAD ANIMAL HOSPITAL</b><br><b>3469 INNES ROAD</b><br><b>OTTAWA ON K1C 1T1</b>   | GEN |
| <b>Generator No:</b><br><b>SIC Code:</b><br><b>SIC Description:</b><br><b>Approval Years:</b><br><b>PO Box No:</b><br><b>Country:</b>  |                   | ON1549600<br><br>As of Nov 2021<br><br>Canada  |               | <b>Status:</b><br><b>Co Admin:</b><br><b>Choice of Contact:</b><br><b>Phone No Admin:</b><br><b>Contam. Facility:</b><br><b>MHSW Facility:</b>  |     |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  |                   | 312 P<br>Pathological wastes   |               |   |     |
| <a href="#">9</a>  | 30 of 30          | WSW/24.9   | 89.9 / 1.00   | <b>INNES ROAD ANIMAL HOSPITAL</b><br><b>3469 INNES ROAD</b><br><b>OTTAWA ON K1C 1T1</b>   | GEN |
| <b>Generator No:</b><br><b>SIC Code:</b><br><b>SIC Description:</b><br><b>Approval Years:</b><br><b>PO Box No:</b><br><b>Country:</b>  |                   | ON1549600<br><br>As of Apr 2022<br><br>Canada  |               | <b>Status:</b><br><b>Co Admin:</b><br><b>Choice of Contact:</b><br><b>Phone No Admin:</b><br><b>Contam. Facility:</b><br><b>MHSW Facility:</b>  |     |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  |                   | 312 P<br>PATHOLOGICAL WASTES   |               |   |     |
| <a href="#">10</a>   | 1 of 3            | SE/31.9  | 88.9 / 0.00   | <b>Caivan (Orleans Village) Limited</b><br><b>3490 Innes Rd</b><br><b>Ottawa ON K2H 1B2</b>   | ECA |
| <b>Approval No:</b><br><b>Approval Date:</b><br><b>Status:</b><br><b>Record Type:</b><br><b>Link Source:</b><br><b>SWP Area Name:</b><br><b>Approval Type:</b><br><b>Project Type:</b><br><b>Business Name:</b><br><b>Address:</b><br><b>Full Address:</b><br><b>Full PDF Link:</b><br><b>PDF Site Location:</b>                   |                   | 8272-B27KVJ<br>2018-07-06<br>Approved<br>ECA<br>IDS<br><br>ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS<br>MUNICIPAL AND PRIVATE SEWAGE WORKS<br>Caivan (Orleans Village) Limited<br>3490 Innes Rd |               | <b>MOE District:</b><br><b>City:</b><br><b>Longitude:</b><br><b>Latitude:</b><br><b>Geometry X:</b><br><b>Geometry Y:</b>   |     |
| <b>Full PDF Link:</b>  |                   | <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/6099-AZYKDA-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/6099-AZYKDA-14.pdf</a>                          |               |   |     |

| Map Key                    | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site  | DB             |
|----------------------------|---|----------------------------|------------------|---|----------------|
| <a href="#">10</a>         | 2 of 3  | SE/31.9                    | 88.9 / 0.00      | <b>TAGGART CONSTRUCTION LIMITED</b><br>3490 Innes RD<br>Orleans ON K1C 1T1    | <b>EASR</b>    |
| <b>Approval No:</b>        | R-009-6110523524  |                            |                  | <b>MOE District:</b>  | Ottawa         |
| <b>Status:</b>             | REGISTERED  |                            |                  | <b>Municipality:</b>  | Orleans        |
| <b>Date:</b>               | 2018-07-12  |                            |                  | <b>Latitude:</b>  | 45.44666667    |
| <b>Record Type:</b>        | EASR  |                            |                  | <b>Longitude:</b>   | -75.52694444   |
| <b>Link Source:</b>        | MOFA  |                            |                  | <b>Geometry X:</b>  |                |
| <b>Project Type:</b>       | Water Taking - Construction Dewatering  |                            |                  | <b>Geometry Y:</b>  |                |
| <b>Full Address:</b>       |   |                            |                  |   |                |
| <b>Approval Type:</b>      | EASR-Water Taking - Construction Dewatering   |                            |                  |   |                |
| <b>SWP Area Name:</b>      | Rideau Valley   |                            |                  |   |                |
| <b>PDF URL:</b>            |   |                            |                  |   |                |
| <b>PDF Site Location:</b>  |   |                            |                  |   |                |
| <a href="#">10</a>         | 3 of 3  | SE/31.9                    | 88.9 / 0.00      | <b>Caivan (Orleans Village) Limited</b><br>3490 Innes Rd<br>Ottawa ON K2H 1B2 | <b>ECA</b>     |
| <b>Approval No:</b>        | 4606-B8WKUV   |                            |                  | <b>MOE District:</b>  |                |
| <b>Approval Date:</b>      | 2019-02-08  |                            |                  | <b>City:</b>  |                |
| <b>Status:</b>             | Approved  |                            |                  | <b>Longitude:</b>   |                |
| <b>Record Type:</b>        | ECA   |                            |                  | <b>Latitude:</b>  |                |
| <b>Link Source:</b>        | IDS   |                            |                  | <b>Geometry X:</b>  |                |
| <b>SWP Area Name:</b>      |   |                            |                  | <b>Geometry Y:</b>  |                |
| <b>Approval Type:</b>      | ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  |                            |                  |   |                |
| <b>Project Type:</b>       | MUNICIPAL AND PRIVATE SEWAGE WORKS  |                            |                  |   |                |
| <b>Business Name:</b>      | Caivan (Orleans Village) Limited  |                            |                  |   |                |
| <b>Address:</b>            | 3490 Innes Rd   |                            |                  |   |                |
| <b>Full Address:</b>       |   |                            |                  |   |                |
| <b>Full PDF Link:</b>      | <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/4997-B8QTD-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/4997-B8QTD-14.pdf</a> |                            |                  |   |                |
| <b>PDF Site Location:</b>  |   |                            |                  |   |                |
| <a href="#">11</a>         | 1 of 1  | SW/34.3                    | 88.9 / 0.00      | <b>ON</b>   | <b>BORE</b>    |
| <b>Borehole ID:</b>        | 615215  |                            |                  | <b>Inclin FLG:</b>  | No             |
| <b>OGF ID:</b>             | 215516157   |                            |                  | <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>    | JUL-1962  |                            |                  | <b>Municipality:</b>  |                |
| <b>Static Water Level:</b> | 2.7   |                            |                  | <b>Lot:</b>   |                |
| <b>Primary Water Use:</b>  |   |                            |                  | <b>Township:</b>  |                |
| <b>Sec. Water Use:</b>     |   |                            |                  | <b>Latitude DD:</b>   | 45.447081      |
| <b>Total Depth m:</b>      | 11.3  |                            |                  | <b>Longitude DD:</b>  | -75.526653     |
| <b>Depth Ref:</b>          | Ground Surface  |                            |                  | <b>UTM Zone:</b>  | 18             |
| <b>Depth Elev:</b>         |   |                            |                  | <b>Easting:</b>   | 458816         |
| <b>Drill Method:</b>       |   |                            |                  | <b>Northing:</b>  | 5032752        |
| <b>Orig Ground Elev m:</b> | 92.7  |                            |                  | <b>Location Accuracy:</b>   |                |
| <b>Elev Reliabil Note:</b> |   |                            |                  | <b>Accuracy:</b>  | Not Applicable |
| <b>DEM Ground Elev m:</b>  | 90.9  |                            |                  |   |                |
| <b>Concession:</b>         |   |                            |                  |   |                |
| <b>Location D:</b>         |   |                            |                  |   |                |
| <b>Survey D:</b>           |   |                            |                  |   |                |
| <b>Comments:</b>           |   |                            |                  |   |                |

**Borehole Geology Stratum**

| Map Key                          | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                       | DB |
|----------------------------------|---|----------------------------|------------------|----------------------------|----|
| <b>Geology Stratum ID:</b>       | 218400843   |                            |                  | <b>Mat Consistency:</b>    |    |
| <b>Top Depth:</b>                | 0   |                            |                  | <b>Material Moisture:</b>  |    |
| <b>Bottom Depth:</b>             | 11.3  |                            |                  | <b>Material Texture:</b>   |    |
| <b>Material Color:</b>           | Grey  |                            |                  | <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> | LIMESTONE. GREY. WATER STABLE AT 295.0 FEET.0200E. BEDROCK. 10DROCK. BEDROCK. BEDRO           |                            |                  |                            |    |
| <b>Stratum Description:</b>      | **Note: Many records provided by the department have a truncated [Stratum Description] field. |                            |                  |                            |    |

**Source**

|                        |  |                      |                        |
|------------------------|--|----------------------|------------------------|
| <b>Source Type:</b>    | Data Survey  | <b>Source Appl:</b>  | Spatial/Tabular        |
| <b>Source Orig:</b>    | Geological Survey of Canada                        | <b>Source Ident:</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: OTTAWA2.txt RecordID: 07723 NTS_Sheet:       |                      |                        |
| <b>Confiden 1:</b>     |  |                      |                        |

**Source List**

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

| <a href="#">12</a>         | 1 of 1  | SW/34.4 | 88.9 / 0.00 | lot 5 con 2<br>ON         | WWIS                 |
|----------------------------|---|---------|-------------|---------------------------|----------------------|
| <b>Well ID:</b>            | 1501220   |         |             | <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>     | 05-Sep-1962 00:00:00 |
| <b>Water Type:</b>         |   |         |             | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>    |   |         |             | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>           |   |         |             | <b>Contractor:</b>        | 1504                 |
| <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>               | 005                  |
| <b>Depth to Bedrock:</b>   |   |         |             | <b>Concession:</b>        | 02                   |
| <b>Well Depth:</b>         |   |         |             | <b>Concession Name:</b>   | OF                   |
| <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>       | GLOUCESTER TOWNSHIP   |         |             |                           |                      |
| <b>Site Info:</b>          |   |         |             |                           |                      |
| <b>PDF URL (Map):</b>      | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501220.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501220.pdf</a> |         |             |                           |                      |

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

**Well Completed Date:** 1962/07/16

| <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>Year Completed:</i>                          |                          | 1962   |                      |                         |                                 |
| <i>Depth (m):</i>                               |                          | 11.2776  |                      |                         |                                 |
| <i>Latitude:</i>                                |                          | 45.447078593807  |                      |                         |                                 |
| <i>Longitude:</i>                               |                          | -75.5266525658378  |                      |                         |                                 |
| <i>Path:</i>                                    |                          | 150\1501220.pdf  |                      |                         |                                 |
| <b><u>Bore Hole Information</u></b>             |                          |  |                      |                         |                                 |
| <i>Bore Hole ID:</i>                            | 10023263                 |  |                      | <i>Elevation:</i>       |                                 |
| <i>DP2BR:</i>                                   |                          |  |                      | <i>Elevrc:</i>          |                                 |
| <i>Spatial Status:</i>                          |                          |  |                      | <i>Zone:</i>            | 18                              |
| <i>Code OB:</i>                                 |                          |  |                      | <i>East83:</i>          | 458815.80                       |
| <i>Code OB Desc:</i>                            |                          |  |                      | <i>North83:</i>         | 5032752.00                      |
| <i>Open Hole:</i>                               |                          |  |                      | <i>Org CS:</i>          |                                 |
| <i>Cluster Kind:</i>                            |                          |  |                      | <i>UTMRC:</i>           | 5                               |
| <i>Date Completed:</i>                          | 16-Jul-1962 00:00:00     |  |                      | <i>UTMRC Desc:</i>      | margin of error : 100 m - 300 m |
| <i>Remarks:</i>                                 |                          |  |                      | <i>Location Method:</i> | p5                              |
| <i>Loc Method Desc:</i>                         |                          | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m |                      |                         |                                 |
| <i>Elevrc Desc:</i>                             |                          |  |                      |                         |                                 |
| <i>Location Source Date:</i>                    |                          |  |                      |                         |                                 |
| <i>Improvement Location Source:</i>             |                          |  |                      |                         |                                 |
| <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>                            |                          | 930991270  |                      |                         |                                 |
| <i>Layer:</i>                                   |                          | 1  |                      |                         |                                 |
| <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>                     |                          | 0.0  |                      |                         |                                 |
| <i>Formation End Depth:</i>                     |                          | 37.0   |                      |                         |                                 |
| <i>Formation End Depth UOM:</i>                 |                          | ft   |                      |                         |                                 |
| <b><u>Method of Construction &amp; Well</u></b> |                          |  |                      |                         |                                 |
| <b><u>Use</u></b>                               |                          |  |                      |                         |                                 |
| <i>Method Construction ID:</i>                  |                          | 961501220  |                      |                         |                                 |
| <i>Method Construction Code:</i>                |                          | 7  |                      |                         |                                 |
| <i>Method Construction:</i>                     |                          | Diamond  |                      |                         |                                 |
| <i>Other Method Construction:</i>               |                          |  |                      |                         |                                 |
| <b><u>Pipe Information</u></b>                  |                          |  |                      |                         |                                 |
| <i>Pipe ID:</i>                                 |                          | 10571833   |                      |                         |                                 |
| <i>Casing No:</i>                               |                          | 1  |                      |                         |                                 |
| <i>Comment:</i>                                 |                          |  |                      |                         |                                 |
| <i>Alt Name:</i>                                |                          |  |                      |                         |                                 |
| <b><u>Construction Record - Casing</u></b>      |                          |  |                      |                         |                                 |
| <i>Casing ID:</i>                               |                          | 930039419  |                      |                         |                                 |
| <i>Layer:</i>                                   |                          | 1  |                      |                         |                                 |
| <i>Material:</i>                                |                          | 1  |                      |                         |                                 |

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

**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 8.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930039420  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 37.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991501220  
**Pump Set At:**  
**Static Level:** 4.0  
**Final Level After Pumping:** 20.0  
**Recommended Pump Depth:** 20.0  
**Pumping Rate:** 8.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 8.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 2  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Water Details**

**Water ID:** 933453913  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 37.0  
**Water Found Depth UOM:** ft

**Links**

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <b>Bore Hole ID:</b> 10023263        | <b>Tag No:</b>                      |
| <b>Depth M:</b> 11.2776              | <b>Contractor:</b> 1504             |
| <b>Year Completed:</b> 1962          | <b>Path:</b> 150\1501220.pdf        |
| <b>Well Completed Dt:</b> 1962/07/16 | <b>Latitude:</b> 45.447078593807    |
| <b>Audit No:</b>                     | <b>Longitude:</b> -75.5266525658378 |

[13](#)    1 of 1    **ENE/48.0**    **88.9 / 0.00**    **ON**    **BORE**

|                            |                                 |
|----------------------------|---------------------------------|
| <b>Borehole ID:</b> 615236 | <b>Inclin FLG:</b> No           |
| <b>OGF ID:</b> 215516178   | <b>SP Status:</b> Initial Entry |
| <b>Status:</b>             | <b>Surv Elev:</b> No            |

| Map Key                                | Number of Records   | Direction/ Distance (m) | Elev/Diff (m) | Site                       | DB                            |
|--|---|-------------------------|---------------|----------------------------|-------------------------------|
| <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>             | 10.2  |                         |               | <b>Lot:</b>                |                               |
| <b>Primary Water Use:</b>              |   |                         |               | <b>Township:</b>           |                               |
| <b>Sec. Water Use:</b>                 |   |                         |               | <b>Latitude DD:</b>        | 45.448169                     |
| <b>Total Depth m:</b>                  | -999  |                         |               | <b>Longitude DD:</b>       | -75.524937                    |
| <b>Depth Ref:</b>                      | Ground Surface  |                         |               | <b>UTM Zone:</b>           | 18                            |
| <b>Depth Elev:</b>                     |   |                         |               | <b>Easting:</b>            | 458951                        |
| <b>Drill Method:</b>                   |   |                         |               | <b>Northing:</b>           | 5032872                       |
| <b>Orig Ground Elev m:</b>             | 91.4  |                         |               | <b>Location Accuracy:</b>  |                               |
| <b>Elev Reliabil Note:</b>             |   |                         |               | <b>Accuracy:</b>           | Not Applicable                |
| <b>DEM Ground Elev m:</b>              | 91.3  |                         |               |                            |                               |
| <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>             | 218400891   |                         |               | <b>Mat Consistency:</b>    | Soft                          |
| <b>Top Depth:</b>                      | .9  |                         |               | <b>Material Moisture:</b>  |                               |
| <b>Bottom Depth:</b>                   |   |                         |               | <b>Material Texture:</b>   |                               |
| <b>Material Color:</b>                 | Grey  |                         |               | <b>Non Geo Mat Type:</b>   |                               |
| <b>Material 1:</b>                     | Bedrock   |                         |               | <b>Geologic Formation:</b> |                               |
| <b>Material 2:</b>                     | Limestone   |                         |               | <b>Geologic Group:</b>     |                               |
| <b>Material 3:</b>                     |   |                         |               | <b>Geologic Period:</b>    |                               |
| <b>Material 4:</b>                     |   |                         |               | <b>Depositional Gen:</b>   |                               |
| <b>Gsc Material Description:</b>       |   |                         |               |                            |                               |
| <b>Stratum Description:</b>            | BEDROCK. GREY,SOFT,STIFF,FISSURED. 00000 025 00065 075 00000037ROCK. BEDROCK. WAT **Note: Many records provided by the department have a truncated [Stratum Description] field. |                         |               |                            |                               |
| <b>Geology Stratum ID:</b>             | 218400890   |                         |               | <b>Mat Consistency:</b>    |                               |
| <b>Top Depth:</b>                      | 0   |                         |               | <b>Material Moisture:</b>  |                               |
| <b>Bottom Depth:</b>                   | .9  |                         |               | <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>                     | Stones  |                         |               | <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><u>Source</u></b>                   |   |                         |               |                            |                               |
| <b>Source Type:</b>                    | Data Survey   |                         |               | <b>Source Appl:</b>        | Spatial/Tabular               |
| <b>Source Orig:</b>                    | Geological Survey of Canada   |                         |               | <b>Source Iden:</b>        | 1                             |
| <b>Source Date:</b>                    | 1956-1972   |                         |               | <b>Scale or Res:</b>       | Varies                        |
| <b>Confidence:</b>                     | M   |                         |               | <b>Horizontal:</b>         | NAD27                         |
| <b>Observatio:</b>                     |   |                         |               | <b>Verticalda:</b>         | Mean Average Sea Level        |
| <b>Source Name:</b>                    | Urban Geology Automated Information System (UGAIS)  |                         |               |                            |                               |
| <b>Source Details:</b>                 | File: OTTAWA2.txt RecordID: 077440 NTS_Sheet: 31G05H  |                         |               |                            |                               |
| <b>Confiden 1:</b>                     | Reliable information but incomplete.  |                         |               |                            |                               |
| <b><u>Source List</u></b>              |   |                         |               |                            |                               |
| <b>Source Identifier:</b>              | 1   |                         |               | <b>Horizontal Datum:</b>   | NAD27                         |
| <b>Source Type:</b>                    | Data Survey   |                         |               | <b>Vertical Datum:</b>     | Mean Average Sea Level        |
| <b>Source Date:</b>                    | 1956-1972   |                         |               | <b>Projection Name:</b>    | Universal Transverse Mercator |
| <b>Scale or Resolution:</b>            | Varies  |                         |               |                            |                               |
| <b>Source Name:</b>                    | Urban Geology Automated Information System (UGAIS)  |                         |               |                            |                               |
| <b>Source Originators:</b>             | Geological Survey of Canada   |                         |               |                            |                               |



| Map Key                                  | Number of Records | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site                      | DB   |
|--|-------------------|---|------------------|---------------------------|------|
| <a href="#">14</a>                       | 1 of 1            | ENE/51.3  | 88.9 / 0.00      | lot 5 con 2<br>ON         | WWIS |
| <b>Well ID:</b>                          |                   | 1501224   |                  | <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>          |      |
| <b>Final Well Status:</b>                |                   | Water Supply  |                  | <b>Date Received:</b>     |      |
| <b>Water Type:</b>                       |                   |   |                  | <b>Selected Flag:</b>     |      |
| <b>Casing Material:</b>                  |                   |   |                  | <b>Abandonment Rec:</b>   |      |
| <b>Audit No:</b>                         |                   |   |                  | <b>Contractor:</b>        |      |
| <b>Tag:</b>                              |                   |   |                  | <b>Form Version:</b>      |      |
| <b>Constructn Method:</b>                |                   |   |                  | <b>Owner:</b>             |      |
| <b>Elevation (m):</b>                    |                   |   |                  | <b>County:</b>            |      |
| <b>Elevatn Reliabilty:</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>                     |                   | GLOUCESTER TOWNSHIP   |                  |                           |      |
| <b>Site Info:</b>                        |                   |   |                  |                           |      |
| <b>PDF URL (Map):</b>                    |                   | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501224.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501224.pdf</a> |                  |                           |      |
| <b><u>Additional Detail(s) (Map)</u></b> |                   |   |                  |                           |      |
| <b>Well Completed Date:</b>              |                   | 1963/09/03  |                  |                           |      |
| <b>Year Completed:</b>                   |                   | 1963  |                  |                           |      |
| <b>Depth (m):</b>                        |                   | 13.716  |                  |                           |      |
| <b>Latitude:</b>                         |                   | 45.4479875054964  |                  |                           |      |
| <b>Longitude:</b>                        |                   | -75.5247428326306   |                  |                           |      |
| <b>Path:</b>                             |                   | 150\1501224.pdf   |                  |                           |      |
| <b><u>Bore Hole Information</u></b>      |                   |   |                  |                           |      |
| <b>Bore Hole ID:</b>                     |                   | 10023267  |                  | <b>Elevation:</b>         |      |
| <b>DP2BR:</b>                            |                   |   |                  | <b>Elevrc:</b>            |      |
| <b>Spatial Status:</b>                   |                   |   |                  | <b>Zone:</b>              |      |
| <b>Code OB:</b>                          |                   |   |                  | <b>East83:</b>            |      |
| <b>Code OB Desc:</b>                     |                   |   |                  | <b>North83:</b>           |      |
| <b>Open Hole:</b>                        |                   |   |                  | <b>Org CS:</b>            |      |
| <b>Cluster Kind:</b>                     |                   |   |                  | <b>UTMRC:</b>             |      |
| <b>Date Completed:</b>                   |                   | 03-Sep-1963 00:00:00  |                  | <b>UTMRC Desc:</b>        |      |
| <b>Remarks:</b>                          |                   |   |                  | <b>Location Method:</b>   |      |
| <b>Loc Method Desc:</b>                  |                   | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>                     |                   | 930991281   |                  |                           |      |
| <b>Layer:</b>                            |                   | 2   |                  |                           |      |
| <b>Color:</b>                            |                   |   |                  |                           |      |
| <b>General Color:</b>                    |                   |   |                  |                           |      |
| <b>Mat1:</b>                             |                   | 15  |                  |                           |      |

| <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>Most Common Material:</b>                        |                          | LIMESTONE                          |                          |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |
| <b>Mat2 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                         |                          | 7.0                                |                          |             |           |
| <b>Formation End Depth:</b>                         |                          | 45.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>                |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                    |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                                |                          | 930991280                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Color:</b>                                       |                          |                                    |                          |             |           |
| <b>General Color:</b>                               |                          |                                    |                          |             |           |
| <b>Mat1:</b>  |                          | 06                                 |                          |             |           |
| <b>Most Common Material:</b>                        |                          | SILT                               |                          |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |
| <b>Mat2 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                         |                          | 0.0                                |                          |             |           |
| <b>Formation End Depth:</b>                         |                          | 7.0                                |                          |             |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                      |                          | 961501224                          |                          |             |           |
| <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>                                     |                          | 10571837                           |                          |             |           |
| <b>Casing No:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                                     |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                    |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930039429                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 2                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 45.0                               |                          |             |           |
| <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>                                   |                          | 930039428                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 20.0                               |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 6.0                                |                          |             |           |

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

Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Results of Well Yield Testing**

Pumping Test Method Desc: PUMP  
Pump Test ID: 991501224  
Pump Set At:  
Static Level: 15.0  
Final Level After Pumping: 30.0  
Recommended Pump Depth: 30.0  
Pumping Rate: 5.0  
Flowing Rate:  
Recommended Pump Rate: 5.0  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code: 1  
Water State After Test: CLEAR  
Pumping Test Method: 1  
Pumping Duration HR: 1  
Pumping Duration MIN: 0  
Flowing: No

**Water Details**

Water ID: 933453917  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 40.0  
Water Found Depth UOM: ft

**Links**

|                    |            |             |                   |
|--------------------|------------|-------------|-------------------|
| Bore Hole ID:      | 10023267   | Tag No:     |                   |
| Depth M:           | 13.716     | Contractor: | 3701              |
| Year Completed:    | 1963       | Path:       | 150\1501224.pdf   |
| Well Completed Dt: | 1963/09/03 | Latitude:   | 45.4479875054964  |
| Audit No:          |            | Longitude:  | -75.5247428326306 |

|                    |        |          |             |  |     |
|--------------------|--------|----------|-------------|--|-----|
| <a href="#">15</a> | 1 of 2 | SSW/54.6 | 88.9 / 0.00 | PE4288 - 3484 Innes Road<br>Orléans ON K1C 1T1 | EHS |
|--------------------|--------|----------|-------------|--|-----|

|                          |                 |                       |            |
|--------------------------|-----------------|-----------------------|------------|
| Order No:                | 21082300225     | Nearest Intersection: |            |
| Status:                  | C               | Municipality:         |            |
| Report Type:             | Standard Report | Client Prov/State:    | ON         |
| Report Date:             | 26-AUG-21       | Search Radius (km):   | .25        |
| Date Received:           | 23-AUG-21       | X:                    | -75.526183 |
| Previous Site Name:      |                 | Y:                    | 45.4467084 |
| Lot/Building Size:       |                 |                       |            |
| Additional Info Ordered: |                 |                       |            |

|                    |        |          |             |  |     |
|--------------------|--------|----------|-------------|--|-----|
| <a href="#">15</a> | 2 of 2 | SSW/54.6 | 88.9 / 0.00 | PE4288 - 3484 Innes Road<br>Orléans ON K1C 1T1 | EHS |
|--------------------|--------|----------|-------------|--|-----|

|                     |                 |                       |            |
|---------------------|-----------------|-----------------------|------------|
| Order No:           | 21082300225     | Nearest Intersection: |            |
| Status:             | C               | Municipality:         |            |
| Report Type:        | Standard Report | Client Prov/State:    | ON         |
| Report Date:        | 26-AUG-21       | Search Radius (km):   | .25        |
| Date Received:      | 23-AUG-21       | X:                    | -75.526183 |
| Previous Site Name: |                 | Y:                    | 45.4467084 |

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

Lot/Building Size:  
Additional Info Ordered:

|                    |        |          |             |                   |      |
|--------------------|--------|----------|-------------|-------------------|------|
| <a href="#">16</a> | 1 of 1 | SSE/85.7 | 88.9 / 0.00 | lot 5 con 3<br>ON | WWIS |
|--------------------|--------|----------|-------------|-------------------|------|

|                            |                     |                           |                      |
|----------------------------|---------------------|---------------------------|----------------------|
| <b>Well ID:</b>            | 1510729             | <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>     | 30-Jul-1970 00:00:00 |
| <b>Water Type:</b>         |                     | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>    |                     | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>           |                     | <b>Contractor:</b>        | 1504                 |
| <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>               | 005                  |
| <b>Depth to Bedrock:</b>   |                     | <b>Concession:</b>        | 03                   |
| <b>Well Depth:</b>         |                     | <b>Concession Name:</b>   | OF                   |
| <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>       | GLOUCESTER TOWNSHIP |                           |                      |
| <b>Site Info:</b>          |                     |                           |                      |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1510729.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510729.pdf)

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

**Well Completed Date:** 1969/07/30  
**Year Completed:** 1969  
**Depth (m):** 21.9456  
**Latitude:** 45.4466341463445  
**Longitude:** -75.5254336043491  
**Path:** 151\1510729.pdf

**Bore Hole Information**

|                                     |   |                         |                                |
|-------------------------------------|---|-------------------------|--------------------------------|
| <b>Bore Hole ID:</b>                | 10032746  | <b>Elevation:</b>       |                                |
| <b>DP2BR:</b>                       |   | <b>Elevrc:</b>          |                                |
| <b>Spatial Status:</b>              |   | <b>Zone:</b>            | 18                             |
| <b>Code OB:</b>                     |   | <b>East83:</b>          | 458910.80                      |
| <b>Code OB Desc:</b>                |   | <b>North83:</b>         | 5032702.00                     |
| <b>Open Hole:</b>                   |   | <b>Org CS:</b>          |                                |
| <b>Cluster Kind:</b>                |   | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>              | 30-Jul-1969 00:00:00  | <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>            |   |                         |                                |

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931015676

| <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>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>  |                          |                                    |                          |             |           |
| <b>Mat2 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                         |                          | 70.0                               |                          |             |           |
| <b>Formation End Depth:</b>                         |                          | 72.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>                |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                    |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                                |                          | 931015675                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 1                                  |                          |             |           |
| <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>                         |                          | 0.0                                |                          |             |           |
| <b>Formation End Depth:</b>                         |                          | 70.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                      |                          | 961510729                          |                          |             |           |
| <b>Method Construction Code:</b>                    |                          | 7                                  |                          |             |           |
| <b>Method Construction:</b>                         |                          | Diamond                            |                          |             |           |
| <b>Other Method Construction:</b>                   |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                      |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>                                     |                          | 10581316                           |                          |             |           |
| <b>Casing No:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                                     |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                    |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930058058                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 2                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | GALVANIZED                         |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 72.0                               |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 2.0                                |                          |             |           |
| <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>                                |                          | 991510729                          |                          |             |           |
| <b>Pump Set At:</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>Static Level:</b>                       |                          | 5.0                                |                          |                    |                 |
| <b>Final Level After Pumping:</b>          |                          | 20.0                               |                          |                    |                 |
| <b>Recommended Pump Depth:</b>             |                          | 25.0                               |                          |                    |                 |
| <b>Pumping Rate:</b>                       |                          | 10.0                               |                          |                    |                 |
| <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>        |                          | 1                                  |                          |                    |                 |
| <b>Water State After Test:</b>             |                          | CLEAR                              |                          |                    |                 |
| <b>Pumping Test Method:</b>                |                          | 1                                  |                          |                    |                 |
| <b>Pumping Duration HR:</b>                |                          | 2                                  |                          |                    |                 |
| <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>                |                          | 934097320                          |                          |                    |                 |
| <b>Test Type:</b>                          |                          | Draw Down                          |                          |                    |                 |
| <b>Test Duration:</b>                      |                          | 15                                 |                          |                    |                 |
| <b>Test Level:</b>                         |                          | 20.0                               |                          |                    |                 |
| <b>Test Level UOM:</b>                     |                          | ft                                 |                          |                    |                 |
| <br><b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |                    |                 |
| <b>Pump Test Detail ID:</b>                |                          | 934641631                          |                          |                    |                 |
| <b>Test Type:</b>                          |                          | Draw Down                          |                          |                    |                 |
| <b>Test Duration:</b>                      |                          | 45                                 |                          |                    |                 |
| <b>Test Level:</b>                         |                          | 20.0                               |                          |                    |                 |
| <b>Test Level UOM:</b>                     |                          | ft                                 |                          |                    |                 |
| <br><b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |                    |                 |
| <b>Pump Test Detail ID:</b>                |                          | 934897999                          |                          |                    |                 |
| <b>Test Type:</b>                          |                          | Draw Down                          |                          |                    |                 |
| <b>Test Duration:</b>                      |                          | 60                                 |                          |                    |                 |
| <b>Test Level:</b>                         |                          | 20.0                               |                          |                    |                 |
| <b>Test Level UOM:</b>                     |                          | ft                                 |                          |                    |                 |
| <br><b><u>Draw Down &amp; Recovery</u></b> |                          |                                    |                          |                    |                 |
| <b>Pump Test Detail ID:</b>                |                          | 934380055                          |                          |                    |                 |
| <b>Test Type:</b>                          |                          | Draw Down                          |                          |                    |                 |
| <b>Test Duration:</b>                      |                          | 30                                 |                          |                    |                 |
| <b>Test Level:</b>                         |                          | 20.0                               |                          |                    |                 |
| <b>Test Level UOM:</b>                     |                          | ft                                 |                          |                    |                 |
| <br><b><u>Water Details</u></b>            |                          |                                    |                          |                    |                 |
| <b>Water ID:</b>                           |                          | 933465764                          |                          |                    |                 |
| <b>Layer:</b>                              |                          | 1                                  |                          |                    |                 |
| <b>Kind Code:</b>                          |                          | 1                                  |                          |                    |                 |
| <b>Kind:</b>                               |                          | FRESH                              |                          |                    |                 |
| <b>Water Found Depth:</b>                  |                          | 72.0                               |                          |                    |                 |
| <b>Water Found Depth UOM:</b>              |                          | ft                                 |                          |                    |                 |
| <br><b><u>Links</u></b>                    |                          |                                    |                          |                    |                 |
| <b>Bore Hole ID:</b>                       |                          | 10032746                           |                          | <b>Tag No:</b>     |                 |
| <b>Depth M:</b>                            |                          | 21.9456                            |                          | <b>Contractor:</b> | 1504            |
| <b>Year Completed:</b>                     |                          | 1969                               |                          | <b>Path:</b>       | 151\1510729.pdf |

| Map Key                                | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site   | DB |
|--|-------------------|----------------------------|------------------|--|----|
| <b>Well Completed Dt:</b> 1969/07/30   |                   |                            |                  | <b>Latitude:</b> 45.4466341463445  |    |
| <b>Audit No:</b>                       |                   |                            |                  | <b>Longitude:</b> -75.5254336043491  |    |
| <a href="#">17</a>                     | 1 of 3            | SW/86.7                    | 89.9 / 1.00      | TOM PYNN/JACQUELINE LOCKE-PT. LOT 5,<br>CON3<br>PAGE RD./INNES RD.<br>GLOUCESTER CITY ON | CA |
| <b>Certificate #:</b> 3-1304-90-       |                   |                            |                  |  |    |
| <b>Application Year:</b> 90            |                   |                            |                  |  |    |
| <b>Issue Date:</b> 8/13/1990           |                   |                            |                  |  |    |
| <b>Approval Type:</b> Municipal sewage |                   |                            |                  |  |    |
| <b>Status:</b> Approved                |                   |                            |                  |  |    |
| <b>Application Type:</b>               |                   |                            |                  |  |    |
| <b>Client Name:</b>                    |                   |                            |                  |  |    |
| <b>Client Address:</b>                 |                   |                            |                  |  |    |
| <b>Client City:</b>                    |                   |                            |                  |  |    |
| <b>Client Postal Code:</b>             |                   |                            |                  |  |    |
| <b>Project Description:</b>            |                   |                            |                  |  |    |
| <b>Contaminants:</b>                   |                   |                            |                  |  |    |
| <b>Emission Control:</b>               |                   |                            |                  |  |    |
| <a href="#">17</a>                     | 2 of 3            | SW/86.7                    | 89.9 / 1.00      | R.M. OF OTTAWA-CARLETON<br>INNES RD. PAGE RD.<br>GLOUCESTER CITY ON                      | CA |
| <b>Certificate #:</b> 7-1300-89-       |                   |                            |                  |  |    |
| <b>Application Year:</b> 89            |                   |                            |                  |  |    |
| <b>Issue Date:</b> 8/8/1989            |                   |                            |                  |  |    |
| <b>Approval Type:</b> Municipal water  |                   |                            |                  |  |    |
| <b>Status:</b> Approved                |                   |                            |                  |  |    |
| <b>Application Type:</b>               |                   |                            |                  |  |    |
| <b>Client Name:</b>                    |                   |                            |                  |  |    |
| <b>Client Address:</b>                 |                   |                            |                  |  |    |
| <b>Client City:</b>                    |                   |                            |                  |  |    |
| <b>Client Postal Code:</b>             |                   |                            |                  |  |    |
| <b>Project Description:</b>            |                   |                            |                  |  |    |
| <b>Contaminants:</b>                   |                   |                            |                  |  |    |
| <b>Emission Control:</b>               |                   |                            |                  |  |    |
| <a href="#">17</a>                     | 3 of 3            | SW/86.7                    | 89.9 / 1.00      | GLOUCESTER CITY<br>PAGE RD./INNES RD.<br>GLOUCESTER CITY ON                              | CA |
| <b>Certificate #:</b> 3-0684-94-       |                   |                            |                  |  |    |
| <b>Application Year:</b> 94            |                   |                            |                  |  |    |
| <b>Issue Date:</b> 6/21/1994           |                   |                            |                  |  |    |
| <b>Approval Type:</b> Municipal sewage |                   |                            |                  |  |    |
| <b>Status:</b> Approved                |                   |                            |                  |  |    |
| <b>Application Type:</b>               |                   |                            |                  |  |    |
| <b>Client Name:</b>                    |                   |                            |                  |  |    |
| <b>Client Address:</b>                 |                   |                            |                  |  |    |
| <b>Client City:</b>                    |                   |                            |                  |  |    |
| <b>Client Postal Code:</b>             |                   |                            |                  |  |    |
| <b>Project Description:</b>            |                   |                            |                  |  |    |
| <b>Contaminants:</b>                   |                   |                            |                  |  |    |
| <b>Emission Control:</b>               |                   |                            |                  |  |    |
| <a href="#">18</a>                     | 1 of 2            | SW/86.7                    | 89.9 / 1.00      | GLOUCESTER CITY - SILVERBIRCH RD.<br>PAGE RD./INNES RD./BUTTONFIELD                      | CA |

| Map Key                     | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|-----------------------------|-------------------|----------------------------|------------------|------|----|
| <b>GLOUCESTER CITY ON</b>   |                   |                            |                  |      |    |
| <b>Certificate #:</b>       |                   | 3-1068-92-                 |                  |      |    |
| <b>Application Year:</b>    |                   | 92                         |                  |      |    |
| <b>Issue Date:</b>          |                   | 8/24/1992                  |                  |      |    |
| <b>Approval Type:</b>       |                   | Municipal sewage           |                  |      |    |
| <b>Status:</b>              |                   | Approved                   |                  |      |    |
| <b>Application Type:</b>    |                   |                            |                  |      |    |
| <b>Client Name:</b>         |                   |                            |                  |      |    |
| <b>Client Address:</b>      |                   |                            |                  |      |    |
| <b>Client City:</b>         |                   |                            |                  |      |    |
| <b>Client Postal Code:</b>  |                   |                            |                  |      |    |
| <b>Project Description:</b> |                   |                            |                  |      |    |
| <b>Contaminants:</b>        |                   |                            |                  |      |    |
| <b>Emission Control:</b>    |                   |                            |                  |      |    |

|                             |        |                  |             |  |    |
|-----------------------------|--------|------------------|-------------|--|----|
| <a href="#">18</a>          | 2 of 2 | SW/86.7          | 89.9 / 1.00 | GLOUCESTER CITY<br>PAGE RD./INNES RD./MEADOWGLEN<br>GLOUCESTER CITY ON | CA |
| <b>Certificate #:</b>       |        | 3-1310-94-       |             |  |    |
| <b>Application Year:</b>    |        | 94               |             |  |    |
| <b>Issue Date:</b>          |        | 10/19/1994       |             |  |    |
| <b>Approval Type:</b>       |        | Municipal sewage |             |  |    |
| <b>Status:</b>              |        | Approved         |             |  |    |
| <b>Application Type:</b>    |        |                  |             |  |    |
| <b>Client Name:</b>         |        |                  |             |  |    |
| <b>Client Address:</b>      |        |                  |             |  |    |
| <b>Client City:</b>         |        |                  |             |  |    |
| <b>Client Postal Code:</b>  |        |                  |             |  |    |
| <b>Project Description:</b> |        |                  |             |  |    |
| <b>Contaminants:</b>        |        |                  |             |  |    |
| <b>Emission Control:</b>    |        |                  |             |  |    |

|                            |   |          |             |                           |                      |
|----------------------------|---|----------|-------------|---------------------------|----------------------|
| <a href="#">19</a>         | 1 of 1  | WSW/92.7 | 89.9 / 1.00 | lot 6 con 2<br>ON         | WWIS                 |
| <b>Well ID:</b>            | 1510698   |          |             | <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>            | 0   |          |             | <b>Data Src:</b>          | 1                    |
| <b>Final Well Status:</b>  | Water Supply  |          |             | <b>Date Received:</b>     | 23-Feb-1971 00:00:00 |
| <b>Water Type:</b>         |   |          |             | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>    |   |          |             | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>           |   |          |             | <b>Contractor:</b>        | 1504                 |
| <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>               | 006                  |
| <b>Depth to Bedrock:</b>   |   |          |             | <b>Concession:</b>        | 02                   |
| <b>Well Depth:</b>         |   |          |             | <b>Concession Name:</b>   | OF                   |
| <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>       | GLOUCESTER TOWNSHIP   |          |             |                           |                      |
| <b>Site Info:</b>          |   |          |             |                           |                      |
| <b>PDF URL (Map):</b>      | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510698.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510698.pdf</a> |          |             |                           |                      |

[Additional Detail\(s\) \(Map\)](#)



| <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>Well Completed Date:</b>                         |   | 1970/08/13                         |                          |                         |                                |
| <b>Year Completed:</b>                              |   | 1970                               |                          |                         |                                |
| <b>Depth (m):</b>                                   |   | 14.6304                            |                          |                         |                                |
| <b>Latitude:</b>                                    |   | 45.4468029612063                   |                          |                         |                                |
| <b>Longitude:</b>                                   |   | -75.5278648301032                  |                          |                         |                                |
| <b>Path:</b>  |   | 151\1510698.pdf                    |                          |                         |                                |
| <b><u>Bore Hole Information</u></b>                 |   |                                    |                          |                         |                                |
| <b>Bore Hole ID:</b>                                | 10032721  |                                    |                          | <b>Elevation:</b>       |                                |
| <b>DP2BR:</b>                                       |   |                                    |                          | <b>Elevrc:</b>          |                                |
| <b>Spatial Status:</b>                              |   |                                    |                          | <b>Zone:</b>            | 18                             |
| <b>Code OB:</b>                                     |   |                                    |                          | <b>East83:</b>          | 458720.80                      |
| <b>Code OB Desc:</b>                                |   |                                    |                          | <b>North83:</b>         | 5032722.00                     |
| <b>Open Hole:</b>                                   |   |                                    |                          | <b>Org CS:</b>          |                                |
| <b>Cluster Kind:</b>                                |   |                                    |                          | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>                              | 13-Aug-1970 00:00:00  |                                    |                          | <b>UTMRC Desc:</b>      | margin of error : 30 m - 100 m |
| <b>Remarks:</b>                                     |   |                                    |                          | <b>Location Method:</b> | p4                             |
| <b>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>                                | 931015613   |                                    |                          |                         |                                |
| <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>Formation End Depth:</b>                         | 48.0  |                                    |                          |                         |                                |
| <b>Formation End Depth UOM:</b>                     | ft  |                                    |                          |                         |                                |
| <b><u>Method of Construction &amp; Well Use</u></b> |   |                                    |                          |                         |                                |
| <b>Method Construction ID:</b>                      | 961510698   |                                    |                          |                         |                                |
| <b>Method Construction Code:</b>                    | 7   |                                    |                          |                         |                                |
| <b>Method Construction:</b>                         | Diamond   |                                    |                          |                         |                                |
| <b>Other Method Construction:</b>                   |   |                                    |                          |                         |                                |
| <b><u>Pipe Information</u></b>                      |   |                                    |                          |                         |                                |
| <b>Pipe ID:</b>                                     | 10581291  |                                    |                          |                         |                                |
| <b>Casing No:</b>                                   | 1   |                                    |                          |                         |                                |
| <b>Comment:</b>                                     |   |                                    |                          |                         |                                |
| <b>Alt Name:</b>                                    |   |                                    |                          |                         |                                |
| <b><u>Construction Record - Casing</u></b>          |   |                                    |                          |                         |                                |
| <b>Casing ID:</b>                                   | 930058012   |                                    |                          |                         |                                |

| <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>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Material:</b>                            |                          | 2                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | GALVANIZED                         |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 20.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 2.0                                |                          |             |           |
| <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>                        |                          | 991510698                          |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          | 4.0                                |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          | 15.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          | 25.0                               |                          |             |           |
| <b>Pumping Rate:</b>                        |                          | 10.0                               |                          |             |           |
| <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>         |                          | 1                                  |                          |             |           |
| <b>Water State After Test:</b>              |                          | CLEAR                              |                          |             |           |
| <b>Pumping Test Method:</b>                 |                          | 1                                  |                          |             |           |
| <b>Pumping Duration HR:</b>                 |                          | 2                                  |                          |             |           |
| <b>Pumping Duration MIN:</b>                |                          | 0                                  |                          |             |           |
| <b>Flowing:</b>                             |                          | No                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934641193                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 45                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 15.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934097299                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 15                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 15.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934897979                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 60                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 15.0                               |                          |             |           |
| <b>Test Level UOM:</b>                      |                          | ft                                 |                          |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                    |                          |             |           |
| <b>Pump Test Detail ID:</b>                 |                          | 934380034                          |                          |             |           |
| <b>Test Type:</b>                           |                          | Draw Down                          |                          |             |           |
| <b>Test Duration:</b>                       |                          | 30                                 |                          |             |           |
| <b>Test Level:</b>                          |                          | 15.0                               |                          |             |           |
| <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:** 933465737  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 48.0  
**Water Found Depth UOM:** ft

Links

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <b>Bore Hole ID:</b> 10032721        | <b>Tag No:</b>                      |
| <b>Depth M:</b> 14.6304              | <b>Contractor:</b> 1504             |
| <b>Year Completed:</b> 1970          | <b>Path:</b> 151\1510698.pdf        |
| <b>Well Completed Dt:</b> 1970/08/13 | <b>Latitude:</b> 45.4468029612063   |
| <b>Audit No:</b>                     | <b>Longitude:</b> -75.5278648301032 |

|                    |        |           |             |                   |      |
|--------------------|--------|-----------|-------------|-------------------|------|
| <a href="#">20</a> | 1 of 1 | WNW/100.3 | 89.9 / 1.00 | lot 5 con 2<br>ON | WWIS |
|--------------------|--------|-----------|-------------|-------------------|------|

|  |  |
|--|--|
| <b>Well ID:</b> 1501225                  | <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> 24-Aug-1965 00:00:00 |
| <b>Water Type:</b>                       | <b>Selected Flag:</b> TRUE                 |
| <b>Casing Material:</b>                  | <b>Abandonment Rec:</b>                    |
| <b>Audit No:</b>                         | <b>Contractor:</b> 1504                    |
| <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> 005                            |
| <b>Depth to Bedrock:</b>                 | <b>Concession:</b> 02                      |
| <b>Well Depth:</b>                       | <b>Concession Name:</b> OF                 |
| <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> GLOUCESTER TOWNSHIP |  |
| <b>Site Info:</b>                        |  |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501225.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501225.pdf)

Additional Detail(s) (Map)

**Well Completed Date:** 1965/05/20  
**Year Completed:** 1965  
**Depth (m):** 17.9832  
**Latitude:** 45.448152791132  
**Longitude:** -75.5279413604914  
**Path:** 150\1501225.pdf

Bore Hole Information

|   |  |
|---|--|
| <b>Bore Hole ID:</b> 10023268               | <b>Elevation:</b>                                  |
| <b>DP2BR:</b>                               | <b>Elelvc:</b>                                     |
| <b>Spatial Status:</b>                      | <b>Zone:</b> 18                                    |
| <b>Code OB:</b>                             | <b>East83:</b> 458715.80                           |
| <b>Code OB Desc:</b>                        | <b>North83:</b> 5032872.00                         |
| <b>Open Hole:</b>                           | <b>Org CS:</b>                                     |
| <b>Cluster Kind:</b>                        | <b>UTMRC:</b> 5                                    |
| <b>Date Completed:</b> 20-May-1965 00:00:00 | <b>UTMRC Desc:</b> margin of error : 100 m - 300 m |

| <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>Remarks:</b>                                     |                          |  |                          | <b>Location Method:</b> | p5        |
| <b>Loc Method Desc:</b>                             |                          | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>                            |                          |  |                          |                         |           |
| <br>  |                          |  |                          |                         |           |
| <b><u>Overburden and Bedrock</u></b>                |                          |  |                          |                         |           |
| <b><u>Materials Interval</u></b>                    |                          |  |                          |                         |           |
| <b>Formation ID:</b>                                |                          | 930991282  |                          |                         |           |
| <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>Formation End Depth:</b>                         |                          | 59.0   |                          |                         |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft   |                          |                         |           |
| <br>  |                          |  |                          |                         |           |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |  |                          |                         |           |
| <b>Method Construction ID:</b>                      |                          | 961501225  |                          |                         |           |
| <b>Method Construction Code:</b>                    |                          | 7  |                          |                         |           |
| <b>Method Construction:</b>                         |                          | Diamond  |                          |                         |           |
| <b>Other Method Construction:</b>                   |                          |  |                          |                         |           |
| <br>  |                          |  |                          |                         |           |
| <b><u>Pipe Information</u></b>                      |                          |  |                          |                         |           |
| <b>Pipe ID:</b>                                     |                          | 10571838   |                          |                         |           |
| <b>Casing No:</b>                                   |                          | 1  |                          |                         |           |
| <b>Comment:</b>                                     |                          |  |                          |                         |           |
| <b>Alt Name:</b>                                    |                          |  |                          |                         |           |
| <br>  |                          |  |                          |                         |           |
| <b><u>Construction Record - Casing</u></b>          |                          |  |                          |                         |           |
| <b>Casing ID:</b>                                   |                          | 930039430  |                          |                         |           |
| <b>Layer:</b>                                       |                          | 1  |                          |                         |           |
| <b>Material:</b>                                    |                          | 1  |                          |                         |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL  |                          |                         |           |
| <b>Depth From:</b>                                  |                          |  |                          |                         |           |
| <b>Depth To:</b>                                    |                          | 10.0   |                          |                         |           |
| <b>Casing Diameter:</b>                             |                          | 2.0  |                          |                         |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch   |                          |                         |           |
| <b>Casing Depth UOM:</b>                            |                          | ft   |                          |                         |           |
| <br>  |                          |  |                          |                         |           |
| <b><u>Construction Record - Casing</u></b>          |                          |  |                          |                         |           |
| <b>Casing ID:</b>                                   |                          | 930039431  |                          |                         |           |
| <b>Layer:</b>                                       |                          | 2  |                          |                         |           |
| <b>Material:</b>                                    |                          | 4  |                          |                         |           |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE  |                          |                         |           |
| <b>Depth From:</b>                                  |                          |  |                          |                         |           |
| <b>Depth To:</b>                                    |                          | 59.0   |                          |                         |           |
| <b>Casing Diameter:</b>                             |                          | 2.0  |                          |                         |           |

| Map Key                                     | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                                       | DB   |
|---|-------------------|----------------------------|------------------|--|------|
| <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>                        |                   | 991501225                  |                  |  |      |
| <b>Pump Set At:</b>                         |                   |                            |                  |  |      |
| <b>Static Level:</b>                        |                   | 9.0                        |                  |  |      |
| <b>Final Level After Pumping:</b>           |                   | 20.0                       |                  |  |      |
| <b>Recommended Pump Depth:</b>              |                   | 20.0                       |                  |  |      |
| <b>Pumping Rate:</b>                        |                   | 10.0                       |                  |  |      |
| <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>         |                   | 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>                |                   | 30                         |                  |  |      |
| <b>Flowing:</b>                             |                   | No                         |                  |  |      |
| <b><u>Water Details</u></b>                 |                   |                            |                  |  |      |
| <b>Water ID:</b>                            |                   | 933453918                  |                  |  |      |
| <b>Layer:</b>                               |                   | 1                          |                  |  |      |
| <b>Kind Code:</b>                           |                   | 1                          |                  |  |      |
| <b>Kind:</b>                                |                   | FRESH                      |                  |  |      |
| <b>Water Found Depth:</b>                   |                   | 59.0                       |                  |  |      |
| <b>Water Found Depth UOM:</b>               |                   | ft                         |                  |  |      |
| <b><u>Links</u></b>                         |                   |                            |                  |  |      |
| <b>Bore Hole ID:</b>                        |                   | 10023268                   |                  | <b>Tag No:</b>                             |      |
| <b>Depth M:</b>                             |                   | 17.9832                    |                  | <b>Contractor:</b> 1504                    |      |
| <b>Year Completed:</b>                      |                   | 1965                       |                  | <b>Path:</b> 150\1501225.pdf               |      |
| <b>Well Completed Dt:</b>                   |                   | 1965/05/20                 |                  | <b>Latitude:</b> 45.448152791132           |      |
| <b>Audit No:</b>                            |                   |                            |                  | <b>Longitude:</b> -75.5279413604914        |      |
| <a href="#">21</a>                          | 1 of 1            | WSW/101.2                  | 89.9 / 1.00      | lot 6 con 2<br>ON                          | WWIS |
| <b>Well ID:</b>                             |                   | 1501239                    |                  | <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> 07-Dec-1962 00:00:00 |      |
| <b>Water Type:</b>                          |                   |                            |                  | <b>Selected Flag:</b> TRUE                 |      |
| <b>Casing Material:</b>                     |                   |                            |                  | <b>Abandonment Rec:</b>                    |      |
| <b>Audit No:</b>                            |                   |                            |                  | <b>Contractor:</b> 1504                    |      |
| <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> 006                            |      |
| <b>Depth to Bedrock:</b>                    |                   |                            |                  | <b>Concession:</b> 02                      |      |
| <b>Well Depth:</b>                          |                   |                            |                  | <b>Concession Name:</b> OF                 |      |
| <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>                        |                   | GLOUCESTER TOWNSHIP        |                  |  |      |

| <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>Site Info:</b>                                   |   |                                |                      |                         |                                 |
| <b>PDF URL (Map):</b>                               | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501239.pdf |                                |                      |                         |                                 |
| <b><u>Additional Detail(s) (Map)</u></b>            |   |                                |                      |                         |                                 |
| <b>Well Completed Date:</b>                         | 1962/09/08  |                                |                      |                         |                                 |
| <b>Year Completed:</b>                              | 1962  |                                |                      |                         |                                 |
| <b>Depth (m):</b>                                   | 11.2776   |                                |                      |                         |                                 |
| <b>Latitude:</b>                                    | 45.4466235353197  |                                |                      |                         |                                 |
| <b>Longitude:</b>                                   | -75.5277352802276   |                                |                      |                         |                                 |
| <b>Path:</b>  | 150\1501239.pdf   |                                |                      |                         |                                 |
| <b><u>Bore Hole Information</u></b>                 |   |                                |                      |                         |                                 |
| <b>Bore Hole ID:</b>                                | 10023282  |                                |                      | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                                       |   |                                |                      | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>                              |   |                                |                      | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                                     |   |                                |                      | <b>East83:</b>          | 458730.80                       |
| <b>Code OB Desc:</b>                                |   |                                |                      | <b>North83:</b>         | 5032702.00                      |
| <b>Open Hole:</b>                                   |   |                                |                      | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                                |   |                                |                      | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>                              | 08-Sep-1962 00:00:00  |                                |                      | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                                     |   |                                |                      | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>                             | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>                                | 930991313   |                                |                      |                         |                                 |
| <b>Layer:</b>                                       | 1   |                                |                      |                         |                                 |
| <b>Color:</b>                                       |   |                                |                      |                         |                                 |
| <b>General Color:</b>                               |   |                                |                      |                         |                                 |
| <b>Mat1:</b>  | 15  |                                |                      |                         |                                 |
| <b>Most Common Material:</b>                        | LIMESTONE   |                                |                      |                         |                                 |
| <b>Mat2:</b>  |   |                                |                      |                         |                                 |
| <b>Mat2 Desc:</b>                                   |   |                                |                      |                         |                                 |
| <b>Mat3:</b>  |   |                                |                      |                         |                                 |
| <b>Mat3 Desc:</b>                                   |   |                                |                      |                         |                                 |
| <b>Formation Top Depth:</b>                         | 0.0   |                                |                      |                         |                                 |
| <b>Formation End Depth:</b>                         | 37.0  |                                |                      |                         |                                 |
| <b>Formation End Depth UOM:</b>                     | ft  |                                |                      |                         |                                 |
| <b><u>Method of Construction &amp; Well Use</u></b> |   |                                |                      |                         |                                 |
| <b>Method Construction ID:</b>                      | 961501239   |                                |                      |                         |                                 |
| <b>Method Construction Code:</b>                    | 7   |                                |                      |                         |                                 |
| <b>Method Construction:</b>                         | Diamond   |                                |                      |                         |                                 |
| <b>Other Method Construction:</b>                   |   |                                |                      |                         |                                 |
| <b><u>Pipe Information</u></b>                      |   |                                |                      |                         |                                 |
| <b>Pipe ID:</b>                                     | 10571852  |                                |                      |                         |                                 |
| <b>Casing No:</b>                                   | 1   |                                |                      |                         |                                 |
| <b>Comment:</b>                                     |   |                                |                      |                         |                                 |

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

Alt Name:

**Construction Record - Casing**

Casing ID: 930039457  
 Layer: 2  
 Material: 4  
 Open Hole or Material: OPEN HOLE  
 Depth From:  
 Depth To: 37.0  
 Casing Diameter: 2.0  
 Casing Diameter UOM: inch  
 Casing Depth UOM: ft

**Construction Record - Casing**

Casing ID: 930039456  
 Layer: 1  
 Material: 1  
 Open Hole or Material: STEEL  
 Depth From:  
 Depth To: 12.0  
 Casing Diameter: 2.0  
 Casing Diameter UOM: inch  
 Casing Depth UOM: ft

**Results of Well Yield Testing**

Pumping Test Method Desc: PUMP  
 Pump Test ID: 991501239  
 Pump Set At:  
 Static Level: 5.0  
 Final Level After Pumping: 20.0  
 Recommended Pump Depth: 20.0  
 Pumping Rate: 12.0  
 Flowing Rate:  
 Recommended Pump Rate: 12.0  
 Levels UOM: ft  
 Rate UOM: GPM  
 Water State After Test Code: 1  
 Water State After Test: CLEAR  
 Pumping Test Method: 1  
 Pumping Duration HR: 2  
 Pumping Duration MIN: 0  
 Flowing: No

**Water Details**

Water ID: 933453937  
 Layer: 1  
 Kind Code: 1  
 Kind: FRESH  
 Water Found Depth: 37.0  
 Water Found Depth UOM: ft

**Links**

|                    |            |             |                   |
|--------------------|------------|-------------|-------------------|
| Bore Hole ID:      | 10023282   | Tag No:     | 1504              |
| Depth M:           | 11.2776    | Contractor: | 150\1501239.pdf   |
| Year Completed:    | 1962       | Path:       | 45.4466235353197  |
| Well Completed Dt: | 1962/09/08 | Latitude:   | -75.5277352802276 |
| Audit No:          |            | Longitude:  |                   |

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

22      1 of 1      E/101.5      88.9 / 0.00      ON      BORE

|                            |                |                           |                |
|----------------------------|----------------|---------------------------|----------------|
| <b>Borehole ID:</b>        | 615227         | <b>Inclin FLG:</b>        | No             |
| <b>OGF ID:</b>             | 215516169      | <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>    | NOV-1953       | <b>Municipality:</b>      |                |
| <b>Static Water Level:</b> | 11.2           | <b>Lot:</b>               |                |
| <b>Primary Water Use:</b>  |                | <b>Township:</b>          |                |
| <b>Sec. Water Use:</b>     |                | <b>Latitude DD:</b>       | 45.447723      |
| <b>Total Depth m:</b>      | 13.1           | <b>Longitude DD:</b>      | -75.52391      |
| <b>Depth Ref:</b>          | Ground Surface | <b>UTM Zone:</b>          | 18             |
| <b>Depth Elev:</b>         |                | <b>Easting:</b>           | 459031         |
| <b>Drill Method:</b>       |                | <b>Northing:</b>          | 5032822        |
| <b>Orig Ground Elev m:</b> | 92.4           | <b>Location Accuracy:</b> |                |
| <b>Elev Reliabil Note:</b> |                | <b>Accuracy:</b>          | Not Applicable |
| <b>DEM Ground Elev m:</b>  | 92.1           |                           |                |
| <b>Concession:</b>         |                |                           |                |
| <b>Location D:</b>         |                |                           |                |
| <b>Survey D:</b>           |                |                           |                |
| <b>Comments:</b>           |                |                           |                |

**Borehole Geology Stratum**

|                                  |           |                            |  |
|----------------------------------|-----------|----------------------------|--|
| <b>Geology Stratum ID:</b>       | 218400870 | <b>Mat Consistency:</b>    |  |
| <b>Top Depth:</b>                | 0         | <b>Material Moisture:</b>  |  |
| <b>Bottom Depth:</b>             | 1.8       | <b>Material Texture:</b>   |  |
| <b>Material Color:</b>           |           | <b>Non Geo Mat Type:</b>   |  |
| <b>Material 1:</b>               | Clay      | <b>Geologic Formation:</b> |  |
| <b>Material 2:</b>               | Soil      | <b>Geologic Group:</b>     |  |
| <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>       | 218400871  | <b>Mat Consistency:</b>    |  |
| <b>Top Depth:</b>                | 1.8  | <b>Material Moisture:</b>  |  |
| <b>Bottom Depth:</b>             | 13.1   | <b>Material Texture:</b>   |  |
| <b>Material Color:</b>           | White  | <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. 00040ROCK. WHITE. 00060 BEDROCK. 10DROCK. BEDROCK. BEDROCK. WAT **Note: Many records provided by the department have a truncated [Stratum Description] field. |                            |  |

**Source**

|                        |  |                      |                        |
|------------------------|--|----------------------|------------------------|
| <b>Source Type:</b>    | Data Survey  | <b>Source Appl:</b>  | Spatial/Tabular        |
| <b>Source Orig:</b>    | Geological Survey of Canada                        | <b>Source 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: OTTAWA2.txt RecordID: 07735 NTS_Sheet:       |                      |                        |
| <b>Confiden 1:</b>     |  |                      |                        |

**Source List**



| Map Key   | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site   | DB |
|---|-------------------|----------------------------|------------------|--|----|
| <b>Source Identifier:</b> 1<br><b>Source Type:</b> Data Survey<br><b>Source Date:</b> 1956-1972<br><b>Scale or Resolution:</b> Varies<br><b>Source Name:</b> Urban Geology Automated Information System (UGAIS)<br><b>Source Originators:</b> Geological Survey of Canada |                   |                            |                  | <b>Horizontal Datum:</b> NAD27<br><b>Vertical Datum:</b> Mean Average Sea Level<br><b>Projection Name:</b> Universal Transverse Mercator |    |

|   |        |  |             |                   |      |
|---|--------|--|-------------|-------------------|------|
| <a href="#">23</a>  | 1 of 1 | E/101.5  | 88.9 / 0.00 | lot 5 con 3<br>ON | WWIS |
| <b>Well ID:</b> 1501410<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> GLOUCESTER 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> 13-Jan-1954 00:00:00<br><b>Selected Flag:</b> TRUE<br><b>Abandonment Rec:</b><br><b>Contractor:</b> 1802<br><b>Form Version:</b> 1<br><b>Owner:</b><br><b>County:</b> OTTAWA-CARLETON<br><b>Lot:</b> 005<br><b>Concession:</b> 03<br><b>Concession Name:</b> OF<br><b>Easting NAD83:</b><br><b>Northing NAD83:</b><br><b>Zone:</b><br><b>UTM Reliability:</b> |             |                   |      |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501410.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501410.pdf)

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

**Well Completed Date:** 1953/11/27  
**Year Completed:** 1953  
**Depth (m):** 13.1064  
**Latitude:** 45.4477212956805  
**Longitude:** -75.5239091518308  
**Path:** 150\1501410.pdf

**Bore Hole Information**

|  |   |
|--|---|
| <b>Bore Hole ID:</b> 10023453<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> 27-Nov-1953 00:00:00<br><b>Remarks:</b><br><b>Loc Method Desc:</b> Original Pre1985 UTM Rel Code 9: unknown UTM<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> 459030.80<br><b>North83:</b> 5032822.00<br><b>Org CS:</b><br><b>UTMRC:</b> 9<br><b>UTMRC Desc:</b> unknown UTM<br><b>Location Method:</b> p9 |
|--|---|

| <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>  |                          |                                    | 930991765                |             |           |
| <b>Layer:</b>   |                          |                                    | 1                        |             |           |
| <b>Color:</b>   |                          |                                    |                          |             |           |
| <b>General Color:</b>                                       |                          |                                    |                          |             |           |
| <b>Mat1:</b>  |                          |                                    | 05                       |             |           |
| <b>Most Common Material:</b>                                |                          |                                    | CLAY                     |             |           |
| <b>Mat2:</b>  |                          |                                    | 02                       |             |           |
| <b>Mat2 Desc:</b>   |                          |                                    | TOPSOIL                  |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          |                                    | 0.0                      |             |           |
| <b>Formation End Depth:</b>                                 |                          |                                    | 6.0                      |             |           |
| <b>Formation End Depth UOM:</b>                             |                          |                                    | ft                       |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          |                                    | 930991766                |             |           |
| <b>Layer:</b>   |                          |                                    | 2                        |             |           |
| <b>Color:</b>   |                          |                                    |                          |             |           |
| <b>General Color:</b>                                       |                          |                                    |                          |             |           |
| <b>Mat1:</b>  |                          |                                    | 15                       |             |           |
| <b>Most Common Material:</b>                                |                          |                                    | LIMESTONE                |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |
| <b>Mat2 Desc:</b>   |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          |                                    | 6.0                      |             |           |
| <b>Formation End Depth:</b>                                 |                          |                                    | 43.0                     |             |           |
| <b>Formation End Depth UOM:</b>                             |                          |                                    | ft                       |             |           |
| <b><u>Method of Construction &amp; Well<br/>Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                              |                          |                                    | 961501410                |             |           |
| <b>Method Construction Code:</b>                            |                          |                                    | 7                        |             |           |
| <b>Method Construction:</b>                                 |                          |                                    | Diamond                  |             |           |
| <b>Other Method Construction:</b>                           |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                              |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>   |                          |                                    | 10572023                 |             |           |
| <b>Casing No:</b>   |                          |                                    | 1                        |             |           |
| <b>Comment:</b>   |                          |                                    |                          |             |           |
| <b>Alt Name:</b>  |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>                  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>   |                          |                                    | 930039791                |             |           |
| <b>Layer:</b>   |                          |                                    | 2                        |             |           |
| <b>Material:</b>  |                          |                                    | 4                        |             |           |
| <b>Open Hole or Material:</b>                               |                          |                                    | OPEN HOLE                |             |           |
| <b>Depth From:</b>  |                          |                                    |                          |             |           |
| <b>Depth To:</b>  |                          |                                    | 43.0                     |             |           |
| <b>Casing Diameter:</b>                                     |                          |                                    | 2.0                      |             |           |
| <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 |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

**Casing ID:** 930039790  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 7.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991501410  
**Pump Set At:**  
**Static Level:** 7.0  
**Final Level After Pumping:** 17.0  
**Recommended Pump Depth:**  
**Pumping Rate:** 8.0  
**Flowing Rate:**  
**Recommended Pump Rate:**  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:**  
**Pumping Duration MIN:**  
**Flowing:** No

**Water Details**

**Water ID:** 933454117  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 40.0  
**Water Found Depth UOM:** ft

**Links**

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <b>Bore Hole ID:</b> 10023453        | <b>Tag No:</b>                      |
| <b>Depth M:</b> 13.1064              | <b>Contractor:</b> 1802             |
| <b>Year Completed:</b> 1953          | <b>Path:</b> 150\1501410.pdf        |
| <b>Well Completed Dt:</b> 1953/11/27 | <b>Latitude:</b> 45.4477212956805   |
| <b>Audit No:</b>                     | <b>Longitude:</b> -75.5239091518308 |

| 24                                     | 1 of 1                                     | W/106.0 | 89.9 / 1.00 | lot 6 con 2<br>ON | WWIS |
|--|--|---------|-------------|-------------------|------|
| <b>Well ID:</b> 1501233                | <b>Flowing (Y/N):</b>                      |         |             |                   |      |
| <b>Construction Date:</b>              | <b>Flow Rate:</b>                          |         |             |                   |      |
| <b>Use 1st:</b> Public                 | <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> 07-Sep-1960 00:00:00 |         |             |                   |      |
| <b>Water Type:</b>                     | <b>Selected Flag:</b> TRUE                 |         |             |                   |      |
| <b>Casing Material:</b>                | <b>Abandonment Rec:</b>                    |         |             |                   |      |
| <b>Audit No:</b>                       | <b>Contractor:</b> 3701                    |         |             |                   |      |
| <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 Reliability:</b> |                   |                            |                  | <b>Lot:</b>             | 006 |
| <b>Depth to Bedrock:</b>    |                   |                            |                  | <b>Concession:</b>      | 02  |
| <b>Well Depth:</b>          |                   |                            |                  | <b>Concession Name:</b> | OF  |
| <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>        |                   | GLOUCESTER TOWNSHIP        |                  |                         |     |
| <b>Site Info:</b>           |                   |                            |                  |                         |     |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501233.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501233.pdf)

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

**Well Completed Date:** 1960/06/30  
**Year Completed:** 1960  
**Depth (m):** 49.9872  
**Latitude:** 45.4477006798946  
**Longitude:** -75.5283847185956  
**Path:** 150\1501233.pdf

**Bore Hole Information**

|                                     |  |                         |                                 |
|-------------------------------------|--|-------------------------|---------------------------------|
| <b>Bore Hole ID:</b>                | 10023276   | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                       |  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>              |  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                     |  | <b>East83:</b>          | 458680.80                       |
| <b>Code OB Desc:</b>                |  | <b>North83:</b>         | 5032822.00                      |
| <b>Open Hole:</b>                   |  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                |  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>              | 30-Jun-1960 00:00:00   | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                     |  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>             | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>            |  |                         |                                 |

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 930991299  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 7.0  
**Formation End Depth:** 164.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 930991298  
**Layer:** 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> |
|---|--------------------------|--------------------------------|----------------------|-------------|-----------|
| <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>                         |                          | 7.0                            |                      |             |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft                             |                      |             |           |
| <br>  |                          |                                |                      |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |                                |                      |             |           |
| <b>Method Construction ID:</b>                      |                          | 961501233                      |                      |             |           |
| <b>Method Construction Code:</b>                    |                          | 1                              |                      |             |           |
| <b>Method Construction:</b>                         |                          | Cable Tool                     |                      |             |           |
| <b>Other Method Construction:</b>                   |                          |                                |                      |             |           |
| <br>  |                          |                                |                      |             |           |
| <b><u>Pipe Information</u></b>                      |                          |                                |                      |             |           |
| <b>Pipe ID:</b>                                     |                          | 10571846                       |                      |             |           |
| <b>Casing No:</b>                                   |                          | 1                              |                      |             |           |
| <b>Comment:</b>                                     |                          |                                |                      |             |           |
| <b>Alt Name:</b>                                    |                          |                                |                      |             |           |
| <br>  |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                   |                          | 930039447                      |                      |             |           |
| <b>Layer:</b>                                       |                          | 2                              |                      |             |           |
| <b>Material:</b>                                    |                          | 4                              |                      |             |           |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE                      |                      |             |           |
| <b>Depth From:</b>                                  |                          |                                |                      |             |           |
| <b>Depth To:</b>                                    |                          | 164.0                          |                      |             |           |
| <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>                                   |                          | 930039446                      |                      |             |           |
| <b>Layer:</b>                                       |                          | 1                              |                      |             |           |
| <b>Material:</b>                                    |                          | 1                              |                      |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                          |                      |             |           |
| <b>Depth From:</b>                                  |                          |                                |                      |             |           |
| <b>Depth To:</b>                                    |                          | 17.0                           |                      |             |           |
| <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>                                |                          | 991501233                      |                      |             |           |
| <b>Pump Set At:</b>                                 |                          |                                |                      |             |           |
| <b>Static Level:</b>                                |                          | 5.0                            |                      |             |           |
| <b>Final Level After Pumping:</b>                   |                          | 140.0                          |                      |             |           |
| <b>Recommended Pump Depth:</b>                      |                          | 140.0                          |                      |             |           |
| <b>Pumping Rate:</b>                                |                          | 42.0                           |                      |             |           |
| <b>Flowing Rate:</b>                                |                          |                                |                      |             |           |
| <b>Recommended Pump Rate:</b>                       |                          | 42.0                           |                      |             |           |

| Map Key                             | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|-------------------------------------|-------------------|----------------------------|------------------|------|----|
| <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>         |                   | 24                         |                  |      |    |
| <b>Pumping Duration MIN:</b>        |                   | 0                          |                  |      |    |
| <b>Flowing:</b>                     |                   | No                         |                  |      |    |

Water Details

**Water ID:** 933453927  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 90.0  
**Water Found Depth UOM:** ft

Water Details

**Water ID:** 933453929  
**Layer:** 3  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 164.0  
**Water Found Depth UOM:** ft

Water Details

**Water ID:** 933453928  
**Layer:** 2  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 150.0  
**Water Found Depth UOM:** ft

Links

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <b>Bore Hole ID:</b> 10023276        | <b>Tag No:</b>                      |
| <b>Depth M:</b> 49.9872              | <b>Contractor:</b> 3701             |
| <b>Year Completed:</b> 1960          | <b>Path:</b> 150\1501233.pdf        |
| <b>Well Completed Dt:</b> 1960/06/30 | <b>Latitude:</b> 45.4477006798946   |
| <b>Audit No:</b>                     | <b>Longitude:</b> -75.5283847185956 |

[25](#) 1 of 5 S/113.5 88.9 / 0.00 JEANNINE T KNIGHTON 2305 PAGE RD,,OTTAWA,ON,K1W 1H3,CA ON **PINC**

|  |  |                            |
|--|--|----------------------------|
| <b>Incident Id:</b>                            |  | <b>Pipe Material:</b>      |
| <b>Incident No:</b> 1449252                    |  | <b>Fuel Category:</b>      |
| <b>Incident Reported Dt:</b> 7/30/2014         |  | <b>Health Impact:</b>      |
| <b>Type:</b> FS-Pipeline Incident              |  | <b>Environment Impact:</b> |
| <b>Status Code:</b>                            |  | <b>Property Damage:</b>    |
| <b>Tank Status:</b> Pipeline Damage Reason Est |  | <b>Service Interrupt:</b>  |
| <b>Task No:</b>                                |  | <b>Enforce Policy:</b>     |
| <b>Spills Action Centre:</b>                   |  | <b>Public Relation:</b>    |
| <b>Fuel Type:</b>                              |  | <b>Pipeline System:</b>    |
| <b>Fuel Occurrence Tp:</b>                     |  | <b>PSIG:</b>               |
| <b>Date of Occurrence:</b>                     |  | <b>Attribute Category:</b> |
| <b>Occurrence Start Dt:</b>                    |  | <b>Regulator Location:</b> |
| <b>Depth:</b>                                  |  | <b>Method Details:</b>     |
| <b>Customer Acct Name:</b> JEANNINE T KNIGHTON |  |                            |

| Map Key   | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site   | DB   |
|---|-------------------|----------------------------|------------------|--|------|
| <b>Incident Address:</b> 2305 PAGE RD.,OTTAWA,ON,K1W 1H3,CA   |                   |                            |                  |  |      |
| <b>Operation Type:</b>  |                   |                            |                  |  |      |
| <b>Pipeline Type:</b>   |                   |                            |                  |  |      |
| <b>Regulator Type:</b>  |                   |                            |                  |  |      |
| <b>Summary:</b>   |                   |                            |                  |  |      |
| <b>Reported By:</b>   |                   |                            |                  |  |      |
| <b>Affiliation:</b>   |                   |                            |                  |  |      |
| <b>Occurrence Desc:</b>                                       |                   |                            |                  |  |      |
| <b>Damage Reason:</b>   |                   |                            |                  |  |      |
| <b>Notes:</b>   |                   |                            |                  |  |      |
| <a href="#">25</a>  | 2 of 5            | S/113.5                    | 88.9 / 0.00      | 2305 Pagé Road<br>Orléans ON K1W 1H3                               | EHS  |
| <b>Order No:</b> 20190219164                                  |                   |                            |                  |  |      |
| <b>Status:</b> C  |                   |                            |                  |  |      |
| <b>Report Type:</b> Standard Report                           |                   |                            |                  |  |      |
| <b>Report Date:</b> 21-FEB-19                                 |                   |                            |                  |  |      |
| <b>Date Received:</b> 19-FEB-19                               |                   |                            |                  |  |      |
| <b>Previous Site Name:</b>                                    |                   |                            |                  |  |      |
| <b>Lot/Building Size:</b>                                     |                   |                            |                  |  |      |
| <b>Additional Info Ordered:</b> City Directory; Aerial Photos |                   |                            |                  |  |      |
| <b>Nearest Intersection:</b>                                  |                   |                            |                  |  |      |
| <b>Municipality:</b>  |                   |                            |                  |  |      |
| <b>Client Prov/State:</b> ON                                  |                   |                            |                  |  |      |
| <b>Search Radius (km):</b> .25                                |                   |                            |                  |  |      |
| <b>X:</b> -75.526365  |                   |                            |                  |  |      |
| <b>Y:</b> 45.446049   |                   |                            |                  |  |      |
| <a href="#">25</a>  | 3 of 5            | S/113.5                    | 88.9 / 0.00      | PIPELINE HIT - 1 1/4"<br>2305 PAGE RD.,ORLÉANS,ON,K1W 1H3,CA<br>ON | PINC |
| <b>Incident Id:</b>   |                   |                            |                  |  |      |
| <b>Incident No:</b> 1455758                                   |                   |                            |                  |  |      |
| <b>Incident Reported Dt:</b> 8/11/2014                        |                   |                            |                  |  |      |
| <b>Type:</b> FS-Pipeline Incident                             |                   |                            |                  |  |      |
| <b>Status Code:</b>   |                   |                            |                  |  |      |
| <b>Tank Status:</b> Non Mandated                              |                   |                            |                  |  |      |
| <b>Task No:</b>   |                   |                            |                  |  |      |
| <b>Spills Action Centre:</b>                                  |                   |                            |                  |  |      |
| <b>Fuel Type:</b>   |                   |                            |                  |  |      |
| <b>Fuel Occurrence Tp:</b>                                    |                   |                            |                  |  |      |
| <b>Date of Occurrence:</b>                                    |                   |                            |                  |  |      |
| <b>Occurrence Start Dt:</b>                                   |                   |                            |                  |  |      |
| <b>Depth:</b>   |                   |                            |                  |  |      |
| <b>Customer Acct Name:</b> PIPELINE HIT - 1 1/4"              |                   |                            |                  |  |      |
| <b>Incident Address:</b> 2305 PAGE RD.,ORLÉANS,ON,K1W 1H3,CA  |                   |                            |                  |  |      |
| <b>Operation Type:</b>  |                   |                            |                  |  |      |
| <b>Pipeline Type:</b>   |                   |                            |                  |  |      |
| <b>Regulator Type:</b>  |                   |                            |                  |  |      |
| <b>Summary:</b>   |                   |                            |                  |  |      |
| <b>Reported By:</b>   |                   |                            |                  |  |      |
| <b>Affiliation:</b>   |                   |                            |                  |  |      |
| <b>Occurrence Desc:</b>                                       |                   |                            |                  |  |      |
| <b>Damage Reason:</b>   |                   |                            |                  |  |      |
| <b>Notes:</b>   |                   |                            |                  |  |      |
| <b>Pipe Material:</b>   |                   |                            |                  |  |      |
| <b>Fuel Category:</b>   |                   |                            |                  |  |      |
| <b>Health Impact:</b>   |                   |                            |                  |  |      |
| <b>Environment Impact:</b>                                    |                   |                            |                  |  |      |
| <b>Property Damage:</b>                                       |                   |                            |                  |  |      |
| <b>Service Interrupt:</b>                                     |                   |                            |                  |  |      |
| <b>Enforce Policy:</b>  |                   |                            |                  |  |      |
| <b>Public Relation:</b>                                       |                   |                            |                  |  |      |
| <b>Pipeline System:</b>                                       |                   |                            |                  |  |      |
| <b>PSIG:</b>  |                   |                            |                  |  |      |
| <b>Attribute Category:</b>                                    |                   |                            |                  |  |      |
| <b>Regulator Location:</b>                                    |                   |                            |                  |  |      |
| <b>Method Details:</b>  |                   |                            |                  |  |      |
| <a href="#">25</a>  | 4 of 5            | S/113.5                    | 88.9 / 0.00      | 2305 Pagé Road<br>Orléans ON K1W 1H3                               | EHS  |
| <b>Order No:</b> 21101900023                                  |                   |                            |                  |  |      |
| <b>Status:</b> C  |                   |                            |                  |  |      |
| <b>Report Type:</b> Custom Report                             |                   |                            |                  |  |      |
| <b>Report Date:</b> 22-OCT-21                                 |                   |                            |                  |  |      |
| <b>Date Received:</b> 19-OCT-21                               |                   |                            |                  |  |      |
| <b>Nearest Intersection:</b>                                  |                   |                            |                  |  |      |
| <b>Municipality:</b>  |                   |                            |                  |  |      |
| <b>Client Prov/State:</b> ON                                  |                   |                            |                  |  |      |
| <b>Search Radius (km):</b> .2                                 |                   |                            |                  |  |      |
| <b>X:</b> -75.5262811   |                   |                            |                  |  |      |

| Map Key                         | Number of Records   | Direction/<br>Distance (m)   | Elev/Diff<br>(m) | Site                                  | DB         |
|---------------------------------|---|------------------------------|------------------|---------------------------------------|------------|
| <b>Previous Site Name:</b>      |   |                              |                  | Y:                                    | 45.4461769 |
| <b>Lot/Building Size:</b>       |   |                              |                  |                                       |            |
| <b>Additional Info Ordered:</b> |   |                              |                  | Fire Insur. Maps and/or Site Plans    |            |
| <a href="#">25</a>              | 5 of 5  | S/113.5                      | 88.9 / 0.00      | 2305 Pagé Road<br>Orléans ON K1W 1H3  | EHS        |
| <b>Order No:</b>                | 21101900023   | <b>Nearest Intersection:</b> |                  |                                       |            |
| <b>Status:</b>                  | C   | <b>Municipality:</b>         |                  |                                       |            |
| <b>Report Type:</b>             | Custom Report   | <b>Client Prov/State:</b>    |                  | ON                                    |            |
| <b>Report Date:</b>             | 22-OCT-21   | <b>Search Radius (km):</b>   |                  | .2                                    |            |
| <b>Date Received:</b>           | 19-OCT-21   | <b>X:</b>                    |                  | -75.5262811                           |            |
| <b>Previous Site Name:</b>      |   | <b>Y:</b>                    |                  | 45.4461769                            |            |
| <b>Lot/Building Size:</b>       |   |                              |                  |                                       |            |
| <b>Additional Info Ordered:</b> | Fire Insur. Maps and/or Site Plans  |                              |                  |                                       |            |
| <a href="#">26</a>              | 1 of 2  | E/113.8                      | 88.9 / 0.00      | 3554 Innes Road<br>Orléans ON K1C 1T1 | EHS        |
| <b>Order No:</b>                | 20200103017   | <b>Nearest Intersection:</b> |                  |                                       |            |
| <b>Status:</b>                  | C   | <b>Municipality:</b>         |                  |                                       |            |
| <b>Report Type:</b>             | Standard Report   | <b>Client Prov/State:</b>    |                  | ON                                    |            |
| <b>Report Date:</b>             | 08-JAN-20   | <b>Search Radius (km):</b>   |                  | .25                                   |            |
| <b>Date Received:</b>           | 03-JAN-20   | <b>X:</b>                    |                  | -75.523763                            |            |
| <b>Previous Site Name:</b>      |   | <b>Y:</b>                    |                  | 45.4477849                            |            |
| <b>Lot/Building Size:</b>       |   |                              |                  |                                       |            |
| <b>Additional Info Ordered:</b> | Fire Insur. Maps and/or Site Plans; Topographic Maps; City Directory; Aerial Photos |                              |                  |                                       |            |
| <a href="#">26</a>              | 2 of 2  | E/113.8                      | 88.9 / 0.00      | 3554 Innes Road<br>Orléans ON K1C 1T1 | EHS        |
| <b>Order No:</b>                | 20200103017   | <b>Nearest Intersection:</b> |                  |                                       |            |
| <b>Status:</b>                  | C   | <b>Municipality:</b>         |                  |                                       |            |
| <b>Report Type:</b>             | Standard Report   | <b>Client Prov/State:</b>    |                  | ON                                    |            |
| <b>Report Date:</b>             | 08-JAN-20   | <b>Search Radius (km):</b>   |                  | .25                                   |            |
| <b>Date Received:</b>           | 03-JAN-20   | <b>X:</b>                    |                  | -75.523763                            |            |
| <b>Previous Site Name:</b>      |   | <b>Y:</b>                    |                  | 45.4477849                            |            |
| <b>Lot/Building Size:</b>       |   |                              |                  |                                       |            |
| <b>Additional Info Ordered:</b> | Fire Insur. Maps and/or Site Plans; Topographic Maps; City Directory; Aerial Photos |                              |                  |                                       |            |
| <a href="#">27</a>              | 1 of 1  | WSW/114.4                    | 89.9 / 1.00      | lot 6 con 2<br>ON                     | WWIS       |
| <b>Well ID:</b>                 | 1501230   | <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>        |                  | 22-Oct-1953 00:00:00                  |            |
| <b>Water Type:</b>              |   | <b>Selected Flag:</b>        |                  | TRUE                                  |            |
| <b>Casing Material:</b>         |   | <b>Abandonment Rec:</b>      |                  |                                       |            |
| <b>Audit No:</b>                |   | <b>Contractor:</b>           |                  | 1802                                  |            |
| <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>                  |                  | 006                                   |            |
| <b>Depth to Bedrock:</b>        |   | <b>Concession:</b>           |                  | 02                                    |            |
| <b>Well Depth:</b>              |   | <b>Concession Name:</b>      |                  | OF                                    |            |
| <b>Overburden/Bedrock:</b>      |   | <b>Easting NAD83:</b>        |                  |                                       |            |
| <b>Pump Rate:</b>               |   | <b>Northing NAD83:</b>       |                  |                                       |            |



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

**Static Water Level:**  
**Clear/Cloudy:**  
**Municipality:**  
**Site Info:**

GLOUCESTER TOWNSHIP

**Zone:**  
**UTM Reliability:**

**PDF URL (Map):**

https://d2khazk8e83rdv.cloudfront.net/moe\_mapping/downloads/2Water/Wells\_pdfs/150\1501230.pdf

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

**Well Completed Date:** 1953/10/19  
**Year Completed:** 1953  
**Depth (m):** 14.6304  
**Latitude:** 45.4467117706776  
**Longitude:** -75.5281197326695  
**Path:** 150\1501230.pdf

**Bore Hole Information**

**Bore Hole ID:** 10023273  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 19-Oct-1953 00:00:00  
**Remarks:**  
**Loc Method Desc:** Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Elevation:**  
**Elevrc:**  
**Zone:** 18  
**East83:** 458700.80  
**North83:** 5032712.00  
**Org CS:**  
**UTMRC:** 5  
**UTMRC Desc:** margin of error : 100 m - 300 m  
**Location Method:** p5

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

**Formation ID:** 930991290  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 48.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well Use**

**Method Construction ID:** 961501230  
**Method Construction Code:** 7  
**Method Construction:** Diamond  
**Other Method Construction:**

**Pipe Information**

| <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>Pipe ID:</i>                             |                          | 10571843                       |                      |                    |           |
| <i>Casing No:</i>                           |                          | 1                              |                      |                    |           |
| <i>Comment:</i>                             |                          |                                |                      |                    |           |
| <i>Alt Name:</i>                            |                          |                                |                      |                    |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                |                      |                    |           |
| <i>Casing ID:</i>                           |                          | 930039440                      |                      |                    |           |
| <i>Layer:</i>                               |                          | 1                              |                      |                    |           |
| <i>Material:</i>                            |                          | 1                              |                      |                    |           |
| <i>Open Hole or Material:</i>               |                          | STEEL                          |                      |                    |           |
| <i>Depth From:</i>                          |                          |                                |                      |                    |           |
| <i>Depth To:</i>                            |                          | 10.0                           |                      |                    |           |
| <i>Casing Diameter:</i>                     |                          | 2.0                            |                      |                    |           |
| <i>Casing Diameter UOM:</i>                 |                          | inch                           |                      |                    |           |
| <i>Casing Depth UOM:</i>                    |                          | ft                             |                      |                    |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                |                      |                    |           |
| <i>Casing ID:</i>                           |                          | 930039441                      |                      |                    |           |
| <i>Layer:</i>                               |                          | 2                              |                      |                    |           |
| <i>Material:</i>                            |                          | 4                              |                      |                    |           |
| <i>Open Hole or Material:</i>               |                          | OPEN HOLE                      |                      |                    |           |
| <i>Depth From:</i>                          |                          |                                |                      |                    |           |
| <i>Depth To:</i>                            |                          | 48.0                           |                      |                    |           |
| <i>Casing Diameter:</i>                     |                          | 2.0                            |                      |                    |           |
| <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>                        |                          | 991501230                      |                      |                    |           |
| <i>Pump Set At:</i>                         |                          |                                |                      |                    |           |
| <i>Static Level:</i>                        |                          | 10.0                           |                      |                    |           |
| <i>Final Level After Pumping:</i>           |                          | 15.0                           |                      |                    |           |
| <i>Recommended Pump Depth:</i>              |                          |                                |                      |                    |           |
| <i>Pumping Rate:</i>                        |                          | 8.0                            |                      |                    |           |
| <i>Flowing Rate:</i>                        |                          |                                |                      |                    |           |
| <i>Recommended Pump Rate:</i>               |                          |                                |                      |                    |           |
| <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                             |                      |                    |           |
| <b><u>Water Details</u></b>                 |                          |                                |                      |                    |           |
| <i>Water ID:</i>                            |                          | 933453924                      |                      |                    |           |
| <i>Layer:</i>                               |                          | 1                              |                      |                    |           |
| <i>Kind Code:</i>                           |                          | 1                              |                      |                    |           |
| <i>Kind:</i>                                |                          | FRESH                          |                      |                    |           |
| <i>Water Found Depth:</i>                   |                          | 41.0                           |                      |                    |           |
| <i>Water Found Depth UOM:</i>               |                          | ft                             |                      |                    |           |
| <b><u>Links</u></b>                         |                          |                                |                      |                    |           |
| <i>Bore Hole ID:</i>                        |                          | 10023273                       |                      | <i>Tag No:</i>     |           |
| <i>Depth M:</i>                             |                          | 14.6304                        |                      | <i>Contractor:</i> | 1802      |

| Map Key            | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site       | DB                |
|--------------------|-------------------|----------------------------|------------------|------------|-------------------|
| Year Completed:    | 1953              |                            |                  | Path:      | 150\1501230.pdf   |
| Well Completed Dt: | 1953/10/19        |                            |                  | Latitude:  | 45.4467117706776  |
| Audit No:          |                   |                            |                  | Longitude: | -75.5281197326695 |

|                     |                     |           |             |                    |                      |
|---------------------|---------------------|-----------|-------------|--------------------|----------------------|
| <a href="#">28</a>  | 1 of 1              | WNW/118.7 | 89.9 / 1.00 | lot 5 con 2<br>ON  | WWIS                 |
| Well ID:            | 1501226             |           |             | Flowing (Y/N):     |                      |
| Construction Date:  |                     |           |             | Flow Rate:         |                      |
| Use 1st:            | Domestic            |           |             | Data Entry Status: |                      |
| Use 2nd:            | 0                   |           |             | Data Src:          | 1                    |
| Final Well Status:  | Water Supply        |           |             | Date Received:     | 24-Aug-1965 00:00:00 |
| Water Type:         |                     |           |             | Selected Flag:     | TRUE                 |
| Casing Material:    |                     |           |             | Abandonment Rec:   |                      |
| Audit No:           |                     |           |             | Contractor:        | 1504                 |
| Tag:                |                     |           |             | Form Version:      | 1                    |
| Constructn Method:  |                     |           |             | Owner:             |                      |
| Elevation (m):      |                     |           |             | County:            | OTTAWA-CARLETON      |
| Elevatn Reliabilty: |                     |           |             | Lot:               | 005                  |
| Depth to Bedrock:   |                     |           |             | Concession:        | 02                   |
| Well Depth:         |                     |           |             | Concession Name:   | OF                   |
| Overburden/Bedrock: |                     |           |             | Easting NAD83:     |                      |
| Pump Rate:          |                     |           |             | Northing NAD83:    |                      |
| Static Water Level: |                     |           |             | Zone:              |                      |
| Clear/Cloudy:       |                     |           |             | UTM Reliability:   |                      |
| Municipality:       | GLOUCESTER TOWNSHIP |           |             |                    |                      |
| Site Info:          |                     |           |             |                    |                      |

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501226.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501226.pdf)

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

Well Completed Date: 1965/07/28  
 Year Completed: 1965  
 Depth (m): 17.0688  
 Latitude: 45.4483325122916  
 Longitude: -75.5280069772123  
 Path: 150\1501226.pdf

**Bore Hole Information**

Bore Hole ID: 10023269  
 DP2BR:  
 Spatial Status:  
 Code OB:  
 Code OB Desc:  
 Open Hole:  
 Cluster Kind:  
 Date Completed: 28-Jul-1965 00:00:00  
 Remarks:  
 Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m  
 Elevrc Desc:  
 Location Source Date:  
 Improvement Location Source:  
 Improvement Location Method:  
 Source Revision Comment:  
 Supplier Comment:

Elevation:  
 Elevrc:  
 Zone: 18  
 East83: 458710.80  
 North83: 5032892.00  
 Org CS:  
 UTMRC: 5  
 UTMRC Desc: margin of error : 100 m - 300 m  
 Location Method: p5

**Overburden and Bedrock  
 Materials Interval**

Formation ID: 930991283

| <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>Layer:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Color:</b>                                       |                          |                                    |                          |             |           |
| <b>General Color:</b>                               |                          |                                    |                          |             |           |
| <b>Mat1:</b>  |                          | 15                                 |                          |             |           |
| <b>Most Common Material:</b>                        |                          | LIMESTONE                          |                          |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |
| <b>Mat2 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                         |                          | 0.0                                |                          |             |           |
| <b>Formation End Depth:</b>                         |                          | 56.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                      |                          | 961501226                          |                          |             |           |
| <b>Method Construction Code:</b>                    |                          | 7                                  |                          |             |           |
| <b>Method Construction:</b>                         |                          | Diamond                            |                          |             |           |
| <b>Other Method Construction:</b>                   |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                      |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>                                     |                          | 10571839                           |                          |             |           |
| <b>Casing No:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                                     |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                    |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930039432                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 10.0                               |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 2.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                            |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930039433                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 2                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 56.0                               |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 2.0                                |                          |             |           |
| <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>                                |                          | 991501226                          |                          |             |           |
| <b>Pump Set At:</b>                                 |                          |                                    |                          |             |           |
| <b>Static Level:</b>                                |                          | 10.0                               |                          |             |           |
| <b>Final Level After Pumping:</b>                   |                          | 20.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>                      |                          | 20.0                               |                          |             |           |
| <b>Pumping Rate:</b>                                |                          | 8.0                                |                          |             |           |
| <b>Flowing Rate:</b>                                |                          |                                    |                          |             |           |

| Map Key                             | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|-------------------------------------|-------------------|----------------------------|------------------|------|----|
| <b>Recommended Pump Rate:</b>       |                   | 6.0                        |                  |      |    |
| <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>        |                   | 30                         |                  |      |    |
| <b>Flowing:</b>                     |                   | No                         |                  |      |    |

Water Details

**Water ID:** 933453919  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 56.0  
**Water Found Depth UOM:** ft

Links

|                           |            |                    |                   |
|---------------------------|------------|--------------------|-------------------|
| <b>Bore Hole ID:</b>      | 10023269   | <b>Tag No:</b>     |                   |
| <b>Depth M:</b>           | 17.0688    | <b>Contractor:</b> | 1504              |
| <b>Year Completed:</b>    | 1965       | <b>Path:</b>       | 150\1501226.pdf   |
| <b>Well Completed Dt:</b> | 1965/07/28 | <b>Latitude:</b>   | 45.4483325122916  |
| <b>Audit No:</b>          |            | <b>Longitude:</b>  | -75.5280069772123 |

|                           |        |          |             |                   |      |
|---------------------------|--------|----------|-------------|-------------------|------|
| <a href="#"><u>29</u></a> | 1 of 1 | SW/119.0 | 88.9 / 0.00 | lot 6 con 3<br>ON | WWIS |
|---------------------------|--------|----------|-------------|-------------------|------|

|                            |                     |                           |                      |
|----------------------------|---------------------|---------------------------|----------------------|
| <b>Well ID:</b>            | 1501434             | <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>     | 15-Aug-1961 00:00:00 |
| <b>Water Type:</b>         |                     | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>    |                     | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>           |                     | <b>Contractor:</b>        | 1504                 |
| <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>               | 006                  |
| <b>Depth to Bedrock:</b>   |                     | <b>Concession:</b>        | 03                   |
| <b>Well Depth:</b>         |                     | <b>Concession Name:</b>   | OF                   |
| <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>       | GLOUCESTER TOWNSHIP |                           |                      |
| <b>Site Info:</b>          |                     |                           |                      |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501434.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501434.pdf)

Additional Detail(s) (Map)

**Well Completed Date:** 1961/06/15  
**Year Completed:** 1961  
**Depth (m):** 12.4968  
**Latitude:** 45.4463546914635  
**Longitude:** -75.52747702184  
**Path:** 150\1501434.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>                            | 10023477                 |  |                      | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                                   |                          |  |                      | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>                          |                          |  |                      | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                                 |                          |  |                      | <b>East83:</b>          | 458750.80                       |
| <b>Code OB Desc:</b>                            |                          |  |                      | <b>North83:</b>         | 5032672.00                      |
| <b>Open Hole:</b>                               |                          |  |                      | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                            |                          |  |                      | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>                          | 15-Jun-1961 00:00:00     |  |                      | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                                 |                          |  |                      | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>                         |                          | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>                            | 930991820                |  |                      |                         |                                 |
| <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>                     | 5.0                      |  |                      |                         |                                 |
| <b>Formation End Depth:</b>                     | 41.0                     |  |                      |                         |                                 |
| <b>Formation End Depth UOM:</b>                 | ft                       |  |                      |                         |                                 |
| <b><u>Overburden and Bedrock</u></b>            |                          |  |                      |                         |                                 |
| <b><u>Materials Interval</u></b>                |                          |  |                      |                         |                                 |
| <b>Formation ID:</b>                            | 930991819                |  |                      |                         |                                 |
| <b>Layer:</b>                                   | 1                        |  |                      |                         |                                 |
| <b>Color:</b>                                   |                          |  |                      |                         |                                 |
| <b>General Color:</b>                           |                          |  |                      |                         |                                 |
| <b>Mat1:</b>                                    | 13                       |  |                      |                         |                                 |
| <b>Most Common Material:</b>                    | BOULDERS                 |  |                      |                         |                                 |
| <b>Mat2:</b>                                    | 11                       |  |                      |                         |                                 |
| <b>Mat2 Desc:</b>                               | GRAVEL                   |  |                      |                         |                                 |
| <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>Method of Construction &amp; Well</u></b> |                          |  |                      |                         |                                 |
| <b><u>Use</u></b>                               |                          |  |                      |                         |                                 |
| <b>Method Construction ID:</b>                  | 961501434                |  |                      |                         |                                 |
| <b>Method Construction Code:</b>                | 7                        |  |                      |                         |                                 |
| <b>Method Construction:</b>                     | Diamond                  |  |                      |                         |                                 |
| <b>Other Method Construction:</b>               |                          |  |                      |                         |                                 |
| <b><u>Pipe Information</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> |
|----------------|--------------------------|--------------------------------|----------------------|-------------|-----------|
|----------------|--------------------------|--------------------------------|----------------------|-------------|-----------|

**Pipe ID:** 10572047  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930039835  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 7.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930039836  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 41.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991501434  
**Pump Set At:**  
**Static Level:** 3.0  
**Final Level After Pumping:** 20.0  
**Recommended Pump Depth:** 20.0  
**Pumping Rate:** 10.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 10.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Water Details**

**Water ID:** 933454141  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 41.0  
**Water Found Depth UOM:** ft

**Links**

**Bore Hole ID:** 10023477 **Tag No:**

| Map Key  | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site   | DB   |
|--|-------------------|----------------------------|------------------|--|------|
| <b>Depth M:</b> 12.4968<br><b>Year Completed:</b> 1961<br><b>Well Completed Dt:</b> 1961/06/15<br><b>Audit No:</b>   |                   |                            |                  | <b>Contractor:</b> 1504<br><b>Path:</b> 150\1501434.pdf<br><b>Latitude:</b> 45.4463546914635<br><b>Longitude:</b> -75.52747702184  |      |
| <a href="#">30</a>   | 1 of 2            | WSW/122.1                  | 89.9 / 1.00      | 3443 Innes Rd<br>Ottawa ON K1C1T1  | EHS  |
| <b>Order No:</b> 20170527002<br><b>Status:</b> C<br><b>Report Type:</b> Standard Report<br><b>Report Date:</b> 02-JUN-17<br><b>Date Received:</b> 27-MAY-17<br><b>Previous Site Name:</b> Assumed residential<br><b>Lot/Building Size:</b> 0.43 acres<br><b>Additional Info Ordered:</b> Fire Insur. Maps and/or Site Plans  |                   |                            |                  | <b>Nearest Intersection:</b><br><b>Municipality:</b> City of Ottawa<br><b>Client Prov/State:</b> ON<br><b>Search Radius (km):</b> .25<br><b>X:</b> -75.527916<br><b>Y:</b> 45.446813   |      |
| <a href="#">30</a>   | 2 of 2            | WSW/122.1                  | 89.9 / 1.00      | 3443 Innes Rd.<br>Ottawa ON K1C 1T1  | SPL  |
| <b>Ref No:</b> 7036-BB2NGM<br><b>Site No:</b> NA<br><b>Incident Dt:</b> 4/8/2019<br><b>Year:</b><br><b>Incident Cause:</b><br><b>Incident Event:</b> Leak/Break<br><b>Contaminant Code:</b> 13<br><b>Contaminant Name:</b> HYDROCARBON LIGHT<br><b>Contaminant Limit 1:</b><br><b>Contam Limit Freq 1:</b> n/a<br><b>Contaminant UN No 1:</b> n/a<br><b>Environment Impact:</b><br><b>Nature of Impact:</b><br><b>Receiving Medium:</b><br><b>Receiving Env:</b> Land; Source Water Zone<br><b>MOE Response:</b> No<br><b>Dt MOE Arvl on Scn:</b><br><b>MOE Reported Dt:</b> 4/8/2019<br><b>Dt Document Closed:</b><br><b>Incident Reason:</b> Other<br><b>Site Name:</b> residential<UNOFFICIAL><br><b>Site County/District:</b><br><b>Site Geo Ref Meth:</b><br><b>Incident Summary:</b> oil or gas from property to road & cb<br><b>Contaminant Qty:</b> 0 other - see incident description |                   |                            |                  | <b>Discharger Report:</b><br><b>Material Group:</b><br><b>Health/Env Conseq:</b> 0 - No Impact<br><b>Client Type:</b><br><b>Sector Type:</b> Other<br><b>Agency Involved:</b><br><b>Nearest Watercourse:</b><br><b>Site Address:</b> 3443 Innes Rd.<br><b>Site District Office:</b> Ottawa<br><b>Site Postal Code:</b> K1C 1T1<br><b>Site Region:</b> Eastern<br><b>Site Municipality:</b> Ottawa<br><b>Site Lot:</b><br><b>Site Conc:</b><br><b>Northing:</b> 5032638.51<br><b>Easting:</b> 458630.55<br><b>Site Geo Ref Accu:</b><br><b>Site Map Datum:</b> NAD83<br><b>SAC Action Class:</b> Land Spills<br><b>Source Type:</b> Other |      |
| <a href="#">31</a>   | 1 of 1            | SW/126.9                   | 88.9 / 0.00      | 2310 Page Road<br>Ottawa ON  | EHS  |
| <b>Order No:</b> 20080102012<br><b>Status:</b> C<br><b>Report Type:</b> Complete Report<br><b>Report Date:</b> 1/10/2008<br><b>Date Received:</b> 1/2/2008<br><b>Previous Site Name:</b><br><b>Lot/Building Size:</b> 28.84m x 61m<br><b>Additional Info Ordered:</b>  |                   |                            |                  | <b>Nearest Intersection:</b> Innes Road and Page Road<br><b>Municipality:</b> Ottawa<br><b>Client Prov/State:</b> ON<br><b>Search Radius (km):</b> 0.25<br><b>X:</b> -75.527407<br><b>Y:</b> 45.446266   |      |
| <a href="#">32</a>   | 1 of 1            | ENE/129.0                  | 88.9 / 0.00      | lot 5 con 2<br>ON  | WWIS |



| Map Key                     | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                      | DB                   |
|-----------------------------|-------------------|----------------------------|------------------|---------------------------|----------------------|
| <b>Well ID:</b>             | 1501215           |                            |                  | <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>     | 01-Feb-1960 00:00:00 |
| <b>Water Type:</b>          |                   |                            |                  | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>     |                   |                            |                  | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>            |                   |                            |                  | <b>Contractor:</b>        | 2311                 |
| <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>               | 005                  |
| <b>Depth to Bedrock:</b>    |                   |                            |                  | <b>Concession:</b>        | 02                   |
| <b>Well Depth:</b>          |                   |                            |                  | <b>Concession Name:</b>   | OF                   |
| <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>        |                   | GLOUCESTER TOWNSHIP        |                  |                           |                      |
| <b>Site Info:</b>           |                   |                            |                  |                           |                      |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501215.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501215.pdf)

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

**Well Completed Date:** 1960/01/26  
**Year Completed:** 1960  
**Depth (m):** 21.6408  
**Latitude:** 45.4482169283977  
**Longitude:** -75.5237858602683  
**Path:** 150\1501215.pdf

**Bore Hole Information**

|                                     |  |                         |                                 |
|-------------------------------------|--|-------------------------|---------------------------------|
| <b>Bore Hole ID:</b>                | 10023258   | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                       |  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>              |  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                     |  | <b>East83:</b>          | 459040.80                       |
| <b>Code OB Desc:</b>                |  | <b>North83:</b>         | 5032877.00                      |
| <b>Open Hole:</b>                   |  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                |  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>              | 26-Jan-1960 00:00:00   | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                     |  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>             | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>            |  |                         |                                 |

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930991262  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 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> |
|---|--------------------------|--------------------------------|----------------------|-------------|-----------|
| <b>Mat3:</b>  |                          |                                |                      |             |           |
| <b>Mat3 Desc:</b>                                   |                          |                                |                      |             |           |
| <b>Formation Top Depth:</b>                         |                          | 0.0                            |                      |             |           |
| <b>Formation End Depth:</b>                         |                          | 71.0                           |                      |             |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft                             |                      |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |                                |                      |             |           |
| <b>Method Construction ID:</b>                      |                          | 961501215                      |                      |             |           |
| <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>                                     |                          | 10571828                       |                      |             |           |
| <b>Casing No:</b>                                   |                          | 1                              |                      |             |           |
| <b>Comment:</b>                                     |                          |                                |                      |             |           |
| <b>Alt Name:</b>                                    |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                   |                          | 930039409                      |                      |             |           |
| <b>Layer:</b>                                       |                          | 1                              |                      |             |           |
| <b>Material:</b>                                    |                          | 1                              |                      |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                          |                      |             |           |
| <b>Depth From:</b>                                  |                          |                                |                      |             |           |
| <b>Depth To:</b>                                    |                          | 10.0                           |                      |             |           |
| <b>Casing Diameter:</b>                             |                          | 4.0                            |                      |             |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch                           |                      |             |           |
| <b>Casing Depth UOM:</b>                            |                          | ft                             |                      |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                   |                          | 930039410                      |                      |             |           |
| <b>Layer:</b>                                       |                          | 2                              |                      |             |           |
| <b>Material:</b>                                    |                          | 4                              |                      |             |           |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE                      |                      |             |           |
| <b>Depth From:</b>                                  |                          |                                |                      |             |           |
| <b>Depth To:</b>                                    |                          | 71.0                           |                      |             |           |
| <b>Casing Diameter:</b>                             |                          | 4.0                            |                      |             |           |
| <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>                                |                          | 991501215                      |                      |             |           |
| <b>Pump Set At:</b>                                 |                          |                                |                      |             |           |
| <b>Static Level:</b>                                |                          | 11.0                           |                      |             |           |
| <b>Final Level After Pumping:</b>                   |                          | 15.0                           |                      |             |           |
| <b>Recommended Pump Depth:</b>                      |                          | 15.0                           |                      |             |           |
| <b>Pumping Rate:</b>                                |                          | 6.0                            |                      |             |           |
| <b>Flowing Rate:</b>                                |                          |                                |                      |             |           |
| <b>Recommended Pump Rate:</b>                       |                          | 5.0                            |                      |             |           |
| <b>Levels UOM:</b>                                  |                          | ft                             |                      |             |           |
| <b>Rate UOM:</b>                                    |                          | GPM                            |                      |             |           |
| <b>Water State After Test Code:</b>                 |                          | 1                              |                      |             |           |
| <b>Water State After Test:</b>                      |                          | CLEAR                          |                      |             |           |
| <b>Pumping Test Method:</b>                         |                          | 1                              |                      |             |           |
| <b>Pumping Duration HR:</b>                         |                          | 1                              |                      |             |           |

| Map Key                       | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site               | DB                |
|-------------------------------|-------------------|----------------------------|------------------|--------------------|-------------------|
| <b>Pumping Duration MIN:</b>  |                   | 0                          |                  |                    |                   |
| <b>Flowing:</b>               |                   | No                         |                  |                    |                   |
| <b><u>Water Details</u></b>   |                   |                            |                  |                    |                   |
| <b>Water ID:</b>              |                   | 933453908                  |                  |                    |                   |
| <b>Layer:</b>                 |                   | 1                          |                  |                    |                   |
| <b>Kind Code:</b>             |                   | 1                          |                  |                    |                   |
| <b>Kind:</b>                  |                   | FRESH                      |                  |                    |                   |
| <b>Water Found Depth:</b>     |                   | 64.0                       |                  |                    |                   |
| <b>Water Found Depth UOM:</b> |                   | ft                         |                  |                    |                   |
| <b><u>Links</u></b>           |                   |                            |                  |                    |                   |
| <b>Bore Hole ID:</b>          |                   | 10023258                   |                  | <b>Tag No:</b>     |                   |
| <b>Depth M:</b>               |                   | 21.6408                    |                  | <b>Contractor:</b> | 2311              |
| <b>Year Completed:</b>        |                   | 1960                       |                  | <b>Path:</b>       | 150\1501215.pdf   |
| <b>Well Completed Dt:</b>     |                   | 1960/01/26                 |                  | <b>Latitude:</b>   | 45.4482169283977  |
| <b>Audit No:</b>              |                   |                            |                  | <b>Longitude:</b>  | -75.5237858602683 |

|                                    |               |   |                    |   |               |
|------------------------------------|---------------|---|--------------------|---|---------------|
| <b><u>33</u></b>                   | <b>1 of 1</b> | <b>SE/140.0</b>   | <b>88.9 / 0.00</b> | <b>GIBSON PATTERSON<br/>270 LAMARCHE AVENUE, OTTAWA, ON K1C<br/>1T1<br/>Ottawa ON</b> | <b>RSC</b>    |
| <b>RSC ID:</b>                     |               | 226597  |                    | <b>Cert Date:</b>   |               |
| <b>RA No:</b>                      |               |   |                    | <b>Cert Prop Use No:</b>  |               |
| <b>RSC Type:</b>                   |               | Phase 1 RSC   |                    | <b>Intended Prop Use:</b>   | Residential   |
| <b>Curr Property Use:</b>          |               | Commercial  |                    | <b>Qual Person Name:</b>  | TIM ROBERTSON |
| <b>Ministry District:</b>          |               | Ottawa District Office  |                    | <b>Stratified (Y/N):</b>  |               |
| <b>Filing Date:</b>                |               | 2020/04/20  |                    | <b>Audit (Y/N):</b>   |               |
| <b>Date Ack:</b>                   |               |   |                    | <b>Entire Leg Prop. (Y/N):</b>  |               |
| <b>Date Returned:</b>              |               |   |                    | <b>Accuracy Estimate:</b>   |               |
| <b>Restoration Type:</b>           |               |   |                    | <b>Telephone:</b>   |               |
| <b>Soil Type:</b>                  |               |   |                    | <b>Fax:</b>   |               |
| <b>Criteria:</b>                   |               |   |                    | <b>Email:</b>   |               |
| <b>CPU Issued Sect<br/>1686:</b>   |               |   |                    |   |               |
| <b>Asmt Roll No:</b>               |               | 0614600205029010000   |                    |   |               |
| <b>Prop ID No (PIN):</b>           |               | 04404-1856 (LT),<br>04404-1857 (LT)   |                    |   |               |
| <b>Property Municipal Address:</b> |               | 240 LAMARCHE AVENUE, OTTAWA, ON K1C 1T1, 270 LAMARCHE AVENUE, OTTAWA, ON K1C 1T1  |                    |   |               |
| <b>Mailing Address:</b>            |               |   |                    |   |               |
| <b>Latitude &amp; Longitude:</b>   |               |   |                    |   |               |
| <b>UTM Coordinates:</b>            |               |   |                    |   |               |
| <b>Consultant:</b>                 |               |   |                    |   |               |
| <b>Legal Desc:</b>                 |               |   |                    |   |               |
| <b>Measurement Method:</b>         |               |   |                    |   |               |
| <b>Applicable Standards:</b>       |               |   |                    |   |               |
| <b>RSC PDF:</b>                    |               | <a href="https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=125242&amp;fileName=BROWNFIELDS-E.pdf">https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=125242&amp;fileName=BROWNFIELDS-E.pdf</a> |                    |   |               |

**Document(s) Detail**

|                          |   |
|--------------------------|---|
| <b>Document Heading:</b> | Supporting Documents  |
| <b>Document Name:</b>    | RSC Letter Blks 149-150 - 7 Feb 2020 - signed.pdf   |
| <b>Document Type:</b>    | Lawyer's letter consisting of a legal description of the property   |
| <b>Document Link:</b>    | <a href="https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=125237&amp;fileName=RSC+Letter+Blks+149-150+-+7+Feb+2020+-+signed.pdf">https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=125237&amp;fileName=RSC+Letter+Blks+149-150+-+7+Feb+2020+-+signed.pdf</a> |
| <b>Document Heading:</b> | Supporting Documents  |
| <b>Document Name:</b>    | Phase One ESA CSM 240 and 270 Lamarche.pdf  |
| <b>Document Type:</b>    | Phase 1 Conceptual Site Model   |

| Map Key                  | Number of Records | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site | DB |
|--------------------------|-------------------|---|------------------|------|----|
| <b>Document Link:</b>    |                   | https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=125238&fileName=Phase+One+ESA+CSM+240+and+270+Lamarche.pdf  |                  |      |    |
| <b>Document Heading:</b> |                   | Supporting Documents  |                  |      |    |
| <b>Document Name:</b>    |                   | Current and Past Use Table - 240 and 270.pdf  |                  |      |    |
| <b>Document Type:</b>    |                   | Table of Current and Past Property Use  |                  |      |    |
| <b>Document Link:</b>    |                   | https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=125239&fileName=Current+and+Past+Use+Table++240+and+270.pdf |                  |      |    |
| <b>Document Heading:</b> |                   | Supporting Documents  |                  |      |    |
| <b>Document Name:</b>    |                   | 04404-combined.pdf  |                  |      |    |
| <b>Document Type:</b>    |                   | Copy of any deed(s), transfer(s) or other document(s)   |                  |      |    |
| <b>Document Link:</b>    |                   | https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=125241&fileName=04404-combined.pdf                          |                  |      |    |
| <b>Document Heading:</b> |                   | Supporting Documents  |                  |      |    |
| <b>Document Name:</b>    |                   | Survey.pdf  |                  |      |    |
| <b>Document Type:</b>    |                   | A Current plan of Survey  |                  |      |    |
| <b>Document Link:</b>    |                   | https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=127241&fileName=Survey.pdf                                  |                  |      |    |

| <a href="#">34</a>          | 1 of 1  | ENE/140.2 | 88.9 / 0.00 | lot 5 con 2<br>ON         | WWIS                 |
|-----------------------------|---|-----------|-------------|---------------------------|----------------------|
| <b>Well ID:</b>             | 1501216   |           |             | <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>     | 03-Mar-1960 00:00:00 |
| <b>Water Type:</b>          |   |           |             | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>     |   |           |             | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>            |   |           |             | <b>Contractor:</b>        | 2311                 |
| <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>               | 005                  |
| <b>Depth to Bedrock:</b>    |   |           |             | <b>Concession:</b>        | 02                   |
| <b>Well Depth:</b>          |   |           |             | <b>Concession Name:</b>   | OF                   |
| <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>        | GLOUCESTER TOWNSHIP   |           |             |                           |                      |
| <b>Site Info:</b>           |   |           |             |                           |                      |
| <b>PDF URL (Map):</b>       | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501216.pdf |           |             |                           |                      |

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

|                             |                   |
|-----------------------------|-------------------|
| <b>Well Completed Date:</b> | 1960/02/05        |
| <b>Year Completed:</b>      | 1960              |
| <b>Depth (m):</b>           | 19.812            |
| <b>Latitude:</b>            | 45.4482625189157  |
| <b>Longitude:</b>           | -75.5236584021742 |
| <b>Path:</b>                | 150\1501216.pdf   |

**Bore Hole Information**

|                        |          |                   |            |
|------------------------|----------|-------------------|------------|
| <b>Bore Hole ID:</b>   | 10023259 | <b>Elevation:</b> |            |
| <b>DP2BR:</b>          |          | <b>Elevrc:</b>    |            |
| <b>Spatial Status:</b> |          | <b>Zone:</b>      | 18         |
| <b>Code OB:</b>        |          | <b>East83:</b>    | 459050.80  |
| <b>Code OB Desc:</b>   |          | <b>North83:</b>   | 5032882.00 |
| <b>Open Hole:</b>      |          | <b>Org CS:</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>Cluster Kind:</b>                                |                          |  |                          | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>                              | 05-Feb-1960              | 00:00:00   |                          | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                                     |                          |  |                          | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>                             |                          | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>                                |                          | 930991263  |                          |                         |                                 |
| <b>Layer:</b>                                       |                          | 1  |                          |                         |                                 |
| <b>Color:</b>                                       |                          |  |                          |                         |                                 |
| <b>General Color:</b>                               |                          |  |                          |                         |                                 |
| <b>Mat1:</b>  |                          | 15   |                          |                         |                                 |
| <b>Most Common Material:</b>                        |                          | LIMESTONE  |                          |                         |                                 |
| <b>Mat2:</b>  |                          |  |                          |                         |                                 |
| <b>Mat2 Desc:</b>                                   |                          |  |                          |                         |                                 |
| <b>Mat3:</b>  |                          |  |                          |                         |                                 |
| <b>Mat3 Desc:</b>                                   |                          |  |                          |                         |                                 |
| <b>Formation Top Depth:</b>                         |                          | 0.0  |                          |                         |                                 |
| <b>Formation End Depth:</b>                         |                          | 65.0   |                          |                         |                                 |
| <b>Formation End Depth UOM:</b>                     |                          | ft   |                          |                         |                                 |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |  |                          |                         |                                 |
| <b>Method Construction ID:</b>                      |                          | 961501216  |                          |                         |                                 |
| <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>                                     |                          | 10571829   |                          |                         |                                 |
| <b>Casing No:</b>                                   |                          | 1  |                          |                         |                                 |
| <b>Comment:</b>                                     |                          |  |                          |                         |                                 |
| <b>Alt Name:</b>                                    |                          |  |                          |                         |                                 |
| <b><u>Construction Record - Casing</u></b>          |                          |  |                          |                         |                                 |
| <b>Casing ID:</b>                                   |                          | 930039411  |                          |                         |                                 |
| <b>Layer:</b>                                       |                          | 1  |                          |                         |                                 |
| <b>Material:</b>                                    |                          | 1  |                          |                         |                                 |
| <b>Open Hole or Material:</b>                       |                          | STEEL  |                          |                         |                                 |
| <b>Depth From:</b>                                  |                          |  |                          |                         |                                 |
| <b>Depth To:</b>                                    |                          | 13.0   |                          |                         |                                 |
| <b>Casing Diameter:</b>                             |                          | 4.0  |                          |                         |                                 |
| <b>Casing Diameter UOM:</b>                         |                          | inch   |                          |                         |                                 |
| <b>Casing Depth UOM:</b>                            |                          | ft   |                          |                         |                                 |
| <b><u>Construction Record - Casing</u></b>          |                          |  |                          |                         |                                 |
| <b>Casing ID:</b>                                   |                          | 930039412  |                          |                         |                                 |
| <b>Layer:</b>                                       |                          | 2  |                          |                         |                                 |
| <b>Material:</b>                                    |                          | 4  |                          |                         |                                 |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE  |                          |                         |                                 |
| <b>Depth From:</b>                                  |                          |  |                          |                         |                                 |

| Map Key              | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|----------------------|-------------------|----------------------------|------------------|------|----|
| Depth To:            |                   | 65.0                       |                  |      |    |
| Casing Diameter:     |                   | 4.0                        |                  |      |    |
| Casing Diameter UOM: |                   | inch                       |                  |      |    |
| Casing Depth UOM:    |                   | ft                         |                  |      |    |

**Results of Well Yield Testing**

|                              |           |
|------------------------------|-----------|
| Pumping Test Method Desc:    | PUMP      |
| Pump Test ID:                | 991501216 |
| Pump Set At:                 |           |
| Static Level:                | 6.0       |
| Final Level After Pumping:   | 20.0      |
| Recommended Pump Depth:      | 15.0      |
| Pumping Rate:                | 5.0       |
| Flowing Rate:                |           |
| Recommended Pump Rate:       | 3.0       |
| Levels UOM:                  | ft        |
| Rate UOM:                    | GPM       |
| Water State After Test Code: | 1         |
| Water State After Test:      | CLEAR     |
| Pumping Test Method:         | 1         |
| Pumping Duration HR:         | 1         |
| Pumping Duration MIN:        | 0         |
| Flowing:                     | No        |

**Water Details**

|                        |           |
|------------------------|-----------|
| Water ID:              | 933453909 |
| Layer:                 | 1         |
| Kind Code:             | 1         |
| Kind:                  | FRESH     |
| Water Found Depth:     | 52.0      |
| Water Found Depth UOM: | ft        |

**Links**

|                    |            |             |                   |
|--------------------|------------|-------------|-------------------|
| Bore Hole ID:      | 10023259   | Tag No:     |                   |
| Depth M:           | 19.812     | Contractor: | 2311              |
| Year Completed:    | 1960       | Path:       | 1501501216.pdf    |
| Well Completed Dt: | 1960/02/05 | Latitude:   | 45.4482625189157  |
| Audit No:          |            | Longitude:  | -75.5236584021742 |

| <a href="#">35</a>  | 1 of 1       | SW/140.4           | 90.0 / 1.08          | lot 6 con 3<br>ON | WWIS |
|---------------------|--------------|--------------------|----------------------|-------------------|------|
| Well ID:            | 1501435      | Flowing (Y/N):     |                      |                   |      |
| Construction Date:  |              | Flow Rate:         |                      |                   |      |
| Use 1st:            | Domestic     | Data Entry Status: |                      |                   |      |
| Use 2nd:            | 0            | Data Src:          | 1                    |                   |      |
| Final Well Status:  | Water Supply | Date Received:     | 15-Aug-1961 00:00:00 |                   |      |
| Water Type:         |              | Selected Flag:     | TRUE                 |                   |      |
| Casing Material:    |              | Abandonment Rec:   |                      |                   |      |
| Audit No:           |              | Contractor:        | 1504                 |                   |      |
| Tag:                |              | Form Version:      | 1                    |                   |      |
| Constructn Method:  |              | Owner:             |                      |                   |      |
| Elevation (m):      |              | County:            | OTTAWA-CARLETON      |                   |      |
| Elevatn Reliabilty: |              | Lot:               | 006                  |                   |      |
| Depth to Bedrock:   |              | Concession:        | 03                   |                   |      |
| Well Depth:         |              | Concession Name:   | OF                   |                   |      |
| Overburden/Bedrock: |              | Easting NAD83:     |                      |                   |      |
| Pump Rate:          |              | Northing NAD83:    |                      |                   |      |
| Static Water Level: |              | Zone:              |                      |                   |      |

| Map Key                                  | Number of Records    | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site                    | DB                              |
|--|----------------------|---|------------------|-------------------------|---------------------------------|
| <b>Clear/Cloudy:</b>                     |                      |   |                  | <b>UTM Reliability:</b> |                                 |
| <b>Municipality:</b>                     |                      | GLOUCESTER TOWNSHIP   |                  |                         |                                 |
| <b>Site Info:</b>                        |                      |   |                  |                         |                                 |
| <b>PDF URL (Map):</b>                    |                      | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501435.pdf |                  |                         |                                 |
| <b><u>Additional Detail(s) (Map)</u></b> |                      |   |                  |                         |                                 |
| <b>Well Completed Date:</b>              |                      | 1961/06/16  |                  |                         |                                 |
| <b>Year Completed:</b>                   |                      | 1961  |                  |                         |                                 |
| <b>Depth (m):</b>                        |                      | 13.716  |                  |                         |                                 |
| <b>Latitude:</b>                         |                      | 45.4462184976077  |                  |                         |                                 |
| <b>Longitude:</b>                        |                      | -75.5277315033808   |                  |                         |                                 |
| <b>Path:</b>                             |                      | 150\1501435.pdf   |                  |                         |                                 |
| <b><u>Bore Hole Information</u></b>      |                      |   |                  |                         |                                 |
| <b>Bore Hole ID:</b>                     | 10023478             |   |                  | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                            |                      |   |                  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>                   |                      |   |                  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                          |                      |   |                  | <b>East83:</b>          | 458730.80                       |
| <b>Code OB Desc:</b>                     |                      |   |                  | <b>North83:</b>         | 5032657.00                      |
| <b>Open Hole:</b>                        |                      |   |                  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                     |                      |   |                  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>                   | 16-Jun-1961 00:00:00 |   |                  | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                          |                      |   |                  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>                  |                      | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>                     | 930991822            |   |                  |                         |                                 |
| <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>              | 5.0                  |   |                  |                         |                                 |
| <b>Formation End Depth:</b>              | 45.0                 |   |                  |                         |                                 |
| <b>Formation End Depth UOM:</b>          | ft                   |   |                  |                         |                                 |
| <b><u>Overburden and Bedrock</u></b>     |                      |   |                  |                         |                                 |
| <b><u>Materials Interval</u></b>         |                      |   |                  |                         |                                 |
| <b>Formation ID:</b>                     | 930991821            |   |                  |                         |                                 |
| <b>Layer:</b>                            | 1                    |   |                  |                         |                                 |
| <b>Color:</b>                            |                      |   |                  |                         |                                 |
| <b>General Color:</b>                    |                      |   |                  |                         |                                 |
| <b>Mat1:</b>                             | 13                   |   |                  |                         |                                 |
| <b>Most Common Material:</b>             | BOULDERS             |   |                  |                         |                                 |
| <b>Mat2:</b>                             | 11                   |   |                  |                         |                                 |
| <b>Mat2 Desc:</b>                        | GRAVEL               |   |                  |                         |                                 |

| <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>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>Method of Construction &amp; Well Use</u></b> |                          |                                |                      |             |           |
| <b>Method Construction ID:</b>                      |                          | 961501435                      |                      |             |           |
| <b>Method Construction Code:</b>                    |                          | 7                              |                      |             |           |
| <b>Method Construction:</b>                         |                          | Diamond                        |                      |             |           |
| <b>Other Method Construction:</b>                   |                          |                                |                      |             |           |
| <b><u>Pipe Information</u></b>                      |                          |                                |                      |             |           |
| <b>Pipe ID:</b>                                     |                          | 10572048                       |                      |             |           |
| <b>Casing No:</b>                                   |                          | 1                              |                      |             |           |
| <b>Comment:</b>                                     |                          |                                |                      |             |           |
| <b>Alt Name:</b>                                    |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                   |                          | 930039838                      |                      |             |           |
| <b>Layer:</b>                                       |                          | 2                              |                      |             |           |
| <b>Material:</b>                                    |                          | 4                              |                      |             |           |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE                      |                      |             |           |
| <b>Depth From:</b>                                  |                          |                                |                      |             |           |
| <b>Depth To:</b>                                    |                          | 45.0                           |                      |             |           |
| <b>Casing Diameter:</b>                             |                          | 2.0                            |                      |             |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch                           |                      |             |           |
| <b>Casing Depth UOM:</b>                            |                          | ft                             |                      |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                   |                          | 930039837                      |                      |             |           |
| <b>Layer:</b>                                       |                          | 1                              |                      |             |           |
| <b>Material:</b>                                    |                          | 1                              |                      |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                          |                      |             |           |
| <b>Depth From:</b>                                  |                          |                                |                      |             |           |
| <b>Depth To:</b>                                    |                          | 7.0                            |                      |             |           |
| <b>Casing Diameter:</b>                             |                          | 2.0                            |                      |             |           |
| <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>                                |                          | 991501435                      |                      |             |           |
| <b>Pump Set At:</b>                                 |                          |                                |                      |             |           |
| <b>Static Level:</b>                                |                          | 3.0                            |                      |             |           |
| <b>Final Level After Pumping:</b>                   |                          | 20.0                           |                      |             |           |
| <b>Recommended Pump Depth:</b>                      |                          | 20.0                           |                      |             |           |
| <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>                 |                          | 1                              |                      |             |           |
| <b>Water State After Test:</b>                      |                          | CLEAR                          |                      |             |           |
| <b>Pumping Test Method:</b>                         |                          | 1                              |                      |             |           |
| <b>Pumping Duration HR:</b>                         |                          | 1                              |                      |             |           |



| Map Key                         | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site   | DB                   |
|---------------------------------|-------------------|----------------------------|------------------|--|----------------------|
| <b>Pumping Duration MIN:</b>    |                   | 0                          |                  |  |                      |
| <b>Flowing:</b>                 |                   | No                         |                  |  |                      |
| <b><u>Water Details</u></b>     |                   |                            |                  |  |                      |
| <b>Water ID:</b>                |                   | 933454142                  |                  |  |                      |
| <b>Layer:</b>                   |                   | 1                          |                  |  |                      |
| <b>Kind Code:</b>               |                   | 1                          |                  |  |                      |
| <b>Kind:</b>                    |                   | FRESH                      |                  |  |                      |
| <b>Water Found Depth:</b>       |                   | 45.0                       |                  |  |                      |
| <b>Water Found Depth UOM:</b>   |                   | ft                         |                  |  |                      |
| <b><u>Links</u></b>             |                   |                            |                  |  |                      |
| <b>Bore Hole ID:</b>            |                   | 10023478                   |                  | <b>Tag No:</b>                                 |                      |
| <b>Depth M:</b>                 |                   | 13.716                     |                  | <b>Contractor:</b>                             | 1504                 |
| <b>Year Completed:</b>          |                   | 1961                       |                  | <b>Path:</b>                                   | 150\1501435.pdf      |
| <b>Well Completed Dt:</b>       |                   | 1961/06/16                 |                  | <b>Latitude:</b>                               | 45.4462184976077     |
| <b>Audit No:</b>                |                   |                            |                  | <b>Longitude:</b>                              | -75.5277315033808    |
| <a href="#">36</a>              | 1 of 2            | WSW/144.7                  | 89.9 / 1.00      | PE4248 - 3437 Innes Road<br>Orléans ON K1C 7M6 | EHS                  |
| <b>Order No:</b>                |                   | 21050300166                |                  | <b>Nearest Intersection:</b>                   |                      |
| <b>Status:</b>                  |                   | C                          |                  | <b>Municipality:</b>                           |                      |
| <b>Report Type:</b>             |                   | Standard Report            |                  | <b>Client Prov/State:</b>                      | ON                   |
| <b>Report Date:</b>             |                   | 06-MAY-21                  |                  | <b>Search Radius (km):</b>                     | .25                  |
| <b>Date Received:</b>           |                   | 03-MAY-21                  |                  | <b>X:</b>                                      | -75.5283237          |
| <b>Previous Site Name:</b>      |                   |                            |                  | <b>Y:</b>                                      | 45.4464643           |
| <b>Lot/Building Size:</b>       |                   |                            |                  |  |                      |
| <b>Additional Info Ordered:</b> |                   |                            |                  |  |                      |
| <a href="#">36</a>              | 2 of 2            | WSW/144.7                  | 89.9 / 1.00      | PE4248 - 3437 Innes Road<br>Orléans ON K1C 7M6 | EHS                  |
| <b>Order No:</b>                |                   | 21050300166                |                  | <b>Nearest Intersection:</b>                   |                      |
| <b>Status:</b>                  |                   | C                          |                  | <b>Municipality:</b>                           |                      |
| <b>Report Type:</b>             |                   | Standard Report            |                  | <b>Client Prov/State:</b>                      | ON                   |
| <b>Report Date:</b>             |                   | 06-MAY-21                  |                  | <b>Search Radius (km):</b>                     | .25                  |
| <b>Date Received:</b>           |                   | 03-MAY-21                  |                  | <b>X:</b>                                      | -75.5283237          |
| <b>Previous Site Name:</b>      |                   |                            |                  | <b>Y:</b>                                      | 45.4464643           |
| <b>Lot/Building Size:</b>       |                   |                            |                  |  |                      |
| <b>Additional Info Ordered:</b> |                   |                            |                  |  |                      |
| <a href="#">37</a>              | 1 of 1            | ENE/153.8                  | 88.9 / 0.00      | lot 5 con 2<br>ON                              | WWIS                 |
| <b>Well ID:</b>                 |                   | 1501200                    |                  | <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>                          | 16-Aug-1958 00:00:00 |
| <b>Water Type:</b>              |                   |                            |                  | <b>Selected Flag:</b>                          | TRUE                 |
| <b>Casing Material:</b>         |                   |                            |                  | <b>Abandonment Rec:</b>                        |                      |
| <b>Audit No:</b>                |                   |                            |                  | <b>Contractor:</b>                             | 2311                 |
| <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>                                    | 005                  |
| <b>Depth to Bedrock:</b>        |                   |                            |                  | <b>Concession:</b>                             | 02                   |

| Map Key   | Number of Records | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site  | DB  |
|---|-------------------|---|------------------|---|---|
| Well Depth:<br>Overburden/Bedrock:<br>Pump Rate:<br>Static Water Level:<br>Clear/Cloudy:<br>Municipality:<br>Site Info:   |                   | GLOUCESTER TOWNSHIP   |                  | Concession Name: OF<br>Easting NAD83:<br>Northing NAD83:<br>Zone:<br>UTM Reliability:                         |   |
| PDF URL (Map):  |                   | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501200.pdf |                  |   |   |
| <b><u>Additional Detail(s) (Map)</u></b>  |                   |   |                  |   |   |
| Well Completed Date:<br>Year Completed:<br>Depth (m):<br>Latitude:<br>Longitude:<br>Path:   |                   | 1958/07/05<br>1958<br>24.384<br>45.4483531134975<br>-75.5235313602097<br>150\1501200.pdf      |                  |   |   |
| <b><u>Bore Hole Information</u></b>   |                   |   |                  |   |   |
| Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB:<br>Code OB Desc:<br>Open Hole:<br>Cluster Kind:<br>Date Completed:<br>Remarks:<br>Loc Method Desc:<br>Elevrc Desc:<br>Location Source Date:<br>Improvement Location Source:<br>Improvement Location Method:<br>Source Revision Comment:<br>Supplier Comment: | 10023243          |   |                  | Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc:<br>Location Method: | 18<br>459060.80<br>5032892.00<br>9<br>unknown UTM<br>p9 |
| <b><u>Overburden and Bedrock</u></b>  |                   |   |                  |   |   |
| <b><u>Materials Interval</u></b>  |                   |   |                  |   |   |
| Formation ID:<br>Layer:<br>Color:<br>General Color:<br>Mat1:<br>Most Common Material:<br>Mat2:<br>Mat2 Desc:<br>Mat3:<br>Mat3 Desc:<br>Formation Top Depth:<br>Formation End Depth:<br>Formation End Depth UOM:   | 930991225<br>2    |   |                  |   |   |
| Formation ID:<br>Layer:<br>Color:<br>General Color:   | 930991224<br>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>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>Formation End Depth UOM:</b>                         |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                                    |                          | 930991226                          |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Color:</b>   |                          |                                    |                          |             |           |
| <b>General Color:</b>                                   |                          |                                    |                          |             |           |
| <b>Mat1:</b>  |                          | 15                                 |                          |             |           |
| <b>Most Common Material:</b>                            |                          | LIMESTONE                          |                          |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |
| <b>Mat2 Desc:</b>                                       |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                                       |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                             |                          | 9.0                                |                          |             |           |
| <b>Formation End Depth:</b>                             |                          | 80.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                         |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                          |                          | 961501200                          |                          |             |           |
| <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>   |                          | 10571813                           |                          |             |           |
| <b>Casing No:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Comment:</b>   |                          |                                    |                          |             |           |
| <b>Alt Name:</b>  |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>              |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                       |                          | 930039378                          |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Material:</b>  |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>                           |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                                      |                          |                                    |                          |             |           |
| <b>Depth To:</b>  |                          | 10.0                               |                          |             |           |
| <b>Casing Diameter:</b>                                 |                          | 4.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                             |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                                |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>              |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                       |                          | 930039379                          |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Material:</b>  |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                           |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                                      |                          |                                    |                          |             |           |
| <b>Depth To:</b>  |                          | 80.0                               |                          |             |           |

| Map Key              | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|----------------------|-------------------|----------------------------|------------------|------|----|
| Casing Diameter:     |                   | 4.0                        |                  |      |    |
| Casing Diameter UOM: |                   | inch                       |                  |      |    |
| Casing Depth UOM:    |                   | ft                         |                  |      |    |

**Results of Well Yield Testing**

|                              |           |
|------------------------------|-----------|
| Pumping Test Method Desc:    | PUMP      |
| Pump Test ID:                | 991501200 |
| Pump Set At:                 |           |
| Static Level:                | 7.0       |
| Final Level After Pumping:   | 15.0      |
| Recommended Pump Depth:      |           |
| Pumping Rate:                | 4.0       |
| Flowing Rate:                |           |
| Recommended Pump Rate:       |           |
| Levels UOM:                  | ft        |
| Rate UOM:                    | GPM       |
| Water State After Test Code: | 1         |
| Water State After Test:      | CLEAR     |
| Pumping Test Method:         | 1         |
| Pumping Duration HR:         | 1         |
| Pumping Duration MIN:        | 0         |
| Flowing:                     | No        |

**Water Details**

|                        |           |
|------------------------|-----------|
| Water ID:              | 933453894 |
| Layer:                 | 1         |
| Kind Code:             | 1         |
| Kind:                  | FRESH     |
| Water Found Depth:     | 70.0      |
| Water Found Depth UOM: | ft        |

**Links**

|                    |            |             |                   |
|--------------------|------------|-------------|-------------------|
| Bore Hole ID:      | 10023243   | Tag No:     |                   |
| Depth M:           | 24.384     | Contractor: | 2311              |
| Year Completed:    | 1958       | Path:       | 150\1501200.pdf   |
| Well Completed Dt: | 1958/07/05 | Latitude:   | 45.4483531134975  |
| Audit No:          |            | Longitude:  | -75.5235313602097 |

| <a href="#">38</a>  | 1 of 1         | ENE/153.8          | 88.9 / 0.00    | ON | BORE |
|---------------------|----------------|--------------------|----------------|----|------|
| Borehole ID:        | 615241         | Inclin FLG:        | No             |    |      |
| OGF ID:             | 215516183      | SP Status:         | Initial Entry  |    |      |
| Status:             |                | Surv Elev:         | No             |    |      |
| Type:               | Borehole       | Piezometer:        | No             |    |      |
| Use:                |                | Primary Name:      |                |    |      |
| Completion Date:    | JUL-1958       | Municipality:      |                |    |      |
| Static Water Level: | 10.2           | Lot:               |                |    |      |
| Primary Water Use:  |                | Township:          |                |    |      |
| Sec. Water Use:     |                | Latitude DD:       | 45.448355      |    |      |
| Total Depth m:      | 24.4           | Longitude DD:      | -75.523532     |    |      |
| Depth Ref:          | Ground Surface | UTM Zone:          | 18             |    |      |
| Depth Elev:         |                | Easting:           | 459061         |    |      |
| Drill Method:       |                | Northing:          | 5032892        |    |      |
| Orig Ground Elev m: | 91.4           | Location Accuracy: |                |    |      |
| Elev Reliabil Note: |                | Accuracy:          | Not Applicable |    |      |
| DEM Ground Elev m:  | 91.7           |                    |                |    |      |
| Concession:         |                |                    |                |    |      |
| Location D:         |                |                    |                |    |      |

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

Survey D:  
Comments:

**Borehole Geology Stratum**

|                                  |   |                            |  |
|----------------------------------|---|----------------------------|--|
| <b>Geology Stratum ID:</b>       | 218400904   | <b>Mat Consistency:</b>    |  |
| <b>Top Depth:</b>                | 2.7   | <b>Material Moisture:</b>  |  |
| <b>Bottom Depth:</b>             | 24.4  | <b>Material Texture:</b>   |  |
| <b>Material Color:</b>           |   | <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. 00070TE. 00100EY,SOUND,STRATIFIED. 00000037ROCK. BEDROCK. WATER STABLE **Note: Many records provided by the department have a truncated [Stratum Description] field. |                            |  |

|                                  |           |                            |  |
|----------------------------------|-----------|----------------------------|--|
| <b>Geology Stratum ID:</b>       | 218400902 | <b>Mat Consistency:</b>    |  |
| <b>Top Depth:</b>                | 0         | <b>Material Moisture:</b>  |  |
| <b>Bottom Depth:</b>             | 1.8       | <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>       | 218400903 | <b>Mat Consistency:</b>    |  |
| <b>Top Depth:</b>                | 1.8       | <b>Material Moisture:</b>  |  |
| <b>Bottom Depth:</b>             | 2.7       | <b>Material Texture:</b>   |  |
| <b>Material Color:</b>           |           | <b>Non Geo Mat Type:</b>   |  |
| <b>Material 1:</b>               | Gravel    | <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>      | GRAVEL.   |                            |  |

**Source**

|                        |  |                      |                        |
|------------------------|--|----------------------|------------------------|
| <b>Source Type:</b>    | Data Survey  | <b>Source Appl:</b>  | Spatial/Tabular        |
| <b>Source Orig:</b>    | Geological Survey of Canada                        | <b>Source Iden:</b>  | 1                      |
| <b>Source Date:</b>    | 1956-1972  | <b>Scale or Res:</b> | Varies                 |
| <b>Confidence:</b>     |  | <b>Horizontal:</b>   | NAD27                  |
| <b>Observatio:</b>     |  | <b>Verticalda:</b>   | Mean Average Sea Level |
| <b>Source Name:</b>    | Urban Geology Automated Information System (UGAIS) |                      |                        |
| <b>Source Details:</b> | File: OTTAWA2.txt RecordID: 07749 NTS_Sheet:       |                      |                        |
| <b>Confiden 1:</b>     |  |                      |                        |

**Source List**

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

|                    |        |          |             |                   |      |
|--------------------|--------|----------|-------------|-------------------|------|
| <a href="#">39</a> | 1 of 1 | NW/159.8 | 88.9 / 0.00 | lot 5 con 2<br>ON | WWIS |
|--------------------|--------|----------|-------------|-------------------|------|

| Map Key                    | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                      | DB                   |
|----------------------------|-------------------|----------------------------|------------------|---------------------------|----------------------|
| <b>Well ID:</b>            | 1509635           |                            |                  | <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>     | 27-May-1968 00:00:00 |
| <b>Water Type:</b>         |                   |                            |                  | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>    |                   |                            |                  | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>           |                   |                            |                  | <b>Contractor:</b>        | 1504                 |
| <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>               | 005                  |
| <b>Depth to Bedrock:</b>   |                   |                            |                  | <b>Concession:</b>        | 02                   |
| <b>Well Depth:</b>         |                   |                            |                  | <b>Concession Name:</b>   | OF                   |
| <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>       |                   | GLOUCESTER TOWNSHIP        |                  |                           |                      |
| <b>Site Info:</b>          |                   |                            |                  |                           |                      |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1509635.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509635.pdf)

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

**Well Completed Date:** 1968/02/07  
**Year Completed:** 1968  
**Depth (m):** 19.2024  
**Latitude:** 45.4488737443009  
**Longitude:** -75.527756264173  
**Path:** 150\1509635.pdf

**Bore Hole Information**

|                                     |   |                         |                                |
|-------------------------------------|---|-------------------------|--------------------------------|
| <b>Bore Hole ID:</b>                | 10031667  | <b>Elevation:</b>       |                                |
| <b>DP2BR:</b>                       |   | <b>Elevrc:</b>          |                                |
| <b>Spatial Status:</b>              |   | <b>Zone:</b>            | 18                             |
| <b>Code OB:</b>                     |   | <b>East83:</b>          | 458730.80                      |
| <b>Code OB Desc:</b>                |   | <b>North83:</b>         | 5032952.00                     |
| <b>Open Hole:</b>                   |   | <b>Org CS:</b>          |                                |
| <b>Cluster Kind:</b>                |   | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>              | 07-Feb-1968 00:00:00  | <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>            |   |                         |                                |

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931012630  
**Layer:** 1  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**

| <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>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<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          |                                    | 931012631                |             |           |
| <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>                                 |                          |                                    | 10.0                     |             |           |
| <b>Formation End Depth:</b>                                 |                          |                                    | 63.0                     |             |           |
| <b>Formation End Depth UOM:</b>                             |                          |                                    | ft                       |             |           |
| <b><u>Method of Construction &amp; Well<br/>Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                              |                          |                                    | 961509635                |             |           |
| <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>   |                          |                                    | 10580237                 |             |           |
| <b>Casing No:</b>   |                          |                                    | 1                        |             |           |
| <b>Comment:</b>   |                          |                                    |                          |             |           |
| <b>Alt Name:</b>  |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>                  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>   |                          |                                    | 930055975                |             |           |
| <b>Layer:</b>   |                          |                                    | 2                        |             |           |
| <b>Material:</b>  |                          |                                    | 4                        |             |           |
| <b>Open Hole or Material:</b>                               |                          |                                    | OPEN HOLE                |             |           |
| <b>Depth From:</b>  |                          |                                    |                          |             |           |
| <b>Depth To:</b>  |                          |                                    | 63.0                     |             |           |
| <b>Casing Diameter:</b>                                     |                          |                                    | 2.0                      |             |           |
| <b>Casing Diameter UOM:</b>                                 |                          |                                    | inch                     |             |           |
| <b>Casing Depth UOM:</b>                                    |                          |                                    | ft                       |             |           |
| <b><u>Construction Record - Casing</u></b>                  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>   |                          |                                    | 930055974                |             |           |
| <b>Layer:</b>   |                          |                                    | 1                        |             |           |
| <b>Material:</b>  |                          |                                    | 1                        |             |           |
| <b>Open Hole or Material:</b>                               |                          |                                    | STEEL                    |             |           |
| <b>Depth From:</b>  |                          |                                    |                          |             |           |
| <b>Depth To:</b>  |                          |                                    | 20.0                     |             |           |
| <b>Casing Diameter:</b>                                     |                          |                                    | 2.0                      |             |           |
| <b>Casing Diameter UOM:</b>                                 |                          |                                    | inch                     |             |           |
| <b>Casing Depth UOM:</b>                                    |                          |                                    | ft                       |             |           |

| Map Key                              | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m)   | Site                      | DB                   |
|--------------------------------------|---|----------------------------|--------------------|---------------------------|----------------------|
| <b>Results of Well Yield Testing</b> |   |                            |                    |                           |                      |
| <b>Pumping Test Method Desc:</b>     |   | PUMP                       |                    |                           |                      |
| <b>Pump Test ID:</b>                 |   | 991509635                  |                    |                           |                      |
| <b>Pump Set At:</b>                  |   |                            |                    |                           |                      |
| <b>Static Level:</b>                 |   | 2.0                        |                    |                           |                      |
| <b>Final Level After Pumping:</b>    |   | 20.0                       |                    |                           |                      |
| <b>Recommended Pump Depth:</b>       |   | 20.0                       |                    |                           |                      |
| <b>Pumping Rate:</b>                 |   | 10.0                       |                    |                           |                      |
| <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>  |   | 1                          |                    |                           |                      |
| <b>Water State After Test:</b>       |   | CLEAR                      |                    |                           |                      |
| <b>Pumping Test Method:</b>          |   | 1                          |                    |                           |                      |
| <b>Pumping Duration HR:</b>          |   | 2                          |                    |                           |                      |
| <b>Pumping Duration MIN:</b>         |   | 0                          |                    |                           |                      |
| <b>Flowing:</b>                      |   | No                         |                    |                           |                      |
| <b>Water Details</b>                 |   |                            |                    |                           |                      |
| <b>Water ID:</b>                     |   | 933464521                  |                    |                           |                      |
| <b>Layer:</b>                        |   | 1                          |                    |                           |                      |
| <b>Kind Code:</b>                    |   | 1                          |                    |                           |                      |
| <b>Kind:</b>                         |   | FRESH                      |                    |                           |                      |
| <b>Water Found Depth:</b>            |   | 63.0                       |                    |                           |                      |
| <b>Water Found Depth UOM:</b>        |   | ft                         |                    |                           |                      |
| <b>Links</b>                         |   |                            |                    |                           |                      |
| <b>Bore Hole ID:</b>                 | 10031667  |                            |                    | <b>Tag No:</b>            |                      |
| <b>Depth M:</b>                      | 19.2024   |                            |                    | <b>Contractor:</b>        | 1504                 |
| <b>Year Completed:</b>               | 1968  |                            |                    | <b>Path:</b>              | 150\1509635.pdf      |
| <b>Well Completed Dt:</b>            | 1968/02/07  |                            |                    | <b>Latitude:</b>          | 45.4488737443009     |
| <b>Audit No:</b>                     |   |                            |                    | <b>Longitude:</b>         | -75.527756264173     |
| <b>40</b>                            | <b>1 of 1</b>   | <b>WNW/160.0</b>           | <b>89.9 / 1.00</b> | <b>lot 5 con 2<br/>ON</b> | <b>WWIS</b>          |
| <b>Well ID:</b>                      | 1501228   |                            |                    | <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>     | 18-Sep-1967 00:00:00 |
| <b>Water Type:</b>                   |   |                            |                    | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>              |   |                            |                    | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>                     |   |                            |                    | <b>Contractor:</b>        | 1504                 |
| <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>               | 005                  |
| <b>Depth to Bedrock:</b>             |   |                            |                    | <b>Concession:</b>        | 02                   |
| <b>Well Depth:</b>                   |   |                            |                    | <b>Concession Name:</b>   | OF                   |
| <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>                 | GLOUCESTER TOWNSHIP   |                            |                    |                           |                      |
| <b>Site Info:</b>                    |   |                            |                    |                           |                      |
| <b>PDF URL (Map):</b>                | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501228.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501228.pdf</a> |                            |                    |                           |                      |



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

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

**Well Completed Date:** 1967/07/20  
**Year Completed:** 1967  
**Depth (m):** 18.288  
**Latitude:** 45.4486916588264  
**Longitude:** -75.5282021496745  
**Path:** 150\1501228.pdf

**Bore Hole Information**

|                                     |  |                         |                                 |
|-------------------------------------|--|-------------------------|---------------------------------|
| <b>Bore Hole ID:</b>                | 10023271   | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                       |  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>              |  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                     |  | <b>East83:</b>          | 458695.80                       |
| <b>Code OB Desc:</b>                |  | <b>North83:</b>         | 5032932.00                      |
| <b>Open Hole:</b>                   |  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                |  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>              | 20-Jul-1967 00:00:00   | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                     |  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>             | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>            |  |                         |                                 |

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 930991286  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 13  
**Most Common Material:** BOULDERS  
**Mat2:** 09  
**Mat2 Desc:** MEDIUM SAND  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 2.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 930991287  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 2.0  
**Formation End Depth:** 60.0  
**Formation End Depth UOM:** 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>                      |                          | 961501228                      |                      |             |           |
| <b>Method Construction Code:</b>                    |                          | 7                              |                      |             |           |
| <b>Method Construction:</b>                         |                          | Diamond                        |                      |             |           |
| <b>Other Method Construction:</b>                   |                          |                                |                      |             |           |
| <b><u>Pipe Information</u></b>                      |                          |                                |                      |             |           |
| <b>Pipe ID:</b>                                     |                          | 10571841                       |                      |             |           |
| <b>Casing No:</b>                                   |                          | 1                              |                      |             |           |
| <b>Comment:</b>                                     |                          |                                |                      |             |           |
| <b>Alt Name:</b>                                    |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                   |                          | 930039436                      |                      |             |           |
| <b>Layer:</b>                                       |                          | 1                              |                      |             |           |
| <b>Material:</b>                                    |                          | 1                              |                      |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                          |                      |             |           |
| <b>Depth From:</b>                                  |                          |                                |                      |             |           |
| <b>Depth To:</b>                                    |                          | 12.0                           |                      |             |           |
| <b>Casing Diameter:</b>                             |                          | 2.0                            |                      |             |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch                           |                      |             |           |
| <b>Casing Depth UOM:</b>                            |                          | ft                             |                      |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                   |                          | 930039437                      |                      |             |           |
| <b>Layer:</b>                                       |                          | 2                              |                      |             |           |
| <b>Material:</b>                                    |                          | 4                              |                      |             |           |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE                      |                      |             |           |
| <b>Depth From:</b>                                  |                          |                                |                      |             |           |
| <b>Depth To:</b>                                    |                          | 60.0                           |                      |             |           |
| <b>Casing Diameter:</b>                             |                          | 2.0                            |                      |             |           |
| <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>                                |                          | 991501228                      |                      |             |           |
| <b>Pump Set At:</b>                                 |                          |                                |                      |             |           |
| <b>Static Level:</b>                                |                          | 9.0                            |                      |             |           |
| <b>Final Level After Pumping:</b>                   |                          | 20.0                           |                      |             |           |
| <b>Recommended Pump Depth:</b>                      |                          | 25.0                           |                      |             |           |
| <b>Pumping Rate:</b>                                |                          | 10.0                           |                      |             |           |
| <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>                 |                          | 1                              |                      |             |           |
| <b>Water State After Test:</b>                      |                          | CLEAR                          |                      |             |           |
| <b>Pumping Test Method:</b>                         |                          | 1                              |                      |             |           |
| <b>Pumping Duration HR:</b>                         |                          | 2                              |                      |             |           |
| <b>Pumping Duration MIN:</b>                        |                          | 0                              |                      |             |           |
| <b>Flowing:</b>                                     |                          | No                             |                      |             |           |
| <b><u>Water Details</u></b>                         |                          |                                |                      |             |           |
| <b>Water ID:</b>                                    |                          | 933453922                      |                      |             |           |

| Map Key                | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site        | DB                |
|------------------------|-------------------|----------------------------|------------------|-------------|-------------------|
| Layer:                 |                   | 1                          |                  |             |                   |
| Kind Code:             |                   | 1                          |                  |             |                   |
| Kind:                  |                   | FRESH                      |                  |             |                   |
| Water Found Depth:     |                   | 60.0                       |                  |             |                   |
| Water Found Depth UOM: |                   | ft                         |                  |             |                   |
| <b>Links</b>           |                   |                            |                  |             |                   |
| Bore Hole ID:          | 10023271          |                            |                  | Tag No:     |                   |
| Depth M:               | 18.288            |                            |                  | Contractor: | 1504              |
| Year Completed:        | 1967              |                            |                  | Path:       | 150\1501228.pdf   |
| Well Completed Dt:     | 1967/07/20        |                            |                  | Latitude:   | 45.4486916588264  |
| Audit No:              |                   |                            |                  | Longitude:  | -75.5282021496745 |

| <a href="#">41</a>  | 1 of 1         | NW/160.0 | 88.9 / 0.00 | ON                 | BORE           |
|---------------------|----------------|----------|-------------|--------------------|----------------|
| Borehole ID:        | 615246         |          |             | Inclin FLG:        | No             |
| OGF ID:             | 215516188      |          |             | SP Status:         | Initial Entry  |
| Status:             |                |          |             | Surv Elev:         | No             |
| Type:               | Borehole       |          |             | Piezometer:        | No             |
| Use:                |                |          |             | Primary Name:      |                |
| Completion Date:    | FEB-1968       |          |             | Municipality:      |                |
| Static Water Level: | 1.3            |          |             | Lot:               |                |
| Primary Water Use:  |                |          |             | Township:          |                |
| Sec. Water Use:     |                |          |             | Latitude DD:       | 45.448876      |
| Total Depth m:      | 19.2           |          |             | Longitude DD:      | -75.527757     |
| Depth Ref:          | Ground Surface |          |             | UTM Zone:          | 18             |
| Depth Elev:         |                |          |             | Easting:           | 458731         |
| Drill Method:       |                |          |             | Northing:          | 5032952        |
| Orig Ground Elev m: | 91.4           |          |             | Location Accuracy: |                |
| Elev Reliabil Note: |                |          |             | Accuracy:          | Not Applicable |
| DEM Ground Elev m:  | 91.4           |          |             |                    |                |
| Concession:         |                |          |             |                    |                |
| Location D:         |                |          |             |                    |                |
| Survey D:           |                |          |             |                    |                |
| Comments:           |                |          |             |                    |                |

**Borehole Geology Stratum**

|                           |   |  |  |                     |         |
|---------------------------|---|--|--|---------------------|---------|
| Geology Stratum ID:       | 218400914   |  |  | Mat Consistency:    |         |
| Top Depth:                | 0   |  |  | Material Moisture:  |         |
| Bottom Depth:             | 3   |  |  | Material Texture:   |         |
| Material Color:           | Blue  |  |  | Non Geo Mat Type:   |         |
| Material 1:               | Clay  |  |  | Geologic Formation: |         |
| Material 2:               |   |  |  | Geologic Group:     |         |
| Material 3:               |   |  |  | Geologic Period:    |         |
| Material 4:               |   |  |  | Depositional Gen:   |         |
| Gsc Material Description: |   |  |  |                     |         |
| Stratum Description:      | CLAY. BLUE.   |  |  |                     |         |
| Geology Stratum ID:       | 218400915   |  |  | Mat Consistency:    | Compact |
| Top Depth:                | 3   |  |  | Material Moisture:  |         |
| Bottom Depth:             | 19.2  |  |  | Material Texture:   |         |
| Material Color:           | Grey  |  |  | 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. GREY. 0006300139, WATER STABLE AT 295.8 FEET.GRAVEL. COMPACT. ROCK. WATER STA      |  |  |                     |         |
|                           | **Note: Many records provided by the department have a truncated [Stratum Description] field. |  |  |                     |         |

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

**Source**

**Source Type:** Data Survey  
**Source Orig:** Geological Survey of Canada  
**Source Date:** 1956-1972  
**Confidence:**  
**Observatio:**  
**Source Name:** Urban Geology Automated Information System (UGAIS)  
**Source Details:** File: OTTAWA2.txt RecordID: 07754 NTS\_Sheet:  
**Confiden 1:**

**Source Appl:** Spatial/Tabular  
**Source Iden:** 1  
**Scale or Res:** Varies  
**Horizontal:** NAD27  
**Verticalda:** Mean Average Sea Level

**Source List**

**Source Identifier:** 1  
**Source Type:** Data Survey  
**Source Date:** 1956-1972  
**Scale or Resolution:** Varies  
**Source Name:** Urban Geology Automated Information System (UGAIS)  
**Source Originators:** Geological Survey of Canada

**Horizontal Datum:** NAD27  
**Vertical Datum:** Mean Average Sea Level  
**Projection Name:** Universal Transverse Mercator

[42](#)    1 of 1    **S/163.0**    **88.9 / 0.00**    **2305 Page Rd  
Ottawa ON K1W 1H3**    **EHS**

**Order No:** 20121221030  
**Status:** C  
**Report Type:** Standard Report  
**Report Date:** 07-JAN-13  
**Date Received:** 21-DEC-12  
**Previous Site Name:** single family dwelling  
possible garden centre  
**Lot/Building Size:** 0.89 hectare  
**Additional Info Ordered:**

**Nearest Intersection:**  
**Municipality:** Ottawa Gloucester Ward  
**Client Prov/State:** ON  
**Search Radius (km):** .25  
**X:** -75.526105  
**Y:** 45.445734

[43](#)    1 of 1    **ENE/165.4**    **88.9 / 0.00**    **lot 5 con 2  
ON**    **WWIS**

**Well ID:** 1501201  
**Construction Date:**  
**Use 1st:** Domestic  
**Use 2nd:** 0  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:**  
**Tag:**  
**Constructn Method:**  
**Elevation (m):**  
**Elevatn Reliabilty:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Clear/Cloudy:**  
**Municipality:** GLOUCESTER TOWNSHIP  
**Site Info:**

**Flowing (Y/N):**  
**Flow Rate:**  
**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 16-Aug-1958 00:00:00  
**Selected Flag:** TRUE  
**Abandonment Rec:**  
**Contractor:** 2311  
**Form Version:** 1  
**Owner:**  
**County:** OTTAWA-CARLETON  
**Lot:** 005  
**Concession:** 02  
**Concession Name:** OF  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501201.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501201.pdf)

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

| <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>Well Completed Date:</b> |                          | 1958/08/02                         |                          |             |           |
| <b>Year Completed:</b>      |                          | 1958                               |                          |             |           |
| <b>Depth (m):</b>           |                          | 21.336                             |                          |             |           |
| <b>Latitude:</b>            |                          | 45.4484884191456                   |                          |             |           |
| <b>Longitude:</b>           |                          | -75.5234686716499                  |                          |             |           |
| <b>Path:</b>                |                          | 150\1501201.pdf                    |                          |             |           |

**Bore Hole Information**

|                                     |  |                         |             |
|-------------------------------------|--|-------------------------|-------------|
| <b>Bore Hole ID:</b>                | 10023244                                     | <b>Elevation:</b>       |             |
| <b>DP2BR:</b>                       |  | <b>Elevrc:</b>          |             |
| <b>Spatial Status:</b>              |  | <b>Zone:</b>            | 18          |
| <b>Code OB:</b>                     |  | <b>East83:</b>          | 459065.80   |
| <b>Code OB Desc:</b>                |  | <b>North83:</b>         | 5032907.00  |
| <b>Open Hole:</b>                   |  | <b>Org CS:</b>          |             |
| <b>Cluster Kind:</b>                |  | <b>UTMRC:</b>           | 9           |
| <b>Date Completed:</b>              | 02-Aug-1958 00:00:00                         | <b>UTMRC Desc:</b>      | unknown UTM |
| <b>Remarks:</b>                     |  | <b>Location Method:</b> | p9          |
| <b>Loc Method Desc:</b>             | Original Pre1985 UTM Rel Code 9: unknown UTM |                         |             |
| <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>            | 930991227 |
| <b>Layer:</b>                   | 1         |
| <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>     | 0.0       |
| <b>Formation End Depth:</b>     | 6.0       |
| <b>Formation End Depth UOM:</b> | ft        |

**Overburden and Bedrock**

**Materials Interval**

|                                 |           |
|---------------------------------|-----------|
| <b>Formation ID:</b>            | 930991228 |
| <b>Layer:</b>                   | 2         |
| <b>Color:</b>                   |           |
| <b>General Color:</b>           |           |
| <b>Mat1:</b>                    | 15        |
| <b>Most Common Material:</b>    | LIMESTONE |
| <b>Mat2:</b>                    |           |
| <b>Mat2 Desc:</b>               |           |
| <b>Mat3:</b>                    |           |
| <b>Mat3 Desc:</b>               |           |
| <b>Formation Top Depth:</b>     | 6.0       |
| <b>Formation End Depth:</b>     | 70.0      |
| <b>Formation End Depth UOM:</b> | ft        |

**Method of Construction & Well**

**Use**

| <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>              |                          | 961501201                          |                          |             |           |
| <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>                             |                          | 10571814                           |                          |             |           |
| <b>Casing No:</b>                           |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                             |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                            |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930039380                          |                          |             |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Material:</b>                            |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 12.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 4.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930039381                          |                          |             |           |
| <b>Layer:</b>                               |                          | 2                                  |                          |             |           |
| <b>Material:</b>                            |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 70.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 4.0                                |                          |             |           |
| <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>                        |                          | 991501201                          |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          | 13.0                               |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          | 20.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          |                                    |                          |             |           |
| <b>Pumping Rate:</b>                        |                          | 4.0                                |                          |             |           |
| <b>Flowing Rate:</b>                        |                          |                                    |                          |             |           |
| <b>Recommended Pump Rate:</b>               |                          |                                    |                          |             |           |
| <b>Levels UOM:</b>                          |                          | ft                                 |                          |             |           |
| <b>Rate UOM:</b>                            |                          | GPM                                |                          |             |           |
| <b>Water State After Test Code:</b>         |                          | 1                                  |                          |             |           |
| <b>Water State After Test:</b>              |                          | CLEAR                              |                          |             |           |
| <b>Pumping Test Method:</b>                 |                          | 1                                  |                          |             |           |
| <b>Pumping Duration HR:</b>                 |                          | 1                                  |                          |             |           |
| <b>Pumping Duration MIN:</b>                |                          | 0                                  |                          |             |           |
| <b>Flowing:</b>                             |                          | No                                 |                          |             |           |
| <b><u>Water Details</u></b>                 |                          |                                    |                          |             |           |
| <b>Water ID:</b>                            |                          | 933453895                          |                          |             |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Kind Code:</b>                           |                          | 1                                  |                          |             |           |

| Map Key                | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site        | DB                |
|------------------------|-------------------|----------------------------|------------------|-------------|-------------------|
| Kind:                  |                   | FRESH                      |                  |             |                   |
| Water Found Depth:     |                   | 66.0                       |                  |             |                   |
| Water Found Depth UOM: |                   | ft                         |                  |             |                   |
| <b>Links</b>           |                   |                            |                  |             |                   |
| Bore Hole ID:          | 10023244          |                            |                  | Tag No:     |                   |
| Depth M:               | 21.336            |                            |                  | Contractor: | 2311              |
| Year Completed:        | 1958              |                            |                  | Path:       | 150\1501201.pdf   |
| Well Completed Dt:     | 1958/08/02        |                            |                  | Latitude:   | 45.4484884191456  |
| Audit No:              |                   |                            |                  | Longitude:  | -75.5234686716499 |

|                     |                     |           |             |                    |                      |
|---------------------|---------------------|-----------|-------------|--------------------|----------------------|
| <a href="#">44</a>  | 1 of 1              | WSW/166.8 | 89.9 / 1.00 | lot 6 con 2<br>ON  | WWIS                 |
| Well ID:            | 1501238             |           |             | Flowing (Y/N):     |                      |
| Construction Date:  |                     |           |             | Flow Rate:         |                      |
| Use 1st:            | Domestic            |           |             | Data Entry Status: |                      |
| Use 2nd:            | 0                   |           |             | Data Src:          | 1                    |
| Final Well Status:  | Water Supply        |           |             | Date Received:     | 07-Dec-1962 00:00:00 |
| Water Type:         |                     |           |             | Selected Flag:     | TRUE                 |
| Casing Material:    |                     |           |             | Abandonment Rec:   |                      |
| Audit No:           |                     |           |             | Contractor:        | 1504                 |
| Tag:                |                     |           |             | Form Version:      | 1                    |
| Constructn Method:  |                     |           |             | Owner:             |                      |
| Elevation (m):      |                     |           |             | County:            | OTTAWA-CARLETON      |
| Elevatn Reliabilty: |                     |           |             | Lot:               | 006                  |
| Depth to Bedrock:   |                     |           |             | Concession:        | 02                   |
| Well Depth:         |                     |           |             | Concession Name:   | OF                   |
| Overburden/Bedrock: |                     |           |             | Easting NAD83:     |                      |
| Pump Rate:          |                     |           |             | Northing NAD83:    |                      |
| Static Water Level: |                     |           |             | Zone:              |                      |
| Clear/Cloudy:       |                     |           |             | UTM Reliability:   |                      |
| Municipality:       | GLOUCESTER TOWNSHIP |           |             |                    |                      |
| Site Info:          |                     |           |             |                    |                      |

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501238.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501238.pdf)

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

Well Completed Date: 1962/11/03  
Year Completed: 1962  
Depth (m): 8.2296  
Latitude: 45.4468876453361  
Longitude: -75.5290165125367  
Path: 150\1501238.pdf

**Bore Hole Information**

|                              |  |                  |                                 |
|------------------------------|--|------------------|---------------------------------|
| Bore Hole ID:                | 10023281   | Elevation:       |                                 |
| DP2BR:                       |  | Elevrc:          |                                 |
| Spatial Status:              |  | Zone:            | 18                              |
| Code OB:                     |  | East83:          | 458630.80                       |
| Code OB Desc:                |  | North83:         | 5032732.00                      |
| Open Hole:                   |  | Org CS:          |                                 |
| Cluster Kind:                |  | UTMRC:           | 5                               |
| Date Completed:              | 03-Nov-1962 00:00:00   | UTMRC Desc:      | margin of error : 100 m - 300 m |
| Remarks:                     |  | Location Method: | p5                              |
| Loc Method Desc:             | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m |                  |                                 |
| Elevrc Desc:                 |  |                  |                                 |
| Location Source Date:        |  |                  |                                 |
| Improvement Location Source: |  |                  |                                 |

| <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>Improvement Location Method:</b>                     |                          |                                |                      |             |           |
| <b>Source Revision Comment:</b>                         |                          |                                |                      |             |           |
| <b>Supplier Comment:</b>                                |                          |                                |                      |             |           |
| <b><u>Overburden and Bedrock Materials Interval</u></b> |                          |                                |                      |             |           |
| <b>Formation ID:</b>                                    |                          | 930991311                      |                      |             |           |
| <b>Layer:</b>   |                          | 1                              |                      |             |           |
| <b>Color:</b>   |                          |                                |                      |             |           |
| <b>General Color:</b>                                   |                          |                                |                      |             |           |
| <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>                             |                          | 3.0                            |                      |             |           |
| <b>Formation End Depth UOM:</b>                         |                          | ft                             |                      |             |           |
| <b><u>Overburden and Bedrock Materials Interval</u></b> |                          |                                |                      |             |           |
| <b>Formation ID:</b>                                    |                          | 930991312                      |                      |             |           |
| <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>                             |                          | 3.0                            |                      |             |           |
| <b>Formation End Depth:</b>                             |                          | 27.0                           |                      |             |           |
| <b>Formation End Depth UOM:</b>                         |                          | ft                             |                      |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>     |                          |                                |                      |             |           |
| <b>Method Construction ID:</b>                          |                          | 961501238                      |                      |             |           |
| <b>Method Construction Code:</b>                        |                          | 7                              |                      |             |           |
| <b>Method Construction:</b>                             |                          | Diamond                        |                      |             |           |
| <b>Other Method Construction:</b>                       |                          |                                |                      |             |           |
| <b><u>Pipe Information</u></b>                          |                          |                                |                      |             |           |
| <b>Pipe ID:</b>   |                          | 10571851                       |                      |             |           |
| <b>Casing No:</b>                                       |                          | 1                              |                      |             |           |
| <b>Comment:</b>   |                          |                                |                      |             |           |
| <b>Alt Name:</b>  |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>              |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                       |                          | 930039455                      |                      |             |           |
| <b>Layer:</b>   |                          | 2                              |                      |             |           |
| <b>Material:</b>  |                          | 4                              |                      |             |           |
| <b>Open Hole or Material:</b>                           |                          | OPEN HOLE                      |                      |             |           |
| <b>Depth From:</b>                                      |                          |                                |                      |             |           |
| <b>Depth To:</b>  |                          | 27.0                           |                      |             |           |
| <b>Casing Diameter:</b>                                 |                          | 2.0                            |                      |             |           |



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

Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Construction Record - Casing**

Casing ID: 930039454  
Layer: 1  
Material: 1  
Open Hole or Material: STEEL  
Depth From:  
Depth To: 15.0  
Casing Diameter: 2.0  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Results of Well Yield Testing**

Pumping Test Method Desc: PUMP  
Pump Test ID: 991501238  
Pump Set At:  
Static Level: 6.0  
Final Level After Pumping: 20.0  
Recommended Pump Depth: 20.0  
Pumping Rate: 12.0  
Flowing Rate:  
Recommended Pump Rate: 12.0  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code: 1  
Water State After Test: CLEAR  
Pumping Test Method: 1  
Pumping Duration HR: 1  
Pumping Duration MIN: 0  
Flowing: No

**Water Details**

Water ID: 933453936  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 27.0  
Water Found Depth UOM: ft

**Links**

|                               |                              |
|-------------------------------|------------------------------|
| Bore Hole ID: 10023281        | Tag No:                      |
| Depth M: 8.2296               | Contractor: 1504             |
| Year Completed: 1962          | Path: 150\1501238.pdf        |
| Well Completed Dt: 1962/11/03 | Latitude: 45.4468876453361   |
| Audit No:                     | Longitude: -75.5290165125367 |

|                    |        |          |             |                   |      |
|--------------------|--------|----------|-------------|-------------------|------|
| <a href="#">45</a> | 1 of 1 | SW/170.5 | 88.9 / 0.00 | lot 6 con 3<br>ON | WWIS |
|--------------------|--------|----------|-------------|-------------------|------|

|                                 |                                     |
|---------------------------------|-------------------------------------|
| Well ID: 1501436                | Flowing (Y/N):                      |
| Construction Date:              | Flow Rate:                          |
| Use 1st: Domestic               | Data Entry Status:                  |
| Use 2nd: 0                      | Data Src: 1                         |
| Final Well Status: Water Supply | Date Received: 15-Aug-1961 00:00:00 |
| Water Type:                     | Selected Flag: TRUE                 |
| Casing Material:                | Abandonment Rec:                    |

| Map Key                     | Number of Records | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site                    | DB              |
|-----------------------------|-------------------|---|------------------|-------------------------|-----------------|
| <b>Audit No:</b>            |                   |   |                  | <b>Contractor:</b>      | 1504            |
| <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>             | 006             |
| <b>Depth to Bedrock:</b>    |                   |   |                  | <b>Concession:</b>      | 03              |
| <b>Well Depth:</b>          |                   |   |                  | <b>Concession Name:</b> | OF              |
| <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>        |                   | GLOUCESTER TOWNSHIP   |                  |                         |                 |
| <b>Site Info:</b>           |                   |   |                  |                         |                 |
| <b>PDF URL (Map):</b>       |                   | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501436.pdf |                  |                         |                 |

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

**Well Completed Date:** 1961/06/17  
**Year Completed:** 1961  
**Depth (m):** 15.24  
**Latitude:** 45.4460814164288  
**Longitude:** -75.528177788118  
**Path:** 150\1501436.pdf

**Bore Hole Information**

|                                     |  |                         |                                 |
|-------------------------------------|--|-------------------------|---------------------------------|
| <b>Bore Hole ID:</b>                | 10023479   | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                       |  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>              |  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                     |  | <b>East83:</b>          | 458695.80                       |
| <b>Code OB Desc:</b>                |  | <b>North83:</b>         | 5032642.00                      |
| <b>Open Hole:</b>                   |  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                |  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>              | 17-Jun-1961 00:00:00   | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                     |  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>             | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>            |  |                         |                                 |

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930991824  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 5.0  
**Formation End Depth:** 50.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

| <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>                                |                          | 930991823                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Color:</b>                                       |                          |                                    |                          |             |           |
| <b>General Color:</b>                               |                          |                                    |                          |             |           |
| <b>Mat1:</b>  |                          | 13                                 |                          |             |           |
| <b>Most Common Material:</b>                        |                          | BOULDERS                           |                          |             |           |
| <b>Mat2:</b>  |                          | 11                                 |                          |             |           |
| <b>Mat2 Desc:</b>                                   |                          | GRAVEL                             |                          |             |           |
| <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>Method of Construction &amp; Well Use</u></b> |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                      |                          | 961501436                          |                          |             |           |
| <b>Method Construction Code:</b>                    |                          | 7                                  |                          |             |           |
| <b>Method Construction:</b>                         |                          | Diamond                            |                          |             |           |
| <b>Other Method Construction:</b>                   |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                      |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>                                     |                          | 10572049                           |                          |             |           |
| <b>Casing No:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                                     |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                    |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930039840                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 2                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 50.0                               |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 2.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                            |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930039839                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 7.0                                |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 2.0                                |                          |             |           |
| <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>                                |                          | 991501436                          |                          |             |           |
| <b>Pump Set At:</b>                                 |                          |                                    |                          |             |           |
| <b>Static Level:</b>                                |                          | 3.0                                |                          |             |           |
| <b>Final Level After Pumping:</b>                   |                          | 20.0                               |                          |             |           |

| Map Key                             | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|-------------------------------------|-------------------|----------------------------|------------------|------|----|
| <b>Recommended Pump Depth:</b>      |                   | 20.0                       |                  |      |    |
| <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> |                   | 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                         |                  |      |    |

**Water Details**

**Water ID:** 933454143  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 50.0  
**Water Found Depth UOM:** ft

**Links**

|                           |            |                    |                  |
|---------------------------|------------|--------------------|------------------|
| <b>Bore Hole ID:</b>      | 10023479   | <b>Tag No:</b>     |                  |
| <b>Depth M:</b>           | 15.24      | <b>Contractor:</b> | 1504             |
| <b>Year Completed:</b>    | 1961       | <b>Path:</b>       | 150\1501436.pdf  |
| <b>Well Completed Dt:</b> | 1961/06/17 | <b>Latitude:</b>   | 45.4460814164288 |
| <b>Audit No:</b>          |            | <b>Longitude:</b>  | -75.528177788118 |

|                    |        |         |             |                   |      |
|--------------------|--------|---------|-------------|-------------------|------|
| <a href="#">46</a> | 1 of 1 | E/173.6 | 88.9 / 0.00 | lot 5 con 3<br>ON | WWIS |
|--------------------|--------|---------|-------------|-------------------|------|

|                            |   |                           |                      |
|----------------------------|---|---------------------------|----------------------|
| <b>Well ID:</b>            | 1501413   | <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>     | 05-Sep-1962 00:00:00 |
| <b>Water Type:</b>         |   | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>    |   | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>           |   | <b>Contractor:</b>        | 1632                 |
| <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>               | 005                  |
| <b>Depth to Bedrock:</b>   |   | <b>Concession:</b>        | 03                   |
| <b>Well Depth:</b>         |   | <b>Concession Name:</b>   | OF                   |
| <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>       | GLOUCESTER TOWNSHIP   |                           |                      |
| <b>Site Info:</b>          |   |                           |                      |
| <b>PDF URL (Map):</b>      | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501413.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501413.pdf</a> |                           |                      |

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

**Well Completed Date:** 1962/06/15  
**Year Completed:** 1962  
**Depth (m):** 12.192  
**Latitude:** 45.4480851387163

| Map Key   | Number of Records    | Direction/<br>Distance (m)                                       | Elev/Diff<br>(m) | Site             | DB                              |
|---|----------------------|--|------------------|------------------|---------------------------------|
| Longitude:                                      |                      | -75.5230813023785  |                  |                  |                                 |
| Path:   |                      | 150\1501413.pdf  |                  |                  |                                 |
| <b><u>Bore Hole Information</u></b>             |                      |  |                  |                  |                                 |
| Bore Hole ID:                                   | 10023456             |  |                  | Elevation:       |                                 |
| DP2BR:  |                      |  |                  | Elevrc:          |                                 |
| Spatial Status:                                 |                      |  |                  | Zone:            | 18                              |
| Code OB:  |                      |  |                  | East83:          | 459095.80                       |
| Code OB Desc:                                   |                      |  |                  | North83:         | 5032862.00                      |
| Open Hole:                                      |                      |  |                  | Org CS:          |                                 |
| Cluster Kind:                                   |                      |  |                  | UTMRC:           | 5                               |
| Date Completed:                                 | 15-Jun-1962 00:00:00 |  |                  | UTMRC Desc:      | margin of error : 100 m - 300 m |
| Remarks:  |                      |  |                  | Location Method: | p5                              |
| Loc Method Desc:                                |                      | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m |                  |                  |                                 |
| Elevrc Desc:                                    |                      |  |                  |                  |                                 |
| Location Source Date:                           |                      |  |                  |                  |                                 |
| Improvement Location Source:                    |                      |  |                  |                  |                                 |
| Improvement Location Method:                    |                      |  |                  |                  |                                 |
| Source Revision Comment:                        |                      |  |                  |                  |                                 |
| Supplier Comment:                               |                      |  |                  |                  |                                 |
| <b><u>Overburden and Bedrock</u></b>            |                      |  |                  |                  |                                 |
| <b><u>Materials Interval</u></b>                |                      |  |                  |                  |                                 |
| Formation ID:                                   | 930991773            |  |                  |                  |                                 |
| Layer:  | 2                    |  |                  |                  |                                 |
| Color:  |                      |  |                  |                  |                                 |
| General Color:                                  |                      |  |                  |                  |                                 |
| Mat1:   | 15                   |  |                  |                  |                                 |
| Most Common Material:                           | LIMESTONE            |  |                  |                  |                                 |
| Mat2:   |                      |  |                  |                  |                                 |
| Mat2 Desc:                                      |                      |  |                  |                  |                                 |
| Mat3:   |                      |  |                  |                  |                                 |
| Mat3 Desc:                                      |                      |  |                  |                  |                                 |
| Formation Top Depth:                            | 1.0                  |  |                  |                  |                                 |
| Formation End Depth:                            | 40.0                 |  |                  |                  |                                 |
| Formation End Depth UOM:                        | ft                   |  |                  |                  |                                 |
| <b><u>Overburden and Bedrock</u></b>            |                      |  |                  |                  |                                 |
| <b><u>Materials Interval</u></b>                |                      |  |                  |                  |                                 |
| Formation ID:                                   | 930991772            |  |                  |                  |                                 |
| Layer:  | 1                    |  |                  |                  |                                 |
| Color:  |                      |  |                  |                  |                                 |
| General Color:                                  |                      |  |                  |                  |                                 |
| Mat1:   | 02                   |  |                  |                  |                                 |
| Most Common Material:                           | TOPSOIL              |  |                  |                  |                                 |
| Mat2:   |                      |  |                  |                  |                                 |
| Mat2 Desc:                                      |                      |  |                  |                  |                                 |
| Mat3:   |                      |  |                  |                  |                                 |
| Mat3 Desc:                                      |                      |  |                  |                  |                                 |
| Formation Top Depth:                            | 0.0                  |  |                  |                  |                                 |
| Formation End Depth:                            | 1.0                  |  |                  |                  |                                 |
| Formation End Depth UOM:                        | ft                   |  |                  |                  |                                 |
| <b><u>Method of Construction &amp; Well</u></b> |                      |  |                  |                  |                                 |
| <b><u>Use</u></b>                               |                      |  |                  |                  |                                 |
| Method Construction ID:                         | 961501413            |  |                  |                  |                                 |
| Method Construction Code:                       | 1                    |  |                  |                  |                                 |
| Method Construction:                            | Cable Tool           |  |                  |                  |                                 |

| <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>Other Method Construction:</b>           |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>              |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>                             |                          | 10572026                           |                          |             |           |
| <b>Casing No:</b>                           |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                             |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                            |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930039796                          |                          |             |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Material:</b>                            |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 13.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 2.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930039797                          |                          |             |           |
| <b>Layer:</b>                               |                          | 2                                  |                          |             |           |
| <b>Material:</b>                            |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 40.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 2.0                                |                          |             |           |
| <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>                        |                          | 991501413                          |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          | 5.0                                |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          | 30.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          | 35.0                               |                          |             |           |
| <b>Pumping Rate:</b>                        |                          | 3.0                                |                          |             |           |
| <b>Flowing Rate:</b>                        |                          |                                    |                          |             |           |
| <b>Recommended Pump Rate:</b>               |                          | 3.0                                |                          |             |           |
| <b>Levels UOM:</b>                          |                          | ft                                 |                          |             |           |
| <b>Rate UOM:</b>                            |                          | GPM                                |                          |             |           |
| <b>Water State After Test Code:</b>         |                          | 1                                  |                          |             |           |
| <b>Water State After Test:</b>              |                          | CLEAR                              |                          |             |           |
| <b>Pumping Test Method:</b>                 |                          | 1                                  |                          |             |           |
| <b>Pumping Duration HR:</b>                 |                          | 1                                  |                          |             |           |
| <b>Pumping Duration MIN:</b>                |                          | 0                                  |                          |             |           |
| <b>Flowing:</b>                             |                          | No                                 |                          |             |           |
| <b><u>Water Details</u></b>                 |                          |                                    |                          |             |           |
| <b>Water ID:</b>                            |                          | 933454120                          |                          |             |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Kind Code:</b>                           |                          | 1                                  |                          |             |           |
| <b>Kind:</b>                                |                          | FRESH                              |                          |             |           |
| <b>Water Found Depth:</b>                   |                          | 40.0                               |                          |             |           |
| <b>Water Found Depth UOM:</b>               |                          | ft                                 |                          |             |           |

| Map Key                         | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site  | DB                |
|---------------------------------|---|----------------------------|------------------|---|-------------------|
| <b>Links</b>                    |   |                            |                  |   |                   |
| <b>Bore Hole ID:</b>            | 10023456  |                            |                  | <b>Tag No:</b>  |                   |
| <b>Depth M:</b>                 | 12.192  |                            |                  | <b>Contractor:</b>  | 1632              |
| <b>Year Completed:</b>          | 1962  |                            |                  | <b>Path:</b>  | 150\1501413.pdf   |
| <b>Well Completed Dt:</b>       | 1962/06/15  |                            |                  | <b>Latitude:</b>  | 45.4480851387163  |
| <b>Audit No:</b>                |   |                            |                  | <b>Longitude:</b>   | -75.5230813023785 |
| <a href="#">47</a>              | 1 of 1  | E/178.7                    | 88.9 / 0.00      | 3574 Innes Road<br>Orléans ON K1C 1T1                                       | EHS               |
| <b>Order No:</b>                | 20190621312   |                            |                  | <b>Nearest Intersection:</b>  |                   |
| <b>Status:</b>                  | C   |                            |                  | <b>Municipality:</b>  |                   |
| <b>Report Type:</b>             | Standard Report   |                            |                  | <b>Client Prov/State:</b>   | TN                |
| <b>Report Date:</b>             | 28-JUN-19   |                            |                  | <b>Search Radius (km):</b>  | .25               |
| <b>Date Received:</b>           | 21-JUN-19   |                            |                  | <b>X:</b>   | -75.522932        |
| <b>Previous Site Name:</b>      |   |                            |                  | <b>Y:</b>   | 45.447415         |
| <b>Lot/Building Size:</b>       |   |                            |                  |   |                   |
| <b>Additional Info Ordered:</b> | Fire Insur. Maps and/or Site Plans; Title Searches; City Directory; Aerial Photos |                            |                  |   |                   |
| <a href="#">48</a>              | 1 of 2  | WNW/183.4                  | 89.9 / 1.00      | 1813-1835 Loranger Court<br>Ottawa ON K1C                                   | EHS               |
| <b>Order No:</b>                | 21012200611   |                            |                  | <b>Nearest Intersection:</b>  |                   |
| <b>Status:</b>                  | C   |                            |                  | <b>Municipality:</b>  |                   |
| <b>Report Type:</b>             | Standard Report   |                            |                  | <b>Client Prov/State:</b>   | ON                |
| <b>Report Date:</b>             | 27-JAN-21   |                            |                  | <b>Search Radius (km):</b>  | .25               |
| <b>Date Received:</b>           | 22-JAN-21   |                            |                  | <b>X:</b>   | -75.5288705       |
| <b>Previous Site Name:</b>      |   |                            |                  | <b>Y:</b>   | 45.4485462        |
| <b>Lot/Building Size:</b>       |   |                            |                  |   |                   |
| <b>Additional Info Ordered:</b> |   |                            |                  |   |                   |
| <a href="#">48</a>              | 2 of 2  | WNW/183.4                  | 89.9 / 1.00      | 1813-1835 Loranger Court<br>Ottawa ON K1C                                   | EHS               |
| <b>Order No:</b>                | 21012200611   |                            |                  | <b>Nearest Intersection:</b>  |                   |
| <b>Status:</b>                  | C   |                            |                  | <b>Municipality:</b>  |                   |
| <b>Report Type:</b>             | Standard Report   |                            |                  | <b>Client Prov/State:</b>   | ON                |
| <b>Report Date:</b>             | 27-JAN-21   |                            |                  | <b>Search Radius (km):</b>  | .25               |
| <b>Date Received:</b>           | 22-JAN-21   |                            |                  | <b>X:</b>   | -75.5288705       |
| <b>Previous Site Name:</b>      |   |                            |                  | <b>Y:</b>   | 45.4485462        |
| <b>Lot/Building Size:</b>       |   |                            |                  |   |                   |
| <b>Additional Info Ordered:</b> |   |                            |                  |   |                   |
| <a href="#">49</a>              | 1 of 1  | ESE/186.7                  | 88.9 / 0.00      | GIBSON PATTERSON<br>245 LAMARCHE AVENUE, OTTAWA, ON K1C<br>1T1<br>Ottawa ON | RSC               |
| <b>RSC ID:</b>                  | 226598  |                            |                  | <b>Cert Date:</b>   |                   |
| <b>RA No:</b>                   |   |                            |                  | <b>Cert Prop Use No:</b>  |                   |
| <b>RSC Type:</b>                | Phase 1 RSC   |                            |                  | <b>Intended Prop Use:</b>   | Residential       |
| <b>Curr Property Use:</b>       | Commercial  |                            |                  | <b>Qual Person Name:</b>  | TIM ROBERSTON     |
| <b>Ministry District:</b>       | Ottawa District Office  |                            |                  | <b>Stratified (Y/N):</b>  |                   |
| <b>Filing Date:</b>             | 2020/04/20  |                            |                  | <b>Audit (Y/N):</b>   |                   |
| <b>Date Ack:</b>                |   |                            |                  | <b>Entire Leg Prop. (Y/N):</b>  |                   |
| <b>Date Returned:</b>           |   |                            |                  | <b>Accuracy Estimate:</b>   |                   |
| <b>Restoration Type:</b>        |   |                            |                  | <b>Telephone:</b>   |                   |
| <b>Soil Type:</b>               |   |                            |                  | <b>Fax:</b>   |                   |

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

**Criteria:**  
**CPU Issued Sect**  
**1686:**  
**Asmt Roll No:** 0614600205029010000  
**Prop ID No (PIN):** 04404-1854 (LT),  
04404-1855 (LT)  
**Property Municipal Address:** 275 LAMARCHE AVENUE, OTTAWA, ON K1C 1T1, 245 LAMARCHE AVENUE, OTTAWA, ON K1C 1T1  
**Mailing Address:**  
**Latitude & Longitude:**  
**UTM Coordinates:**  
**Consultant:**  
**Legal Desc:**  
**Measurement Method:**  
**Applicable Standards:**  
**RSC PDF:** <https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=125250&fileName=BROWNFIELDS-E.pdf>

**Document(s) Detail**

**Document Heading:** Supporting Documents  
**Document Name:** Current and Past Use Table - 245 and 275.pdf  
**Document Type:** Table of Current and Past Property Use  
**Document Link:** <https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=125252&fileName=Current+and+Past+Use+Table+-+245+and+275.pdf>

**Document Heading:** Supporting Documents  
**Document Name:** RSC Letter Blks 147-148 - 7 Feb 2020 - signed.pdf  
**Document Type:** Lawyer's letter consisting of a legal description of the property  
**Document Link:** <https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=125247&fileName=RSC+Letter+Blks+147-148+-+7+Feb+2020+-+signed.pdf>

**Document Heading:** Supporting Documents  
**Document Name:** 04404-1854 and 04404-1855.pdf  
**Document Type:** Copy of any deed(s), transfer(s) or other document(s)  
**Document Link:** <https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=125253&fileName=04404-1854+and+04404-1855.pdf>

**Document Heading:** Supporting Documents  
**Document Name:** PhaseOne.pdf  
**Document Type:** Phase 1 Conceptual Site Model  
**Document Link:** <https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=127266&fileName=PhaseOne.pdf>

**Document Heading:** Supporting Documents  
**Document Name:** Survey.pdf  
**Document Type:** A Current plan of Survey  
**Document Link:** <https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=127265&fileName=Survey.pdf>

**50**      **1 of 1**      **WSW/193.2**      **88.9 / 0.00**      **lot 6 con 3**      **WWIS**  
**ON**

|                             |              |                           |                      |
|-----------------------------|--------------|---------------------------|----------------------|
| <b>Well ID:</b>             | 1501423      | <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>     | 14-Nov-1961 00:00:00 |
| <b>Water Type:</b>          |              | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>     |              | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>            |              | <b>Contractor:</b>        | 1504                 |
| <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>               | 006                  |
| <b>Depth to Bedrock:</b>    |              | <b>Concession:</b>        | 03                   |



| Map Key   | Number of Records | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site  | DB  |
|---|-------------------|---|------------------|---|---|
| Well Depth:<br>Overburden/Bedrock:<br>Pump Rate:<br>Static Water Level:<br>Clear/Cloudy:<br>Municipality:<br>Site Info:   |                   | GLOUCESTER TOWNSHIP   |                  | Concession Name: OF<br>Easting NAD83:<br>Northing NAD83:<br>Zone:<br>UTM Reliability:                         |   |
| PDF URL (Map):  |                   | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501423.pdf |                  |   |   |
| <b><u>Additional Detail(s) (Map)</u></b>  |                   |   |                  |   |   |
| Well Completed Date:<br>Year Completed:<br>Depth (m):<br>Latitude:<br>Longitude:<br>Path:   |                   | 1961/08/16<br>1961<br>17.6784<br>45.4459899294072<br>-75.5284966216345<br>150\1501423.pdf     |                  |   |   |
| <b><u>Bore Hole Information</u></b>   |                   |   |                  |   |   |
| Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB:<br>Code OB Desc:<br>Open Hole:<br>Cluster Kind:<br>Date Completed:<br>Remarks:<br>Loc Method Desc:<br>Elevrc Desc:<br>Location Source Date:<br>Improvement Location Source:<br>Improvement Location Method:<br>Source Revision Comment:<br>Supplier Comment: | 10023466          |   |                  | Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc:<br>Location Method: | 18<br>458670.80<br>5032632.00<br>5<br>margin of error : 100 m - 300 m<br>p5 |
| <b><u>Overburden and Bedrock</u></b>  |                   |   |                  |   |   |
| <b><u>Materials Interval</u></b>  |                   |   |                  |   |   |
| Formation ID:<br>Layer:<br>Color:<br>General Color:<br>Mat1:<br>Most Common Material:<br>Mat2:<br>Mat3:<br>Mat3 Desc:<br>Formation Top Depth:<br>Formation End Depth:<br>Formation End Depth UOM:   |                   | 930991794<br>1<br>2<br>GREY<br>15<br>LIMESTONE  |                  |   |   |
| <b><u>Method of Construction &amp; Well Use</u></b>   |                   |   |                  |   |   |
| Method Construction ID:<br>Method Construction Code:<br>Method Construction:<br>Other Method Construction:  |                   | 961501423<br>7<br>Diamond   |                  |   |   |

| <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> |
|----------------|--------------------------|--------------------------------|----------------------|-------------|-----------|
|----------------|--------------------------|--------------------------------|----------------------|-------------|-----------|

**Pipe Information**

**Pipe ID:** 10572036  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930039814  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 58.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930039813  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 8.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991501423  
**Pump Set At:**  
**Static Level:** 4.0  
**Final Level After Pumping:** 20.0  
**Recommended Pump Depth:** 20.0  
**Pumping Rate:** 7.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 7.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Water Details**

**Water ID:** 933454130  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 58.0  
**Water Found Depth UOM:** ft

| Map Key                   | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site               | DB                |
|---------------------------|-------------------|----------------------------|------------------|--------------------|-------------------|
| <u>Links</u>              |                   |                            |                  |                    |                   |
| <b>Bore Hole ID:</b>      | 10023466          |                            |                  | <b>Tag No:</b>     |                   |
| <b>Depth M:</b>           | 17.6784           |                            |                  | <b>Contractor:</b> | 1504              |
| <b>Year Completed:</b>    | 1961              |                            |                  | <b>Path:</b>       | 150\1501423.pdf   |
| <b>Well Completed Dt:</b> | 1961/08/16        |                            |                  | <b>Latitude:</b>   | 45.4459899294072  |
| <b>Audit No:</b>          |                   |                            |                  | <b>Longitude:</b>  | -75.5284966216345 |

|                            |                     |         |             |                           |                      |
|----------------------------|---------------------|---------|-------------|---------------------------|----------------------|
| <a href="#">51</a>         | 1 of 1              | W/194.1 | 89.9 / 1.00 | lot 6 con 2<br>ON         | WWIS                 |
| <b>Well ID:</b>            | 1501236             |         |             | <b>Flowing (Y/N):</b>     |                      |
| <b>Construction Date:</b>  |                     |         |             | <b>Flow Rate:</b>         |                      |
| <b>Use 1st:</b>            | Commerical          |         |             | <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>     | 21-Apr-1961 00:00:00 |
| <b>Water Type:</b>         |                     |         |             | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>    |                     |         |             | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>           |                     |         |             | <b>Contractor:</b>        | 1802                 |
| <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>               | 006                  |
| <b>Depth to Bedrock:</b>   |                     |         |             | <b>Concession:</b>        | 02                   |
| <b>Well Depth:</b>         |                     |         |             | <b>Concession Name:</b>   | OF                   |
| <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>       | GLOUCESTER TOWNSHIP |         |             |                           |                      |
| <b>Site Info:</b>          |                     |         |             |                           |                      |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501236.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501236.pdf)

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

**Well Completed Date:** 1961/04/08  
**Year Completed:** 1961  
**Depth (m):** 73.152  
**Latitude:** 45.4473353170019  
**Longitude:** -75.5295322090566  
**Path:** 150\1501236.pdf

**Bore Hole Information**

|                                     |  |                         |                                 |
|-------------------------------------|--|-------------------------|---------------------------------|
| <b>Bore Hole ID:</b>                | 10023279   | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                       |  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>              |  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                     |  | <b>East83:</b>          | 458590.80                       |
| <b>Code OB Desc:</b>                |  | <b>North83:</b>         | 5032782.00                      |
| <b>Open Hole:</b>                   |  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                |  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>              | 08-Apr-1961 00:00:00   | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                     |  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>             | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>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>  |                          | 930991307                          |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <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>                                 |                          | 0.0                                |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 12.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 930991308                          |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Color:</b>   |                          |                                    |                          |             |           |
| <b>General Color:</b>                                       |                          |                                    |                          |             |           |
| <b>Mat1:</b>  |                          | 15                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | LIMESTONE                          |                          |             |           |
| <b>Mat2:</b>  |                          | 17                                 |                          |             |           |
| <b>Mat2 Desc:</b>   |                          | SHALE                              |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 12.0                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 240.0                              |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well<br/>Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                              |                          | 961501236                          |                          |             |           |
| <b>Method Construction Code:</b>                            |                          | 7                                  |                          |             |           |
| <b>Method Construction:</b>                                 |                          | Diamond                            |                          |             |           |
| <b>Other Method Construction:</b>                           |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                              |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>   |                          | 10571849                           |                          |             |           |
| <b>Casing No:</b>   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>   |                          |                                    |                          |             |           |
| <b>Alt Name:</b>  |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>                  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>   |                          | 930039452                          |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Material:</b>  |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                               |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>  |                          |                                    |                          |             |           |
| <b>Depth To:</b>  |                          | 240.0                              |                          |             |           |
| <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>                           |                          | 930039451                          |                          |                    |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |                    |           |
| <b>Material:</b>                            |                          | 1                                  |                          |                    |           |
| <b>Open Hole or Material:</b>               |                          | STEEL                              |                          |                    |           |
| <b>Depth From:</b>                          |                          |                                    |                          |                    |           |
| <b>Depth To:</b>                            |                          | 16.0                               |                          |                    |           |
| <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>                        |                          | 991501236                          |                          |                    |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |                    |           |
| <b>Static Level:</b>                        |                          | 10.0                               |                          |                    |           |
| <b>Final Level After Pumping:</b>           |                          | 230.0                              |                          |                    |           |
| <b>Recommended Pump Depth:</b>              |                          | 200.0                              |                          |                    |           |
| <b>Pumping Rate:</b>                        |                          | 2.0                                |                          |                    |           |
| <b>Flowing Rate:</b>                        |                          |                                    |                          |                    |           |
| <b>Recommended Pump Rate:</b>               |                          | 2.0                                |                          |                    |           |
| <b>Levels UOM:</b>                          |                          | ft                                 |                          |                    |           |
| <b>Rate UOM:</b>                            |                          | GPM                                |                          |                    |           |
| <b>Water State After Test Code:</b>         |                          | 1                                  |                          |                    |           |
| <b>Water State After Test:</b>              |                          | CLEAR                              |                          |                    |           |
| <b>Pumping Test Method:</b>                 |                          | 1                                  |                          |                    |           |
| <b>Pumping Duration HR:</b>                 |                          | 1                                  |                          |                    |           |
| <b>Pumping Duration MIN:</b>                |                          | 0                                  |                          |                    |           |
| <b>Flowing:</b>                             |                          | No                                 |                          |                    |           |
| <b><u>Water Details</u></b>                 |                          |                                    |                          |                    |           |
| <b>Water ID:</b>                            |                          | 933453932                          |                          |                    |           |
| <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>Water Details</u></b>                 |                          |                                    |                          |                    |           |
| <b>Water ID:</b>                            |                          | 933453934                          |                          |                    |           |
| <b>Layer:</b>                               |                          | 3                                  |                          |                    |           |
| <b>Kind Code:</b>                           |                          | 1                                  |                          |                    |           |
| <b>Kind:</b>                                |                          | FRESH                              |                          |                    |           |
| <b>Water Found Depth:</b>                   |                          | 230.0                              |                          |                    |           |
| <b>Water Found Depth UOM:</b>               |                          | ft                                 |                          |                    |           |
| <b><u>Water Details</u></b>                 |                          |                                    |                          |                    |           |
| <b>Water ID:</b>                            |                          | 933453933                          |                          |                    |           |
| <b>Layer:</b>                               |                          | 2                                  |                          |                    |           |
| <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>Links</u></b>                         |                          |                                    |                          |                    |           |
| <b>Bore Hole ID:</b>                        | 10023279                 |                                    |                          | <b>Tag No:</b>     |           |
| <b>Depth M:</b>                             | 73.152                   |                                    |                          | <b>Contractor:</b> | 1802      |

| Map Key            | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site       | DB                |
|--------------------|-------------------|----------------------------|------------------|------------|-------------------|
| Year Completed:    | 1961              |                            |                  | Path:      | 150\1501236.pdf   |
| Well Completed Dt: | 1961/04/08        |                            |                  | Latitude:  | 45.4473353170019  |
| Audit No:          |                   |                            |                  | Longitude: | -75.5295322090566 |

|                     |                     |         |             |                                 |                      |
|---------------------|---------------------|---------|-------------|---------------------------------|----------------------|
| <a href="#">52</a>  | 1 of 1              | W/196.3 | 89.9 / 1.00 | 2084 MONTREAL ROAD<br>OTTAWA ON | WWIS                 |
| Well ID:            | 1535516             |         |             | Flowing (Y/N):                  |                      |
| Construction Date:  |                     |         |             | Flow Rate:                      |                      |
| Use 1st:            |                     |         |             | Data Entry Status:              |                      |
| Use 2nd:            |                     |         |             | Data Src:                       |                      |
| Final Well Status:  | Observation Wells   |         |             | Date Received:                  | 28-May-2005 00:00:00 |
| Water Type:         |                     |         |             | Selected Flag:                  | TRUE                 |
| Casing Material:    |                     |         |             | Abandonment Rec:                |                      |
| Audit No:           | Z27124              |         |             | Contractor:                     | 1844                 |
| Tag:                | A020636             |         |             | Form Version:                   | 3                    |
| Constructn Method:  |                     |         |             | Owner:                          |                      |
| Elevation (m):      |                     |         |             | County:                         | OTTAWA-CARLETON      |
| Elevatn Reliabilty: |                     |         |             | Lot:                            |                      |
| Depth to Bedrock:   |                     |         |             | Concession:                     |                      |
| Well Depth:         |                     |         |             | Concession Name:                |                      |
| Overburden/Bedrock: |                     |         |             | Easting NAD83:                  |                      |
| Pump Rate:          |                     |         |             | Northing NAD83:                 |                      |
| Static Water Level: |                     |         |             | Zone:                           |                      |
| Clear/Cloudy:       |                     |         |             | UTM Reliability:                |                      |
| Municipality:       | GLOUCESTER TOWNSHIP |         |             |                                 |                      |
| Site Info:          |                     |         |             |                                 |                      |

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/153\1535516.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1535516.pdf)

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

Well Completed Date: 2005/04/11  
Year Completed: 2005  
Depth (m): 5  
Latitude: 45.4472272595681  
Longitude: -75.5295414282091  
Path: 153\1535516.pdf

#### Bore Hole Information

|                              |                      |                  |                                |
|------------------------------|----------------------|------------------|--------------------------------|
| Bore Hole ID:                | 11316055             | Elevation:       |                                |
| DP2BR:                       |                      | Elevrc:          |                                |
| Spatial Status:              |                      | Zone:            | 18                             |
| Code OB:                     |                      | East83:          | 458590.00                      |
| Code OB Desc:                |                      | North83:         | 5032770.00                     |
| Open Hole:                   |                      | Org CS:          | UTM83                          |
| Cluster Kind:                |                      | UTMRC:           | 4                              |
| Date Completed:              | 11-Apr-2005 00:00:00 | UTMRC Desc:      | margin of error : 30 m - 100 m |
| Remarks:                     |                      | Location Method: | wwr                            |
| Loc Method Desc:             | on Water Well Record |                  |                                |
| Elevrc Desc:                 |                      |                  |                                |
| Location Source Date:        |                      |                  |                                |
| Improvement Location Source: |                      |                  |                                |
| Improvement Location Method: |                      |                  |                                |
| Source Revision Comment:     |                      |                  |                                |
| Supplier Comment:            |                      |                  |                                |

#### Overburden and Bedrock Materials Interval

Formation ID: 932996511

| <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>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>                                    |                          | 84                                 |                          |             |           |
| <b>Mat2 Desc:</b>                               |                          | SILTY                              |                          |             |           |
| <b>Mat3:</b>                                    |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                               |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 3.0                                |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 5.0                                |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 932996510                          |                          |             |           |
| <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>                                    |                          | 11                                 |                          |             |           |
| <b>Mat2 Desc:</b>                               |                          | GRAVEL                             |                          |             |           |
| <b>Mat3:</b>                                    |                          | 77                                 |                          |             |           |
| <b>Mat3 Desc:</b>                               |                          | LOOSE                              |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 0.0                                |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 3.0                                |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment</u></b>         |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>                    |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                                 |                          | 933269515                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>                               |                          | 0.0                                |                          |             |           |
| <b>Plug To:</b>                                 |                          | 1.0                                |                          |             |           |
| <b>Plug Depth UOM:</b>                          |                          | m                                  |                          |             |           |
| <b><u>Method of Construction &amp; Well</u></b> |                          |                                    |                          |             |           |
| <b><u>Use</u></b>                               |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                  |                          | 961535516                          |                          |             |           |
| <b>Method Construction Code:</b>                |                          | B                                  |                          |             |           |
| <b>Method Construction:</b>                     |                          | Other Method                       |                          |             |           |
| <b>Other Method Construction:</b>               |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                  |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>                                 |                          | 11330910                           |                          |             |           |
| <b>Casing No:</b>                               |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                                 |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>      |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                               |                          | 930855323                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                |                          | 5                                  |                          |             |           |
| <b>Open Hole or Material:</b>                   |                          | PLASTIC                            |                          |             |           |
| <b>Depth From:</b>                              |                          | 0.0                                |                          |             |           |
| <b>Depth To:</b>                                |                          | 2.0                                |                          |             |           |

| Map Key              | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|----------------------|-------------------|----------------------------|------------------|------|----|
| Casing Diameter:     |                   | 5.0                        |                  |      |    |
| Casing Diameter UOM: |                   | cm                         |                  |      |    |
| Casing Depth UOM:    |                   | m                          |                  |      |    |

**Construction Record - Screen**

|                      |           |
|----------------------|-----------|
| Screen ID:           | 933412859 |
| Layer:               | 1         |
| Slot:                | 10        |
| Screen Top Depth:    | 2.0       |
| Screen End Depth:    | 5.0       |
| Screen Material:     | 5         |
| Screen Depth UOM:    | m         |
| Screen Diameter UOM: | cm        |
| Screen Diameter:     | 6.5       |

**Hole Diameter**

|                    |          |
|--------------------|----------|
| Hole ID:           | 11533550 |
| Diameter:          | 20.0     |
| Depth From:        | 0.0      |
| Depth To:          | 5.0      |
| Hole Depth UOM:    | m        |
| Hole Diameter UOM: | cm       |

**Links**

|                    |            |             |                   |
|--------------------|------------|-------------|-------------------|
| Bore Hole ID:      | 11316055   | Tag No:     | A020636           |
| Depth M:           | 5          | Contractor: | 1844              |
| Year Completed:    | 2005       | Path:       | 153\1535516.pdf   |
| Well Completed Dt: | 2005/04/11 | Latitude:   | 45.4472272595681  |
| Audit No:          | Z27124     | Longitude:  | -75.5295414282091 |

|                    |        |           |             |                   |      |
|--------------------|--------|-----------|-------------|-------------------|------|
| <a href="#">53</a> | 1 of 1 | SSW/203.6 | 88.9 / 0.00 | lot 6 con 3<br>ON | WWIS |
|--------------------|--------|-----------|-------------|-------------------|------|

|                     |   |                    |                      |
|---------------------|---|--------------------|----------------------|
| Well ID:            | 1501424   | Flowing (Y/N):     |                      |
| Construction Date:  |   | Flow Rate:         |                      |
| Use 1st:            | Domestic  | Data Entry Status: |                      |
| Use 2nd:            | 0   | Data Src:          | 1                    |
| Final Well Status:  | Water Supply  | Date Received:     | 14-Nov-1961 00:00:00 |
| Water Type:         |   | Selected Flag:     | TRUE                 |
| Casing Material:    |   | Abandonment Rec:   |                      |
| Audit No:           |   | Contractor:        | 1628                 |
| Tag:                |   | Form Version:      | 1                    |
| Constructn Method:  |   | Owner:             |                      |
| Elevation (m):      |   | County:            | OTTAWA-CARLETON      |
| Elevatn Reliabilty: |   | Lot:               | 006                  |
| Depth to Bedrock:   |   | Concession:        | 03                   |
| Well Depth:         |   | Concession Name:   | OF                   |
| Overburden/Bedrock: |   | Easting NAD83:     |                      |
| Pump Rate:          |   | Northing NAD83:    |                      |
| Static Water Level: |   | Zone:              |                      |
| Clear/Cloudy:       |   | UTM Reliability:   |                      |
| Municipality:       | GLOUCESTER TOWNSHIP   |                    |                      |
| Site Info:          |   |                    |                      |
| PDF URL (Map):      | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501424.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501424.pdf</a> |                    |                      |

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

|                      |            |
|----------------------|------------|
| Well Completed Date: | 1961/09/19 |
|----------------------|------------|



| <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>Year Completed:</b> |                          | 1961                               |                          |             |           |
| <b>Depth (m):</b>      |                          | 13.4112                            |                          |             |           |
| <b>Latitude:</b>       |                          | 45.4454125539429                   |                          |             |           |
| <b>Longitude:</b>      |                          | -75.5268288731209                  |                          |             |           |
| <b>Path:</b>           |                          | 150\1501424.pdf                    |                          |             |           |

**Bore Hole Information**

|                                     |  |                         |                                 |
|-------------------------------------|--|-------------------------|---------------------------------|
| <b>Bore Hole ID:</b>                | 10023467   | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                       |  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>              |  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                     |  | <b>East83:</b>          | 458800.80                       |
| <b>Code OB Desc:</b>                |  | <b>North83:</b>         | 5032567.00                      |
| <b>Open Hole:</b>                   |  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                |  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>              | 19-Sep-1961 00:00:00   | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                     |  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>             | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>            |  |                         |                                 |

**Overburden and Bedrock**

**Materials Interval**

|                                 |           |
|---------------------------------|-----------|
| <b>Formation ID:</b>            | 930991795 |
| <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>     | 10.0      |
| <b>Formation End Depth UOM:</b> | ft        |

**Overburden and Bedrock**

**Materials Interval**

|                                 |             |
|---------------------------------|-------------|
| <b>Formation ID:</b>            | 930991796   |
| <b>Layer:</b>                   | 2           |
| <b>Color:</b>                   |             |
| <b>General Color:</b>           |             |
| <b>Mat1:</b>                    | 09          |
| <b>Most Common Material:</b>    | MEDIUM SAND |
| <b>Mat2:</b>                    | 13          |
| <b>Mat2 Desc:</b>               | BOULDERS    |
| <b>Mat3:</b>                    |             |
| <b>Mat3 Desc:</b>               |             |
| <b>Formation Top Depth:</b>     | 10.0        |
| <b>Formation End Depth:</b>     | 13.0        |
| <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>                                |                          | 930991797                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 3                                  |                          |             |           |
| <b>Color:</b>                                       |                          |                                    |                          |             |           |
| <b>General Color:</b>                               |                          |                                    |                          |             |           |
| <b>Mat1:</b>  |                          | 15                                 |                          |             |           |
| <b>Most Common Material:</b>                        |                          | LIMESTONE                          |                          |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |
| <b>Mat2 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                         |                          | 13.0                               |                          |             |           |
| <b>Formation End Depth:</b>                         |                          | 44.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                      |                          | 961501424                          |                          |             |           |
| <b>Method Construction Code:</b>                    |                          | 7                                  |                          |             |           |
| <b>Method Construction:</b>                         |                          | Diamond                            |                          |             |           |
| <b>Other Method Construction:</b>                   |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                      |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>                                     |                          | 10572037                           |                          |             |           |
| <b>Casing No:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                                     |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                    |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930039816                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 2                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 44.0                               |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 2.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                            |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930039815                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 16.0                               |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 2.0                                |                          |             |           |
| <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>                                |                          | 991501424                          |                          |             |           |
| <b>Pump Set At:</b>                                 |                          |                                    |                          |             |           |
| <b>Static Level:</b>                                |                          | 6.0                                |                          |             |           |
| <b>Final Level After Pumping:</b>                   |                          | 28.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>                      |                          | 28.0                               |                          |             |           |
| <b>Pumping Rate:</b>                                |                          | 15.0                               |                          |             |           |

| Map Key                             | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|-------------------------------------|-------------------|----------------------------|------------------|------|----|
| <b>Flowing Rate:</b>                |                   |                            |                  |      |    |
| <b>Recommended Pump Rate:</b>       |                   | 3.0                        |                  |      |    |
| <b>Levels UOM:</b>                  |                   | ft                         |                  |      |    |
| <b>Rate UOM:</b>                    |                   | GPM                        |                  |      |    |
| <b>Water State After Test Code:</b> |                   | 1                          |                  |      |    |
| <b>Water State After Test:</b>      |                   | CLEAR                      |                  |      |    |
| <b>Pumping Test Method:</b>         |                   | 1                          |                  |      |    |
| <b>Pumping Duration HR:</b>         |                   | 1                          |                  |      |    |
| <b>Pumping Duration MIN:</b>        |                   | 0                          |                  |      |    |
| <b>Flowing:</b>                     |                   | No                         |                  |      |    |

**Water Details**

**Water ID:** 933454131  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 40.0  
**Water Found Depth UOM:** ft

**Links**

|                           |            |                    |                   |
|---------------------------|------------|--------------------|-------------------|
| <b>Bore Hole ID:</b>      | 10023467   | <b>Tag No:</b>     |                   |
| <b>Depth M:</b>           | 13.4112    | <b>Contractor:</b> | 1628              |
| <b>Year Completed:</b>    | 1961       | <b>Path:</b>       | 150\1501424.pdf   |
| <b>Well Completed Dt:</b> | 1961/09/19 | <b>Latitude:</b>   | 45.4454125539429  |
| <b>Audit No:</b>          |            | <b>Longitude:</b>  | -75.5268288731209 |

|                           |        |                |                    |                           |             |
|---------------------------|--------|----------------|--------------------|---------------------------|-------------|
| <a href="#"><u>54</u></a> | 1 of 1 | <b>E/203.7</b> | <b>88.9 / 0.00</b> | <b>lot 5 con 3<br/>ON</b> | <b>WWIS</b> |
|---------------------------|--------|----------------|--------------------|---------------------------|-------------|

|                             |                     |                           |                      |
|-----------------------------|---------------------|---------------------------|----------------------|
| <b>Well ID:</b>             | 1501406             | <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>     | 01-Jun-1962 00:00:00 |
| <b>Water Type:</b>          |                     | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>     |                     | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>            |                     | <b>Contractor:</b>        | 1504                 |
| <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>               | 005                  |
| <b>Depth to Bedrock:</b>    |                     | <b>Concession:</b>        | 03                   |
| <b>Well Depth:</b>          |                     | <b>Concession Name:</b>   | OF                   |
| <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>        | GLOUCESTER TOWNSHIP |                           |                      |
| <b>Site Info:</b>           |                     |                           |                      |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501406.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501406.pdf)

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

**Well Completed Date:** 1962/05/10  
**Year Completed:** 1962  
**Depth (m):** 9.7536  
**Latitude:** 45.4482666191034  
**Longitude:** -75.5227632796448  
**Path:** 150\1501406.pdf

| Map Key   | Number of Records    | Direction/<br>Distance (m)                                       | Elev/Diff<br>(m) | Site                    | DB                              |
|---|----------------------|--|------------------|-------------------------|---------------------------------|
| <b><u>Bore Hole Information</u></b>             |                      |  |                  |                         |                                 |
| <b>Bore Hole ID:</b>                            | 10023449             |  |                  | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                                   |                      |  |                  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>                          |                      |  |                  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                                 |                      |  |                  | <b>East83:</b>          | 459120.80                       |
| <b>Code OB Desc:</b>                            |                      |  |                  | <b>North83:</b>         | 5032882.00                      |
| <b>Open Hole:</b>                               |                      |  |                  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                            |                      |  |                  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>                          | 10-May-1962 00:00:00 |  |                  | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                                 |                      |  |                  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>                         |                      | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>                            | 930991758            |  |                  |                         |                                 |
| <b>Layer:</b>                                   | 1                    |  |                  |                         |                                 |
| <b>Color:</b>                                   |                      |  |                  |                         |                                 |
| <b>General Color:</b>                           |                      |  |                  |                         |                                 |
| <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>                     | 1.0                  |  |                  |                         |                                 |
| <b>Formation End Depth UOM:</b>                 | ft                   |  |                  |                         |                                 |
| <b><u>Overburden and Bedrock</u></b>            |                      |  |                  |                         |                                 |
| <b><u>Materials Interval</u></b>                |                      |  |                  |                         |                                 |
| <b>Formation ID:</b>                            | 930991759            |  |                  |                         |                                 |
| <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>                     | 1.0                  |  |                  |                         |                                 |
| <b>Formation End Depth:</b>                     | 32.0                 |  |                  |                         |                                 |
| <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>                  | 961501406            |  |                  |                         |                                 |
| <b>Method Construction Code:</b>                | 7                    |  |                  |                         |                                 |
| <b>Method Construction:</b>                     | Diamond              |  |                  |                         |                                 |
| <b>Other Method Construction:</b>               |                      |  |                  |                         |                                 |

**Pipe Information**

**Pipe ID:** 10572019  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930039782  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 8.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930039783  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 32.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991501406  
**Pump Set At:**  
**Static Level:** 4.0  
**Final Level After Pumping:** 20.0  
**Recommended Pump Depth:** 20.0  
**Pumping Rate:** 9.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 9.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 2  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Water Details**

**Water ID:** 933454113  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 32.0  
**Water Found Depth UOM:** ft

**Links**

| Map Key                   | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site               | DB                |
|---------------------------|-------------------|----------------------------|------------------|--------------------|-------------------|
| <b>Bore Hole ID:</b>      | 10023449          |                            |                  | <b>Tag No:</b>     |                   |
| <b>Depth M:</b>           | 9.7536            |                            |                  | <b>Contractor:</b> | 1504              |
| <b>Year Completed:</b>    | 1962              |                            |                  | <b>Path:</b>       | 150\1501406.pdf   |
| <b>Well Completed Dt:</b> | 1962/05/10        |                            |                  | <b>Latitude:</b>   | 45.4482666191034  |
| <b>Audit No:</b>          |                   |                            |                  | <b>Longitude:</b>  | -75.5227632796448 |

[55](#)    1 of 1    **SSW/205.6**    **88.9 / 0.00**    **RHEAL SIMARD - PT. LOT 5, CONC. 3  
PAGE RD./BUTTONFIELD PLACE  
GLOUCESTER CITY ON**    **CA**

**Certificate #:** 3-1272-91-  
**Application Year:** 91  
**Issue Date:** 8/22/1991  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

[56](#)    1 of 1    **W/208.7**    **89.9 / 1.00**    **ON**    **BORE**

|                            |                |                           |                |
|----------------------------|----------------|---------------------------|----------------|
| <b>Borehole ID:</b>        | 615214         | <b>Inclin FLG:</b>        | No             |
| <b>OGF ID:</b>             | 215516156      | <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> | 1.5            | <b>Lot:</b>               |                |
| <b>Primary Water Use:</b>  |                | <b>Township:</b>          |                |
| <b>Sec. Water Use:</b>     |                | <b>Latitude DD:</b>       | 45.447067      |
| <b>Total Depth m:</b>      | -999           | <b>Longitude DD:</b>      | -75.529658     |
| <b>Depth Ref:</b>          | Ground Surface | <b>UTM Zone:</b>          | 18             |
| <b>Depth Elev:</b>         |                | <b>Easting:</b>           | 458581         |
| <b>Drill Method:</b>       |                | <b>Northing:</b>          | 5032752        |
| <b>Orig Ground Elev m:</b> | 91.4           | <b>Location Accuracy:</b> |                |
| <b>Elev Reliabil Note:</b> |                | <b>Accuracy:</b>          | Not Applicable |
| <b>DEM Ground Elev m:</b>  | 91.8           |                           |                |
| <b>Concession:</b>         |                |                           |                |
| <b>Location D:</b>         |                |                           |                |
| <b>Survey D:</b>           |                |                           |                |
| <b>Comments:</b>           |                |                           |                |

**Borehole Geology Stratum**

|                                  |           |                            |  |
|----------------------------------|-----------|----------------------------|--|
| <b>Geology Stratum ID:</b>       | 218400841 | <b>Mat Consistency:</b>    |  |
| <b>Top Depth:</b>                | 0         | <b>Material Moisture:</b>  |  |
| <b>Bottom Depth:</b>             | 2.1       | <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.     |                            |  |

**Geology Stratum ID:** 218400842    **Mat Consistency:**

| Map Key  | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site   | DB |
|--|---|----------------------------|------------------|--|----|
| <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> | 2.1<br><br><br>Bedrock<br>Limestone<br><br><br><br><br><br><br>BEDROCK. WATER STABLE AT 295.0 FEET.0200E. BEDROCK. 10DROCK. BEDROCK. BEDROCK. WAT |                            |                  | <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> |    |
| **Note: Many records provided by the department have a truncated [Stratum Description] field.  |   |                            |                  |  |    |

**Source**

|                        |  |                      |                        |
|------------------------|--|----------------------|------------------------|
| <b>Source Type:</b>    | Data Survey  | <b>Source Appl:</b>  | Spatial/Tabular        |
| <b>Source Orig:</b>    | Geological Survey of Canada                          | <b>Source 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: OTTAWA2.txt RecordID: 077220 NTS_Sheet: 31G05H |                      |                        |
| <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="#"><u>57</u></a>   | 1 of 1  | SW/209.3                  | 88.9 / 0.00          | lot 6 con 3<br>ON | WWIS |
| <b>Well ID:</b>             | 1511029   | <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>     | 22-Jan-1971 00:00:00 |                   |      |
| <b>Water Type:</b>          |   | <b>Selected Flag:</b>     | TRUE                 |                   |      |
| <b>Casing Material:</b>     |   | <b>Abandonment Rec:</b>   |                      |                   |      |
| <b>Audit No:</b>            |   | <b>Contractor:</b>        | 3504                 |                   |      |
| <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>               | 006                  |                   |      |
| <b>Depth to Bedrock:</b>    |   | <b>Concession:</b>        | 03                   |                   |      |
| <b>Well Depth:</b>          |   | <b>Concession Name:</b>   | OF                   |                   |      |
| <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>        | GLOUCESTER TOWNSHIP   |                           |                      |                   |      |
| <b>Site Info:</b>           |   |                           |                      |                   |      |
| <b>PDF URL (Map):</b>       | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511029.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511029.pdf</a> |                           |                      |                   |      |

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

|                             |            |
|-----------------------------|------------|
| <b>Well Completed Date:</b> | 1970/11/25 |
| <b>Year Completed:</b>      | 1970       |
| <b>Depth (m):</b>           | 17.0688    |

| <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>Latitude:</b>  |                          | 45.4458099126519                   |                          |             |           |
| <b>Longitude:</b> |                          | -75.5284949406416                  |                          |             |           |
| <b>Path:</b>      |                          | 151\1511029.pdf                    |                          |             |           |

**Bore Hole Information**

|                                     |   |                         |                                |
|-------------------------------------|---|-------------------------|--------------------------------|
| <b>Bore Hole ID:</b>                | 10033031  | <b>Elevation:</b>       |                                |
| <b>DP2BR:</b>                       |   | <b>Elevrc:</b>          |                                |
| <b>Spatial Status:</b>              |   | <b>Zone:</b>            | 18                             |
| <b>Code OB:</b>                     |   | <b>East83:</b>          | 458670.80                      |
| <b>Code OB Desc:</b>                |   | <b>North83:</b>         | 5032612.00                     |
| <b>Open Hole:</b>                   |   | <b>Org CS:</b>          |                                |
| <b>Cluster Kind:</b>                |   | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>              | 25-Nov-1970 00:00:00  | <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>            |   |                         |                                |

**Overburden and Bedrock**

**Materials Interval**

|                                 |           |
|---------------------------------|-----------|
| <b>Formation ID:</b>            | 931016500 |
| <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>     | 10.0      |
| <b>Formation End Depth:</b>     | 56.0      |
| <b>Formation End Depth UOM:</b> | ft        |

**Overburden and Bedrock**

**Materials Interval**

|                                 |             |
|---------------------------------|-------------|
| <b>Formation ID:</b>            | 931016498   |
| <b>Layer:</b>                   | 1           |
| <b>Color:</b>                   |             |
| <b>General Color:</b>           |             |
| <b>Mat1:</b>                    | 09          |
| <b>Most Common Material:</b>    | MEDIUM 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>     | 4.0         |
| <b>Formation End Depth UOM:</b> | ft          |

**Overburden and Bedrock**

**Materials Interval**

|                      |           |
|----------------------|-----------|
| <b>Formation ID:</b> | 931016499 |
| <b>Layer:</b>        | 2         |



| <b>Map Key</b>                                      | <b>Number of Records</b> | <b>Direction/ Distance (m)</b> | <b>Elev/Diff (m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|--------------------------------|----------------------|-------------|-----------|
| <b>Color:</b>                                       |                          |                                |                      |             |           |
| <b>General Color:</b>                               |                          |                                |                      |             |           |
| <b>Mat1:</b>  |                          | 12                             |                      |             |           |
| <b>Most Common Material:</b>                        |                          | STONES                         |                      |             |           |
| <b>Mat2:</b>  |                          |                                |                      |             |           |
| <b>Mat2 Desc:</b>                                   |                          |                                |                      |             |           |
| <b>Mat3:</b>  |                          |                                |                      |             |           |
| <b>Mat3 Desc:</b>                                   |                          |                                |                      |             |           |
| <b>Formation Top Depth:</b>                         |                          | 4.0                            |                      |             |           |
| <b>Formation End Depth:</b>                         |                          | 10.0                           |                      |             |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft                             |                      |             |           |
| <br>  |                          |                                |                      |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |                                |                      |             |           |
| <b>Method Construction ID:</b>                      |                          | 961511029                      |                      |             |           |
| <b>Method Construction Code:</b>                    |                          | 1                              |                      |             |           |
| <b>Method Construction:</b>                         |                          | Cable Tool                     |                      |             |           |
| <b>Other Method Construction:</b>                   |                          |                                |                      |             |           |
| <br>  |                          |                                |                      |             |           |
| <b><u>Pipe Information</u></b>                      |                          |                                |                      |             |           |
| <b>Pipe ID:</b>                                     |                          | 10581601                       |                      |             |           |
| <b>Casing No:</b>                                   |                          | 1                              |                      |             |           |
| <b>Comment:</b>                                     |                          |                                |                      |             |           |
| <b>Alt Name:</b>                                    |                          |                                |                      |             |           |
| <br>  |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                   |                          | 930058601                      |                      |             |           |
| <b>Layer:</b>                                       |                          | 2                              |                      |             |           |
| <b>Material:</b>                                    |                          | 4                              |                      |             |           |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE                      |                      |             |           |
| <b>Depth From:</b>                                  |                          |                                |                      |             |           |
| <b>Depth To:</b>                                    |                          | 56.0                           |                      |             |           |
| <b>Casing Diameter:</b>                             |                          |                                |                      |             |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch                           |                      |             |           |
| <b>Casing Depth UOM:</b>                            |                          | ft                             |                      |             |           |
| <br>  |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                   |                          | 930058600                      |                      |             |           |
| <b>Layer:</b>                                       |                          | 1                              |                      |             |           |
| <b>Material:</b>                                    |                          | 1                              |                      |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                          |                      |             |           |
| <b>Depth From:</b>                                  |                          |                                |                      |             |           |
| <b>Depth To:</b>                                    |                          | 20.0                           |                      |             |           |
| <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>                    |                          | BAILER                         |                      |             |           |
| <b>Pump Test ID:</b>                                |                          | 991511029                      |                      |             |           |
| <b>Pump Set At:</b>                                 |                          |                                |                      |             |           |
| <b>Static Level:</b>                                |                          | 10.0                           |                      |             |           |
| <b>Final Level After Pumping:</b>                   |                          | 15.0                           |                      |             |           |
| <b>Recommended Pump Depth:</b>                      |                          | 30.0                           |                      |             |           |
| <b>Pumping Rate:</b>                                |                          | 15.0                           |                      |             |           |
| <b>Flowing Rate:</b>                                |                          |                                |                      |             |           |
| <b>Recommended Pump Rate:</b>                       |                          | 10.0                           |                      |             |           |

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

**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 2  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934642303  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 15.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934097574  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 15.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934899644  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 15.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934380587  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 15.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933466097  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 54.0  
**Water Found Depth UOM:** ft

**Links**

|                           |            |                    |                   |
|---------------------------|------------|--------------------|-------------------|
| <b>Bore Hole ID:</b>      | 10033031   | <b>Tag No:</b>     | 3504              |
| <b>Depth M:</b>           | 17.0688    | <b>Contractor:</b> | 151\1511029.pdf   |
| <b>Year Completed:</b>    | 1970       | <b>Path:</b>       | 45.4458099126519  |
| <b>Well Completed Dt:</b> | 1970/11/25 | <b>Latitude:</b>   | -75.5284949406416 |
| <b>Audit No:</b>          |            | <b>Longitude:</b>  |                   |

| Map Key                     | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                      | DB                   |
|-----------------------------|-------------------|----------------------------|------------------|---------------------------|----------------------|
| <b>Well ID:</b>             | 1501237           |                            |                  | <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>     | 14-Nov-1961 00:00:00 |
| <b>Water Type:</b>          |                   |                            |                  | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>     |                   |                            |                  | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>            |                   |                            |                  | <b>Contractor:</b>        | 1504                 |
| <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>               | 006                  |
| <b>Depth to Bedrock:</b>    |                   |                            |                  | <b>Concession:</b>        | 02                   |
| <b>Well Depth:</b>          |                   |                            |                  | <b>Concession Name:</b>   | OF                   |
| <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>        |                   | GLOUCESTER TOWNSHIP        |                  |                           |                      |
| <b>Site Info:</b>           |                   |                            |                  |                           |                      |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501237.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501237.pdf)

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

**Well Completed Date:** 1961/05/08  
**Year Completed:** 1961  
**Depth (m):** 5.4864  
**Latitude:** 45.4465258346052  
**Longitude:** -75.5293967589466  
**Path:** 150\1501237.pdf

**Bore Hole Information**

|                                     |  |                         |                                 |
|-------------------------------------|--|-------------------------|---------------------------------|
| <b>Bore Hole ID:</b>                | 10023280   | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                       |  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>              |  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                     |  | <b>East83:</b>          | 458600.80                       |
| <b>Code OB Desc:</b>                |  | <b>North83:</b>         | 5032692.00                      |
| <b>Open Hole:</b>                   |  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                |  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>              | 08-May-1961 00:00:00   | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                     |  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>             | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>            |  |                         |                                 |

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930991309  
**Layer:** 1  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**

| <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>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                                       |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                             |                          | 0.0                                |                          |             |           |
| <b>Formation End Depth:</b>                             |                          | 16.0                               |                          |             |           |
| <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>                                    |                          | 930991310                          |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <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>                             |                          | 16.0                               |                          |             |           |
| <b>Formation End Depth:</b>                             |                          | 18.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                         |                          | ft                                 |                          |             |           |
| <br><b><u>Method of Construction &amp; Well Use</u></b> |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                          |                          | 961501237                          |                          |             |           |
| <b>Method Construction Code:</b>                        |                          | 7                                  |                          |             |           |
| <b>Method Construction:</b>                             |                          | Diamond                            |                          |             |           |
| <b>Other Method Construction:</b>                       |                          |                                    |                          |             |           |
| <br><b><u>Pipe Information</u></b>                      |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>   |                          | 10571850                           |                          |             |           |
| <b>Casing No:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Comment:</b>   |                          |                                    |                          |             |           |
| <b>Alt Name:</b>  |                          |                                    |                          |             |           |
| <br><b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                       |                          | 930039453                          |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Material:</b>  |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>                           |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                                      |                          |                                    |                          |             |           |
| <b>Depth To:</b>  |                          | 18.0                               |                          |             |           |
| <b>Casing Diameter:</b>                                 |                          | 2.0                                |                          |             |           |
| <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>                                    |                          | 991501237                          |                          |             |           |
| <b>Pump Set At:</b>                                     |                          |                                    |                          |             |           |
| <b>Static Level:</b>                                    |                          | 5.0                                |                          |             |           |
| <b>Final Level After Pumping:</b>                       |                          | 16.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>                          |                          | 16.0                               |                          |             |           |
| <b>Pumping Rate:</b>                                    |                          | 12.0                               |                          |             |           |
| <b>Flowing Rate:</b>                                    |                          |                                    |                          |             |           |
| <b>Recommended Pump Rate:</b>                           |                          | 12.0                               |                          |             |           |
| <b>Levels UOM:</b>                                      |                          | ft                                 |                          |             |           |

| Map Key  | Number of Records | Direction/<br>Distance (m)                                  | Elev/Diff<br>(m) | Site   | DB   |
|--|-------------------|---|------------------|--|--|
| <b>Rate UOM:</b><br><b>Water State After Test Code:</b><br><b>Water State After Test:</b><br><b>Pumping Test Method:</b><br><b>Pumping Duration HR:</b><br><b>Pumping Duration MIN:</b><br><b>Flowing:</b> |                   | GPM<br>1<br>CLEAR<br>1<br>1<br>0<br>No                      |                  |  |  |
| <b><u>Water Details</u></b>  |                   |   |                  |  |  |
| <b>Water ID:</b><br><b>Layer:</b><br><b>Kind Code:</b><br><b>Kind:</b><br><b>Water Found Depth:</b><br><b>Water Found Depth UOM:</b>   |                   | 933453935<br>1<br>1<br>FRESH<br>18.0<br>ft                  |                  |  |  |
| <b><u>Links</u></b>  |                   |   |                  |  |  |
| <b>Bore Hole ID:</b><br><b>Depth M:</b><br><b>Year Completed:</b><br><b>Well Completed Dt:</b><br><b>Audit No:</b>   |                   | 10023280<br>5.4864<br>1961<br>1961/05/08                    |                  | <b>Tag No:</b><br><b>Contractor:</b><br><b>Path:</b><br><b>Latitude:</b><br><b>Longitude:</b>  | 1504<br>150\1501237.pdf<br>45.4465258346052<br>-75.5293967589466 |
| <a href="#">59</a>   | 1 of 2            | ESE/215.6   | 88.9 / 0.00      | 245/275 ave de lamarche<br>Ottawa ON K1W 1H2   | EHS  |
| <b>Order No:</b><br><b>Status:</b><br><b>Report Type:</b><br><b>Report Date:</b><br><b>Date Received:</b><br><b>Previous Site Name:</b><br><b>Lot/Building Size:</b><br><b>Additional Info Ordered:</b>    |                   | 22011900082<br>C<br>Custom Report<br>24-JAN-22<br>19-JAN-22 |                  | <b>Nearest Intersection:</b><br><b>Municipality:</b><br><b>Client Prov/State:</b><br><b>Search Radius (km):</b><br><b>X:</b><br><b>Y:</b>  | ON<br>.25<br>-75.52307509<br>45.4463796                          |
| <a href="#">59</a>   | 2 of 2            | ESE/215.6   | 88.9 / 0.00      | 245/275 ave de lamarche<br>Ottawa ON K1W 1H2   | EHS  |
| <b>Order No:</b><br><b>Status:</b><br><b>Report Type:</b><br><b>Report Date:</b><br><b>Date Received:</b><br><b>Previous Site Name:</b><br><b>Lot/Building Size:</b><br><b>Additional Info Ordered:</b>    |                   | 22011900082<br>C<br>Custom Report<br>24-JAN-22<br>19-JAN-22 |                  | <b>Nearest Intersection:</b><br><b>Municipality:</b><br><b>Client Prov/State:</b><br><b>Search Radius (km):</b><br><b>X:</b><br><b>Y:</b>  | ON<br>.25<br>-75.52307509<br>45.4463796                          |
| <a href="#">60</a>   | 1 of 1            | SSW/226.1   | 88.9 / 0.00      | lot 6 con 3<br>ON  | WWIS   |
| <b>Well ID:</b><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>                       |                   | 1501441<br>Domestic<br>0<br>Water Supply                    |                  | <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><br><b>Selected Flag:</b><br><b>Abandonment Rec:</b><br><b>Contractor:</b> | 1<br>15-Aug-1961 00:00:00<br>TRUE<br>1504                        |

| Map Key                    | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                    | DB              |
|----------------------------|-------------------|----------------------------|------------------|-------------------------|-----------------|
| <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>             | 006             |
| <b>Depth to Bedrock:</b>   |                   |                            |                  | <b>Concession:</b>      | 03              |
| <b>Well Depth:</b>         |                   |                            |                  | <b>Concession Name:</b> | OF              |
| <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>       |                   | GLOUCESTER TOWNSHIP        |                  |                         |                 |
| <b>Site Info:</b>          |                   |                            |                  |                         |                 |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501441.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501441.pdf)

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

**Well Completed Date:** 1961/06/26  
**Year Completed:** 1961  
**Depth (m):** 15.8496  
**Latitude:** 45.4451881226013  
**Longitude:** -75.5266989109321  
**Path:** 150\1501441.pdf

**Bore Hole Information**

|                                     |  |                         |                                 |
|-------------------------------------|--|-------------------------|---------------------------------|
| <b>Bore Hole ID:</b>                | 10023484   | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                       |  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>              |  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                     |  | <b>East83:</b>          | 458810.80                       |
| <b>Code OB Desc:</b>                |  | <b>North83:</b>         | 5032542.00                      |
| <b>Open Hole:</b>                   |  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                |  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>              | 26-Jun-1961 00:00:00   | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                     |  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>             | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>            |  |                         |                                 |

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930991835  
**Layer:** 1  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 28.0  
**Formation End Depth UOM:** 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>                                |                          | 930991836                          |                          |             |           |
| <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>                         |                          | 28.0                               |                          |             |           |
| <b>Formation End Depth:</b>                         |                          | 52.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                      |                          | 961501441                          |                          |             |           |
| <b>Method Construction Code:</b>                    |                          | 7                                  |                          |             |           |
| <b>Method Construction:</b>                         |                          | Diamond                            |                          |             |           |
| <b>Other Method Construction:</b>                   |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                      |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>                                     |                          | 10572054                           |                          |             |           |
| <b>Casing No:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                                     |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                    |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930039850                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 2                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 52.0                               |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 2.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                            |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930039849                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 30.0                               |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 2.0                                |                          |             |           |
| <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>                                |                          | 991501441                          |                          |             |           |
| <b>Pump Set At:</b>                                 |                          |                                    |                          |             |           |
| <b>Static Level:</b>                                |                          |                                    |                          |             |           |
| <b>Final Level After Pumping:</b>                   |                          | 20.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>                      |                          | 20.0                               |                          |             |           |

| Map Key                             | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|-------------------------------------|-------------------|----------------------------|------------------|------|----|
| <b>Pumping Rate:</b>                |                   | 8.0                        |                  |      |    |
| <b>Flowing Rate:</b>                |                   |                            |                  |      |    |
| <b>Recommended Pump Rate:</b>       |                   | 8.0                        |                  |      |    |
| <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>                     |                   | Yes                        |                  |      |    |

**Water Details**

|                               |           |
|-------------------------------|-----------|
| <b>Water ID:</b>              | 933454148 |
| <b>Layer:</b>                 | 1         |
| <b>Kind Code:</b>             | 1         |
| <b>Kind:</b>                  | FRESH     |
| <b>Water Found Depth:</b>     | 52.0      |
| <b>Water Found Depth UOM:</b> | ft        |

**Links**

|                           |            |                    |                   |
|---------------------------|------------|--------------------|-------------------|
| <b>Bore Hole ID:</b>      | 10023484   | <b>Tag No:</b>     |                   |
| <b>Depth M:</b>           | 15.8496    | <b>Contractor:</b> | 1504              |
| <b>Year Completed:</b>    | 1961       | <b>Path:</b>       | 150\1501441.pdf   |
| <b>Well Completed Dt:</b> | 1961/06/26 | <b>Latitude:</b>   | 45.4451881226013  |
| <b>Audit No:</b>          |            | <b>Longitude:</b>  | -75.5266989109321 |

|                    |        |                  |                    |                           |             |
|--------------------|--------|------------------|--------------------|---------------------------|-------------|
| <a href="#">61</a> | 1 of 1 | <b>ENE/228.1</b> | <b>88.9 / 0.00</b> | <b>lot 4 con 3<br/>ON</b> | <b>WWIS</b> |
|--------------------|--------|------------------|--------------------|---------------------------|-------------|

|                            |                     |                           |                      |
|----------------------------|---------------------|---------------------------|----------------------|
| <b>Well ID:</b>            | 1518180             | <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>     | 05-Apr-1983 00:00:00 |
| <b>Water Type:</b>         |                     | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>    |                     | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>           |                     | <b>Contractor:</b>        | 1504                 |
| <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>               | 004                  |
| <b>Depth to Bedrock:</b>   |                     | <b>Concession:</b>        | 03                   |
| <b>Well Depth:</b>         |                     | <b>Concession Name:</b>   | OF                   |
| <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>       | GLOUCESTER TOWNSHIP |                           |                      |
| <b>Site Info:</b>          |                     |                           |                      |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1518180.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518180.pdf)

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

|                             |                   |
|-----------------------------|-------------------|
| <b>Well Completed Date:</b> | 1982/06/17        |
| <b>Year Completed:</b>      | 1982              |
| <b>Depth (m):</b>           | 25.2984           |
| <b>Latitude:</b>            | 45.4486181786064  |
| <b>Longitude:</b>           | -75.5226514344141 |



| Map Key   | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                    | DB                             |
|---|---|----------------------------|------------------|-------------------------|--------------------------------|
| Path:   |   | 151\1518180.pdf            |                  |                         |                                |
| <b><u>Bore Hole Information</u></b>             |   |                            |                  |                         |                                |
| <b>Bore Hole ID:</b>                            | 10040050  |                            |                  | <b>Elevation:</b>       |                                |
| <b>DP2BR:</b>                                   |   |                            |                  | <b>Elevrc:</b>          |                                |
| <b>Spatial Status:</b>                          |   |                            |                  | <b>Zone:</b>            | 18                             |
| <b>Code OB:</b>                                 |   |                            |                  | <b>East83:</b>          | 459129.80                      |
| <b>Code OB Desc:</b>                            |   |                            |                  | <b>North83:</b>         | 5032921.00                     |
| <b>Open Hole:</b>                               |   |                            |                  | <b>Org CS:</b>          |                                |
| <b>Cluster Kind:</b>                            |   |                            |                  | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>                          | 17-Jun-1982 00:00:00  |                            |                  | <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>                            | 931037615   |                            |                  |                         |                                |
| <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>                     | 4.0   |                            |                  |                         |                                |
| <b>Formation End Depth:</b>                     | 83.0  |                            |                  |                         |                                |
| <b>Formation End Depth UOM:</b>                 | ft  |                            |                  |                         |                                |
| <b><u>Overburden and Bedrock</u></b>            |   |                            |                  |                         |                                |
| <b><u>Materials Interval</u></b>                |   |                            |                  |                         |                                |
| <b>Formation ID:</b>                            | 931037614   |                            |                  |                         |                                |
| <b>Layer:</b>                                   | 1   |                            |                  |                         |                                |
| <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>                     | 0.0   |                            |                  |                         |                                |
| <b>Formation End Depth:</b>                     | 4.0   |                            |                  |                         |                                |
| <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>                  | 961518180   |                            |                  |                         |                                |
| <b>Method Construction Code:</b>                | 4   |                            |                  |                         |                                |
| <b>Method Construction:</b>                     | Rotary (Air)  |                            |                  |                         |                                |
| <b>Other Method Construction:</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> |
|----------------|--------------------------|------------------------------------|--------------------------|-------------|-----------|
|----------------|--------------------------|------------------------------------|--------------------------|-------------|-----------|

**Pipe Information**

**Pipe ID:** 10588620  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930069941  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 21.0  
**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:** 991518180  
**Pump Set At:**  
**Static Level:** 13.0  
**Final Level After Pumping:** 80.0  
**Recommended Pump Depth:** 70.0  
**Pumping Rate:** 5.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 5.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934639310  
**Test Type:** Recovery  
**Test Duration:** 45  
**Test Level:** 13.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934897354  
**Test Type:** Recovery  
**Test Duration:** 60  
**Test Level:** 13.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934103499  
**Test Type:** Recovery  
**Test Duration:** 15

| Map Key                                | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site   | DB                   |
|--|-------------------|----------------------------|------------------|--|----------------------|
| <b>Test Level:</b>                     |                   | 20.0                       |                  |  |                      |
| <b>Test Level UOM:</b>                 |                   | ft                         |                  |  |                      |
| <b><u>Draw Down &amp; Recovery</u></b> |                   |                            |                  |  |                      |
| <b>Pump Test Detail ID:</b>            |                   | 934378252                  |                  |  |                      |
| <b>Test Type:</b>                      |                   | Recovery                   |                  |  |                      |
| <b>Test Duration:</b>                  |                   | 30                         |                  |  |                      |
| <b>Test Level:</b>                     |                   | 13.0                       |                  |  |                      |
| <b>Test Level UOM:</b>                 |                   | ft                         |                  |  |                      |
| <b><u>Water Details</u></b>            |                   |                            |                  |  |                      |
| <b>Water ID:</b>                       |                   | 933474839                  |                  |  |                      |
| <b>Layer:</b>                          |                   | 1                          |                  |  |                      |
| <b>Kind Code:</b>                      |                   | 1                          |                  |  |                      |
| <b>Kind:</b>                           |                   | FRESH                      |                  |  |                      |
| <b>Water Found Depth:</b>              |                   | 83.0                       |                  |  |                      |
| <b>Water Found Depth UOM:</b>          |                   | ft                         |                  |  |                      |
| <b><u>Links</u></b>                    |                   |                            |                  |  |                      |
| <b>Bore Hole ID:</b>                   |                   | 10040050                   |                  | <b>Tag No:</b>   |                      |
| <b>Depth M:</b>                        |                   | 25.2984                    |                  | <b>Contractor:</b>   | 1504                 |
| <b>Year Completed:</b>                 |                   | 1982                       |                  | <b>Path:</b>   | 151\1518180.pdf      |
| <b>Well Completed Dt:</b>              |                   | 1982/06/17                 |                  | <b>Latitude:</b>   | 45.4486181786064     |
| <b>Audit No:</b>                       |                   |                            |                  | <b>Longitude:</b>  | -75.5226514344141    |
| <a href="#">62</a>                     | 1 of 1            | WNW/240.6                  | 88.9 / 0.00      | MICHEL LAMARCHE ENTERPRISES INC.<br>PRIVATE<br>MEADOWGLEN DRIVE AT PAGE ROAD<br>GLOUCESTER CITY ON | CA                   |
| <b>Certificate #:</b>                  |                   | 7-1094-89-                 |                  |  |                      |
| <b>Application Year:</b>               |                   | 89                         |                  |  |                      |
| <b>Issue Date:</b>                     |                   | 7/17/1989                  |                  |  |                      |
| <b>Approval Type:</b>                  |                   | Municipal water            |                  |  |                      |
| <b>Status:</b>                         |                   | Approved                   |                  |  |                      |
| <b>Application Type:</b>               |                   |                            |                  |  |                      |
| <b>Client Name:</b>                    |                   |                            |                  |  |                      |
| <b>Client Address:</b>                 |                   |                            |                  |  |                      |
| <b>Client City:</b>                    |                   |                            |                  |  |                      |
| <b>Client Postal Code:</b>             |                   |                            |                  |  |                      |
| <b>Project Description:</b>            |                   |                            |                  |  |                      |
| <b>Contaminants:</b>                   |                   |                            |                  |  |                      |
| <b>Emission Control:</b>               |                   |                            |                  |  |                      |
| <a href="#">63</a>                     | 1 of 1            | WSW/242.3                  | 88.9 / 0.00      | lot 6 con 3<br>ON  | WWIS                 |
| <b>Well ID:</b>                        |                   | 1501422                    |                  | <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>  | 25-May-1961 00:00:00 |
| <b>Water Type:</b>                     |                   |                            |                  | <b>Selected Flag:</b>  | TRUE                 |
| <b>Casing Material:</b>                |                   |                            |                  | <b>Abandonment Rec:</b>  |                      |
| <b>Audit No:</b>                       |                   |                            |                  | <b>Contractor:</b>   | 1629                 |
| <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 Reliability:</b> |                   |                            |                  | <b>Lot:</b>             | 006 |
| <b>Depth to Bedrock:</b>    |                   |                            |                  | <b>Concession:</b>      | 03  |
| <b>Well Depth:</b>          |                   |                            |                  | <b>Concession Name:</b> | OF  |
| <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>        |                   | GLOUCESTER TOWNSHIP        |                  |                         |     |
| <b>Site Info:</b>           |                   |                            |                  |                         |     |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501422.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501422.pdf)

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

**Well Completed Date:** 1961/03/03  
**Year Completed:** 1961  
**Depth (m):** 21.336  
**Latitude:** 45.4456728285032  
**Longitude:** -75.5289412202896  
**Path:** 150\1501422.pdf

**Bore Hole Information**

|                                     |  |                         |                                 |
|-------------------------------------|--|-------------------------|---------------------------------|
| <b>Bore Hole ID:</b>                | 10023465   | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                       |  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>              |  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                     |  | <b>East83:</b>          | 458635.80                       |
| <b>Code OB Desc:</b>                |  | <b>North83:</b>         | 5032597.00                      |
| <b>Open Hole:</b>                   |  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                |  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>              | 03-Mar-1961 00:00:00   | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                     |  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>             | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>            |  |                         |                                 |

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 930991793  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 36.0  
**Formation End Depth:** 70.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 930991792  
**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>                                       |                          | 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>                         |                          | 0.0                                |                          |             |           |
| <b>Formation End Depth:</b>                         |                          | 36.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                      |                          | 961501422                          |                          |             |           |
| <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>                                     |                          | 10572035                           |                          |             |           |
| <b>Casing No:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                                     |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                    |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930039812                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 2                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 70.0                               |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 3.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                            |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930039811                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 36.0                               |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 3.0                                |                          |             |           |
| <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>                                |                          | 991501422                          |                          |             |           |
| <b>Pump Set At:</b>                                 |                          |                                    |                          |             |           |
| <b>Static Level:</b>                                |                          | 2.0                                |                          |             |           |
| <b>Final Level After Pumping:</b>                   |                          | 3.0                                |                          |             |           |
| <b>Recommended Pump Depth:</b>                      |                          | 3.0                                |                          |             |           |
| <b>Pumping Rate:</b>                                |                          | 15.0                               |                          |             |           |
| <b>Flowing Rate:</b>                                |                          |                                    |                          |             |           |
| <b>Recommended Pump Rate:</b>                       |                          | 2.0                                |                          |             |           |

| Map Key                             | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                                | DB |
|-------------------------------------|-------------------|----------------------------|------------------|-------------------------------------|----|
| <b>Levels UOM:</b>                  |                   | ft                         |                  |                                     |    |
| <b>Rate UOM:</b>                    |                   | GPM                        |                  |                                     |    |
| <b>Water State After Test Code:</b> |                   | 1                          |                  |                                     |    |
| <b>Water State After Test:</b>      |                   | CLEAR                      |                  |                                     |    |
| <b>Pumping Test Method:</b>         |                   | 1                          |                  |                                     |    |
| <b>Pumping Duration HR:</b>         |                   | 1                          |                  |                                     |    |
| <b>Pumping Duration MIN:</b>        |                   | 0                          |                  |                                     |    |
| <b>Flowing:</b>                     |                   | No                         |                  |                                     |    |
| <b><u>Water Details</u></b>         |                   |                            |                  |                                     |    |
| <b>Water ID:</b>                    |                   | 933454129                  |                  |                                     |    |
| <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>                |                   | 10023465                   |                  | <b>Tag No:</b>                      |    |
| <b>Depth M:</b>                     |                   | 21.336                     |                  | <b>Contractor:</b> 1629             |    |
| <b>Year Completed:</b>              |                   | 1961                       |                  | <b>Path:</b> 150\1501422.pdf        |    |
| <b>Well Completed Dt:</b>           |                   | 1961/03/03                 |                  | <b>Latitude:</b> 45.4456728285032   |    |
| <b>Audit No:</b>                    |                   |                            |                  | <b>Longitude:</b> -75.5289412202896 |    |

|                          |        |                                |             |   |     |
|--------------------------|--------|--------------------------------|-------------|---|-----|
| <a href="#">64</a>       | 1 of 1 | ENE/243.5                      | 88.9 / 0.00 | Bell<br>3605 Innes Rd<br>Orleans ON K1C 1T1 | GEN |
| <b>Generator No:</b>     |        | ON5017930                      |             | <b>Status:</b> Registered                   |     |
| <b>SIC Code:</b>         |        |                                |             | <b>Co Admin:</b>                            |     |
| <b>SIC Description:</b>  |        |                                |             | <b>Choice of Contact:</b>                   |     |
| <b>Approval Years:</b>   |        | As of Apr 2022                 |             | <b>Phone No Admin:</b>                      |     |
| <b>PO Box No:</b>        |        |                                |             | <b>Contam. Facility:</b>                    |     |
| <b>Country:</b>          |        | Canada                         |             | <b>MHSW Facility:</b>                       |     |
| <b><u>Detail(s)</u></b>  |        |                                |             |   |     |
| <b>Waste Class:</b>      |        | 121 C                          |             |   |     |
| <b>Waste Class Desc:</b> |        | ALKALINE WASTES - HEAVY METALS |             |   |     |
| <b>Waste Class:</b>      |        | 112 C                          |             |   |     |
| <b>Waste Class Desc:</b> |        | ACID WASTE - HEAVY METALS      |             |   |     |

|                            |        |              |              |  |      |
|----------------------------|--------|--------------|--------------|--|------|
| <a href="#">65</a>         | 1 of 1 | SSW/244.5    | 88.6 / -0.31 | lot 6 con 3<br>ON                          | WWIS |
| <b>Well ID:</b>            |        | 1501426      |              | <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> 20-Feb-1962 00:00:00 |      |
| <b>Water Type:</b>         |        |              |              | <b>Selected Flag:</b> TRUE                 |      |
| <b>Casing Material:</b>    |        |              |              | <b>Abandonment Rec:</b>                    |      |
| <b>Audit No:</b>           |        |              |              | <b>Contractor:</b> 1504                    |      |
| <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> 006                            |      |
| <b>Depth to Bedrock:</b>   |        |              |              | <b>Concession:</b> 03                      |      |
| <b>Well Depth:</b>         |        |              |              | <b>Concession Name:</b> OF                 |      |

| Map Key                                  | Number of Records    | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site                    | DB                              |
|--|----------------------|---|------------------|-------------------------|---------------------------------|
| <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>                     |                      | GLOUCESTER TOWNSHIP   |                  |                         |                                 |
| <b>Site Info:</b>                        |                      |   |                  |                         |                                 |
| <b>PDF URL (Map):</b>                    |                      | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501426.pdf |                  |                         |                                 |
| <b><u>Additional Detail(s) (Map)</u></b> |                      |   |                  |                         |                                 |
| <b>Well Completed Date:</b>              |                      | 1961/12/22  |                  |                         |                                 |
| <b>Year Completed:</b>                   |                      | 1961  |                  |                         |                                 |
| <b>Depth (m):</b>                        |                      | 9.7536  |                  |                         |                                 |
| <b>Latitude:</b>                         |                      | 45.4450086953084  |                  |                         |                                 |
| <b>Longitude:</b>                        |                      | -75.5265693684836   |                  |                         |                                 |
| <b>Path:</b>                             |                      | 150\1501426.pdf   |                  |                         |                                 |
| <b><u>Bore Hole Information</u></b>      |                      |   |                  |                         |                                 |
| <b>Bore Hole ID:</b>                     | 10023469             |   |                  | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                            |                      |   |                  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>                   |                      |   |                  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                          |                      |   |                  | <b>East83:</b>          | 458820.80                       |
| <b>Code OB Desc:</b>                     |                      |   |                  | <b>North83:</b>         | 5032522.00                      |
| <b>Open Hole:</b>                        |                      |   |                  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                     |                      |   |                  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>                   | 22-Dec-1961 00:00:00 |   |                  | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                          |                      |   |                  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>                  |                      | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>                     | 930991801            |   |                  |                         |                                 |
| <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>              | 18.0                 |   |                  |                         |                                 |
| <b>Formation End Depth:</b>              | 32.0                 |   |                  |                         |                                 |
| <b>Formation End Depth UOM:</b>          | ft                   |   |                  |                         |                                 |
| <b><u>Overburden and Bedrock</u></b>     |                      |   |                  |                         |                                 |
| <b><u>Materials Interval</u></b>         |                      |   |                  |                         |                                 |
| <b>Formation ID:</b>                     | 930991800            |   |                  |                         |                                 |
| <b>Layer:</b>                            | 1                    |   |                  |                         |                                 |
| <b>Color:</b>                            | 3                    |   |                  |                         |                                 |
| <b>General Color:</b>                    | BLUE                 |   |                  |                         |                                 |
| <b>Mat1:</b>                             | 05                   |   |                  |                         |                                 |

| <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>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>                         |                          | 18.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                      |                          | 961501426                          |                          |             |           |
| <b>Method Construction Code:</b>                    |                          | 7                                  |                          |             |           |
| <b>Method Construction:</b>                         |                          | Diamond                            |                          |             |           |
| <b>Other Method Construction:</b>                   |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                      |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>                                     |                          | 10572039                           |                          |             |           |
| <b>Casing No:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                                     |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                    |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930039819                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 20.0                               |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 2.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                         |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                            |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930039820                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 2                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 32.0                               |                          |             |           |
| <b>Casing Diameter:</b>                             |                          | 2.0                                |                          |             |           |
| <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>                                |                          | 991501426                          |                          |             |           |
| <b>Pump Set At:</b>                                 |                          |                                    |                          |             |           |
| <b>Static Level:</b>                                |                          | 2.0                                |                          |             |           |
| <b>Final Level After Pumping:</b>                   |                          | 20.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>                      |                          | 20.0                               |                          |             |           |
| <b>Pumping Rate:</b>                                |                          | 12.0                               |                          |             |           |
| <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>                 |                          | 1                                  |                          |             |           |



| Map Key                        | Number of Records | Direction/<br>Distance (m)     | Elev/Diff<br>(m)   | Site   | DB                |
|--------------------------------|-------------------|--------------------------------|--------------------|--|-------------------|
| <b>Water State After Test:</b> |                   | CLEAR                          |                    |  |                   |
| <b>Pumping Test Method:</b>    |                   | 1                              |                    |  |                   |
| <b>Pumping Duration HR:</b>    |                   | 1                              |                    |  |                   |
| <b>Pumping Duration MIN:</b>   |                   | 0                              |                    |  |                   |
| <b>Flowing:</b>                |                   | No                             |                    |  |                   |
| <b><u>Water Details</u></b>    |                   |                                |                    |  |                   |
| <b>Water ID:</b>               |                   | 933454133                      |                    |  |                   |
| <b>Layer:</b>                  |                   | 1                              |                    |  |                   |
| <b>Kind Code:</b>              |                   | 1                              |                    |  |                   |
| <b>Kind:</b>                   |                   | FRESH                          |                    |  |                   |
| <b>Water Found Depth:</b>      |                   | 32.0                           |                    |  |                   |
| <b>Water Found Depth UOM:</b>  |                   | ft                             |                    |  |                   |
| <b><u>Links</u></b>            |                   |                                |                    |  |                   |
| <b>Bore Hole ID:</b>           |                   | 10023469                       |                    | <b>Tag No:</b>   |                   |
| <b>Depth M:</b>                |                   | 9.7536                         |                    | <b>Contractor:</b>   | 1504              |
| <b>Year Completed:</b>         |                   | 1961                           |                    | <b>Path:</b>   | 150\1501426.pdf   |
| <b>Well Completed Dt:</b>      |                   | 1961/12/22                     |                    | <b>Latitude:</b>   | 45.4450086953084  |
| <b>Audit No:</b>               |                   |                                |                    | <b>Longitude:</b>  | -75.5265693684836 |
| <a href="#">66</a>             | 1 of 9            | <b>ENE/247.2</b>               | <b>88.9 / 0.00</b> | <b>BELL CANADA<br/>3605 INNIS ROAD<br/>CUMBERLAND TWP. ON K1C 1T1</b>            | <b>GEN</b>        |
| <b>Generator No:</b>           |                   | ON0473533                      |                    | <b>Status:</b>   |                   |
| <b>SIC Code:</b>               |                   | 4821                           |                    | <b>Co Admin:</b>   |                   |
| <b>SIC Description:</b>        |                   | TELECOMMUN. CARRIERS           |                    | <b>Choice of Contact:</b>  |                   |
| <b>Approval Years:</b>         |                   | 97,98,99,00,02,03,04           |                    | <b>Phone No Admin:</b>   |                   |
| <b>PO Box No:</b>              |                   |                                |                    | <b>Contam. Facility:</b>   |                   |
| <b>Country:</b>                |                   |                                |                    | <b>MHSW Facility:</b>  |                   |
| <b><u>Detail(s)</u></b>        |                   |                                |                    |  |                   |
| <b>Waste Class:</b>            |                   | 146                            |                    |  |                   |
| <b>Waste Class Desc:</b>       |                   | OTHER SPECIFIED INORGANICS     |                    |  |                   |
| <b>Waste Class:</b>            |                   | 121                            |                    |  |                   |
| <b>Waste Class Desc:</b>       |                   | ALKALINE WASTES - HEAVY METALS |                    |  |                   |
| <a href="#">66</a>             | 2 of 9            | <b>ENE/247.2</b>               | <b>88.9 / 0.00</b> | <b>BELL (OUT OF BUSINESS)<br/>3605 INNIS ROAD<br/>CUMBERLAND TWP. ON K1C 1T1</b> | <b>GEN</b>        |
| <b>Generator No:</b>           |                   | ON0473533                      |                    | <b>Status:</b>   |                   |
| <b>SIC Code:</b>               |                   | 4821                           |                    | <b>Co Admin:</b>   |                   |
| <b>SIC Description:</b>        |                   | TELECOMMUN. CARRIERS           |                    | <b>Choice of Contact:</b>  |                   |
| <b>Approval Years:</b>         |                   | 01                             |                    | <b>Phone No Admin:</b>   |                   |
| <b>PO Box No:</b>              |                   |                                |                    | <b>Contam. Facility:</b>   |                   |
| <b>Country:</b>                |                   |                                |                    | <b>MHSW Facility:</b>  |                   |
| <b><u>Detail(s)</u></b>        |                   |                                |                    |  |                   |
| <b>Waste Class:</b>            |                   | 146                            |                    |  |                   |
| <b>Waste Class Desc:</b>       |                   | OTHER SPECIFIED INORGANICS     |                    |  |                   |
| <b>Waste Class:</b>            |                   | 121                            |                    |  |                   |
| <b>Waste Class Desc:</b>       |                   | ALKALINE WASTES - HEAVY METALS |                    |  |                   |

| Map Key  | Number of Records | Direction/ Distance (m)  | Elev/Diff (m) | Site  | DB  |
|--|-------------------|--|---------------|---|-----|
| <a href="#">66</a>   | 3 of 9            | ENE/247.2  | 88.9 / 0.00   | BELL CANADA<br>3605 INNIS<br>ORLEANS ON K1C 1T1 | GEN |
| <b>Generator No:</b> ON4745213<br><b>SIC Code:</b><br><b>SIC Description:</b><br><b>Approval Years:</b> 05<br><b>PO Box No:</b><br><b>Country:</b> |                   | <b>Status:</b><br><b>Co Admin:</b><br><b>Choice of Contact:</b><br><b>Phone No Admin:</b><br><b>Contam. Facility:</b><br><b>MHSW Facility:</b> |               |   |     |
| <b><u>Detail(s)</u></b>  |                   |  |               |   |     |
| <b>Waste Class:</b> 221  |                   |  |               |   |     |
| <b>Waste Class Desc:</b> LIGHT FUELS   |                   |  |               |   |     |
| <b>Waste Class:</b> 251  |                   |  |               |   |     |
| <b>Waste Class Desc:</b> OIL SKIMMINGS & SLUDGES   |                   |  |               |   |     |
| <b>Waste Class:</b> 252  |                   |  |               |   |     |
| <b>Waste Class Desc:</b> WASTE OILS & LUBRICANTS   |                   |  |               |   |     |

|   |        |   |             |  |      |
|---|--------|---|-------------|--|------|
| <a href="#">66</a>  | 4 of 9 | ENE/247.2   | 88.9 / 0.00 | Bell Canada<br>Innis Rd 3605, Orleans ON<br>ORLEANS ON | DTNK |
| <b><u>Delisted Commercial Fuel Oil Tanks</u></b>  |        |   |             |  |      |
| <b>Licence No:</b><br><b>Registration No:</b> 200204-1519<br><b>Posse File No:</b> FS OIL 2006-00410<br><b>Posse Reg No:</b><br><b>Instance No:</b><br><b>Status Name:</b><br><b>Tank Type:</b><br><b>Tank Size:</b> 4546 L<br><b>Tank Material:</b> Fiberglass reinforced plastic<br><b>Tk Age(as of 05/1992):</b> 12 yrs<br><b>Tank Address:</b> Innis Rd 3605, Orleans ON<br><b>Instance Type:</b><br><b>Instance Creation Dt:</b><br><b>Instance Install Dt:</b><br><b>Item:</b><br><b>Item Desc:</b><br><b>Device Instld Loc:</b><br><b>Description:</b><br><b>Original Source:</b> CFOT<br><b>Record Date:</b> Up to Apr 2013 |        | <b>Facility Type:</b><br><b>Fuel Type:</b><br><b>Corrosion Protection:</b><br><b>NBR:</b><br><b>Contact Name:</b> c/o Alain Naud<br><b>Contact Address:</b> 3685 Aylmer - Bureau 200<br><b>Contact Address2:</b><br><b>Contact Suite:</b><br><b>Contact City:</b> Montreal<br><b>Contact Prov:</b> QC<br><b>Contact Postal:</b> H2X 2C5<br><b>Province:</b><br><b>Letter Sent:</b><br><b>Context:</b><br><b>Distributor:</b> Esso<br><b>Comments:</b> |             |  |      |

|   |        |           |             |   |    |
|---|--------|-----------|-------------|---|----|
| <a href="#">66</a>  | 5 of 9 | ENE/247.2 | 88.9 / 0.00 | Bell Canada<br>3605 Innes Road<br>Ottawa ON K1C 1T1 | CA |
| <b>Certificate #:</b> 7407-5V5LMA<br><b>Application Year:</b> 2004<br><b>Issue Date:</b> 1/12/2004<br><b>Approval Type:</b> Air<br><b>Status:</b> Approved<br><b>Application Type:</b><br><b>Client Name:</b> |        |           |             |   |    |

| Map Key  | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site  | DB   |
|--|-------------------|-------------------------|---------------|---|------|
| <a href="#">66</a>   | 6 of 9            | ENE/247.2               | 88.9 / 0.00   | BELL CANADA<br>3605 INNES RD OTTAWA K1C 1T1 ON CA<br>ON | CFOT |
| <p>Client Address:<br/>Client City:<br/>Client Postal Code:<br/>Project Description:<br/>Contaminants:<br/>Emission Control:</p>   |                   |                         |               |   |      |
| <p><b>Licence No:</b><br/><b>Registration No:</b><br/><b>Posse File No:</b><br/><b>Posse Reg No:</b><br/><b>Status Name:</b><br/><b>Tank Type:</b> Double Wall UST<br/><b>Tank Size:</b> 10000<br/><b>Tank Material:</b> Fiberglass (FRP)<br/><b>Instance No:</b> 43536831<br/><b>Inst Creation Date:</b> 6/28/2006<br/><b>Inst Install Date:</b> 6/28/2006<br/><b>Item:</b> FS FUEL OIL TANK<br/><b>Tank Age (as of 05/1992):</b><br/><b>Device Installed Location:</b> 3605 INNES RD OTTAWA K1C 1T1 ON CA<br/><b>Description:</b> NULL<br/><b>Contact Name:</b><br/><b>Contact Address:</b><br/><b>Contact Address2:</b><br/><b>Contact Suite:</b><br/><b>Contact City:</b><br/><b>Contact Prov:</b><br/><b>Contact Postal:</b></p> <p><b>Item Description:</b> Fuel Oil Tank<br/><b>Instance Type:</b><br/><b>Facility Type:</b><br/><b>Fuel Type:</b><br/><b>Distributor:</b><br/><b>Letter Sent:</b><br/><b>Comments:</b><br/><b>Corrosion Protect:</b><br/><b>Province:</b><br/><b>Nbr:</b><br/><b>Context:</b> FS Fuel Oil Tank</p> |                   |                         |               |   |      |
| <a href="#">66</a>   | 7 of 9            | ENE/247.2               | 88.9 / 0.00   | Bell Canada<br>3605 Innes Road<br>Ottawa ON K1C 1T1     | ECA  |
| <p><b>Approval No:</b> 7407-5V5LMA<br/><b>Approval Date:</b> 2004-01-12<br/><b>Status:</b> Approved<br/><b>Record Type:</b> ECA<br/><b>Link Source:</b> IDS<br/><b>SWP Area Name:</b> Rideau Valley<br/><b>Approval Type:</b> ECA-AIR<br/><b>Project Type:</b> AIR<br/><b>Business Name:</b> Bell Canada<br/><b>Address:</b> 3605 Innes Road<br/><b>Full Address:</b><br/><b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/2186-5TGRNR-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/2186-5TGRNR-14.pdf</a><br/><b>PDF Site Location:</b></p> <p><b>MOE District:</b> Ottawa<br/><b>City:</b><br/><b>Longitude:</b> -75.52272<br/><b>Latitude:</b> 45.449066<br/><b>Geometry X:</b><br/><b>Geometry Y:</b></p>   |                   |                         |               |   |      |
| <a href="#">66</a>   | 8 of 9            | ENE/247.2               | 88.9 / 0.00   | BELL CANADA<br>3605 INNES RD OTTAWA K1C 1T1 ON CA<br>ON | DTNK |
| <p><b>Delisted Fuel Storage Tank</b></p> <p><b>Instance No:</b> 43536831<br/><b>Creation Date:</b> 7/5/2009 2:57:53 AM</p>   |                   |                         |               |   |      |

| Map Key                         | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                         | DB                                 |
|---------------------------------|-------------------|----------------------------|------------------|------------------------------|------------------------------------|
| <b>Status:</b>                  | Active            |                            |                  | <b>Overfill Prot Type:</b>   |                                    |
| <b>Instance Type:</b>           |                   |                            |                  | <b>Facility Location:</b>    | 3605 INNES RD OTTAWA K1C 1T1 ON CA |
| <b>Fuel Type:</b>               |                   |                            |                  | <b>Piping SW Steel:</b>      |                                    |
| <b>Cont Name:</b>               |                   |                            |                  | <b>Piping SW Galvan:</b>     |                                    |
| <b>Capacity:</b>                | 10000             |                            |                  | <b>Tanks SW Steel:</b>       |                                    |
| <b>Tank Material:</b>           | Fiberglass (FRP)  |                            |                  | <b>Piping Underground:</b>   |                                    |
| <b>Corrosion Prot:</b>          | NULL              |                            |                  | <b>No Underground:</b>       |                                    |
| <b>Tank Type:</b>               | Double Wall UST   |                            |                  | <b>Max Hazard Rank:</b>      | NULL                               |
| <b>Install Year:</b>            | 2005              |                            |                  | <b>Max Hazard Rank 1:</b>    | NULL                               |
| <b>Facility Type:</b>           | FS FUEL OIL TANK  |                            |                  | <b>Nxt Period Start Dt:</b>  | NULL                               |
| <b>Device Installed Loc:</b>    |                   |                            |                  | <b>Program Area 1:</b>       | NULL                               |
| <b>Fuel Type 2:</b>             |                   |                            |                  | <b>Program Area 2:</b>       | NULL                               |
| <b>Fuel Type 3:</b>             |                   |                            |                  | <b>Nxt Period Strt Dt 2:</b> | NULL                               |
| <b>Item:</b>                    |                   |                            |                  | <b>Risk Based Periodic:</b>  | NULL                               |
| <b>Item Description:</b>        | Fuel Oil Tank     |                            |                  | <b>Vol of Directives:</b>    | NULL                               |
| <b>Model:</b>                   | NULL              |                            |                  | <b>Years in Service:</b>     | 4.8                                |
| <b>Description:</b>             | NULL              |                            |                  | <b>Created Date:</b>         | 28-JUN-06                          |
| <b>Instance Creation Dt:</b>    | 6/28/2006         |                            |                  | <b>Federal Device:</b>       | NULL                               |
| <b>Instance Install Dt:</b>     | 6/28/2006         |                            |                  | <b>Periodic Exempt:</b>      | NULL                               |
| <b>Manufacturer:</b>            | NULL              |                            |                  | <b>Statutory Interval:</b>   | NULL                               |
| <b>Serial No:</b>               | NULL              |                            |                  | <b>Rcomnd Insp Interval:</b> | NULL                               |
| <b>ULC Standard:</b>            | ULC-s615          |                            |                  | <b>Recommended Toler:</b>    | NULL                               |
| <b>Quantity:</b>                | 1                 |                            |                  | <b>Panam Venue Name:</b>     | NULL                               |
| <b>Unit of Measure:</b>         | EA                |                            |                  | <b>External Identifier:</b>  | NULL                               |
| <b>Parent Fac Type:</b>         |                   |                            |                  |                              |                                    |
| <b>TSSA Base Sched Cycle 1:</b> | NULL              |                            |                  |                              |                                    |
| <b>TSSA Base Sched Cycle 2:</b> | NULL              |                            |                  |                              |                                    |
| <b>Original Source:</b>         | FST               |                            |                  |                              |                                    |
| <b>Record Date:</b>             | 31-MAY-2021       |                            |                  |                              |                                    |

[66](#)    9 of 9    **ENE/247.2**    **88.9 / 0.00**    **Bell**  
**3605 Innes Rd**  
**Orleans ON K1C 1T1**    **GEN**

|                         |                |                           |            |
|-------------------------|----------------|---------------------------|------------|
| <b>Generator No:</b>    | ON5017930      | <b>Status:</b>            | Registered |
| <b>SIC Code:</b>        |                | <b>Co Admin:</b>          |            |
| <b>SIC Description:</b> |                | <b>Choice of Contact:</b> |            |
| <b>Approval Years:</b>  | As of Nov 2021 | <b>Phone No Admin:</b>    |            |
| <b>PO Box No:</b>       |                | <b>Contam. Facility:</b>  |            |
| <b>Country:</b>         | Canada         | <b>MHSW Facility:</b>     |            |

**Detail(s)**

**Waste Class:** 121 C  
**Waste Class Desc:** Alkaline slutions - containing heavy metals

**Waste Class:** 112 C  
**Waste Class Desc:** Acid solutions - containing heavy metals

[67](#)    1 of 1    **ENE/248.2**    **88.9 / 0.00**    **lot 5 con 3**  
**ON**    **WWIS**

|                           |              |                           |                      |
|---------------------------|--------------|---------------------------|----------------------|
| <b>Well ID:</b>           | 1501414      | <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>     | 05-Sep-1962 00:00:00 |
| <b>Water Type:</b>        |              | <b>Selected Flag:</b>     | TRUE                 |
| <b>Casing Material:</b>   |              | <b>Abandonment Rec:</b>   |                      |
| <b>Audit No:</b>          |              | <b>Contractor:</b>        | 1504                 |
| <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 Reliability:</b> |                   |                            |                  | <b>Lot:</b>             | 005 |
| <b>Depth to Bedrock:</b>    |                   |                            |                  | <b>Concession:</b>      | 03  |
| <b>Well Depth:</b>          |                   |                            |                  | <b>Concession Name:</b> | OF  |
| <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>        |                   | GLOUCESTER TOWNSHIP        |                  |                         |     |
| <b>Site Info:</b>           |                   |                            |                  |                         |     |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501414.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501414.pdf)

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

**Well Completed Date:** 1962/07/24  
**Year Completed:** 1962  
**Depth (m):** 10.0584  
**Latitude:** 45.4484489757761  
**Longitude:** -75.5222534422482  
**Path:** 150\1501414.pdf

**Bore Hole Information**

|                                     |  |                         |                                 |
|-------------------------------------|--|-------------------------|---------------------------------|
| <b>Bore Hole ID:</b>                | 10023457   | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                       |  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>              |  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                     |  | <b>East83:</b>          | 459160.80                       |
| <b>Code OB Desc:</b>                |  | <b>North83:</b>         | 5032902.00                      |
| <b>Open Hole:</b>                   |  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                |  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>              | 24-Jul-1962 00:00:00   | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                     |  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>             | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>            |  |                         |                                 |

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 930991774  
**Layer:** 1  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 33.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well**

**Use**

**Method Construction ID:** 961501414  
**Method Construction Code:** 7

| <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:</b>                 |                          | Diamond                            |                          |             |           |
| <b>Other Method Construction:</b>           |                          |                                    |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>              |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>                             |                          | 10572027                           |                          |             |           |
| <b>Casing No:</b>                           |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                             |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                            |                          |                                    |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930039799                          |                          |             |           |
| <b>Layer:</b>                               |                          | 2                                  |                          |             |           |
| <b>Material:</b>                            |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 33.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 2.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930039798                          |                          |             |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Material:</b>                            |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 8.0                                |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 2.0                                |                          |             |           |
| <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>                        |                          | 991501414                          |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          | 4.0                                |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          | 20.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          | 20.0                               |                          |             |           |
| <b>Pumping Rate:</b>                        |                          | 9.0                                |                          |             |           |
| <b>Flowing Rate:</b>                        |                          |                                    |                          |             |           |
| <b>Recommended Pump Rate:</b>               |                          | 9.0                                |                          |             |           |
| <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>                 |                          | 2                                  |                          |             |           |
| <b>Pumping Duration MIN:</b>                |                          | 0                                  |                          |             |           |
| <b>Flowing:</b>                             |                          | No                                 |                          |             |           |
| <br>  |                          |                                    |                          |             |           |
| <b><u>Water Details</u></b>                 |                          |                                    |                          |             |           |
| <b>Water ID:</b>                            |                          | 933454121                          |                          |             |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Kind Code:</b>                           |                          | 1                                  |                          |             |           |
| <b>Kind:</b>                                |                          | FRESH                              |                          |             |           |
| <b>Water Found Depth:</b>                   |                          | 33.0                               |                          |             |           |
| <b>Water Found Depth UOM:</b>               |                          | ft                                 |                          |             |           |

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

**Links**

|                           |            |                    |                   |
|---------------------------|------------|--------------------|-------------------|
| <b>Bore Hole ID:</b>      | 10023457   | <b>Tag No:</b>     |                   |
| <b>Depth M:</b>           | 10.0584    | <b>Contractor:</b> | 1504              |
| <b>Year Completed:</b>    | 1962       | <b>Path:</b>       | 150\1501414.pdf   |
| <b>Well Completed Dt:</b> | 1962/07/24 | <b>Latitude:</b>   | 45.4484489757761  |
| <b>Audit No:</b>          |            | <b>Longitude:</b>  | -75.5222534422482 |

[68](#)    1 of 1    WSW/249.2    88.9 / 0.00    ON    **BORE**

|                            |                |                           |                |
|----------------------------|----------------|---------------------------|----------------|
| <b>Borehole ID:</b>        | 615202         | <b>Inclin FLG:</b>        | No             |
| <b>OGF ID:</b>             | 215516144      | <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> | 1.2            | <b>Lot:</b>               |                |
| <b>Primary Water Use:</b>  |                | <b>Township:</b>          |                |
| <b>Sec. Water Use:</b>     |                | <b>Latitude DD:</b>       | 45.44563       |
| <b>Total Depth m:</b>      | -999           | <b>Longitude DD:</b>      | -75.529005     |
| <b>Depth Ref:</b>          | Ground Surface | <b>UTM Zone:</b>          | 18             |
| <b>Depth Elev:</b>         |                | <b>Easting:</b>           | 458631         |
| <b>Drill Method:</b>       |                | <b>Northing:</b>          | 5032592        |
| <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>  | 89.7           |                           |                |
| <b>Concession:</b>         |                |                           |                |
| <b>Location D:</b>         |                |                           |                |
| <b>Survey D:</b>           |                |                           |                |
| <b>Comments:</b>           |                |                           |                |

**Borehole Geology Stratum**

|                                  |   |                            |       |
|----------------------------------|---|----------------------------|-------|
| <b>Geology Stratum ID:</b>       | 218400814   | <b>Mat Consistency:</b>    |       |
| <b>Top Depth:</b>                | 0   | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 11  | <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>       | 218400815   | <b>Mat Consistency:</b>    | Loose |
| <b>Top Depth:</b>                | 11  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             |   | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           |   | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Bedrock   | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Limestone   | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |   | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |   | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |   |                            |       |
| <b>Stratum Description:</b>      | BEDROCK. WATER STABLE AT 291.0 FEET.LOOSE. BEDROCK. 10DROCK. BEDROCK. BEDROCK. WAT<br>**Note: Many records provided by the department have a truncated [Stratum Description] field. |                            |       |

**Source**

|                     |                             |                     |                 |
|---------------------|-----------------------------|---------------------|-----------------|
| <b>Source Type:</b> | Data Survey                 | <b>Source Appl:</b> | Spatial/Tabular |
| <b>Source Orig:</b> | Geological Survey of Canada | <b>Source Iden:</b> | 1               |

| Map Key  | Number of Records  | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site   | DB   |
|--|--|---|------------------|--|--|
| <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>   | 1956-1972<br>M   |   |                  | <b>Scale or Res:</b><br><b>Horizontal:</b><br><b>Verticalda:</b>   | 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  |   |                  | <b>Horizontal Datum:</b><br><b>Vertical Datum:</b><br><b>Projection Name:</b>  | NAD27<br>Mean Average Sea Level<br>Universal Transverse Mercator                             |
| <a href="#">69</a>   | 1 of 2   | E/250.6   | 88.9 / 0.00      | <b>Halo Car Wash Inc.</b><br><b>3604 Innes Road</b><br><b>Ottawa ON K0C 1T0</b>  | ECA  |
| <b>Approval No:</b><br><b>Approval Date:</b><br><b>Status:</b><br><b>Record Type:</b><br><b>Link Source:</b><br><b>SWP Area Name:</b><br><b>Approval Type:</b><br><b>Project Type:</b><br><b>Business Name:</b><br><b>Address:</b><br><b>Full Address:</b><br><b>Full PDF Link:</b><br><b>PDF Site Location:</b> | 2354-BLCQK8<br>2020-02-04<br>Approved<br>ECA<br>IDS  |   |                  | <b>MOE District:</b><br><b>City:</b><br><b>Longitude:</b><br><b>Latitude:</b><br><b>Geometry X:</b><br><b>Geometry Y:</b>  |  |
|  |  | ECA-INDUSTRIAL SEWAGE WORKS   |                  |  |  |
|  |  | INDUSTRIAL SEWAGE WORKS   |                  |  |  |
|  |  | Halo Car Wash Inc.  |                  |  |  |
|  |  | 3604 Innes Road   |                  |  |  |
|  |  | <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/5474-BB4P6A-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/5474-BB4P6A-14.pdf</a>                                       |                  |  |  |
| <a href="#">69</a>   | 2 of 2   | E/250.6   | 88.9 / 0.00      | <b>GLENVIEW HOMES (INNES) LTD.</b><br><b>3604 Innes RD</b><br><b>Ottawa ON K1C 1T1</b>   | EASR   |
| <b>Approval No:</b><br><b>Status:</b><br><b>Date:</b><br><b>Record Type:</b><br><b>Link Source:</b><br><b>Project Type:</b><br><b>Full Address:</b><br><b>Approval Type:</b><br><b>SWP Area Name:</b><br><b>PDF URL:</b><br><b>PDF Site Location:</b>  | R-009-6161605354<br>REGISTERED<br>February 4, 2022<br>EASR<br>MOFA<br>Water Taking - Construction Dewatering |   |                  | <b>MOE District:</b><br><b>Municipality:</b><br><b>Latitude:</b><br><b>Longitude:</b><br><b>Geometry X:</b><br><b>Geometry Y:</b>  | Ottawa<br>Ottawa<br>45.44777778<br>-75.52194444<br>-8407064.3992999997<br>5692292.5612000003 |
|  |  | EASR-Water Taking - Construction Dewatering   |                  |  |  |
|  |  | Rideau Valley   |                  |  |  |
|  |  | <a href="http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2568751">http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2568751</a> |                  |  |  |
|  |  | 3604 Innes Road   |                  |  |  |
|  |  | Ottawa ON K1C 1T1   |                  |  |  |
| <a href="#">70</a>   | 1 of 1   | W/254.5   | 89.9 / 1.00      | <b>lot 6 con 2</b><br><b>ON</b>  | WWIS   |
| <b>Well ID:</b><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>   | 1510727<br><br>Domestic<br>0<br>Water Supply   |   |                  | <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><br><b>Selected Flag:</b><br><b>Abandonment Rec:</b> | 1<br>30-Jul-1970 00:00:00<br>TRUE  |



| Map Key                     | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                    | DB              |
|-----------------------------|-------------------|----------------------------|------------------|-------------------------|-----------------|
| <b>Audit No:</b>            |                   |                            |                  | <b>Contractor:</b>      | 1504            |
| <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>             | 006             |
| <b>Depth to Bedrock:</b>    |                   |                            |                  | <b>Concession:</b>      | 02              |
| <b>Well Depth:</b>          |                   |                            |                  | <b>Concession Name:</b> | OF              |
| <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>        |                   | GLOUCESTER TOWNSHIP        |                  |                         |                 |
| <b>Site Info:</b>           |                   |                            |                  |                         |                 |

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/151\1510727.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510727.pdf)

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

**Well Completed Date:** 1969/07/31  
**Year Completed:** 1969  
**Depth (m):** 9.144  
**Latitude:** 45.4476917908786  
**Longitude:** -75.5303028171503  
**Path:** 151\1510727.pdf

**Bore Hole Information**

|                                     |   |                         |                                |
|-------------------------------------|---|-------------------------|--------------------------------|
| <b>Bore Hole ID:</b>                | 10032744  | <b>Elevation:</b>       |                                |
| <b>DP2BR:</b>                       |   | <b>Elevrc:</b>          |                                |
| <b>Spatial Status:</b>              |   | <b>Zone:</b>            | 18                             |
| <b>Code OB:</b>                     |   | <b>East83:</b>          | 458530.80                      |
| <b>Code OB Desc:</b>                |   | <b>North83:</b>         | 5032822.00                     |
| <b>Open Hole:</b>                   |   | <b>Org CS:</b>          |                                |
| <b>Cluster Kind:</b>                |   | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>              | 31-Jul-1969 00:00:00  | <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>            |   |                         |                                |

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931015671  
**Layer:** 1  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 30.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well**

| <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>Use</u></b>                           |                          |                                |                      |             |           |
| <i>Method Construction ID:</i>              |                          | 961510727                      |                      |             |           |
| <i>Method Construction Code:</i>            |                          | 7                              |                      |             |           |
| <i>Method Construction:</i>                 |                          | Diamond                        |                      |             |           |
| <i>Other Method Construction:</i>           |                          |                                |                      |             |           |
| <b><u>Pipe Information</u></b>              |                          |                                |                      |             |           |
| <i>Pipe ID:</i>                             |                          | 10581314                       |                      |             |           |
| <i>Casing No:</i>                           |                          | 1                              |                      |             |           |
| <i>Comment:</i>                             |                          |                                |                      |             |           |
| <i>Alt Name:</i>                            |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                |                      |             |           |
| <i>Casing ID:</i>                           |                          | 930058054                      |                      |             |           |
| <i>Layer:</i>                               |                          | 1                              |                      |             |           |
| <i>Material:</i>                            |                          | 2                              |                      |             |           |
| <i>Open Hole or Material:</i>               |                          | GALVANIZED                     |                      |             |           |
| <i>Depth From:</i>                          |                          |                                |                      |             |           |
| <i>Depth To:</i>                            |                          | 15.0                           |                      |             |           |
| <i>Casing Diameter:</i>                     |                          | 2.0                            |                      |             |           |
| <i>Casing Diameter UOM:</i>                 |                          | inch                           |                      |             |           |
| <i>Casing Depth UOM:</i>                    |                          | ft                             |                      |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                |                      |             |           |
| <i>Casing ID:</i>                           |                          | 930058055                      |                      |             |           |
| <i>Layer:</i>                               |                          | 2                              |                      |             |           |
| <i>Material:</i>                            |                          | 4                              |                      |             |           |
| <i>Open Hole or Material:</i>               |                          | OPEN HOLE                      |                      |             |           |
| <i>Depth From:</i>                          |                          |                                |                      |             |           |
| <i>Depth To:</i>                            |                          | 30.0                           |                      |             |           |
| <i>Casing Diameter:</i>                     |                          |                                |                      |             |           |
| <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>                        |                          | 991510727                      |                      |             |           |
| <i>Pump Set At:</i>                         |                          |                                |                      |             |           |
| <i>Static Level:</i>                        |                          | 5.0                            |                      |             |           |
| <i>Final Level After Pumping:</i>           |                          | 20.0                           |                      |             |           |
| <i>Recommended Pump Depth:</i>              |                          | 25.0                           |                      |             |           |
| <i>Pumping Rate:</i>                        |                          | 10.0                           |                      |             |           |
| <i>Flowing Rate:</i>                        |                          |                                |                      |             |           |
| <i>Recommended Pump Rate:</i>               |                          | 6.0                            |                      |             |           |
| <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>                 |                          | 2                              |                      |             |           |
| <i>Pumping Duration MIN:</i>                |                          | 0                              |                      |             |           |
| <i>Flowing:</i>                             |                          | No                             |                      |             |           |
| <b><u>Draw Down &amp; Recovery</u></b>      |                          |                                |                      |             |           |
| <i>Pump Test Detail ID:</i>                 |                          | 934380053                      |                      |             |           |
| <i>Test Type:</i>                           |                          | Draw Down                      |                      |             |           |

| Map Key                                | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site               | DB                |
|--|-------------------|----------------------------|------------------|--------------------|-------------------|
| <b>Test Duration:</b>                  |                   | 30                         |                  |                    |                   |
| <b>Test Level:</b>                     |                   | 20.0                       |                  |                    |                   |
| <b>Test Level UOM:</b>                 |                   | ft                         |                  |                    |                   |
| <b><u>Draw Down &amp; Recovery</u></b> |                   |                            |                  |                    |                   |
| <b>Pump Test Detail ID:</b>            |                   | 934641629                  |                  |                    |                   |
| <b>Test Type:</b>                      |                   | Draw Down                  |                  |                    |                   |
| <b>Test Duration:</b>                  |                   | 45                         |                  |                    |                   |
| <b>Test Level:</b>                     |                   | 20.0                       |                  |                    |                   |
| <b>Test Level UOM:</b>                 |                   | ft                         |                  |                    |                   |
| <b><u>Draw Down &amp; Recovery</u></b> |                   |                            |                  |                    |                   |
| <b>Pump Test Detail ID:</b>            |                   | 934097318                  |                  |                    |                   |
| <b>Test Type:</b>                      |                   | Draw Down                  |                  |                    |                   |
| <b>Test Duration:</b>                  |                   | 15                         |                  |                    |                   |
| <b>Test Level:</b>                     |                   | 20.0                       |                  |                    |                   |
| <b>Test Level UOM:</b>                 |                   | ft                         |                  |                    |                   |
| <b><u>Draw Down &amp; Recovery</u></b> |                   |                            |                  |                    |                   |
| <b>Pump Test Detail ID:</b>            |                   | 934897997                  |                  |                    |                   |
| <b>Test Type:</b>                      |                   | Draw Down                  |                  |                    |                   |
| <b>Test Duration:</b>                  |                   | 60                         |                  |                    |                   |
| <b>Test Level:</b>                     |                   | 20.0                       |                  |                    |                   |
| <b>Test Level UOM:</b>                 |                   | ft                         |                  |                    |                   |
| <b><u>Water Details</u></b>            |                   |                            |                  |                    |                   |
| <b>Water ID:</b>                       |                   | 933465762                  |                  |                    |                   |
| <b>Layer:</b>                          |                   | 1                          |                  |                    |                   |
| <b>Kind Code:</b>                      |                   | 1                          |                  |                    |                   |
| <b>Kind:</b>                           |                   | FRESH                      |                  |                    |                   |
| <b>Water Found Depth:</b>              |                   | 30.0                       |                  |                    |                   |
| <b>Water Found Depth UOM:</b>          |                   | ft                         |                  |                    |                   |
| <b><u>Links</u></b>                    |                   |                            |                  |                    |                   |
| <b>Bore Hole ID:</b>                   |                   | 10032744                   |                  | <b>Tag No:</b>     |                   |
| <b>Depth M:</b>                        |                   | 9.144                      |                  | <b>Contractor:</b> | 1504              |
| <b>Year Completed:</b>                 |                   | 1969                       |                  | <b>Path:</b>       | 151\1510727.pdf   |
| <b>Well Completed Dt:</b>              |                   | 1969/07/31                 |                  | <b>Latitude:</b>   | 45.4476917908786  |
| <b>Audit No:</b>                       |                   |                            |                  | <b>Longitude:</b>  | -75.5303028171503 |

|                            |        |                |             |                      |               |
|----------------------------|--------|----------------|-------------|----------------------|---------------|
| <a href="#">71</a>         | 1 of 1 | W/254.6        | 89.9 / 1.00 | ON                   | BORE          |
| <b>Borehole ID:</b>        |        | 615228         |             | <b>Inclin FLG:</b>   | No            |
| <b>OGF ID:</b>             |        | 215516170      |             | <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>    |        | JUL-1969       |             | <b>Municipality:</b> |               |
| <b>Static Water Level:</b> |        | 10.2           |             | <b>Lot:</b>          |               |
| <b>Primary Water Use:</b>  |        |                |             | <b>Township:</b>     |               |
| <b>Sec. Water Use:</b>     |        |                |             | <b>Latitude DD:</b>  | 45.447694     |
| <b>Total Depth m:</b>      |        | 9.1            |             | <b>Longitude DD:</b> | -75.530304    |
| <b>Depth Ref:</b>          |        | Ground Surface |             | <b>UTM Zone:</b>     | 18            |
| <b>Depth Elev:</b>         |        |                |             | <b>Easting:</b>      | 458531        |
| <b>Drill Method:</b>       |        |                |             | <b>Northing:</b>     | 5032822       |

| Map Key  | Number of Records                                       | Direction/<br>Distance (m) | Elev/Diff<br>(m)   | Site   | DB  |
|--|---|----------------------------|--------------------|--|---|
| <b>Orig Ground Elev m:</b><br><b>Elev Reliabil Note:</b><br><b>DEM Ground Elev m:</b><br><b>Concession:</b><br><b>Location D:</b><br><b>Survey D:</b><br><b>Comments:</b>  | 91.4<br>91.7  |                            |                    | <b>Location Accuracy:</b><br><b>Accuracy:</b>  | Not Applicable  |
| <b><u>Borehole Geology Stratum</u></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>   | 218400872<br>0<br>9.1<br>Grey<br>Limestone              |                            |                    | <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>  |   |
|  |   |                            |                    |  | LIMESTONE. GREY. 00040ROCK. WHITE. 00060 BEDROCK. 10DROCK. BEDROCK. BEDRO **Note: Many records provided by the department have a truncated [Stratum Description] field. |
| <b><u>Source</u></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 |                            |                    | <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   |
|  |   |                            |                    |  | Urban Geology Automated Information System (UGAIS)<br>File: OTTAWA2.txt RecordID: 07736 NTS_Sheet:  |
| <b><u>Source List</u></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                 |                            |                    | <b>Horizontal Datum:</b><br><b>Vertical Datum:</b><br><b>Projection Name:</b>  | NAD27<br>Mean Average Sea Level<br>Universal Transverse Mercator  |
|  |   |                            |                    |  | Urban Geology Automated Information System (UGAIS)<br>Geological Survey of Canada   |
| <b>72</b>  | <b>1 of 1</b>   | <b>E/255.1</b>             | <b>88.9 / 0.00</b> | <b>3604 innes road lot 4 con 3<br/>Ottawa ON</b>   | <b>WWIS</b>   |
| <b>Well ID:</b><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><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> | 7347161<br>Not Used<br>Abandoned-Other                  |                            |                    | <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><br><b>Selected Flag:</b><br><b>Abandonment Rec:</b><br><b>Contractor:</b><br><b>Form Version:</b><br><b>Owner:</b><br><b>County:</b><br><b>Lot:</b><br><b>Concession:</b><br><b>Concession Name:</b><br><b>Easting NAD83:</b><br><b>Northing NAD83:</b><br><b>Zone:</b> | 15-Nov-2019 00:00:00<br>TRUE<br>Yes<br>7417<br>7<br>OTTAWA-CARLETON<br>004<br>03<br>OF  |

| <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>Clear/Cloudy:</b><br><b>Municipality:</b><br><b>Site Info:</b>   |                          | GLOUCESTER TOWNSHIP   |                          | <b>UTM Reliability:</b>  |  |
| <b>PDF URL (Map):</b>   |                          | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/734\7347161.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>   |                          | 2019/10/28<br>2019<br><br>45.4480361177218<br>-75.5219913155454<br>734\7347161.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> | 1007713292               |   |                          | <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>459181.00<br>5032856.00<br>UTM83<br>4<br>margin of error : 30 m - 100 m<br>wwr |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |   |                          |  |  |
| <b>Plug ID:</b><br><b>Layer:</b><br><b>Plug From:</b><br><b>Plug To:</b><br><b>Plug Depth UOM:</b>  |                          | 1008258863<br>1<br>0.0<br>24.34000015258789<br>ft   |                          |  |  |
| <b><u>Pipe Information</u></b>  |                          |   |                          |  |  |
| <b>Pipe ID:</b><br><b>Casing No:</b><br><b>Comment:</b><br><b>Alt Name:</b>   |                          | 1008257973<br>0   |                          |  |  |
| <b><u>Construction Record - Casing</u></b>  |                          |   |                          |  |  |
| <b>Casing ID:</b><br><b>Layer:</b><br><b>Material:</b><br><b>Open Hole or Material:</b><br><b>Depth From:</b><br><b>Depth To:</b><br><b>Casing Diameter:</b><br><b>Casing Diameter UOM:</b><br><b>Casing Depth UOM:</b>   |                          | 1008259549<br>1<br>1<br>STEEL<br>2.0<br>6.099999904632568<br>15.479999542236328<br>Inch<br>ft |                          |  |  |

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

**Construction Record - Casing**

**Casing ID:** 1008259550  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:** 6.099999904632568  
**Depth To:** 24.34000015258789  
**Casing Diameter:** 15.319999694824219  
**Casing Diameter UOM:** Inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:**  
**Pump Test ID:** 1008259881  
**Pump Set At:**  
**Static Level:**  
**Final Level After Pumping:**  
**Recommended Pump Depth:**  
**Pumping Rate:**  
**Flowing Rate:**  
**Recommended Pump Rate:**  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:**  
**Water State After Test:**  
**Pumping Test Method:** 0  
**Pumping Duration HR:**  
**Pumping Duration MIN:**  
**Flowing:**

**Hole Diameter**

**Hole ID:** 1008259307  
**Diameter:** 15.319999694824219  
**Depth From:** 0.0  
**Depth To:** 24.34000015258789  
**Hole Depth UOM:** ft  
**Hole Diameter UOM:** Inch

**Links**

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <b>Bore Hole ID:</b> 1007713292      | <b>Tag No:</b>                      |
| <b>Depth M:</b>                      | <b>Contractor:</b> 7417             |
| <b>Year Completed:</b> 2019          | <b>Path:</b> 734\7347161.pdf        |
| <b>Well Completed Dt:</b> 2019/10/28 | <b>Latitude:</b> 45.4480361177218   |
| <b>Audit No:</b> Z321107             | <b>Longitude:</b> -75.5219913155454 |

|                    |        |           |             |                   |      |
|--------------------|--------|-----------|-------------|-------------------|------|
| <a href="#">73</a> | 1 of 1 | ENE/256.7 | 88.9 / 0.00 | lot 5 con 2<br>ON | WWIS |
|--------------------|--------|-----------|-------------|-------------------|------|

|  |  |
|--|--|
| <b>Well ID:</b> 1501227                | <b>Flowing (Y/N):</b>                      |
| <b>Construction Date:</b>              | <b>Flow Rate:</b>                          |
| <b>Use 1st:</b> Commerical             | <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> 16-Feb-1966 00:00:00 |
| <b>Water Type:</b>                     | <b>Selected Flag:</b> TRUE                 |
| <b>Casing Material:</b>                | <b>Abandonment Rec:</b>                    |
| <b>Audit No:</b>                       | <b>Contractor:</b> 3504                    |
| <b>Tag:</b>                            | <b>Form Version:</b> 1                     |
| <b>Constructn Method:</b>              | <b>Owner:</b>                              |

| Map Key  | Number of Records | Direction/<br>Distance (m)   | Elev/Diff<br>(m) | Site                               | DB |
|--|-------------------|--|------------------|------------------------------------|----|
| <b>Elevation (m):</b><br><b>Elevatn Reliability:</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><br><b>Site Info:</b> |                   | <b>County:</b><br><b>Lot:</b><br><b>Concession:</b><br><b>Concession Name:</b><br><b>Easting NAD83:</b><br><b>Northing NAD83:</b><br><b>Zone:</b><br><b>UTM Reliability:</b> |                  | OTTAWA-CARLETON<br>005<br>02<br>OF |    |
|  |                   | GLOUCESTER TOWNSHIP  |                  |                                    |    |
| <b>PDF URL (Map):</b>  |                   | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501227.pdf  |                  |                                    |    |

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

**Well Completed Date:** 1966/01/03  
**Year Completed:** 1966  
**Depth (m):** 20.7264  
**Latitude:** 45.448808424724  
**Longitude:** -75.5223846407465  
**Path:** 150\1501227.pdf

**Bore Hole Information**

|                                     |  |                         |                                 |
|-------------------------------------|--|-------------------------|---------------------------------|
| <b>Bore Hole ID:</b>                | 10023270   | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                       |  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>              |  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                     |  | <b>East83:</b>          | 459150.80                       |
| <b>Code OB Desc:</b>                |  | <b>North83:</b>         | 5032942.00                      |
| <b>Open Hole:</b>                   |  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                |  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>              | 03-Jan-1966 00:00:00   | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                     |  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>             | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>            |  |                         |                                 |

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 930991284  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 20.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 930991285

| <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>Layer:</b>                                       |                          | 2                                  |                          |             |           |
| <b>Color:</b>                                       |                          |                                    |                          |             |           |
| <b>General Color:</b>                               |                          |                                    |                          |             |           |
| <b>Mat1:</b>  |                          | 15                                 |                          |             |           |
| <b>Most Common Material:</b>                        |                          | LIMESTONE                          |                          |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |
| <b>Mat2 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                                   |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                         |                          | 20.0                               |                          |             |           |
| <b>Formation End Depth:</b>                         |                          | 68.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                      |                          | 961501227                          |                          |             |           |
| <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>                                     |                          | 10571840                           |                          |             |           |
| <b>Casing No:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                                     |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                    |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930039435                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 2                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 68.0                               |                          |             |           |
| <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>          |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                   |                          | 930039434                          |                          |             |           |
| <b>Layer:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                    |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                                  |                          |                                    |                          |             |           |
| <b>Depth To:</b>                                    |                          | 22.0                               |                          |             |           |
| <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>                                |                          | 991501227                          |                          |             |           |
| <b>Pump Set At:</b>                                 |                          |                                    |                          |             |           |
| <b>Static Level:</b>                                |                          | 4.0                                |                          |             |           |
| <b>Final Level After Pumping:</b>                   |                          | 20.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>                      |                          | 30.0                               |                          |             |           |
| <b>Pumping Rate:</b>                                |                          | 8.0                                |                          |             |           |
| <b>Flowing Rate:</b>                                |                          |                                    |                          |             |           |



| Map Key                             | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|-------------------------------------|-------------------|----------------------------|------------------|------|----|
| <b>Recommended Pump Rate:</b>       |                   | 8.0                        |                  |      |    |
| <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                         |                  |      |    |

**Water Details**

**Water ID:** 933453920  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 40.0  
**Water Found Depth UOM:** ft

**Water Details**

**Water ID:** 933453921  
**Layer:** 2  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 62.0  
**Water Found Depth UOM:** ft

**Links**

|                           |            |                    |                   |
|---------------------------|------------|--------------------|-------------------|
| <b>Bore Hole ID:</b>      | 10023270   | <b>Tag No:</b>     |                   |
| <b>Depth M:</b>           | 20.7264    | <b>Contractor:</b> | 3504              |
| <b>Year Completed:</b>    | 1966       | <b>Path:</b>       | 150\1501227.pdf   |
| <b>Well Completed Dt:</b> | 1966/01/03 | <b>Latitude:</b>   | 45.448808424724   |
| <b>Audit No:</b>          |            | <b>Longitude:</b>  | -75.5223846407465 |

[74](#)    1 of 1    **E/258.5**    **88.9 / 0.00**    **3604 Innes Road**  
**Orléans ON K1C 1T1**    **EHS**

|                                 |   |                              |            |
|---------------------------------|---|------------------------------|------------|
| <b>Order No:</b>                | 20181203178   | <b>Nearest Intersection:</b> |            |
| <b>Status:</b>                  | C   | <b>Municipality:</b>         |            |
| <b>Report Type:</b>             | RSC Report (Urban)  | <b>Client Prov/State:</b>    | ON         |
| <b>Report Date:</b>             | 10-DEC-18   | <b>Search Radius (km):</b>   | .3         |
| <b>Date Received:</b>           | 03-DEC-18   | <b>X:</b>                    | -75.521937 |
| <b>Previous Site Name:</b>      |   | <b>Y:</b>                    | 45.447993  |
| <b>Lot/Building Size:</b>       |   |                              |            |
| <b>Additional Info Ordered:</b> | Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos |                              |            |

[75](#)    1 of 1    **WSW/258.6**    **88.9 / 0.00**    **6276 SABLEWOOD PL**  
**ORLEANS ON K1C 7M5**    **PES**

|                           |                   |                         |  |
|---------------------------|-------------------|-------------------------|--|
| <b>Detail Licence No:</b> |                   | <b>Operator Box:</b>    |  |
| <b>Licence No:</b>        | L-240-1803005885  | <b>Operator Class:</b>  |  |
| <b>Status:</b>            | Active            | <b>Operator No:</b>     |  |
| <b>Approval Date:</b>     | November, 30 2021 | <b>Operator Type:</b>   |  |
| <b>Report Source:</b>     | PEST-Operator     | <b>Oper Area Code:</b>  |  |
| <b>Licence Type:</b>      | Operator          | <b>Oper Phone No:</b>   |  |
| <b>Licence Type Code:</b> |                   | <b>Operator Ext:</b>    |  |
| <b>Licence Class:</b>     |                   | <b>Operator Lot:</b>    |  |
| <b>Licence Control:</b>   |                   | <b>Oper Concession:</b> |  |
| <b>Latitude:</b>          | 45.44611111       | <b>Operator Region:</b> |  |

| Map Key            | Number of Records   | Direction/ Distance (m) | Elev/Diff (m) | Site               | DB            |
|--------------------|---|-------------------------|---------------|--------------------|---------------|
| Longitude:         | -75.52972222  |                         |               | Operator District: |               |
| Lot:               |   |                         |               | Operator County:   |               |
| Concession:        |   |                         |               | Op Municipality:   |               |
| Region:            |   |                         |               | Post Office Box:   |               |
| District:          |   |                         |               | MOE District:      | Metro Toronto |
| County:            |   |                         |               | SWP Area Name:     | Toronto       |
| Trade Name:        |   |                         |               |                    |               |
| PDF URL:           | http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2532095 |                         |               |                    |               |
| PDF Site Location: |   |                         |               |                    |               |

76      1 of 1      SSE/260.5      87.9 / -1.00      ON      BORE

|                            |                |                           |                |
|----------------------------|----------------|---------------------------|----------------|
| <b>Borehole ID:</b>        | 615193         | <b>Inclin FLG:</b>        | No             |
| <b>OGF ID:</b>             | 215516135      | <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> | 1.2            | <b>Lot:</b>               |                |
| <b>Primary Water Use:</b>  |                | <b>Township:</b>          |                |
| <b>Sec. Water Use:</b>     |                | <b>Latitude DD:</b>       | 45.444926      |
| <b>Total Depth m:</b>      | -999           | <b>Longitude DD:</b>      | -75.525418     |
| <b>Depth Ref:</b>          | Ground Surface | <b>UTM Zone:</b>          | 18             |
| <b>Depth Elev:</b>         |                | <b>Easting:</b>           | 458911         |
| <b>Drill Method:</b>       |                | <b>Northing:</b>          | 5032512        |
| <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>  | 88.9           |                           |                |
| <b>Concession:</b>         |                |                           |                |
| <b>Location D:</b>         |                |                           |                |
| <b>Survey D:</b>           |                |                           |                |
| <b>Comments:</b>           |                |                           |                |

**Borehole Geology Stratum**

|                                  |           |                            |  |
|----------------------------------|-----------|----------------------------|--|
| <b>Geology Stratum ID:</b>       | 218400790 | <b>Mat Consistency:</b>    |  |
| <b>Top Depth:</b>                | 0         | <b>Material Moisture:</b>  |  |
| <b>Bottom Depth:</b>             | 16.5      | <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>       | 218400791  | <b>Mat Consistency:</b>    |  |
| <b>Top Depth:</b>                | 16.5   | <b>Material Moisture:</b>  |  |
| <b>Bottom Depth:</b>             |  | <b>Material Texture:</b>   |  |
| <b>Material Color:</b>           | Black  | <b>Non Geo Mat Type:</b>   |  |
| <b>Material 1:</b>               | Bedrock  | <b>Geologic Formation:</b> |  |
| <b>Material 2:</b>               | Limestone  | <b>Geologic Group:</b>     |  |
| <b>Material 3:</b>               |  | <b>Geologic Period:</b>    |  |
| <b>Material 4:</b>               |  | <b>Depositional Gen:</b>   |  |
| <b>Gsc Material Description:</b> |  |                            |  |
| <b>Stratum Description:</b>      | BEDROCK. WATER STABLE AT 291.0 FEET. ROCK. BLACK. 00110DROCK. BEDROCK. BEDROCK. WAT<br>**Note: Many records provided by the department have a truncated [Stratum Description] field. |                            |  |

**Source**

|                     |             |                     |                 |
|---------------------|-------------|---------------------|-----------------|
| <b>Source Type:</b> | Data Survey | <b>Source Appl:</b> | Spatial/Tabular |
|---------------------|-------------|---------------------|-----------------|

| Map Key   | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site   | DB   |
|---|-------------------|----------------------------|------------------|--|------|
| <b>Source Orig:</b> Geological Survey of Canada<br><b>Source Date:</b> 1956-1972<br><b>Confidence:</b> M<br><b>Observatio:</b><br><b>Source Name:</b> Urban Geology Automated Information System (UGAIS)<br><b>Source Details:</b> File: OTTAWA2.txt RecordID: 077010 NTS_Sheet: 31G05H<br><b>Confiden 1:</b> Reliable information but incomplete.  |                   |                            |                  |  |      |
| <b>Source Identifier:</b> 1<br><b>Source Type:</b> Data Survey<br><b>Source Date:</b> 1956-1972<br><b>Scale or Resolution:</b> Varies<br><b>Source Name:</b> Urban Geology Automated Information System (UGAIS)<br><b>Source Originators:</b> Geological Survey of Canada   |                   |                            |                  |  |      |
| <b>Source Iden:</b> 1<br><b>Scale or Res:</b> Varies<br><b>Horizontal:</b> NAD27<br><b>Verticalda:</b> Mean Average Sea Level   |                   |                            |                  |  |      |
| <b>Horizontal Datum:</b> NAD27<br><b>Vertical Datum:</b> Mean Average Sea Level<br><b>Projection Name:</b> Universal Transverse Mercator  |                   |                            |                  |  |      |
| <a href="#">77</a>  | 1 of 1            | W/263.0                    | 89.9 / 1.00      | Caroline's Rub-Fine Spice<br>6355 Sablewood PI<br>Orleans ON K1C 7M3 | SCT  |
| <b>Established:</b> 2003<br><b>Plant Size (ft²):</b><br><b>Employment:</b> 2  |                   |                            |                  |  |      |
| <b>--Details--</b><br><b>Description:</b> Seasoning and Dressing Manufacturing<br><b>SIC/NAICS Code:</b> 311940<br><br><b>Description:</b> All Other Miscellaneous Manufacturing<br><b>SIC/NAICS Code:</b> 339990   |                   |                            |                  |  |      |
| <a href="#">78</a>  | 1 of 1            | S/263.6                    | 87.8 / -1.03     | lot 6 con 3<br>ON  | WWIS |
| <b>Well ID:</b> 1501442<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> GLOUCESTER 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> 15-Aug-1961 00:00:00<br><b>Selected Flag:</b> TRUE<br><b>Abandonment Rec:</b><br><b>Contractor:</b> 1504<br><b>Form Version:</b> 1<br><b>Owner:</b><br><b>County:</b> OTTAWA-CARLETON<br><b>Lot:</b> 006<br><b>Concession:</b> 03<br><b>Concession Name:</b> OF<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\1501442.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501442.pdf</a>   |                   |                            |                  |  |      |
| <b>Additional Detail(s) (Map)</b>   |                   |                            |                  |  |      |
| <b>Well Completed Date:</b> 1961/06/27  |                   |                            |                  |  |      |

| <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>Year Completed:</b> |                          | 1961                               |                          |             |           |
| <b>Depth (m):</b>      |                          | 15.24                              |                          |             |           |
| <b>Latitude:</b>       |                          | 45.4448292678592                   |                          |             |           |
| <b>Longitude:</b>      |                          | -75.5264398268603                  |                          |             |           |
| <b>Path:</b>           |                          | 150\1501442.pdf                    |                          |             |           |

**Bore Hole Information**

|                                     |  |                         |                                 |
|-------------------------------------|--|-------------------------|---------------------------------|
| <b>Bore Hole ID:</b>                | 10023485   | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                       |  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>              |  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                     |  | <b>East83:</b>          | 458830.80                       |
| <b>Code OB Desc:</b>                |  | <b>North83:</b>         | 5032502.00                      |
| <b>Open Hole:</b>                   |  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                |  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>              | 27-Jun-1961 00:00:00   | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                     |  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>             | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>            |  |                         |                                 |

**Overburden and Bedrock**

**Materials Interval**

|                                 |           |
|---------------------------------|-----------|
| <b>Formation ID:</b>            | 930991838 |
| <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>     | 32.0      |
| <b>Formation End Depth:</b>     | 50.0      |
| <b>Formation End Depth UOM:</b> | ft        |

**Overburden and Bedrock**

**Materials Interval**

|                                 |           |
|---------------------------------|-----------|
| <b>Formation ID:</b>            | 930991837 |
| <b>Layer:</b>                   | 1         |
| <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>     | 0.0       |
| <b>Formation End Depth:</b>     | 32.0      |
| <b>Formation End Depth UOM:</b> | ft        |

**Method of Construction & Well**

**Use**

| <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>              |                          | 961501442                          |                          |             |           |
| <b>Method Construction Code:</b>            |                          | 7                                  |                          |             |           |
| <b>Method Construction:</b>                 |                          | Diamond                            |                          |             |           |
| <b>Other Method Construction:</b>           |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>              |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>                             |                          | 10572055                           |                          |             |           |
| <b>Casing No:</b>                           |                          | 1                                  |                          |             |           |
| <b>Comment:</b>                             |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                            |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930039851                          |                          |             |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Material:</b>                            |                          | 1                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | STEEL                              |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 34.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 2.0                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                           |                          | 930039852                          |                          |             |           |
| <b>Layer:</b>                               |                          | 2                                  |                          |             |           |
| <b>Material:</b>                            |                          | 4                                  |                          |             |           |
| <b>Open Hole or Material:</b>               |                          | OPEN HOLE                          |                          |             |           |
| <b>Depth From:</b>                          |                          |                                    |                          |             |           |
| <b>Depth To:</b>                            |                          | 50.0                               |                          |             |           |
| <b>Casing Diameter:</b>                     |                          | 2.0                                |                          |             |           |
| <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>                        |                          | 991501442                          |                          |             |           |
| <b>Pump Set At:</b>                         |                          |                                    |                          |             |           |
| <b>Static Level:</b>                        |                          |                                    |                          |             |           |
| <b>Final Level After Pumping:</b>           |                          | 20.0                               |                          |             |           |
| <b>Recommended Pump Depth:</b>              |                          | 20.0                               |                          |             |           |
| <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>         |                          | 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>                             |                          | Yes                                |                          |             |           |
| <b><u>Water Details</u></b>                 |                          |                                    |                          |             |           |
| <b>Water ID:</b>                            |                          | 933454149                          |                          |             |           |
| <b>Layer:</b>                               |                          | 1                                  |                          |             |           |
| <b>Kind Code:</b>                           |                          | 1                                  |                          |             |           |
| <b>Kind:</b>                                |                          | FRESH                              |                          |             |           |

| Map Key                | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site        | DB                |
|------------------------|-------------------|----------------------------|------------------|-------------|-------------------|
| Water Found Depth:     |                   | 50.0                       |                  |             |                   |
| Water Found Depth UOM: |                   | ft                         |                  |             |                   |
| <b>Links</b>           |                   |                            |                  |             |                   |
| Bore Hole ID:          | 10023485          |                            |                  | Tag No:     |                   |
| Depth M:               | 15.24             |                            |                  | Contractor: | 1504              |
| Year Completed:        | 1961              |                            |                  | Path:       | 150\1501442.pdf   |
| Well Completed Dt:     | 1961/06/27        |                            |                  | Latitude:   | 45.4448292678592  |
| Audit No:              |                   |                            |                  | Longitude:  | -75.5264398268603 |

| <a href="#">79</a>   | 1 of 1              | WSW/264.3 | 88.9 / 0.00 | lot 6 con 2<br>ON  | WWIS                 |
|----------------------|---------------------|-----------|-------------|--------------------|----------------------|
| Well ID:             | 1501234             |           |             | Flowing (Y/N):     |                      |
| Construction Date:   |                     |           |             | Flow Rate:         |                      |
| Use 1st:             | Domestic            |           |             | Data Entry Status: |                      |
| Use 2nd:             | 0                   |           |             | Data Src:          | 1                    |
| Final Well Status:   | Water Supply        |           |             | Date Received:     | 25-May-1961 00:00:00 |
| Water Type:          |                     |           |             | Selected Flag:     | TRUE                 |
| Casing Material:     |                     |           |             | Abandonment Rec:   |                      |
| Audit No:            |                     |           |             | Contractor:        | 1629                 |
| Tag:                 |                     |           |             | Form Version:      | 1                    |
| Constructn Method:   |                     |           |             | Owner:             |                      |
| Elevation (m):       |                     |           |             | County:            | OTTAWA-CARLETON      |
| Elevatn Reliability: |                     |           |             | Lot:               | 006                  |
| Depth to Bedrock:    |                     |           |             | Concession:        | 02                   |
| Well Depth:          |                     |           |             | Concession Name:   | OF                   |
| Overburden/Bedrock:  |                     |           |             | Easting NAD83:     |                      |
| Pump Rate:           |                     |           |             | Northing NAD83:    |                      |
| Static Water Level:  |                     |           |             | Zone:              |                      |
| Clear/Cloudy:        |                     |           |             | UTM Reliability:   |                      |
| Municipality:        | GLOUCESTER TOWNSHIP |           |             |                    |                      |
| Site Info:           |                     |           |             |                    |                      |

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501234.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501234.pdf)

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

Well Completed Date: 1961/03/02  
Year Completed: 1961  
Depth (m): 14.3256  
Latitude: 45.44589459053  
Longitude: -75.5296466037386  
Path: 150\1501234.pdf

**Bore Hole Information**

Bore Hole ID: 10023277  
DP2BR:  
Spatial Status:  
Code OB:  
Code OB Desc:  
Open Hole:  
Cluster Kind:  
Date Completed: 02-Mar-1961 00:00:00  
Remarks:  
Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:

Elevation:  
Elevrc:  
Zone: 18  
East83: 458580.80  
North83: 5032622.00  
Org CS:  
UTMRC: 5  
UTMRC Desc: margin of error : 100 m - 300 m  
Location Method: p5

| <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> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <i>Source Revision Comment:</i>                 |                          |                                    |                          |             |           |
| <i>Supplier Comment:</i>                        |                          |                                    |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 930991300                          |                          |             |           |
| <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>                     |                          | 2.0                                |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 930991302                          |                          |             |           |
| <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>                     |                          | 4.0                                |                          |             |           |
| <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>                            |                          | 930991301                          |                          |             |           |
| <b>Layer:</b>                                   |                          | 2                                  |                          |             |           |
| <b>Color:</b>                                   |                          |                                    |                          |             |           |
| <b>General Color:</b>                           |                          |                                    |                          |             |           |
| <b>Mat1:</b>                                    |                          | 09                                 |                          |             |           |
| <b>Most Common Material:</b>                    |                          | MEDIUM SAND                        |                          |             |           |
| <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>                     |                          | 4.0                                |                          |             |           |
| <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>                  |                          | 961501234                          |                          |             |           |
| <b>Method Construction Code:</b>                |                          | 1                                  |                          |             |           |
| <b>Method Construction:</b>                     |                          | Cable Tool                         |                          |             |           |
| <b>Other Method Construction:</b>               |                          |                                    |                          |             |           |

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

**Pipe Information**

**Pipe ID:** 10571847  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930039448  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 11.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930039449  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 47.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991501234  
**Pump Set At:**  
**Static Level:** 6.0  
**Final Level After Pumping:** 9.0  
**Recommended Pump Depth:** 9.0  
**Pumping Rate:** 7.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 2.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 3  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Water Details**

**Water ID:** 933453930  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 47.0  
**Water Found Depth UOM:** ft

**Links**



| Map Key                   | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site               | DB                |
|---------------------------|-------------------|----------------------------|------------------|--------------------|-------------------|
| <b>Bore Hole ID:</b>      | 10023277          |                            |                  | <b>Tag No:</b>     |                   |
| <b>Depth M:</b>           | 14.3256           |                            |                  | <b>Contractor:</b> | 1629              |
| <b>Year Completed:</b>    | 1961              |                            |                  | <b>Path:</b>       | 150\1501234.pdf   |
| <b>Well Completed Dt:</b> | 1961/03/02        |                            |                  | <b>Latitude:</b>   | 45.44589459053    |
| <b>Audit No:</b>          |                   |                            |                  | <b>Longitude:</b>  | -75.5296466037386 |

[80](#)      1 of 1      **ENE/265.5**      **88.9 / 0.00**      **2248 Boyer Road  
Ottawa ON K1C 1R4**      **EHS**

|                                 |   |                              |                                     |
|---------------------------------|---|------------------------------|-------------------------------------|
| <b>Order No:</b>                | 20140702041                                       | <b>Nearest Intersection:</b> |                                     |
| <b>Status:</b>                  | C   | <b>Municipality:</b>         | Innes Ward, Orleans, City of Ottawa |
| <b>Report Type:</b>             | Standard Report                                   | <b>Client Prov/State:</b>    | ON                                  |
| <b>Report Date:</b>             | 09-JUL-14   | <b>Search Radius (km):</b>   | .25                                 |
| <b>Date Received:</b>           | 02-JUL-14   | <b>X:</b>                    | -75.522705                          |
| <b>Previous Site Name:</b>      | unknown   | <b>Y:</b>                    | 45.449746                           |
| <b>Lot/Building Size:</b>       | 73ft x 46ft (City of Ottawa property information) |                              |                                     |
| <b>Additional Info Ordered:</b> |   |                              |                                     |

[81](#)      1 of 1      **WSW/265.8**      **88.9 / 0.00**      **ON**      **BORE**

|                            |                |                           |                |
|----------------------------|----------------|---------------------------|----------------|
| <b>Borehole ID:</b>        | 615204         | <b>Inclin FLG:</b>        | No             |
| <b>OGF ID:</b>             | 215516146      | <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>    | JUN-1961       | <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>       | 45.445628      |
| <b>Total Depth m:</b>      | 15.2           | <b>Longitude DD:</b>      | -75.529325     |
| <b>Depth Ref:</b>          | Ground Surface | <b>UTM Zone:</b>          | 18             |
| <b>Depth Elev:</b>         |                | <b>Easting:</b>           | 458606         |
| <b>Drill Method:</b>       |                | <b>Northing:</b>          | 5032592        |
| <b>Orig Ground Elev m:</b> | 91.4           | <b>Location Accuracy:</b> |                |
| <b>Elev Reliabil Note:</b> |                | <b>Accuracy:</b>          | Not Applicable |
| <b>DEM Ground Elev m:</b>  | 89.8           |                           |                |
| <b>Concession:</b>         |                |                           |                |
| <b>Location D:</b>         |                |                           |                |
| <b>Survey D:</b>           |                |                           |                |
| <b>Comments:</b>           |                |                           |                |

**Borehole Geology Stratum**

|                                  |   |                            |       |
|----------------------------------|---|----------------------------|-------|
| <b>Geology Stratum ID:</b>       | 218400819   | <b>Mat Consistency:</b>    | Loose |
| <b>Top Depth:</b>                | 4.6   | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 15.2  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey  | <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. 00050FEET.LOOSE. BEDROCK. 10DROCK. BEDROCK. BEDROCK. WATER STA **Note: Many records provided by the department have a truncated [Stratum Description] field. |                            |       |

|                            |           |                            |  |
|----------------------------|-----------|----------------------------|--|
| <b>Geology Stratum ID:</b> | 218400818 | <b>Mat Consistency:</b>    |  |
| <b>Top Depth:</b>          | 0         | <b>Material Moisture:</b>  |  |
| <b>Bottom Depth:</b>       | 4.6       | <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>     |  |

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

Material 3:  
Material 4:  
Gsc Material Description:  
Stratum Description: CLAY. BLUE.

Geologic Period:  
Depositional Gen:

**Source**

Source Type: Data Survey  
Source Orig: Geological Survey of Canada  
Source Date: 1956-1972  
Confidence:  
Observatio:  
Source Name: Urban Geology Automated Information System (UGAIS)  
Source Details: File: OTTAWA2.txt RecordID: 07712 NTS\_Sheet:  
Confiden 1:

Source Appl: Spatial/Tabular  
Source Iden: 1  
Scale or Res: Varies  
Horizontal: NAD27  
Verticalda: Mean Average Sea Level

**Source List**

Source Identifier: 1  
Source Type: Data Survey  
Source Date: 1956-1972  
Scale or Resolution: Varies  
Source Name: Urban Geology Automated Information System (UGAIS)  
Source Originators: Geological Survey of Canada

Horizontal Datum: NAD27  
Vertical Datum: Mean Average Sea Level  
Projection Name: Universal Transverse Mercator

[82](#) 1 of 1 WSW/266.0 88.9 / 0.00 lot 6 con 3 ON [WWIS](#)

Well ID: 1501440  
Construction Date:  
Use 1st: Domestic  
Use 2nd: 0  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No:  
Tag:  
Constructn Method:  
Elevation (m):  
Elevatn Reliabilty:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Clear/Cloudy:  
Municipality: GLOUCESTER TOWNSHIP  
Site Info:

Flowing (Y/N):  
Flow Rate:  
Data Entry Status:  
Data Src: 1  
Date Received: 15-Aug-1961 00:00:00  
Selected Flag: TRUE  
Abandonment Rec:  
Contractor: 1504  
Form Version: 1  
Owner:  
County: OTTAWA-CARLETON  
Lot: 006  
Concession: 03  
Concession Name: OF  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501440.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501440.pdf)

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

Well Completed Date: 1961/06/24  
Year Completed: 1961  
Depth (m): 15.24  
Latitude: 45.4456260472842  
Longitude: -75.5293244053892  
Path: 150\1501440.pdf

**Bore Hole 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>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> | 10023483                 |                                    |                          | <b>Elevation:</b><br><b>Elevrc:</b><br><b>Zone:</b> 18<br><b>East83:</b> 458605.80<br><b>North83:</b> 5032592.00<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><br><b><u>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>  | 930991833                |                                    |                          |   |           |
| <b><u>Overburden and Bedrock</u></b><br><b><u>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>  | 930991834                |                                    |                          |   |           |
| <b><u>Method of Construction &amp; Well</u></b><br><b><u>Use</u></b>  |                          |                                    |                          |   |           |
| <b>Method Construction ID:</b><br><b>Method Construction Code:</b><br><b>Method Construction:</b><br><b>Other Method Construction:</b>  | 961501440                |                                    |                          |   |           |
| <b><u>Pipe Information</u></b>  |                          |                                    |                          |   |           |
| <b>Pipe ID:</b>   | 10572053                 |                                    |                          |   |           |

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

Casing No: 1  
Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930039847  
Layer: 1  
Material: 1  
Open Hole or Material: STEEL  
Depth From:  
Depth To: 17.0  
Casing Diameter: 2.0  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Construction Record - Casing**

Casing ID: 930039848  
Layer: 2  
Material: 4  
Open Hole or Material: OPEN HOLE  
Depth From:  
Depth To: 50.0  
Casing Diameter: 2.0  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Results of Well Yield Testing**

Pumping Test Method Desc: PUMP  
Pump Test ID: 991501440  
Pump Set At:  
Static Level: 2.0  
Final Level After Pumping: 20.0  
Recommended Pump Depth: 20.0  
Pumping Rate: 10.0  
Flowing Rate:  
Recommended Pump Rate: 10.0  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code: 1  
Water State After Test: CLEAR  
Pumping Test Method: 1  
Pumping Duration HR: 1  
Pumping Duration MIN: 0  
Flowing: No

**Water Details**

Water ID: 933454147  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 50.0  
Water Found Depth UOM: ft

**Links**

Bore Hole ID: 10023483      Tag No:  
Depth M: 15.24      Contractor: 1504  
Year Completed: 1961      Path: 150\1501440.pdf

| Map Key                         | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site                    | DB                                    |
|---------------------------------|-------------------|-------------------------|---------------|-------------------------|---------------------------------------|
| Well Completed Dt:<br>Audit No: | 1961/06/24        |                         |               | Latitude:<br>Longitude: | 45.4456260472842<br>-75.5293244053892 |

|                      |                     |          |             |                    |                      |
|----------------------|---------------------|----------|-------------|--------------------|----------------------|
| <a href="#">83</a>   | 1 of 1              | SW/274.5 | 88.9 / 0.00 | lot 6 con 3<br>ON  | WWIS                 |
| Well ID:             | 1509636             |          |             | Flowing (Y/N):     |                      |
| Construction Date:   |                     |          |             | Flow Rate:         |                      |
| Use 1st:             | Domestic            |          |             | Data Entry Status: |                      |
| Use 2nd:             | 0                   |          |             | Data Src:          | 1                    |
| Final Well Status:   | Water Supply        |          |             | Date Received:     | 30-Aug-1968 00:00:00 |
| Water Type:          |                     |          |             | Selected Flag:     | TRUE                 |
| Casing Material:     |                     |          |             | Abandonment Rec:   |                      |
| Audit No:            |                     |          |             | Contractor:        | 1802                 |
| Tag:                 |                     |          |             | Form Version:      | 1                    |
| Constructn Method:   |                     |          |             | Owner:             |                      |
| Elevation (m):       |                     |          |             | County:            | OTTAWA-CARLETON      |
| Elevatn Reliability: |                     |          |             | Lot:               | 006                  |
| Depth to Bedrock:    |                     |          |             | Concession:        | 03                   |
| Well Depth:          |                     |          |             | Concession Name:   | OF                   |
| Overburden/Bedrock:  |                     |          |             | Easting NAD83:     |                      |
| Pump Rate:           |                     |          |             | Northing NAD83:    |                      |
| Static Water Level:  |                     |          |             | Zone:              |                      |
| Clear/Cloudy:        |                     |          |             | UTM Reliability:   |                      |
| Municipality:        | GLOUCESTER TOWNSHIP |          |             |                    |                      |
| Site Info:           |                     |          |             |                    |                      |

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1509636.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509636.pdf)

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

Well Completed Date: 1968/08/01  
Year Completed: 1968  
Depth (m): 12.192  
Latitude: 45.4451792622728  
Longitude: -75.5286169248586  
Path: 150\1509636.pdf

#### Bore Hole Information

|                              |   |                  |                                |
|------------------------------|---|------------------|--------------------------------|
| Bore Hole ID:                | 10031668  | Elevation:       |                                |
| DP2BR:                       |   | Elevrc:          |                                |
| Spatial Status:              |   | Zone:            | 18                             |
| Code OB:                     |   | East83:          | 458660.80                      |
| Code OB Desc:                |   | North83:         | 5032542.00                     |
| Open Hole:                   |   | Org CS:          |                                |
| Cluster Kind:                |   | UTMRC:           | 4                              |
| Date Completed:              | 01-Aug-1968 00:00:00  | UTMRC Desc:      | margin of error : 30 m - 100 m |
| Remarks:                     |   | Location Method: | p4                             |
| Loc Method Desc:             | Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m |                  |                                |
| Elevrc Desc:                 |   |                  |                                |
| Location Source Date:        |   |                  |                                |
| Improvement Location Source: |   |                  |                                |
| Improvement Location Method: |   |                  |                                |
| Source Revision Comment:     |   |                  |                                |
| Supplier Comment:            |   |                  |                                |

#### Overburden and Bedrock

##### Materials Interval

Formation ID: 931012632  
Layer: 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> |
|---|--------------------------|--------------------------------|----------------------|-------------|-----------|
| <b>Color:</b>                                       |                          |                                |                      |             |           |
| <b>General Color:</b>                               |                          |                                |                      |             |           |
| <b>Mat1:</b>  |                          | 09                             |                      |             |           |
| <b>Most Common Material:</b>                        |                          | MEDIUM 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>                         |                          | 40.0                           |                      |             |           |
| <b>Formation End Depth UOM:</b>                     |                          | ft                             |                      |             |           |
| <br>  |                          |                                |                      |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |                                |                      |             |           |
| <b>Method Construction ID:</b>                      |                          | 961509636                      |                      |             |           |
| <b>Method Construction Code:</b>                    |                          | 1                              |                      |             |           |
| <b>Method Construction:</b>                         |                          | Cable Tool                     |                      |             |           |
| <b>Other Method Construction:</b>                   |                          |                                |                      |             |           |
| <br>  |                          |                                |                      |             |           |
| <b><u>Pipe Information</u></b>                      |                          |                                |                      |             |           |
| <b>Pipe ID:</b>                                     |                          | 10580238                       |                      |             |           |
| <b>Casing No:</b>                                   |                          | 1                              |                      |             |           |
| <b>Comment:</b>                                     |                          |                                |                      |             |           |
| <b>Alt Name:</b>                                    |                          |                                |                      |             |           |
| <br>  |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>          |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                   |                          | 930055976                      |                      |             |           |
| <b>Layer:</b>                                       |                          | 1                              |                      |             |           |
| <b>Material:</b>                                    |                          | 1                              |                      |             |           |
| <b>Open Hole or Material:</b>                       |                          | STEEL                          |                      |             |           |
| <b>Depth From:</b>                                  |                          |                                |                      |             |           |
| <b>Depth To:</b>                                    |                          | 40.0                           |                      |             |           |
| <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>                                |                          | 991509636                      |                      |             |           |
| <b>Pump Set At:</b>                                 |                          |                                |                      |             |           |
| <b>Static Level:</b>                                |                          | 3.0                            |                      |             |           |
| <b>Final Level After Pumping:</b>                   |                          | 30.0                           |                      |             |           |
| <b>Recommended Pump Depth:</b>                      |                          | 38.0                           |                      |             |           |
| <b>Pumping Rate:</b>                                |                          | 8.0                            |                      |             |           |
| <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>Water Details</u></b>                         |                          |                                |                      |             |           |
| <b>Water ID:</b>                                    |                          | 933464522                      |                      |             |           |

| Map Key                | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site        | DB                |
|------------------------|-------------------|-------------------------|---------------|-------------|-------------------|
| Layer:                 |                   |                         | 1             |             |                   |
| Kind Code:             |                   |                         | 1             |             |                   |
| Kind:                  |                   |                         | FRESH         |             |                   |
| Water Found Depth:     |                   |                         | 35.0          |             |                   |
| Water Found Depth UOM: |                   |                         | ft            |             |                   |
| <b>Links</b>           |                   |                         |               |             |                   |
| Bore Hole ID:          | 10031668          |                         |               | Tag No:     |                   |
| Depth M:               | 12.192            |                         |               | Contractor: | 1802              |
| Year Completed:        | 1968              |                         |               | Path:       | 150\1509636.pdf   |
| Well Completed Dt:     | 1968/08/01        |                         |               | Latitude:   | 45.4451792622728  |
| Audit No:              |                   |                         |               | Longitude:  | -75.5286169248586 |

|                     |                     |         |             |                    |                      |
|---------------------|---------------------|---------|-------------|--------------------|----------------------|
| <a href="#">84</a>  | 1 of 1              | E/276.3 | 89.8 / 0.95 | lot 4 con 3 ON     | WWIS                 |
| Well ID:            | 1501408             |         |             | Flowing (Y/N):     |                      |
| Construction Date:  |                     |         |             | Flow Rate:         |                      |
| Use 1st:            | Domestic            |         |             | Data Entry Status: |                      |
| Use 2nd:            | 0                   |         |             | Data Src:          | 1                    |
| Final Well Status:  | Water Supply        |         |             | Date Received:     | 03-Dec-1963 00:00:00 |
| Water Type:         |                     |         |             | Selected Flag:     | TRUE                 |
| Casing Material:    |                     |         |             | Abandonment Rec:   |                      |
| Audit No:           |                     |         |             | Contractor:        | 1504                 |
| Tag:                |                     |         |             | Form Version:      | 1                    |
| Constructn Method:  |                     |         |             | Owner:             |                      |
| Elevation (m):      |                     |         |             | County:            | OTTAWA-CARLETON      |
| Elevatn Reliabilty: |                     |         |             | Lot:               | 004                  |
| Depth to Bedrock:   |                     |         |             | Concession:        | 03                   |
| Well Depth:         |                     |         |             | Concession Name:   | OF                   |
| Overburden/Bedrock: |                     |         |             | Easting NAD83:     |                      |
| Pump Rate:          |                     |         |             | Northing NAD83:    |                      |
| Static Water Level: |                     |         |             | Zone:              |                      |
| Clear/Cloudy:       |                     |         |             | UTM Reliability:   |                      |
| Municipality:       | GLOUCESTER TOWNSHIP |         |             |                    |                      |
| Site Info:          |                     |         |             |                    |                      |

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1501408.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501408.pdf)

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

|                      |                   |
|----------------------|-------------------|
| Well Completed Date: | 1963/11/11        |
| Year Completed:      | 1963              |
| Depth (m):           | 12.8016           |
| Latitude:            | 45.4484507291454  |
| Longitude:           | -75.5218698169808 |
| Path:                | 150\1501408.pdf   |

**Bore Hole Information**

|                  |  |                  |                                 |
|------------------|--|------------------|---------------------------------|
| Bore Hole ID:    | 10023451   | Elevation:       |                                 |
| DP2BR:           |  | Elevrc:          |                                 |
| Spatial Status:  |  | Zone:            | 18                              |
| Code OB:         |  | East83:          | 459190.80                       |
| Code OB Desc:    |  | North83:         | 5032902.00                      |
| Open Hole:       |  | Org CS:          |                                 |
| Cluster Kind:    |  | UTMRC:           | 5                               |
| Date Completed:  | 11-Nov-1963 00:00:00   | UTMRC Desc:      | margin of error : 100 m - 300 m |
| Remarks:         |  | Location Method: | p5                              |
| Loc Method Desc: | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m |                  |                                 |
| Elevrc Desc:     |  |                  |                                 |

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

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

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930991762  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 02  
**Most Common Material:** TOPSOIL  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 2.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930991763  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 2.0  
**Formation End Depth:** 42.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961501408  
**Method Construction Code:** 7  
**Method Construction:** Diamond  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10572021  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930039786  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**



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

**Depth To:** 12.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930039787  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 42.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991501408  
**Pump Set At:**  
**Static Level:** 20.0  
**Final Level After Pumping:** 48.0  
**Recommended Pump Depth:** 20.0  
**Pumping Rate:** 6.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 5.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 2  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Water Details**

**Water ID:** 933454115  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 42.0  
**Water Found Depth UOM:** ft

**Links**

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <b>Bore Hole ID:</b> 10023451        | <b>Tag No:</b>                      |
| <b>Depth M:</b> 12.8016              | <b>Contractor:</b> 1504             |
| <b>Year Completed:</b> 1963          | <b>Path:</b> 150\1501408.pdf        |
| <b>Well Completed Dt:</b> 1963/11/11 | <b>Latitude:</b> 45.4484507291454   |
| <b>Audit No:</b>                     | <b>Longitude:</b> -75.5218698169808 |

|                           |              |                           |                      |                   |      |
|---------------------------|--------------|---------------------------|----------------------|-------------------|------|
| <a href="#">85</a>        | 1 of 1       | ENE/277.2                 | 88.9 / 0.00          | lot 5 con 2<br>ON | WWIS |
| <b>Well ID:</b>           | 1501209      | <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>     | 19-Jan-1960 00:00:00 |                   |      |

| Map Key                                  | Number of Records    | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site                    | DB                              |
|--|----------------------|---|------------------|-------------------------|---------------------------------|
| <b>Water Type:</b>                       |                      |   |                  | <b>Selected Flag:</b>   | TRUE                            |
| <b>Casing Material:</b>                  |                      |   |                  | <b>Abandonment Rec:</b> |                                 |
| <b>Audit No:</b>                         |                      |   |                  | <b>Contractor:</b>      | 1504                            |
| <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>             | 005                             |
| <b>Depth to Bedrock:</b>                 |                      |   |                  | <b>Concession:</b>      | 02                              |
| <b>Well Depth:</b>                       |                      |   |                  | <b>Concession Name:</b> | OF                              |
| <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>                     |                      | GLOUCESTER TOWNSHIP   |                  |                         |                                 |
| <b>Site Info:</b>                        |                      |   |                  |                         |                                 |
| <b>PDF URL (Map):</b>                    |                      | https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501209.pdf |                  |                         |                                 |
| <b><u>Additional Detail(s) (Map)</u></b> |                      |   |                  |                         |                                 |
| <b>Well Completed Date:</b>              |                      | 1959/09/22  |                  |                         |                                 |
| <b>Year Completed:</b>                   |                      | 1959  |                  |                         |                                 |
| <b>Depth (m):</b>                        |                      | 12.192  |                  |                         |                                 |
| <b>Latitude:</b>                         |                      | 45.4496167452857  |                  |                         |                                 |
| <b>Longitude:</b>                        |                      | -75.522775751816  |                  |                         |                                 |
| <b>Path:</b>                             |                      | 150\1501209.pdf   |                  |                         |                                 |
| <b><u>Bore Hole Information</u></b>      |                      |   |                  |                         |                                 |
| <b>Bore Hole ID:</b>                     | 10023252             |   |                  | <b>Elevation:</b>       |                                 |
| <b>DP2BR:</b>                            |                      |   |                  | <b>Elevrc:</b>          |                                 |
| <b>Spatial Status:</b>                   |                      |   |                  | <b>Zone:</b>            | 18                              |
| <b>Code OB:</b>                          |                      |   |                  | <b>East83:</b>          | 459120.80                       |
| <b>Code OB Desc:</b>                     |                      |   |                  | <b>North83:</b>         | 5033032.00                      |
| <b>Open Hole:</b>                        |                      |   |                  | <b>Org CS:</b>          |                                 |
| <b>Cluster Kind:</b>                     |                      |   |                  | <b>UTMRC:</b>           | 5                               |
| <b>Date Completed:</b>                   | 22-Sep-1959 00:00:00 |   |                  | <b>UTMRC Desc:</b>      | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                          |                      |   |                  | <b>Location Method:</b> | p5                              |
| <b>Loc Method Desc:</b>                  |                      | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>                     | 930991244            |   |                  |                         |                                 |
| <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>              | 14.0                 |   |                  |                         |                                 |
| <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 Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                                    |                          | 930991246                          |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Color:</b>   |                          |                                    |                          |             |           |
| <b>General Color:</b>                                   |                          |                                    |                          |             |           |
| <b>Mat1:</b>  |                          | 15                                 |                          |             |           |
| <b>Most Common Material:</b>                            |                          | LIMESTONE                          |                          |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |
| <b>Mat2 Desc:</b>                                       |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          |                                    |                          |             |           |
| <b>Mat3 Desc:</b>                                       |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                             |                          | 17.0                               |                          |             |           |
| <b>Formation End Depth:</b>                             |                          | 40.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                         |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                                    |                          | 930991245                          |                          |             |           |
| <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>                             |                          | 14.0                               |                          |             |           |
| <b>Formation End Depth:</b>                             |                          | 17.0                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                         |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                          |                          | 961501209                          |                          |             |           |
| <b>Method Construction Code:</b>                        |                          | 7                                  |                          |             |           |
| <b>Method Construction:</b>                             |                          | Diamond                            |                          |             |           |
| <b>Other Method Construction:</b>                       |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                          |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>   |                          | 10571822                           |                          |             |           |
| <b>Casing No:</b>                                       |                          | 1                                  |                          |             |           |
| <b>Comment:</b>   |                          |                                    |                          |             |           |
| <b>Alt Name:</b>  |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>              |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                       |                          | 930039397                          |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Material:</b>  |                          |                                    |                          |             |           |
| <b>Open Hole or Material:</b>                           |                          |                                    |                          |             |           |
| <b>Depth From:</b>                                      |                          |                                    |                          |             |           |
| <b>Depth To:</b>  |                          | 17.0                               |                          |             |           |
| <b>Casing Diameter:</b>                                 |                          | 2.0                                |                          |             |           |
| <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>                           |                          | 930039398                          |                          |                    |                  |
| <b>Layer:</b>                               |                          | 3                                  |                          |                    |                  |
| <b>Material:</b>                            |                          | 4                                  |                          |                    |                  |
| <b>Open Hole or Material:</b>               |                          | OPEN HOLE                          |                          |                    |                  |
| <b>Depth From:</b>                          |                          |                                    |                          |                    |                  |
| <b>Depth To:</b>                            |                          | 40.0                               |                          |                    |                  |
| <b>Casing Diameter:</b>                     |                          | 2.0                                |                          |                    |                  |
| <b>Casing Diameter UOM:</b>                 |                          | inch                               |                          |                    |                  |
| <b>Casing Depth UOM:</b>                    |                          | ft                                 |                          |                    |                  |
| <b><u>Construction Record - Casing</u></b>  |                          |                                    |                          |                    |                  |
| <b>Casing ID:</b>                           |                          | 930039396                          |                          |                    |                  |
| <b>Layer:</b>                               |                          | 1                                  |                          |                    |                  |
| <b>Material:</b>                            |                          | 1                                  |                          |                    |                  |
| <b>Open Hole or Material:</b>               |                          | STEEL                              |                          |                    |                  |
| <b>Depth From:</b>                          |                          |                                    |                          |                    |                  |
| <b>Depth To:</b>                            |                          | 15.0                               |                          |                    |                  |
| <b>Casing Diameter:</b>                     |                          | 2.0                                |                          |                    |                  |
| <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>                        |                          | 991501209                          |                          |                    |                  |
| <b>Pump Set At:</b>                         |                          |                                    |                          |                    |                  |
| <b>Static Level:</b>                        |                          | 3.0                                |                          |                    |                  |
| <b>Final Level After Pumping:</b>           |                          | 20.0                               |                          |                    |                  |
| <b>Recommended Pump Depth:</b>              |                          | 20.0                               |                          |                    |                  |
| <b>Pumping Rate:</b>                        |                          | 9.0                                |                          |                    |                  |
| <b>Flowing Rate:</b>                        |                          |                                    |                          |                    |                  |
| <b>Recommended Pump Rate:</b>               |                          | 9.0                                |                          |                    |                  |
| <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>                 |                          | 2                                  |                          |                    |                  |
| <b>Pumping Duration MIN:</b>                |                          | 0                                  |                          |                    |                  |
| <b>Flowing:</b>                             |                          | No                                 |                          |                    |                  |
| <b><u>Water Details</u></b>                 |                          |                                    |                          |                    |                  |
| <b>Water ID:</b>                            |                          | 933453903                          |                          |                    |                  |
| <b>Layer:</b>                               |                          | 1                                  |                          |                    |                  |
| <b>Kind Code:</b>                           |                          | 1                                  |                          |                    |                  |
| <b>Kind:</b>                                |                          | FRESH                              |                          |                    |                  |
| <b>Water Found Depth:</b>                   |                          | 40.0                               |                          |                    |                  |
| <b>Water Found Depth UOM:</b>               |                          | ft                                 |                          |                    |                  |
| <b><u>Links</u></b>                         |                          |                                    |                          |                    |                  |
| <b>Bore Hole ID:</b>                        | 10023252                 |                                    |                          | <b>Tag No:</b>     |                  |
| <b>Depth M:</b>                             | 12.192                   |                                    |                          | <b>Contractor:</b> | 1504             |
| <b>Year Completed:</b>                      | 1959                     |                                    |                          | <b>Path:</b>       | 150\1501209.pdf  |
| <b>Well Completed Dt:</b>                   | 1959/09/22               |                                    |                          | <b>Latitude:</b>   | 45.4496167452857 |
| <b>Audit No:</b>                            |                          |                                    |                          | <b>Longitude:</b>  | -75.522775751816 |

| Map Key                                | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                       | DB              |
|--|---|----------------------------|------------------|----------------------------|-----------------|
| 86                                     | 1 of 1  | ENE/277.3                  | 88.9 / 0.00      | ON                         | BORE            |
| <b>Borehole ID:</b>                    | 615255  |                            |                  | <b>Inclin FLG:</b>         | No              |
| <b>OGF ID:</b>                         | 215516197   |                            |                  | <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>                | SEP-1959  |                            |                  | <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>        | 45.449619       |
| <b>Total Depth m:</b>                  | 12.2  |                            |                  | <b>Longitude DD:</b>       | -75.522776      |
| <b>Depth Ref:</b>                      | Ground Surface  |                            |                  | <b>UTM Zone:</b>           | 18              |
| <b>Depth Elev:</b>                     |   |                            |                  | <b>Easting:</b>            | 459121          |
| <b>Drill Method:</b>                   |   |                            |                  | <b>Northing:</b>           | 5033032         |
| <b>Orig Ground Elev m:</b>             | 91.4  |                            |                  | <b>Location Accuracy:</b>  |                 |
| <b>Elev Reliabil Note:</b>             |   |                            |                  | <b>Accuracy:</b>           | Not Applicable  |
| <b>DEM Ground Elev m:</b>              | 90.8  |                            |                  |                            |                 |
| <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>             | 218400946   |                            |                  | <b>Mat Consistency:</b>    |                 |
| <b>Top Depth:</b>                      | 4.3   |                            |                  | <b>Material Moisture:</b>  |                 |
| <b>Bottom Depth:</b>                   | 5.2   |                            |                  | <b>Material Texture:</b>   |                 |
| <b>Material Color:</b>                 |   |                            |                  | <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.   |                            |                  |                            |                 |
| <b>Geology Stratum ID:</b>             | 218400947   |                            |                  | <b>Mat Consistency:</b>    | Soft            |
| <b>Top Depth:</b>                      | 5.2   |                            |                  | <b>Material Moisture:</b>  |                 |
| <b>Bottom Depth:</b>                   | 12.2  |                            |                  | <b>Material Texture:</b>   |                 |
| <b>Material Color:</b>                 | Grey  |                            |                  | <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. 000407STONE. 00172STIFF, FISSURED. CLAY. GREY,SOFT,FISSURED. CLAY. GREY,SOF        |                            |                  |                            |                 |
|  | **Note: Many records provided by the department have a truncated [Stratum Description] field. |                            |                  |                            |                 |
| <b>Geology Stratum ID:</b>             | 218400945   |                            |                  | <b>Mat Consistency:</b>    |                 |
| <b>Top Depth:</b>                      | 0   |                            |                  | <b>Material Moisture:</b>  |                 |
| <b>Bottom Depth:</b>                   | 4.3   |                            |                  | <b>Material Texture:</b>   |                 |
| <b>Material Color:</b>                 |   |                            |                  | <b>Non Geo Mat Type:</b>   |                 |
| <b>Material 1:</b>                     | Clay  |                            |                  | <b>Geologic Formation:</b> |                 |
| <b>Material 2:</b>                     |   |                            |                  | <b>Geologic Group:</b>     |                 |
| <b>Material 3:</b>                     |   |                            |                  | <b>Geologic Period:</b>    |                 |
| <b>Material 4:</b>                     |   |                            |                  | <b>Depositional Gen:</b>   |                 |
| <b>Gsc Material Description:</b>       |   |                            |                  |                            |                 |
| <b>Stratum Description:</b>            | CLAY.   |                            |                  |                            |                 |
| <b><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               |

| Map Key   | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site  | DB   |
|---|-------------------|----------------------------|------------------|---|------|
| <b>Source Date:</b> 1956-1972<br><b>Confidence:</b><br><b>Observatio:</b><br><b>Source Name:</b> Urban Geology Automated Information System (UGAIS)<br><b>Source Details:</b> File: OTTAWA2.txt RecordID: 07763 NTS_Sheet:<br><b>Confiden 1:</b>  |                   |                            |                  |   |      |
| <b>Scale or Res:</b> Varies<br><b>Horizontal:</b> NAD27<br><b>Verticalda:</b> Mean Average Sea Level  |                   |                            |                  |   |      |
| <b>Source List</b>  |                   |                            |                  |   |      |
| <b>Source Identifier:</b> 1<br><b>Source Type:</b> Data Survey<br><b>Source Date:</b> 1956-1972<br><b>Scale or Resolution:</b> Varies<br><b>Source Name:</b> Urban Geology Automated Information System (UGAIS)<br><b>Source Originators:</b> Geological Survey of Canada   |                   |                            |                  |   |      |
| <b>Horizontal Datum:</b> NAD27<br><b>Vertical Datum:</b> Mean Average Sea Level<br><b>Projection Name:</b> Universal Transverse Mercator  |                   |                            |                  |   |      |
| <a href="#">87</a>  | 1 of 1            | NW/279.6                   | 87.8 / -1.08     | City of Ottawa<br>1708 Aspenview Way<br>Ottawa ON K1C 6S1             | SPL  |
| <b>Ref No:</b> 0718-B75LAU<br><b>Site No:</b> NA<br><b>Incident Dt:</b> 2018/12/04<br><b>Year:</b><br><b>Incident Cause:</b><br><b>Incident Event:</b> Leak/Break<br><b>Contaminant Code:</b> 15<br><b>Contaminant Name:</b> HYDRAULIC OIL<br><b>Contaminant Limit 1:</b><br><b>Contam Limit Freq 1:</b> n/a<br><b>Contaminant UN No 1:</b> n/a<br><b>Environment Impact:</b><br><b>Nature of Impact:</b><br><b>Receiving Medium:</b><br><b>Receiving Env:</b> Land<br><b>MOE Response:</b> No<br><b>Dt MOE Arvl on Scn:</b><br><b>MOE Reported Dt:</b> 2018/12/04<br><b>Dt Document Closed:</b> 2018/12/05<br><b>Incident Reason:</b> Material Failure - Poor Design/Substandard Material<br><b>Site Name:</b> Hydraulic Oil Spill Site<UNOFFICIAL><br><b>Site County/District:</b><br><b>Site Geo Ref Meth:</b><br><b>Incident Summary:</b> City of Ottawa: Unknown Quantity of Hydraulic Oil to Ground<br><b>Contaminant Qty:</b> 0 other - see incident description |                   |                            |                  |   |      |
| <b>Discharger Report:</b><br><b>Material Group:</b><br><b>Health/Env Conseq:</b> 0 - No Impact<br><b>Client Type:</b> Municipal Government<br><b>Sector Type:</b> Miscellaneous Communal<br><b>Agency Involved:</b><br><b>Nearest Watercourse:</b><br><b>Site Address:</b> 1708 Aspenview Way<br><b>Site District Office:</b> Ottawa<br><b>Site Postal Code:</b> K1C 6S1<br><b>Site Region:</b> Eastern<br><b>Site Municipality:</b> Ottawa<br><b>Site Lot:</b><br><b>Site Conc:</b><br><b>Northing:</b> 5033083.84<br><b>Easting:</b> 458711.85<br><b>Site Geo Ref Accu:</b><br><b>Site Map Datum:</b><br><b>SAC Action Class:</b> Land Spills<br><b>Source Type:</b> Motor Vehicle  |                   |                            |                  |   |      |
| <a href="#">88</a>  | 1 of 3            | S/283.6                    | 87.9 / -1.00     | ORLEANS BLVD TOWING & RECYCLING<br>2360 PAGE RD<br>ORLEANS ON K1W 1H3 | AUWR |
| <b>Headcode:</b> 00098600<br><b>Headcode Desc:</b> AUTOMOBILE WRECKING & RECYCLING<br><b>Phone:</b><br><b>List Name:</b><br><b>Description:</b>   |                   |                            |                  |   |      |
| <a href="#">88</a>  | 2 of 3            | S/283.6                    | 87.9 / -1.00     | CASH FOR SCRAP<br>2360 PAGE RD<br>OTTAWA ON K1W 1H3                   | AUWR |

| Map Key  | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site   | DB                              |
|--|---|----------------------------|------------------|--|---------------------------------|
| <b>Headcode:</b><br><b>Headcode Desc:</b><br><b>Phone:</b><br><b>List Name:</b><br><b>Description:</b> |   | 01169400                   |                  |  |                                 |
|  |   | SCRAP METALS               |                  |  |                                 |
|  |   | 6138539810                 |                  |  |                                 |
|  |   |                            |                  |  |                                 |
| <a href="#">88</a>   | 3 of 3  | S/283.6                    | 87.9 / -1.00     | ORLEANS BLVD TOWING & RECYCLING<br>2360 PAGE RD<br>ORLEANS ON K1W1H3 | AUWR                            |
| <b>Headcode:</b><br><b>Headcode Desc:</b><br><b>Phone:</b><br><b>List Name:</b><br><b>Description:</b> |   | 00098600                   |                  |  |                                 |
|  |   | CAR WRECKING & RECYCLING   |                  |  |                                 |
|  |   | 6138374545                 |                  |  |                                 |
|  |   |                            |                  |  |                                 |
| <a href="#">89</a>   | 1 of 1  | S/293.3                    | 87.9 / -1.00     | lot 6 con 3<br>ON  | WWIS                            |
| <b>Well ID:</b>  | 1501425   |                            |                  | <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>  | 20-Feb-1962 00:00:00            |
| <b>Water Type:</b>   |   |                            |                  | <b>Selected Flag:</b>  | TRUE                            |
| <b>Casing Material:</b>  |   |                            |                  | <b>Abandonment Rec:</b>  |                                 |
| <b>Audit No:</b>   |   |                            |                  | <b>Contractor:</b>   | 1504                            |
| <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>  | 006                             |
| <b>Depth to Bedrock:</b>   |   |                            |                  | <b>Concession:</b>   | 03                              |
| <b>Well Depth:</b>   |   |                            |                  | <b>Concession Name:</b>  | OF                              |
| <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>   | GLOUCESTER TOWNSHIP   |                            |                  |  |                                 |
| <b>Site Info:</b>  |   |                            |                  |  |                                 |
| <b>PDF URL (Map):</b>  | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501425.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501425.pdf</a> |                            |                  |  |                                 |
| <b><u>Additional Detail(s) (Map)</u></b>   |   |                            |                  |  |                                 |
| <b>Well Completed Date:</b>  | 1961/11/10  |                            |                  |  |                                 |
| <b>Year Completed:</b>   | 1961  |                            |                  |  |                                 |
| <b>Depth (m):</b>  | 16.4592   |                            |                  |  |                                 |
| <b>Latitude:</b>   | 45.4445595372198  |                            |                  |  |                                 |
| <b>Longitude:</b>  | -75.5263733821859   |                            |                  |  |                                 |
| <b>Path:</b>   | 150\1501425.pdf   |                            |                  |  |                                 |
| <b><u>Bore Hole Information</u></b>  |   |                            |                  |  |                                 |
| <b>Bore Hole ID:</b>   | 10023468  |                            |                  | <b>Elevation:</b>  |                                 |
| <b>DP2BR:</b>  |   |                            |                  | <b>Elevrc:</b>   |                                 |
| <b>Spatial Status:</b>   |   |                            |                  | <b>Zone:</b>   | 18                              |
| <b>Code OB:</b>  |   |                            |                  | <b>East83:</b>   | 458835.80                       |
| <b>Code OB Desc:</b>   |   |                            |                  | <b>North83:</b>  | 5032472.00                      |
| <b>Open Hole:</b>  |   |                            |                  | <b>Org CS:</b>   |                                 |
| <b>Cluster Kind:</b>   |   |                            |                  | <b>UTMRC:</b>  | 5                               |
| <b>Date Completed:</b>   | 10-Nov-1961 00:00:00  |                            |                  | <b>UTMRC Desc:</b>   | margin of error : 100 m - 300 m |

| <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>Remarks:</b>                                     |                          |  |                          |             | <b>Location Method:</b> p5 |
| <b>Loc Method Desc:</b>                             |                          | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>                            |                          |  |                          |             |                            |
| <br>  |                          |  |                          |             |                            |
| <b><u>Overburden and Bedrock</u></b>                |                          |  |                          |             |                            |
| <b><u>Materials Interval</u></b>                    |                          |  |                          |             |                            |
| <b>Formation ID:</b>                                |                          | 930991799  |                          |             |                            |
| <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>                         |                          | 36.0   |                          |             |                            |
| <b>Formation End Depth:</b>                         |                          | 54.0   |                          |             |                            |
| <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>                                |                          | 930991798  |                          |             |                            |
| <b>Layer:</b>                                       |                          | 1  |                          |             |                            |
| <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>                         |                          | 0.0  |                          |             |                            |
| <b>Formation End Depth:</b>                         |                          | 36.0   |                          |             |                            |
| <b>Formation End Depth UOM:</b>                     |                          | ft   |                          |             |                            |
| <br>  |                          |  |                          |             |                            |
| <b><u>Method of Construction &amp; Well Use</u></b> |                          |  |                          |             |                            |
| <b>Method Construction ID:</b>                      |                          | 961501425  |                          |             |                            |
| <b>Method Construction Code:</b>                    |                          | 7  |                          |             |                            |
| <b>Method Construction:</b>                         |                          | Diamond  |                          |             |                            |
| <b>Other Method Construction:</b>                   |                          |  |                          |             |                            |
| <br>  |                          |  |                          |             |                            |
| <b><u>Pipe Information</u></b>                      |                          |  |                          |             |                            |
| <b>Pipe ID:</b>                                     |                          | 10572038   |                          |             |                            |
| <b>Casing No:</b>                                   |                          | 1  |                          |             |                            |
| <b>Comment:</b>                                     |                          |  |                          |             |                            |
| <b>Alt Name:</b>                                    |                          |  |                          |             |                            |
| <br>  |                          |  |                          |             |                            |
| <b><u>Construction Record - Casing</u></b>          |                          |  |                          |             |                            |
| <b>Casing ID:</b>                                   |                          | 930039818  |                          |             |                            |
| <b>Layer:</b>                                       |                          | 2  |                          |             |                            |



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

**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 54.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930039817  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 38.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991501425  
**Pump Set At:**  
**Static Level:** 2.0  
**Final Level After Pumping:** 20.0  
**Recommended Pump Depth:** 20.0  
**Pumping Rate:** 12.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 12.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 2  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Water Details**

**Water ID:** 933454132  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 54.0  
**Water Found Depth UOM:** ft

**Links**

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <b>Bore Hole ID:</b> 10023468        | <b>Tag No:</b>                      |
| <b>Depth M:</b> 16.4592              | <b>Contractor:</b> 1504             |
| <b>Year Completed:</b> 1961          | <b>Path:</b> 150\1501425.pdf        |
| <b>Well Completed Dt:</b> 1961/11/10 | <b>Latitude:</b> 45.4445595372198   |
| <b>Audit No:</b>                     | <b>Longitude:</b> -75.5263733821859 |

|                    |        |         |              |                   |      |
|--------------------|--------|---------|--------------|-------------------|------|
| <a href="#">90</a> | 1 of 1 | S/298.3 | 87.9 / -1.00 | lot 6 con 3<br>ON | WWIS |
|--------------------|--------|---------|--------------|-------------------|------|

|                           |                       |
|---------------------------|-----------------------|
| <b>Well ID:</b> 1501443   | <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>                          | 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>     | 15-Aug-1961 00:00:00            |
| <b>Water Type:</b>                       |   |                            |                  | <b>Selected Flag:</b>     | TRUE                            |
| <b>Casing Material:</b>                  |   |                            |                  | <b>Abandonment Rec:</b>   |                                 |
| <b>Audit No:</b>                         |   |                            |                  | <b>Contractor:</b>        | 1504                            |
| <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>               | 006                             |
| <b>Depth to Bedrock:</b>                 |   |                            |                  | <b>Concession:</b>        | 03                              |
| <b>Well Depth:</b>                       |   |                            |                  | <b>Concession Name:</b>   | OF                              |
| <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>                     | GLOUCESTER TOWNSHIP   |                            |                  |                           |                                 |
| <b>Site Info:</b>                        |   |                            |                  |                           |                                 |
| <b>PDF URL (Map):</b>                    | <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501443.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501443.pdf</a> |                            |                  |                           |                                 |
| <b><u>Additional Detail(s) (Map)</u></b> |   |                            |                  |                           |                                 |
| <b>Well Completed Date:</b>              | 1961/06/28  |                            |                  |                           |                                 |
| <b>Year Completed:</b>                   | 1961  |                            |                  |                           |                                 |
| <b>Depth (m):</b>                        | 16.4592   |                            |                  |                           |                                 |
| <b>Latitude:</b>                         | 45.4445145330048  |                            |                  |                           |                                 |
| <b>Longitude:</b>                        | -75.5263729636454   |                            |                  |                           |                                 |
| <b>Path:</b>                             | 150\1501443.pdf   |                            |                  |                           |                                 |
| <b><u>Bore Hole Information</u></b>      |   |                            |                  |                           |                                 |
| <b>Bore Hole ID:</b>                     | 10023486  |                            |                  | <b>Elevation:</b>         |                                 |
| <b>DP2BR:</b>                            |   |                            |                  | <b>Elevrc:</b>            |                                 |
| <b>Spatial Status:</b>                   |   |                            |                  | <b>Zone:</b>              | 18                              |
| <b>Code OB:</b>                          |   |                            |                  | <b>East83:</b>            | 458835.80                       |
| <b>Code OB Desc:</b>                     |   |                            |                  | <b>North83:</b>           | 5032467.00                      |
| <b>Open Hole:</b>                        |   |                            |                  | <b>Org CS:</b>            |                                 |
| <b>Cluster Kind:</b>                     |   |                            |                  | <b>UTMRC:</b>             | 5                               |
| <b>Date Completed:</b>                   | 28-Jun-1961 00:00:00  |                            |                  | <b>UTMRC Desc:</b>        | margin of error : 100 m - 300 m |
| <b>Remarks:</b>                          |   |                            |                  | <b>Location Method:</b>   | p5                              |
| <b>Loc Method Desc:</b>                  | Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 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>                     | 930991839   |                            |                  |                           |                                 |
| <b>Layer:</b>                            | 1   |                            |                  |                           |                                 |
| <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>              | 0.0   |                            |                  |                           |                                 |

| <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:</b>                             |                          | 35.0                           |                      |             |           |
| <b>Formation End Depth UOM:</b>                         |                          | ft                             |                      |             |           |
| <b><u>Overburden and Bedrock Materials Interval</u></b> |                          |                                |                      |             |           |
| <b>Formation ID:</b>                                    |                          | 930991840                      |                      |             |           |
| <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>                             |                          | 35.0                           |                      |             |           |
| <b>Formation End Depth:</b>                             |                          | 54.0                           |                      |             |           |
| <b>Formation End Depth UOM:</b>                         |                          | ft                             |                      |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>     |                          |                                |                      |             |           |
| <b>Method Construction ID:</b>                          |                          | 961501443                      |                      |             |           |
| <b>Method Construction Code:</b>                        |                          | 7                              |                      |             |           |
| <b>Method Construction:</b>                             |                          | Diamond                        |                      |             |           |
| <b>Other Method Construction:</b>                       |                          |                                |                      |             |           |
| <b><u>Pipe Information</u></b>                          |                          |                                |                      |             |           |
| <b>Pipe ID:</b>   |                          | 10572056                       |                      |             |           |
| <b>Casing No:</b>                                       |                          | 1                              |                      |             |           |
| <b>Comment:</b>   |                          |                                |                      |             |           |
| <b>Alt Name:</b>  |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>              |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                       |                          | 930039854                      |                      |             |           |
| <b>Layer:</b>   |                          | 2                              |                      |             |           |
| <b>Material:</b>  |                          | 4                              |                      |             |           |
| <b>Open Hole or Material:</b>                           |                          | OPEN HOLE                      |                      |             |           |
| <b>Depth From:</b>                                      |                          |                                |                      |             |           |
| <b>Depth To:</b>  |                          | 54.0                           |                      |             |           |
| <b>Casing Diameter:</b>                                 |                          | 2.0                            |                      |             |           |
| <b>Casing Diameter UOM:</b>                             |                          | inch                           |                      |             |           |
| <b>Casing Depth UOM:</b>                                |                          | ft                             |                      |             |           |
| <b><u>Construction Record - Casing</u></b>              |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                       |                          | 930039853                      |                      |             |           |
| <b>Layer:</b>   |                          | 1                              |                      |             |           |
| <b>Material:</b>  |                          | 1                              |                      |             |           |
| <b>Open Hole or Material:</b>                           |                          | STEEL                          |                      |             |           |
| <b>Depth From:</b>                                      |                          |                                |                      |             |           |
| <b>Depth To:</b>  |                          | 37.0                           |                      |             |           |
| <b>Casing Diameter:</b>                                 |                          | 2.0                            |                      |             |           |
| <b>Casing Diameter UOM:</b>                             |                          | inch                           |                      |             |           |
| <b>Casing Depth UOM:</b>                                |                          | 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> |
|-------------------------------------|--------------------------|--------------------------------|----------------------|-------------|-----------|
| <i>Pumping Test Method Desc:</i>    |                          | PUMP                           |                      |             |           |
| <i>Pump Test ID:</i>                |                          | 991501443                      |                      |             |           |
| <i>Pump Set At:</i>                 |                          |                                |                      |             |           |
| <i>Static Level:</i>                |                          |                                |                      |             |           |
| <i>Final Level After Pumping:</i>   |                          | 20.0                           |                      |             |           |
| <i>Recommended Pump Depth:</i>      |                          | 20.0                           |                      |             |           |
| <i>Pumping Rate:</i>                |                          | 10.0                           |                      |             |           |
| <i>Flowing Rate:</i>                |                          |                                |                      |             |           |
| <i>Recommended Pump Rate:</i>       |                          | 10.0                           |                      |             |           |
| <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>                     |                          | Yes                            |                      |             |           |

**Water Details**

*Water ID:* 933454150  
*Layer:* 1  
*Kind Code:* 1  
*Kind:* FRESH  
*Water Found Depth:* 54.0  
*Water Found Depth UOM:* ft

**Links**

|                           |            |                    |                   |
|---------------------------|------------|--------------------|-------------------|
| <i>Bore Hole ID:</i>      | 10023486   | <i>Tag No:</i>     |                   |
| <i>Depth M:</i>           | 16.4592    | <i>Contractor:</i> | 1504              |
| <i>Year Completed:</i>    | 1961       | <i>Path:</i>       | 150\1501443.pdf   |
| <i>Well Completed Dt:</i> | 1961/06/28 | <i>Latitude:</i>   | 45.4445145330048  |
| <i>Audit No:</i>          |            | <i>Longitude:</i>  | -75.5263729636454 |

# Unplottable Summary

Total: **44** Unplottable sites

| DB | Company Name/Site Name              | Address  | City               | Postal |
|----|-------------------------------------|--|--------------------|--------|
| CA | REG. MUN. OF OTTAWA-CARLETON        | INNES RD.  | GLOUCESTER CITY ON |        |
| CA | KLAUS MORITZ                        | INNES RD.  | GLOUCESTER CITY ON |        |
| CA | KLAUS MORITZ                        | INNES RD.  | GLOUCESTER CITY ON |        |
| CA | THE DOUGLAS MACDONALD DEVELOP.CORP. | INNES RD.  | GLOUCESTER CITY ON |        |
| CA | THE DOUGLAS MACDONALD DEVELOP.CORP. | INNES RD.  | GLOUCESTER CITY ON |        |
| CA | Page Road Pond No. 1                | Pt. of Lot 5, Concession 3 O.F., Plan 4R-7806                                    | Gloucester ON      |        |
| CA |                                     | Page Rd Allowance bwt Lots 5 and 6, Conc. III                                    | Ottawa ON          |        |
| CA |                                     | Part of Lots 5 and 6, Conc. 3 Page Rd and Hydro Corridor Pt 2, Ref Plan 5R-14021 | Ottawa ON          |        |
| CA |                                     | Lot 6, Concession 2 and 3  | Ottawa ON          |        |
| CA |                                     | Lot 6, Concession 2 and 3  | Ottawa ON          |        |
| CA |                                     | Lot 6, Concession 2 and 3  | Ottawa ON          |        |
| CA | 1374421 Ontario Ltd.                | North Part of Lot 6, Concession III  | Ottawa ON          |        |
| CA | Longwood Building Corporation       | Part of Lot 6, Between Concession 2 & 3  | Ottawa ON          |        |
| CA | R. M. OF OTTAWA-CARLETON            | INNES RD. SEWAGE PUMPING STAT.   | GLOUCESTER CITY ON |        |
| CA | MINTO CONSTRUCTION LTD.             | MEADOWGLEN DR.   | GLOUCESTER CITY ON |        |
| CA | MINTO CONSTRUCTION LTD              | MEADOWGLEN DR.   | GLOUCESTER CITY ON |        |
| CA | DOMICILE DEVELOPMENTS INC. IN TRUST | PRIVATE STREET #1/INNES ROAD   | GLOUCESTER CITY ON |        |

|     |   |   |                               |
|-----|---|---|-------------------------------|
| CA  | R.M. OF OTTAWA-CARLETON,                    | INNES RD. TRANSPORTATION DEPT.  | GLOUCESTER CITY ON            |
| CA  | MINTO CONSTRUCTION                          | THORNECREST ST. CHAPEL HILL E.  | GLOUCESTER CITY ON            |
| CA  | MINTO CONSTRUCTION LTD.<br>STAGE II         | MEADOWGLEN DR. CHAPEL HILL E.   | GLOUCESTER CITY ON            |
| CA  | LIFE CENTRE - STORMWATER<br>MANAGEMENT FAC. | INNES ROAD/MUD CREEK  | GLOUCESTER CITY ON            |
| CA  | LIFE CENTRE - LIFE CENTRE<br>CHURCH         | INNES ROAD  | GLOUCESTER CITY ON            |
| CA  | DOMICILE DEVELOPMENTS<br>INC. IN TRUST      | PRIVATE STREET INNES ROAD   | GLOUCESTER CITY ON            |
| CA  | MICHEL LAMARCHE<br>ENTERPRISES INC.         | PAGE ROAD X-7-1094-89   | GLOUCESTER CITY ON            |
| CA  | MICHEL LAMARCHE<br>ENTERPRISES INC. PRIVATE | MEADOWGLEN DR./PAGE X3-1323-89  | GLOUCESTER CITY ON            |
| CA  | R.M. OF OTTAWA-CARLETON                     | INNES RD. NORTH SIDE  | GLOUCESTER CITY ON            |
| CA  | MINTO CONSTRUCTION LTD.<br>ARBOURWOOD CRES  | MEADOWGLEN DRIVE  | GLOUCESTER CITY ON            |
| CA  | R.M. OF OTTAWA-CARLETON                     | INNES ROAD  | GLOUCESTER CITY ON            |
| CA  | MINTO CONSTRUCTION<br>CHAPEL HILL EAST      | THORNECREST STREET  | GLOUCESTER CITY ON            |
| CA  | MINTO CONSTRUCTION LTD.<br>ARBOURWOOD CRES. | MEADOWGLEN DRIVE  | GLOUCESTER CITY ON            |
| CA  | MINTO CONSTRUCTION LTD.                     | MEADOWGLEN DR.  | GLOUCESTER CITY ON            |
| GEN | Bell Canada                                 | VARIOUS BELL CANADA MANHOLES AND<br>ACCESS CHAMBERS WITHIN THE MOE<br>NORTHERN REGION | (SEE SCHEDULE "B") ON K1P 6L9 |
| GEN | Bell Canada                                 | VARIOUS BELL CANADA MANHOLES AND<br>ACCESS CHAMBERS WITHIN THE MOE<br>NORTHERN REGION | (SEE SCHEDULE "B") ON K1P 6L9 |
| GEN | Bell Canada                                 | VARIOUS BELL CANADA MANHOLES AND<br>ACCESS CHAMBERS WITHIN THE MOE<br>EASTERN REG.    | (SEE SCHEDULE "B") ON K1P 6L9 |
| GEN | Bell Canada                                 | VARIOUS BELL CANADA MANHOLES AND<br>ACCESS CHAMBERS WITHIN THE MOE<br>NORTHERN REGION | (SEE SCHEDULE "B") ON K1P 6L9 |
| GEN | Bell Canada                                 | VARIOUS BELL CANADA MANHOLES AND<br>ACCESS CHAMBERS WITHIN THE MOE<br>EASTERN REG.    | (SEE SCHEDULE "B") ON         |
| GEN | Bell Canada                                 | VARIOUS BELL CANADA MANHOLES AND<br>ACCESS CHAMBERS WITHIN THE MOE<br>EASTERN REG.    | (SEE SCHEDULE "B") ON K1P 6L9 |

|      |                     |  |                               |
|------|---------------------|--|-------------------------------|
| GEN  | Bell Canada         | VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE EASTERN REG. | (SEE SCHEDULE "B") ON K1P 6L9 |
| SPL  | City of Ottawa      | Innes Road just east of 10 th Line<br><UNOFFICIAL>                           | Ottawa ON                     |
| SPL  | City of Ottawa      | and Page Road  | Ottawa ON                     |
| SPL  | Bell Canada         |  | Ottawa ON                     |
| SPL  | UNKNOWN             | GREEN CREEK @ INNES RD.  | GLOUCESTER CITY ON            |
| SPL  | Unknown<UNOFFICIAL> | Innes Rd Eastbound at Blair  | Ottawa ON                     |
| WWIS |                     | lot 4 con 2  | ON                            |

# Unplottable Report

---

**Site:** REG. MUN. OF OTTAWA-CARLETON  
INNES RD. GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 7-0153-85-006  
**Application Year:** 85  
**Issue Date:** 3/21/85  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** KLAUS MORITZ  
INNES RD. GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 7-0394-85-006  
**Application Year:** 85  
**Issue Date:** 5/30/85  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** KLAUS MORITZ  
INNES RD. GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 3-0583-85-006  
**Application Year:** 85  
**Issue Date:** 6/7/85  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** THE DOUGLAS MACDONALD DEVELOP.CORP.  
INNES RD. GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 7-1125-85-006



**Application Year:** 85  
**Issue Date:** 12/23/85  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** THE DOUGLAS MACDONALD DEVELOP.CORP.  
INNES RD. GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 3-1487-85-006  
**Application Year:** 85  
**Issue Date:** 12/23/85  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Page Road Pond No. 1  
Pt. of Lot 5, Concession 3 O.F., Plan 4R-7806 Gloucester ON

**Database:**  
CA

**Certificate #:** 3330-4SUM4R  
**Application Year:** 01  
**Issue Date:** 3/7/01  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Corporation of the City of Ottawa  
**Client Address:** 1595, Telesat Court  
**Client City:** Gloucester  
**Client Postal Code:** K1G 3V5  
**Project Description:** This application is for the construction of a storm water management facility (Page Road Pond No. 1) designed for storm water quality and peak flow control serving the East Urba Community.  
**Contaminants:**  
**Emission Control:**

---

**Site:** Page Rd Allowance bwt Lots 5 and 6, Conc. III Ottawa ON

**Database:**  
CA

**Certificate #:** 4785-4XFRCP  
**Application Year:** 01  
**Issue Date:** 6/8/01  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Corporation of the City of Ottawa  
**Client Address:** 110 Laurier Avenue West  
**Client City:** Ottawa  
**Client Postal Code:** K1P 1J1  
**Project Description:** The works consist of installation of about 240 m of twin forcemains (300 mm and 400 mm dia.) that will become part of the future Forest Valley P.S. forcemains. The works will be done at this time to take advantage of the road construction. The works include connection to the existing M. H. (bulkheads will be provided at stub ends) and

installation of the drain chamber. The forcemains is located within Page Road from approximately 40 m south of Montpelier PL to approximately 280 m south of Montpelier PL.

**Contaminants:**  
**Emission Control:**

---

**Site:** Part of Lots 5 and 6, Conc. 3 Page Rd and Hydro Corridor Pt 2, Ref Plan 5R-14021 Ottawa ON

**Database:**  
CA

**Certificate #:** 7125-4WTRKD  
**Application Year:** 01  
**Issue Date:** 5/18/01  
**Approval Type:** Municipal & Private water  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Corporation of the City of Ottawa  
**Client Address:** 110 Laurier Avenue West  
**Client City:** Ottawa  
**Client Postal Code:** K1P 1J1  
**Project Description:** watermains to be constructed on Page Road and Easement within Hydro Corridor  
**Contaminants:**  
**Emission Control:**

---

**Site:** Lot 6, Concession 2 and 3 Ottawa ON

**Database:**  
CA

**Certificate #:** 6816-54HQ5P  
**Application Year:** 01  
**Issue Date:** 11/16/01  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** KNL Developments Inc.  
**Client Address:** 222 Somerset Street West, Suite 300  
**Client City:** Ottawa  
**Client Postal Code:** K2P 2G3  
**Project Description:** Sanitary Sewers including appurtenances from approximately 50m west of Ironside Court to the Goulbourn Forced Road to serve the Kanata Lakes Subdivision, City of Ottawa  
**Contaminants:**  
**Emission Control:**

---

**Site:** Lot 6, Concession 2 and 3 Ottawa ON

**Database:**  
CA

**Certificate #:** 5772-4W5M6D  
**Application Year:** 01  
**Issue Date:** 4/25/01  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** KNL Developments Inc.  
**Client Address:** 222 Somerset Street West, Suite 300  
**Client City:** Ottawa  
**Client Postal Code:** K2P 2G3  
**Project Description:** Storm and sanitary sewers to be constructed on Witherspoon Crescent  
**Contaminants:**  
**Emission Control:**

---

**Site:** Lot 6, Concession 2 and 3 Ottawa ON

**Database:**  
CA

**Certificate #:** 1760-4W5ML6  
**Application Year:** 01  
**Issue Date:** 4/25/01

**Approval Type:** Municipal & Private water  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** KNL Developments Inc.  
**Client Address:** 222 Somerset Street West, Suite 300  
**Client City:** Ottawa  
**Client Postal Code:** K2P 2G3  
**Project Description:** Watermains to be constructed on Witherspoon Crescent  
**Contaminants:**  
**Emission Control:**

---

**Site:** 1374421 Ontario Ltd.  
North Part of Lot 6, Concession III Ottawa ON

**Database:**  
CA

**Certificate #:** 1907-62VS2P  
**Application Year:** 2004  
**Issue Date:** 7/21/2004  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Longwood Building Corporation  
Part of Lot 6, Between Concession 2 & 3 Ottawa ON

**Database:**  
CA

**Certificate #:** 6229-6EQGQE  
**Application Year:** 2005  
**Issue Date:** 7/28/2005  
**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:** R. M. OF OTTAWA-CARLETON  
INNES RD. SEWAGE PUMPING STAT. GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 3-0358-86-  
**Application Year:** 86  
**Issue Date:** 8/22/1986  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** MINTO CONSTRUCTION LTD.  
MEADOWGLEN DR. GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 3-1594-86-  
**Application Year:** 86  
**Issue Date:** 10/16/1986  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** MINTO CONSTRUCTION LTD  
MEADOWGLEN DR. GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 7-1452-87-  
**Application Year:** 87  
**Issue Date:** 9/24/1987  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** DOMICILE DEVELOPMENTS INC. IN TRUST  
PRIVATE STREET #1/INNES ROAD GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 7-0032-90-  
**Application Year:** 90  
**Issue Date:** 2/1/1990  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** R.M. OF OTTAWA-CARLETON,  
INNES RD. TRANSPORTATION DEPT. GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 7-0814-88-  
**Application Year:** 88  
**Issue Date:** 6/28/1988  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**

**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** MINTO CONSTRUCTION  
THORNECREST ST. CHAPEL HILL E. GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 7-1300-86-  
**Application Year:** 86  
**Issue Date:** 10/22/1986  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** MINTO CONSTRUCTION LTD. STAGE II  
MEADOWGLEN DR. CHAPEL HILL E. GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 7-1259-86-  
**Application Year:** 86  
**Issue Date:** 10/16/1986  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** LIFE CENTRE - STORMWATER MANAGEMENT FAC.  
INNES ROAD/MUD CREEK GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 3-0803-91-  
**Application Year:** 91  
**Issue Date:** 9/25/1991  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** LIFE CENTRE - LIFE CENTRE CHURCH  
INNES ROAD GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 3-0926-91-  
**Application Year:** 91  
**Issue Date:** 7/3/1991  
**Approval Type:** Municipal sewage

Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** DOMICILE DEVELOPMENTS INC. IN TRUST  
PRIVATE STREET INNES ROAD GLOUCESTER CITY ON

**Database:**  
CA

Certificate #: 3-0047-90-  
Application Year: 90  
Issue Date: 2/16/1990  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** MICHEL LAMARCHE ENTERPRISES INC.  
PAGE ROAD X-7-1094-89 GLOUCESTER CITY ON

**Database:**  
CA

Certificate #: 3-1323-89-  
Application Year: 89  
Issue Date: 7/17/1989  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** MICHEL LAMARCHE ENTERPRISES INC. PRIVATE  
MEADOWGLEN DR./PAGE X3-1323-89 GLOUCESTER CITY ON

**Database:**  
CA

Certificate #: 3-1305-89-  
Application Year: 89  
Issue Date: 7/17/1989  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** R.M. OF OTTAWA-CARLETON

**Database:**  
CA

**INNES RD. NORTH SIDE GLOUCESTER CITY ON**

**Certificate #:** 3-2060-88-  
**Application Year:** 88  
**Issue Date:** 10/30/1988  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **MINTO CONSTRUCTION LTD.ARBURWOOD CRES  
MEADOWGLEN DRIVE GLOUCESTER CITY ON**

**Database:**  
**CA**

**Certificate #:** 3-0746-88-  
**Application Year:** 88  
**Issue Date:** 5/20/1988  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **R.M. OF OTTAWA-CARLETON  
INNES ROAD GLOUCESTER CITY ON**

**Database:**  
**CA**

**Certificate #:** 3-0734-88-  
**Application Year:** 88  
**Issue Date:** 5/13/1988  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **MINTO CONSTRUCTION CHAPEL HILL EAST  
THORNECREST STREET GLOUCESTER CITY ON**

**Database:**  
**CA**

**Certificate #:** 3-1642-86-  
**Application Year:** 86  
**Issue Date:** 10/22/1986  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**

Contaminants:  
Emission Control:

---

**Site:** MINTO CONSTRUCTION LTD. ARBOURWOOD CRES.  
MEADOWGLEN DRIVE GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 7-0655-88-  
**Application Year:** 88  
**Issue Date:** 5/20/1988  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** MINTO CONSTRUCTION LTD.  
MEADOWGLEN DR. GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 3-1748-87-  
**Application Year:** 87  
**Issue Date:** 9/24/1987  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Bell Canada  
VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE NORTHERN REGION (SEE  
SCHEDULE "B") ON K1P 6L9

**Database:**  
GEN

|                         |   |                           |                   |
|-------------------------|---|---------------------------|-------------------|
| <b>Generator No:</b>    | ONR000306   | <b>Status:</b>            |                   |
| <b>SIC Code:</b>        | 517110, 517210, 517510  | <b>Co Admin:</b>          | Julie Labelle     |
| <b>SIC Description:</b> | WIRED TELECOMMUNICATIONS<br>CARRIERS, WIRELESS<br>TELECOMMUNICATIONS CARRIERS<br>(EXCEPT SATELLITE), 517510 | <b>Choice of Contact:</b> | CO_ADMIN          |
| <b>Approval Years:</b>  | 2015  | <b>Phone No Admin:</b>    | 514-870-0688 Ext. |
| <b>PO Box No:</b>       |   | <b>Contam. Facility:</b>  | No                |
| <b>Country:</b>         | Canada  | <b>MHSW Facility:</b>     | No                |

**Detail(s)**

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS

**Waste Class:** 253  
**Waste Class Desc:** EMULSIFIED OILS

**Waste Class:** 150



**Waste Class Desc:** INERT INORGANIC WASTES

**Waste Class:** 251

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

---

**Site:** *Bell Canada*  
**VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE NORTHERN REGION (SEE SCHEDULE "B") ON K1P 6L9**

**Database:**  
**GEN**

**Generator No:** ONR000306  
**SIC Code:** 517110, 517210, 517510  
**SIC Description:** WIRED TELECOMMUNICATIONS CARRIERS, WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE), 517510

**Status:**  
**Co Admin:** Julie Labelle  
**Choice of Contact:** CO\_OFFICIAL

**Approval Years:** 2014  
**PO Box No:**  
**Country:** Canada

**Phone No Admin:** 514-870-0688 Ext.  
**Contam. Facility:** No  
**MHSW Facility:** No

**Detail(s)**

**Waste Class:** 150  
**Waste Class Desc:** INERT INORGANIC WASTES

**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

**Waste Class:** 253  
**Waste Class Desc:** EMULSIFIED OILS

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

---

**Site:** *Bell Canada*  
**VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE EASTERN REG. (SEE SCHEDULE "B") ON K1P 6L9**

**Database:**  
**GEN**

**Generator No:** ONR000304  
**SIC Code:** 517110, 517210, 517510  
**SIC Description:** WIRED TELECOMMUNICATIONS CARRIERS, WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE), 517510

**Status:**  
**Co Admin:** Chloé Lamothe-Luneau  
**Choice of Contact:** CO\_ADMIN

**Approval Years:** 2016  
**PO Box No:**  
**Country:** Canada

**Phone No Admin:** 514-391-1021 Ext.  
**Contam. Facility:** No  
**MHSW Facility:** No

**Detail(s)**

**Waste Class:** 253  
**Waste Class Desc:** EMULSIFIED OILS

**Waste Class:** 150  
**Waste Class Desc:** INERT INORGANIC WASTES

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS

**Waste Class:** 241  
**Waste Class Desc:** HALOGENATED SOLVENTS

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

**Site:** *Bell Canada*  
*VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE NORTHERN REGION (SEE SCHEDULE "B") ON K1P 6L9*

**Database:**  
*GEN*

**Generator No:** ONR000306  
**SIC Code:** 517110, 517210, 517510  
**SIC Description:** WIRED TELECOMMUNICATIONS CARRIERS, WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE), 517510  
**Approval Years:** 2016  
**PO Box No:**  
**Country:** Canada

**Status:**  
**Co Admin:** Chloé Lamothe-Luneau  
**Choice of Contact:** CO\_ADMIN

**Phone No Admin:** 514-391-1021 Ext.  
**Contam. Facility:** No  
**MHSW Facility:** No

**Detail(s)**

**Waste Class:** 253  
**Waste Class Desc:** EMULSIFIED OILS

**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS

**Waste Class:** 150  
**Waste Class Desc:** INERT INORGANIC WASTES

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

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

**Site:** *Bell Canada*  
*VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE EASTERN REG. (SEE SCHEDULE "B") ON*

**Database:**  
*GEN*

**Generator No:** ONR000304  
**SIC Code:** 517110, 517210, 517510  
**SIC Description:** WIRED TELECOMMUNICATIONS CARRIERS, WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE)  
**Approval Years:** 2013  
**PO Box No:**  
**Country:**

**Status:**  
**Co Admin:**  
**Choice of Contact:**

**Phone No Admin:**  
**Contam. Facility:**  
**MHSW Facility:**

**Detail(s)**

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

**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS

**Waste Class:** 150  
**Waste Class Desc:** INERT INORGANIC WASTES

**Waste Class:** 253  
**Waste Class Desc:** EMULSIFIED OILS

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

**Site:** Bell Canada  
VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE EASTERN REG. (SEE  
SCHEDULE "B") ON K1P 6L9

**Database:**  
GEN

**Generator No:** ONR000304  
**SIC Code:** 517110, 517210, 517510  
**SIC Description:** WIRED TELECOMMUNICATIONS  
CARRIERS, WIRELESS  
TELECOMMUNICATIONS CARRIERS  
(EXCEPT SATELLITE), 517510  
**Approval Years:** 2015  
**PO Box No:**  
**Country:** Canada

**Status:**  
**Co Admin:** Julie Labelle  
**Choice of Contact:** CO\_ADMIN  
**Phone No Admin:** 514-870-0688 Ext.  
**Contam. Facility:** No  
**MHSW Facility:** No

**Detail(s)**

**Waste Class:** 251  
**Waste Class Desc:** OIL SKIMMINGS & SLUDGES  
**Waste Class:** 253  
**Waste Class Desc:** EMULSIFIED OILS  
**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS  
**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS  
**Waste Class:** 241  
**Waste Class Desc:** HALOGENATED SOLVENTS  
**Waste Class:** 150  
**Waste Class Desc:** INERT INORGANIC WASTES

**Site:** Bell Canada  
VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE EASTERN REG. (SEE  
SCHEDULE "B") ON K1P 6L9

**Database:**  
GEN

**Generator No:** ONR000304  
**SIC Code:** 517110, 517210, 517510  
**SIC Description:** WIRED TELECOMMUNICATIONS  
CARRIERS, WIRELESS  
TELECOMMUNICATIONS CARRIERS  
(EXCEPT SATELLITE), 517510  
**Approval Years:** 2014  
**PO Box No:**  
**Country:** Canada

**Status:**  
**Co Admin:** Julie Labelle  
**Choice of Contact:** CO\_OFFICIAL  
**Phone No Admin:** 514-870-0688 Ext.  
**Contam. Facility:** No  
**MHSW Facility:** No

**Detail(s)**

**Waste Class:** 253  
**Waste Class Desc:** EMULSIFIED OILS  
**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS  
**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS  
**Waste Class:** 251  
**Waste Class Desc:** OIL SKIMMINGS & SLUDGES  
**Waste Class:** 150  
**Waste Class Desc:** INERT INORGANIC WASTES  
**Waste Class:** 241

**Site:** City of Ottawa  
Innes Road just east of 10 th Line <UNOFFICIAL> Ottawa ON

**Database:**  
SPL

|                              |  |                              |                     |
|------------------------------|--|------------------------------|---------------------|
| <b>Ref No:</b>               | 3320-6C9JY7  | <b>Discharger Report:</b>    | 0                   |
| <b>Site No:</b>              |  | <b>Material Group:</b>       | Chemical            |
| <b>Incident Dt:</b>          | 5/10/2005  | <b>Health/Env Conseq:</b>    |                     |
| <b>Year:</b>                 |  | <b>Client Type:</b>          |                     |
| <b>Incident Cause:</b>       | Valve / Fitting Leak Or Failure                      | <b>Sector Type:</b>          | Other Motor Vehicle |
| <b>Incident Event:</b>       |  | <b>Agency Involved:</b>      |                     |
| <b>Contaminant Code:</b>     |  | <b>Nearest Watercourse:</b>  |                     |
| <b>Contaminant Name:</b>     | ANTI-FREEZE  | <b>Site Address:</b>         |                     |
| <b>Contaminant Limit 1:</b>  |  | <b>Site District Office:</b> | Ottawa              |
| <b>Contam Limit Freq 1:</b>  |  | <b>Site Postal Code:</b>     |                     |
| <b>Contaminant UN No 1:</b>  |  | <b>Site Region:</b>          |                     |
| <b>Environment Impact:</b>   | Not Anticipated                                      | <b>Site Municipality:</b>    | Ottawa              |
| <b>Nature of Impact:</b>     |  | <b>Site Lot:</b>             |                     |
| <b>Receiving Medium:</b>     | Land   | <b>Site Conc:</b>            |                     |
| <b>Receiving Env:</b>        |  | <b>Northing:</b>             |                     |
| <b>MOE Response:</b>         |  | <b>Easting:</b>              |                     |
| <b>Dt MOE Arvl on Scn:</b>   |  | <b>Site Geo Ref Accu:</b>    |                     |
| <b>MOE Reported Dt:</b>      | 5/10/2005  | <b>Site Map Datum:</b>       |                     |
| <b>Dt Document Closed:</b>   |  | <b>SAC Action Class:</b>     | Spill to Land       |
| <b>Incident Reason:</b>      | Equipment Failure - Malfunction of system components | <b>Source Type:</b>          |                     |
| <b>Site Name:</b>            | Innes Road just east of 10 th Line <UNOFFICIAL>      |                              |                     |
| <b>Site County/District:</b> |  |                              |                     |
| <b>Site Geo Ref Meth:</b>    |  |                              |                     |
| <b>Incident Summary:</b>     | City bus, 10 L antifreeze to ground, cleaning        |                              |                     |
| <b>Contaminant Qty:</b>      |  |                              |                     |

**Site:** City of Ottawa  
and Page Road Ottawa ON

**Database:**  
SPL

|                              |  |                              |               |
|------------------------------|--|------------------------------|---------------|
| <b>Ref No:</b>               | 5674-9XVE8G  | <b>Discharger Report:</b>    |               |
| <b>Site No:</b>              | NA   | <b>Material Group:</b>       |               |
| <b>Incident Dt:</b>          | 6/27/2015  | <b>Health/Env Conseq:</b>    |               |
| <b>Year:</b>                 |  | <b>Client Type:</b>          |               |
| <b>Incident Cause:</b>       | Overflow/Surcharge                                   | <b>Sector Type:</b>          |               |
| <b>Incident Event:</b>       |  | <b>Agency Involved:</b>      |               |
| <b>Contaminant Code:</b>     | 44   | <b>Nearest Watercourse:</b>  |               |
| <b>Contaminant Name:</b>     | SEWAGE,RAW UNCHLORINATED                             | <b>Site Address:</b>         | and Page Road |
| <b>Contaminant Limit 1:</b>  |  | <b>Site District Office:</b> |               |
| <b>Contam Limit Freq 1:</b>  |  | <b>Site Postal Code:</b>     |               |
| <b>Contaminant UN No 1:</b>  |  | <b>Site Region:</b>          |               |
| <b>Environment Impact:</b>   |  | <b>Site Municipality:</b>    | Ottawa        |
| <b>Nature of Impact:</b>     | Land; Surface Water                                  | <b>Site Lot:</b>             |               |
| <b>Receiving Medium:</b>     |  | <b>Site Conc:</b>            |               |
| <b>Receiving Env:</b>        |  | <b>Northing:</b>             | 5031192       |
| <b>MOE Response:</b>         | N  | <b>Easting:</b>              | 460088        |
| <b>Dt MOE Arvl on Scn:</b>   |  | <b>Site Geo Ref Accu:</b>    |               |
| <b>MOE Reported Dt:</b>      | 6/27/2015  | <b>Site Map Datum:</b>       |               |
| <b>Dt Document Closed:</b>   |  | <b>SAC Action Class:</b>     | Land Spills   |
| <b>Incident Reason:</b>      | Blockage   | <b>Source Type:</b>          |               |
| <b>Site Name:</b>            | Renaud Road <UNOFFICIAL>                             |                              |               |
| <b>Site County/District:</b> |  |                              |               |
| <b>Site Geo Ref Meth:</b>    |  |                              |               |
| <b>Incident Summary:</b>     | Ottawa manhole blockage, raw sewage to roadway/ditch |                              |               |
| <b>Contaminant Qty:</b>      | 74 m <sup>3</sup>                                    |                              |               |

**Site:** Bell Canada  
Ottawa ON

**Database:**  
SPL

**Ref No:** 8881-9J2J33 **Discharger Report:**

**Site No:** NA  
**Incident Dt:** 2014/04/10  
**Year:**  
**Incident Cause:** Leak/Break  
**Incident Event:**  
**Contaminant Code:** 38  
**Contaminant Name:** FREON R-22 (CFC)  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Confirmed  
**Nature of Impact:** Air Pollution  
**Receiving Medium:**  
**Receiving Env:**  
**MOE Response:** Referral to others  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 2014/04/10  
**Dt Document Closed:** 2014/11/04  
**Incident Reason:** Equipment Failure  
**Site Name:** 3212 Richmond Rd<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Bell Canada: possible >100 kg freon to atm.  
**Contaminant Qty:** 0 other - see incident description

**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Pipeline/Components  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Air Spills - Gases and Vapours  
**Source Type:**

**Site:** UNKNOWN  
 GREEN CREEK @ INNES RD. GLOUCESTER CITY ON

**Database:**  
 SPL

**Ref No:** 133852  
**Site No:**  
**Incident Dt:** 11/4/1996  
**Year:**  
**Incident Cause:** UNKNOWN  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** POSSIBLE  
**Nature of Impact:** Water course or lake  
**Receiving Medium:** WATER  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 11/4/1996  
**Dt Document Closed:**  
**Incident Reason:** UNKNOWN  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** UNKNOWN SOURCE OF UNK QUANTITY OF UNK OIL IN CREEK  
**Contaminant Qty:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 20105  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** Unknown<UNOFFICIAL>  
 Innes Rd Eastbound at Blair Ottawa ON

**Database:**  
 SPL

**Ref No:** 2061-8MDRQW  
**Site No:**  
**Incident Dt:** 10/6/2011  
**Year:**  
**Incident Cause:**  
**Incident Event:**  
**Contaminant Code:** 13  
**Contaminant Name:** DIESEL FUEL  
**Contaminant Limit 1:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:** Innes Rd Eastbound at Blair  
**Site District Office:**

**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Not Anticipated  
**Nature of Impact:**  
**Receiving Medium:**  
**Receiving Env:**  
**MOE Response:** No Field Response  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 10/6/2011  
**Dt Document Closed:** 11/22/2011  
**Incident Reason:**  
**Site Name:** MVA Site: Ottawa Roads<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** MVA: diesel on road.  
**Contaminant Qty:**

**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Land Spills  
**Source Type:**

**Site:** lot 4 con 2 ON

**Database:**  
WWIS

**Well ID:** 1536506  
**Construction Date:**  
**Use 1st:** Domestic  
**Use 2nd:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 235230  
**Tag:**  
**Constructn Method:**  
**Elevation (m):**  
**Elevatn Reliabilty:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Clear/Cloudy:**  
**Municipality:** 15000  
**Site Info:**

**Flowing (Y/N):**  
**Flow Rate:**  
**Data Entry Status:**  
**Data Src:**  
**Date Received:** 01-Aug-2006 00:00:00  
**Selected Flag:** TRUE  
**Abandonment Rec:**  
**Contractor:** 4006  
**Form Version:** 2  
**Owner:**  
**County:** OTTAWA-CARLETON  
**Lot:** 004  
**Concession:** 02  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 11550572  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 04-Mar-2004 00:00:00  
**Remarks:**  
**Loc Method Desc:** Not Applicable i.e. no UTM  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Elevation:**  
**Elevrc:**  
**Zone:**  
**East83:**  
**North83:**  
**Org CS:**  
**UTMRC:** 9  
**UTMRC Desc:** unknown UTM  
**Location Method:** na

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

**Formation ID:** 933066017  
**Layer:** 5

**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 40.0  
**Formation End Depth:** 140.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 933066014  
**Layer:** 2  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 12  
**Mat2 Desc:** STONES  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 8.0  
**Formation End Depth:** 21.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 933066016  
**Layer:** 4  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:** 71  
**Mat2 Desc:** FRACTURED  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 34.0  
**Formation End Depth:** 40.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 933066015  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:** 05  
**Mat2 Desc:** CLAY  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 21.0  
**Formation End Depth:** 34.0  
**Formation End Depth UOM:** ft

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

**Formation ID:** 933066013  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:** 12  
**Mat2 Desc:** STONES  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 8.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933299444  
**Layer:** 1  
**Plug From:** 40.0  
**Plug To:** 0.0  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961536506  
**Method Construction Code:** 4  
**Method Construction:** Rotary (Air)  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 11560179  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930884700  
**Layer:** 2  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:** -2.0  
**Depth To:** 40.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930884699  
**Layer:** 1  
**Material:**  
**Open Hole or Material:**  
**Depth From:** 0.0  
**Depth To:** 40.0  
**Casing Diameter:** 10.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**



**Casing ID:** 930884701  
**Layer:** 3  
**Material:**  
**Open Hole or Material:**  
**Depth From:** 40.0  
**Depth To:** 140.0  
**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:** 11569551  
**Pump Set At:** 60.0  
**Static Level:** 12.0  
**Final Level After Pumping:** 21.0  
**Recommended Pump Depth:**  
**Pumping Rate:** 10.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 10.0  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 2  
**Pumping Duration MIN:**  
**Flowing:**

**Draw Down & Recovery**

**Pump Test Detail ID:** 11662477  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 16.700000762939453  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 11662479  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 21.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 11662476  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 14.300000190734863  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 11662478  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 18.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 934078358  
**Layer:** 2  
**Kind Code:**  
**Kind:**  
**Water Found Depth:** 129.0  
**Water Found Depth UOM:** ft

**Water Details**

**Water ID:** 934078359  
**Layer:** 1  
**Kind Code:**  
**Kind:**  
**Water Found Depth:** 93.0  
**Water Found Depth UOM:** ft

## Appendix: Database Descriptions

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

### **Abandoned Aggregate Inventory:**

Provincial [AAGR](#)

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

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

### **Aggregate Inventory:**

Provincial [AGR](#)

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

**Government Publication Date: Up to Nov 2021**

### **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-May 31, 2022**

### **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 2020****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-May 31, 2022****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 -Sep 2022****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-Jun 2022****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 - Sep 30, 2022**

**Drill Hole Database:**

Provincial [DRL](#)

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

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

**Delisted Fuel Tanks:**

Provincial [DTNK](#)

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

**Government Publication Date: 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- Aug 31, 2022**

**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 - Sep 30, 2022**

**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- Aug 31, 2022**

**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-Jul 31, 2022**

**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, 2021**

**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 2022**

**Fisheries & Oceans Fuel Tanks:**

Federal **FOFT**

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

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

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

Federal **FRST**

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

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

**Fuel Storage Tank:**

Provincial **FST**

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

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

**Government Publication Date: 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-Apr 30, 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 2019**

**TSSA Historic Incidents:**

Provincial

[HINC](#)

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

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

**Indian & Northern Affairs Fuel Tanks:**

Federal

[IAFT](#)

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

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

**Fuel Oil Spills and Leaks:**

Provincial

[INC](#)

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

**Government Publication Date: 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 2022**

**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, 2020**

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

Federal [NDFT](#)

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

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

**National Defense & Canadian Forces Spills:**

Federal [NDSP](#)

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

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

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

Federal [NDWD](#)

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

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

**National Energy Board Pipeline Incidents:**

Federal [NEBI](#)

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

**Government Publication Date: 2008-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:**

Federal

[NPRI](#)

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

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

**Oil and Gas Wells:**

Private

[OGWE](#)

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

**Government Publication Date: 1988-Aug 31, 2022**

**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 2021**

**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 - Sep 30, 2022**

**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- Aug 31, 2022**

**Pipeline Incidents:**

Provincial PINC

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

**Government Publication Date: 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 - Sep 30, 2022**

**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, 1992-2019**

**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-Sep 2022**

**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-May 31, 2022**

**Scott's Manufacturing Directory:**

Private SCT

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

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

**Ontario Spills:**

Provincial SPL

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

**Government Publication Date: 1988-Sep 2020; Dec 2020-Mar 2021**

**Wastewater Discharger Registration Database:**

Provincial [SRDS](#)

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

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

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

Provincial [VAR](#)

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

Records are not verified for accuracy or completeness.

**Government Publication Date: 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- Aug 31, 2022**

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

Provincial [WDSH](#)

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

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

**Water Well Information System:**

Provincial [WWIS](#)

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

**Government Publication Date: Jun 30 2022**

# 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.

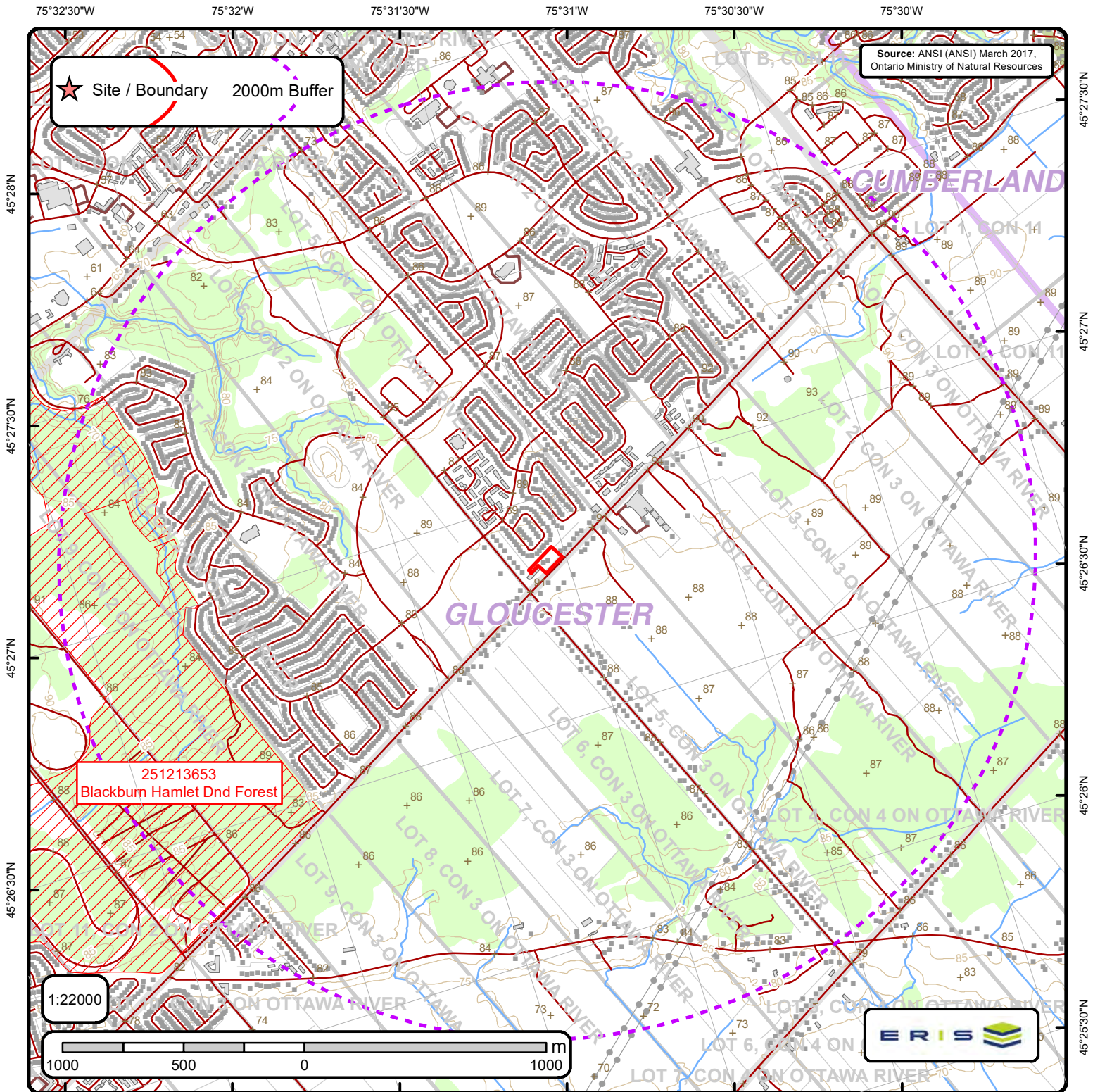
'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'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.



## Area of Natural & Scientific Interest (ANSI) Order No. 22102100112

|       |                    |   |                          |   |                |   |                        |
|-------|--------------------|---|--------------------------|---|----------------|---|------------------------|
| +     | Spot Height        | — | Transportation Structure | — | Contour Line   | ■ | Wooded Area            |
| ■     | Building Point     | — | Utility Line             | ■ | Pit or Quarry  | ■ | Conservation Authority |
| ⚡     | Towers             | — | Water Structure          | ■ | Waterbody      | ■ | Conservation Area      |
| ●     | Utility Site Point | — | Drainage Line Feature    | ■ | Wetlands       | ■ | Municipal Park         |
| —     | Misc. Line         | — | River or Stream          | ■ | Concession     | ■ | Provincial Park        |
| —     | Railroads          | ■ | Airports                 | ■ | Lots           | ■ | National Park          |
| —     | Roads              | ■ | Tanks                    | ■ | Municipality   | ■ | Nature Reserve         |
| - - - | Trail              | ■ | Building to Scale        | ■ | Land Ownership | ■ | ANSI Area              |



# ANSI Report

ANSI Units Found within 2000 m of  
3493, 3497, and 3499 Innes Road

Page 1  
Order No.  
22102100112



**ANSI Name:** Blackburn Hamlet Dnd Forest

**ID:** 251213653 | **Type:** Candidate ANSI, Life Science | **Significance:** Regional | **Management Plan:** No | **Area (sqm):** 1922108.405 |

**Comments:**

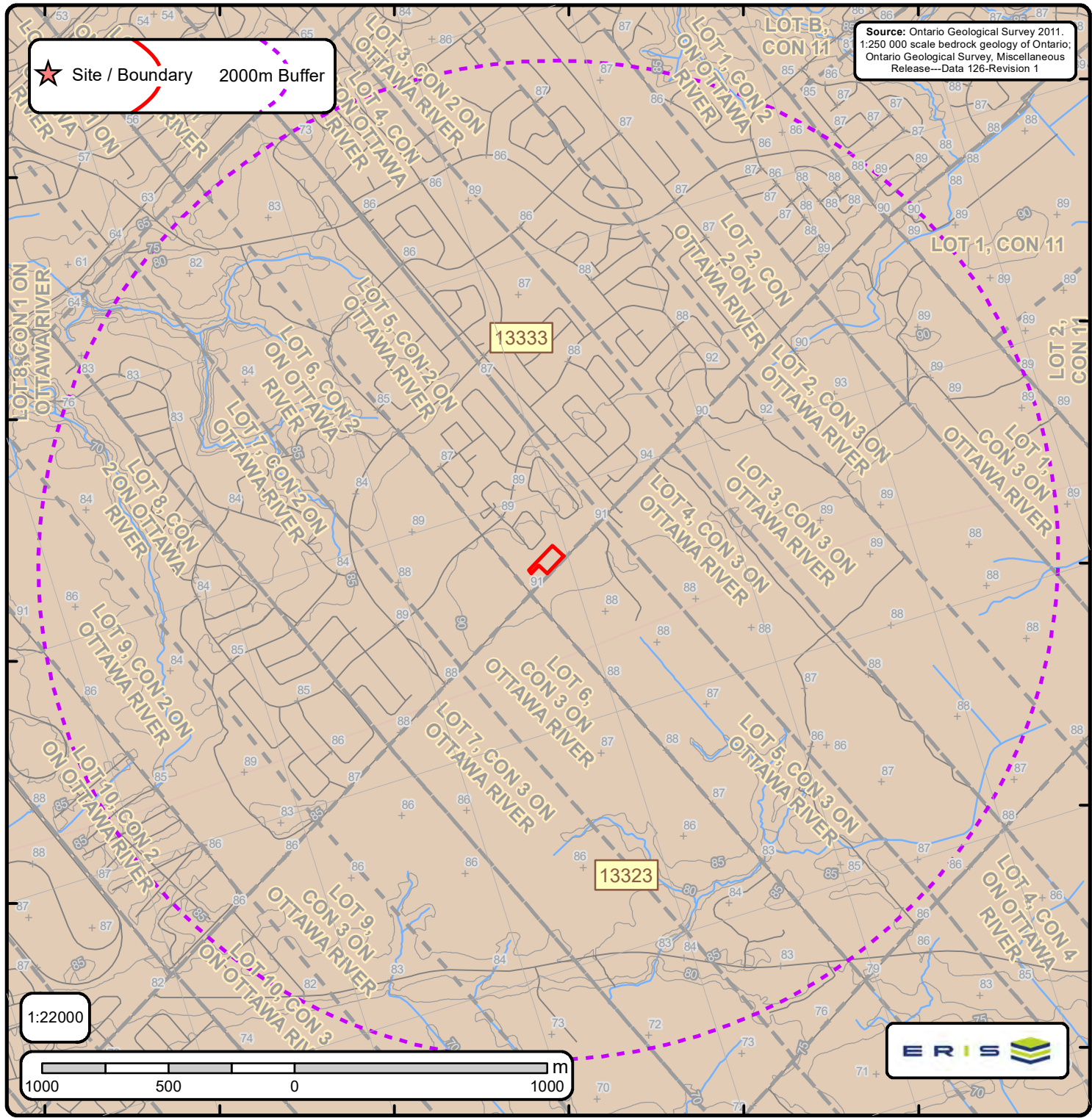
75°32'30"W 75°32'W 75°31'30"W 75°31'W 75°30'30"W 75°30'W

Source: Ontario Geological Survey 2011.  
1:250 000 scale bedrock geology of Ontario;  
Ontario Geological Survey, Miscellaneous  
Release—Data 126-Revision 1

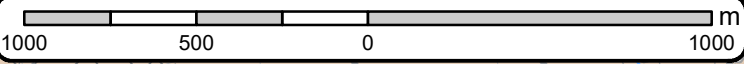
★ Site / Boundary 2000m Buffer

45°28'N  
45°27'30"N  
45°27'N  
45°26'30"N  
45°26'N  
45°25'30"N

45°27'30"N  
45°27'N  
45°26'30"N  
45°26'N  
45°25'30"N



1:22000



# Bedrock Geology of Ontario

Order No. 22102100112

|   |               |  |  |   |  |
|---|---------------|--|--|---|--|
| + | Spot Height   | <b>Bedrock Geology Lines</b>   | <b>Dikes</b>                           | Marathon, Kapuskasing or Biscotasing mafic dike | <b>C Lines</b>   |
| — | Roads         | CONTACT, GEOPHYSICAL, TREND, INTERPRETED   | Abitibi mafic dike                     | Marathon mafic dike                             | FOLD, ANTICLINE, INTERPRETED, UNKNOWN GENERATION           |
| — | Contour Lines | CONTACT, SHARP, TREND, INTERPRETED   | Biscotasing mafic dike                 | Matachewan mafic dike                           | FOLD, ANTICLINE, OBSERVED, UNKNOWN GENERATION              |
| — | Streams       | CONTACT, SHARP, TREND, OBSERVED  | Empey Lake mafic dike                  | Mine Centre mafic dike                          | FOLD, ANTICLINE, SYNFORMAL, INTERPRETED, SECOND GENERATION |
| — | Railroads     | FAULT, DEXTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION            | Felsic to intermediate intrusive rocks | Molson mafic dike                               | FOLD, ANTIFORM, INTERPRETED, UNKNOWN GENERATION            |
| + | Lots          | FAULT, PROJECTED FAULT, INTERPRETED, UNKNOWN GENERATION                                | Fort Frances mafic dike                | Pickle Crow mafic dike (Molson swarm) normal    | FOLD, SYNCLINE, INTERPRETED, UNKNOWN GENERATION            |
| + | Pit or Quarry | FAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION          | Frontenac mafic dike                   | Pickle Crow mafic dike (Molson swarm) reverse   | FOLD, SYNCLINE, OBSERVED, UNKNOWN GENERATION               |
| + | Airports      | FAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATION             | Grenville mafic dike                   | Rideau mafic dike                               | FOLD, SYNFORM, INTERPRETED, UNKNOWN GENERATION             |
| + | Waterbody     | FAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, INTERPRETED, UNKNOWN GENERATION | Logan and Nipigon mafic sills          | Sudbury mafic dike                              | FOLD, SYNFORM, INTERPRETED, UNKNOWN GENERATION             |
| + | Wetlands      | FAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, OBSERVED, UNKNOWN GENERATION    | Mackenzie mafic dike                   | Unsubdivided mafic dike                         |  |
|   |               | FAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION            | Mafic dikes of uncertain age           | Unsubdivided mafic dike (Keweenawian age)       | ▲ Kimberlite   |
|   |               | FAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATION               | Mafic sills and dikes                  | unknown   |  |
|   |               | NEATLINE   | Marathon mafic dike                    |   |  |
|   |               | ONTARIO BORDER   |  |   |  |
|   |               | Marble, chert, iron formation, minor metavolcanic rocks                                |  |   |  |



# Bedrock Geology Report

Bedrock Geology units found within 2000 m of  
3493, 3497, and 3499 Innes Road

Page 1  
Order No.  
22102100112



**ID:** 13333 | **Unit Name:** |  
**Type (All):** 54a | **Type (Primary):** 54a | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Limestone, dolostone, shale, arkose, sandstone | **Strata (Primary):** Ottawa Group; Simcoe Group; Shadow Lake Formation | **Super Eon (Primary):** | **Eon (Primary):** PHANEROZOIC (Present to 542.0 Ma) | **Era (Primary):** PALEOZOIC (251.0 Ma to 542.0 Ma) | **Period (Primary):** ORDOVICIAN (443.7 Ma to 488.3 Ma) | **Epoch (Primary):** MIDDLE ORDOVICIAN (now considered UPPER DEVONIAN) | **Province (Primary):**

**ID:** 13323 | **Unit Name:** |  
**Type (All):** 55b | **Type (Primary):** 55b | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Shale, limestone, dolostone, siltstone | **Strata (Primary):** Georgian Bay Formation; Blue Mountain Formation; Billings Formation; Collingwood Member; Eastview Member | **Super Eon (Primary):** | **Eon (Primary):** PHANEROZOIC (Present to 542.0 Ma) | **Era (Primary):** PALEOZOIC (251.0 Ma to 542.0 Ma) | **Period (Primary):** ORDOVICIAN (443.7 Ma to 488.3 Ma) | **Epoch (Primary):** UPPER ORDOVICIAN | **Province (Primary):**





# Bedrock Geology Report Metadata

Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release-Data 126  
Revision1  
ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY



**ID - Unit ID**      **Unit Name** - Generalized geological unit classification

**Type (All)** - The geological unit number(s) or code(s) for all rock types present in an individual polygon.

**Type (Primary)** - The primary geological unit number or code for the primary rock type in an individual polygon

**Type (Secondary)** - The secondary geological unit number or code for the secondary rock type, if present, in an individual polygon

**Type (Tertiary)** - The tertiary geological unit number or code for the tertiary rock type, if present, in an individual polygon

**Rock Type (Primary)** - Rock type or sub-unit description

**Status (Primary)** - The Stratigraphic unit. Divided into:

- Supergroup (two or more groups and lone formations)
- Group (two or more formations)
- Formation (primary unit of lithostratigraphy)
- Member (named lithologic subdivision of a formation)
- Bed (named distinctive layer in a member or formation)

**Super Eon (Primary)** - A name given to the largest defined unit of geological time, divided into Eons. Unique values which this field may contain (Domains) are:

PRECAMBRIAN (0.542 Ga to <3.85 Ga)

**Eon (Primary)** - A name given to a defined unit of geological time, divided into Eras. Unique values which this field may contain (Domains) are:

- ARCHEAN (2.5 Ga to <3.85 Ga)
- PROTEROZOIC (0.542 Ga to 2.50 Ga)
- PHANEROZOIC (Present to 542.0 Ma)

**Era (Primary)** - A name given to a defined unit of geological time, divided into Periods. Each era on the scale is separated from the next by a major event or change. Unique values which this field may contain (Domains) are:

- |   |  |
|---|--|
| MESOARCHEAN (2.8 Ga to 3.2 Ga)              | MESOPROTEROZOIC (1.0 Ga to 1.6 Ga)                     |
| NEO-TO MESOARCHEAN (2.5 Ga to 3.2 Ga)       | EARLY PALEOZOIC TO NEOPROTEROZOIC (443.7 Ma to 1.0 Ga) |
| NEOARCHEAN (2.5 Ga to 2.8 Ga)               | NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga)            |
| PALEOPROTEROZOIC (1.6 Ga to 2.5 Ga)         | PALEOZOIC (251.0 Ma to 542.0 Ma)                       |
| MESO-TO PALEOPROTEROZOIC (1.0 Ga to 2.5 Ga) | MESOZOIC (65.5 Ma to 251.0 Ma)                         |

**Period (Primary)** - A name given to a defined unit of geological time, divided into Epochs. Unique values which this field may contain (Domains) are:

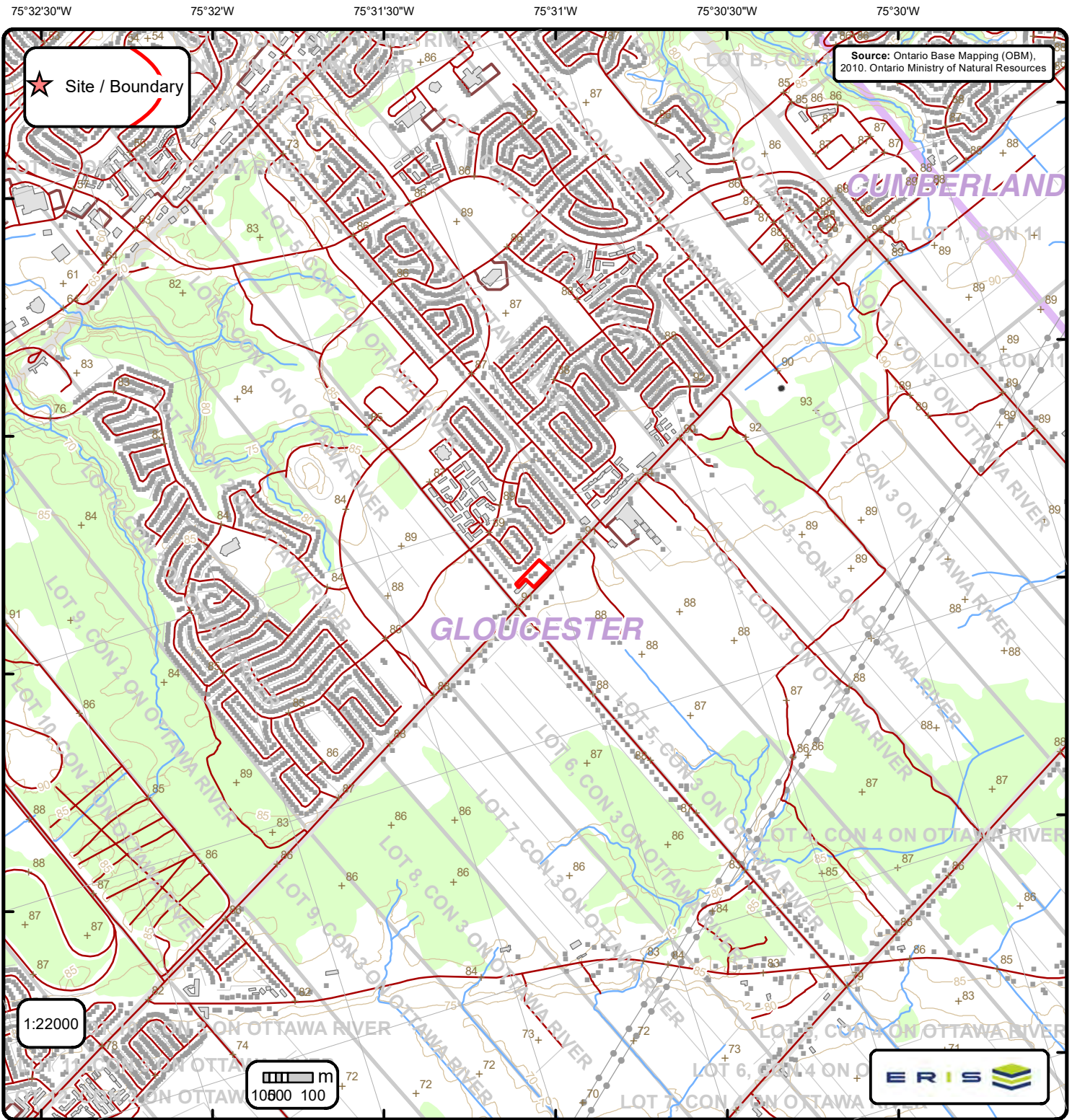
- CAMBRIAN (488.3 Ma to 542.0 Ma)
- ORDOVICIAN (443.7 Ma to 488.3 Ma)
- SILURIAN (416.0 Ma to 443.7 Ma)
- DEVONIAN (359.2 Ma to 416.0 Ma)
- MISSISSIPPIAN TO DEVONIAN (318.1 Ma to 416.0 Ma)
- JURASSIC (145.5 Ma to 199.6 Ma)
- CRETACEOUS AND JURASSIC (65.5 Ma to 199.6 Ma)

**Epoch (Primary)** - A name given to a defined unit of geological time. Unique values which this field may contain (Domains) are:

- |                                  |                                      |
|----------------------------------|--------------------------------------|
| LOWER ORDOVICIAN                 | UPPER SILURIAN                       |
| MIDDLE ORDOVICIAN                | LOWER DEVONIAN                       |
| UPPER ORDOVICIAN                 | MIDDLE DEVONIAN                      |
| MIDDLE AND LOWER SILURIAN        | UPPER DEVONIAN                       |
| UPPER SILURIAN TO LOWER DEVONIAN | LOWER CRETACEOUS AND MIDDLE JURASSIC |

**Province (Primary)** - The Geological Province the geological unit is in. Unique values which this field may contain (Domains) are:

- SUPERIOR
- SOUTHERN
- SUPERIOR
- GRENVILLE



## Ontario Base Mapping (OBM) Data

Order No. 22102100112

|                       |                            |                  |                          |
|-----------------------|----------------------------|------------------|--------------------------|
| + Spot Height (metre) | — Transportation Structure | — Contour Line   | Wooded Area              |
| ■ Building Point      | ● Utility Line             | ▭ Pit or Quarry  | ▭ Conservation Authority |
| ⚡ Towers              | — Water Structure          | ▭ Waterbody      | ▭ Conservation Area      |
| ● Utility Site Point  | — Drainage Line Feature    | ▭ Wetlands       | ▭ Municipal Park         |
| — Misc. Line          | — River or Stream          | ▭ Concession     | ▭ Provincial Park        |
| — Railroads           | ▭ Airports                 | ▭ Lots           | ▭ National Park          |
| — Roads               | ■ Tanks                    | ▭ Municipality   | ▭ Nature Reserve         |
| - - - Trail           | ▭ Building to Scale        | ▭ Land Ownership |                          |

75°32'30"W

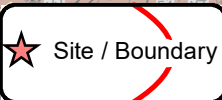
75°32'W

75°31'30"W

75°31'W

75°30'30"W

75°30'W



Source: Chapman, L.J. and Putnam, D.F. 2007. Physiography of Southern Ontario: Ontario Geological Survey, Miscellaneous Release—Data 22

45°28'N

45°27'30"N

45°27'30"N

45°27'N

45°27'N

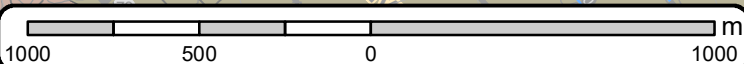
45°26'30"N

45°26'30"N

45°26'N

45°25'30"N

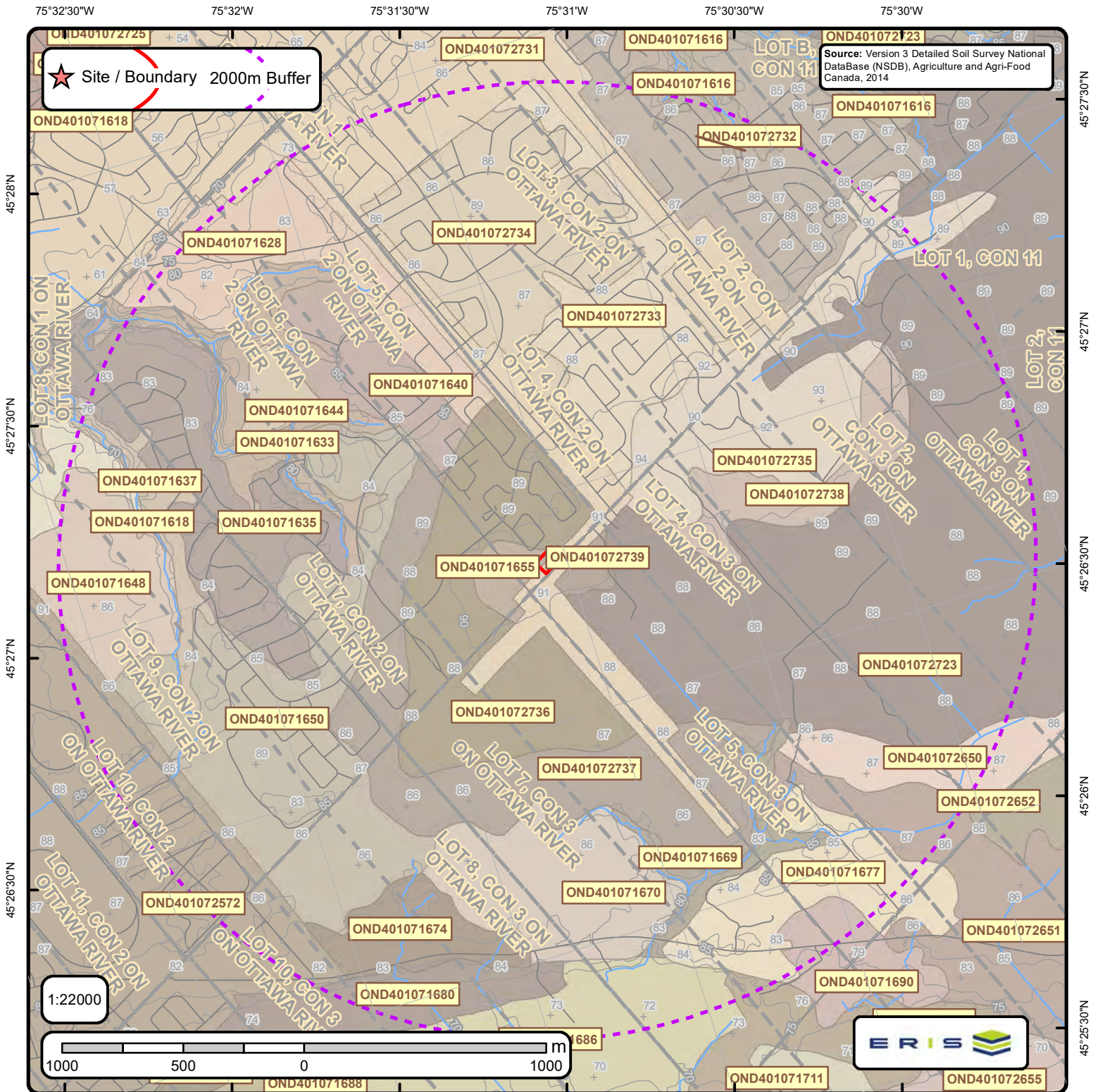
1:22000



# Physiography of Southern Ontario

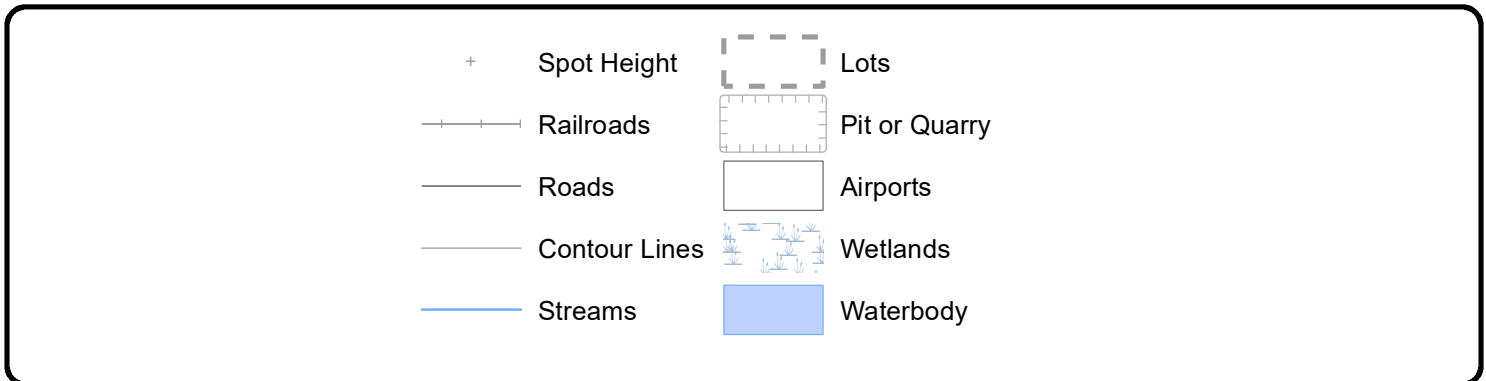
Order No. 22102100112

|                 |                 |                                 |                                     |                                |
|-----------------|-----------------|---------------------------------|-------------------------------------|--------------------------------|
| + Spot Height   | — Lots          | ◆ Boulder Pavement              | ■ Bare Rock Ridges And Shallow Till | ■ Peat And Muck                |
| — Roads         | ▭ Pit or Quarry | ◆ Dissected Terrain             | ■ Beaches                           | ■ Sand Plains                  |
| — Railroads     | ▭ Airports      | ■ Mud Flow Scars                | ■ Bevelled Till Plains              | ■ Shale Plains                 |
| — Contour Lines | ■ Wetlands      | ▲ Sand Dunes                    | ■ Clay Plains                       | ■ Shallow Till And Rock Ridges |
| — Streams       | ■ Waterbody     | — escarpment                    | ■ Drumlins                          | ■ Spillways                    |
|                 |                 | — shorecliff                    | ■ Escarpments                       | ■ Till Moraines                |
|                 |                 | — shorecliff (weakly developed) | ■ Eskers                            | ■ Till Plains (Drumlinized)    |
|                 |                 | ■ Physiography Regions          | ■ Kame Moraines                     | ■ Till Plains (Undrumlinized)  |
|                 |                 |                                 | ■ Limestone Plains                  |                                |



# Detailed Soil Survey (ON Soils)

Order No. 22102100112





Soil ID: OND401071680

**Component No** : 1 | **Components(%)** : 100 | **Soil Name ID** : ONSTA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : clay | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 17 | **Total Silt(%)** : 40 | **Total Clay(%)** : 43 | **Organic Carbon(%)** : 2.8 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.385 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-50 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 4 | **Total Silt(%)** : 41 | **Total Clay(%)** : 55 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.247 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-75 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 5 | **Total Silt(%)** : 34 | **Total Clay(%)** : 61 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.249 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 75-100 | **Horizon** : Cgk | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 1 | **Total Silt(%)** : 53 | **Total Clay(%)** : 46 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 0.192 | **Electrical Conductivity(dS/m)** : 0

Soil ID: OND401071686

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONSTA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : clay | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 17 | **Total Silt(%)** : 40 | **Total Clay(%)** : 43 | **Organic Carbon(%)** : 2.8 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.385 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-50 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 4 | **Total Silt(%)** : 41 | **Total Clay(%)** : 55 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.247 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-75 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 5 | **Total Silt(%)** : 34 | **Total Clay(%)** : 61 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.249 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 75-100 | **Horizon** : Cgk | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 1 | **Total Silt(%)** : 53 | **Total Clay(%)** : 46 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 0.192 | **Electrical Conductivity(dS/m)** : 0

Soil ID: OND401071686

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONMUA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-19 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 13 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 4.622 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 19-28 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 14 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 4.787 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 28-46 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 81 | **Total Silt(%)** : 14 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 5.474 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 46-66 | **Horizon** : Cgj | **Layer No** : 4 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 24 | **Total Silt(%)** : 32 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 0.216 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 66-100 | **Horizon** : Cgj | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 26 | **Total Clay(%)** : 71 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.193 | **Electrical Conductivity(dS/m)** : 0



Soil ID: OND401071616

**Component No** : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZER~~~~~N | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 37.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : No capability for agriculture. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-100 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 15 | **Total Silt(%)** : 60 | **Total Clay(%)** : 25 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.589 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071633

**Component No** : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZER~~~~~N | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 37.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : No capability for agriculture. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-100 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 15 | **Total Silt(%)** : 60 | **Total Clay(%)** : 25 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.589 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071618

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONBIV~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-17 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 53 | **Total Silt(%)** : 34 | **Total Clay(%)** : 13 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 2.052 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 17-33 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 30 | **Total Silt(%)** : 39 | **Total Clay(%)** : 31 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.273 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 33-62 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 52 | **Total Silt(%)** : 28 | **Total Clay(%)** : 20 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.683 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 62-84 | **Horizon** : Ckg | **Layer No** : 4 | **Very Fine Sand(%)** : 45 | **Total Sand(%)** : 62 | **Total Silt(%)** : 26 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 1.597 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 84-100 | **Horizon** : Ckg | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 4 | **Total Silt(%)** : 54 | **Total Clay(%)** : 42 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.194 | **Electrical Conductivity(dS/m)** : 0 |



Soil ID: OND401071618

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONALL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-27 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 82 | **Total Silt(%)** : 10 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.383 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 27-41 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 87 | **Total Silt(%)** : 9 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.398 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 41-55 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 67 | **Total Silt(%)** : 14 | **Total Clay(%)** : 19 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.197 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 55-100 | **Horizon** : Ckj | **Layer No** : 4 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 12 | **Total Silt(%)** : 34 | **Total Clay(%)** : 54 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072739

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONFRMRU~~~A | **Surface Stoniness Class** : Very stony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-21 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 44 | **Total Silt(%)** : 44 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 3.7 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 1.969 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 21-38 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 49 | **Total Silt(%)** : 45 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 3.014 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 38-50 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 57 | **Total Silt(%)** : 36 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 1.979 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 50-100 | **Horizon** : R | **Layer No** : 4 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : None | **pH in Calc Chloride** : None | **Saturated Hydraulic Conductivity(cm/h)** : None | **Electrical Conductivity(dS/m)** : None |

Soil ID: OND401072739

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONFRM~~~~~N | **Surface Stoniness Class** : Very stony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : None | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : OND401072739-ONFRM~~~~~N | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-21 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 44 | **Total Silt(%)** : 44 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 3.7 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 1.969 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 21-38 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 49 | **Total Silt(%)** : 45 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 3.014 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 38-50 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 57 | **Total Silt(%)** : 36 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 1.979 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 50-100 | **Horizon** : R | **Layer No** : 4 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : None | **pH in Calc Chloride** : None | **Saturated Hydraulic Conductivity(cm/h)** : None | **Electrical Conductivity(dS/m)** : None |



**Soil ID:** OND401072738

**Component No** : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : silt loam | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

**Soil ID:** OND401071637

**Component No** : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZER~~~~~N | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 37.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : No capability for agriculture. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-100 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 15 | **Total Silt(%)** : 60 | **Total Clay(%)** : 25 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.589 | **Electrical Conductivity(dS/m)** : 0 |

**Soil ID:** OND401072651

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONAHG~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-22 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 77 | **Total Silt(%)** : 11 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 6.3 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 5.331 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 22-45 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 9.364 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 45-70 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 93 | **Total Silt(%)** : 4 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 6.367 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 70-100 | **Horizon** : C | **Layer No** : 4 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 94 | **Total Silt(%)** : 5 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 7.817 | **Electrical Conductivity(dS/m)** : 0 |





Soil ID: OND401072651

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONALL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-27 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 82 | **Total Silt(%)** : 10 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.383 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 27-41 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 87 | **Total Silt(%)** : 9 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.398 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 41-55 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 67 | **Total Silt(%)** : 14 | **Total Clay(%)** : 19 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.197 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 55-100 | **Horizon** : Ckj | **Layer No** : 4 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 12 | **Total Silt(%)** : 34 | **Total Clay(%)** : 54 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072735

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONFRM~~~~~N | **Surface Stoniness Class** : Exceedingly stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-21 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 44 | **Total Silt(%)** : 44 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 3.7 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 1.969 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 21-38 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 49 | **Total Silt(%)** : 45 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 3.014 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 38-50 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 57 | **Total Silt(%)** : 36 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 1.979 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 50-100 | **Horizon** : R | **Layer No** : 4 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : None | **pH in Calc Chloride** : None | **Saturated Hydraulic Conductivity(cm/h)** : None | **Electrical Conductivity(dS/m)** : None |

Soil ID: OND401072735

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : silt loam | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |



Soil ID: OND401071674

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONRSL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 86 | **Total Silt(%)** : 10 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.1 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 6.641 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-31 | **Horizon** : Bm<sub>gj</sub> | **Layer No** : 2 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 93 | **Total Silt(%)** : 6 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 4.7 | **Saturated Hydraulic Conductivity(cm/h)** : 9.187 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 31-53 | **Horizon** : BC<sub>gj</sub> | **Layer No** : 3 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 4.6 | **Saturated Hydraulic Conductivity(cm/h)** : 8.134 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 53-100 | **Horizon** : C<sub>gj</sub> | **Layer No** : 4 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 98 | **Total Silt(%)** : 1 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 4.8 | **Saturated Hydraulic Conductivity(cm/h)** : 7.845 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071674

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCLA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 5 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.934 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 15-25 | **Horizon** : B<sub>m</sub> | **Layer No** : 2 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 8.209 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-66 | **Horizon** : B<sub>m</sub> | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 95 | **Total Silt(%)** : 3 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 8.325 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 66-82 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 8.134 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 82-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 6.96 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071677

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONMOK~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-26 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 16 | **Total Sand(%)** : 79 | **Total Silt(%)** : 15 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 5.871 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 26-42 | **Horizon** : B<sub>m</sub> | **Layer No** : 2 | **Very Fine Sand(%)** : 21 | **Total Sand(%)** : 80 | **Total Silt(%)** : 14 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 4.747 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 42-66 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 23 | **Total Sand(%)** : 81 | **Total Silt(%)** : 15 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 5.129 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 66-98 | **Horizon** : C | **Layer No** : 4 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 19 | **Total Silt(%)** : 29 | **Total Clay(%)** : 52 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.203 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 98-109 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 12 | **Total Clay(%)** : 85 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 0.193 | **Electrical Conductivity(dS/m)** : 0 |



**Soil ID:** OND401071677

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCLA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 5 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.934 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 15-25 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 8.209 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-66 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 95 | **Total Silt(%)** : 3 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 8.325 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 66-82 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 8.134 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 82-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 6.96 | **Electrical Conductivity(dS/m)** : 0 |

**Soil ID:** OND401072736

**Component No** : 1 | **Components(%)** : 100 | **Soil Name ID** : ONBBO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : clay | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 2 | **Total Silt(%)** : 35 | **Total Clay(%)** : 63 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.27 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-58 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 2 | **Total Silt(%)** : 21 | **Total Clay(%)** : 77 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.202 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 58-100 | **Horizon** : Cg | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 1 | **Total Silt(%)** : 25 | **Total Clay(%)** : 74 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.191 | **Electrical Conductivity(dS/m)** : 0 |

**Soil ID:** OND401072731

**Component No** : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |



**Soil ID:** OND401071670

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCLA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 5 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.934 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 15-25 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 8.209 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-66 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 95 | **Total Silt(%)** : 3 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 8.325 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 66-82 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 8.134 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 82-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 6.96 | **Electrical Conductivity(dS/m)** : 0 |

**Soil ID:** OND401071670

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONMOK~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-26 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 16 | **Total Sand(%)** : 79 | **Total Silt(%)** : 15 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 5.871 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 26-42 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 21 | **Total Sand(%)** : 80 | **Total Silt(%)** : 14 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 4.747 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 42-66 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 23 | **Total Sand(%)** : 81 | **Total Silt(%)** : 15 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 5.129 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 66-98 | **Horizon** : C | **Layer No** : 4 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 19 | **Total Silt(%)** : 29 | **Total Clay(%)** : 52 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.203 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 98-109 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 12 | **Total Clay(%)** : 85 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 0.193 | **Electrical Conductivity(dS/m)** : 0 |

**Soil ID:** OND401072733

**Component No** : 1 | **Components(%)** : 100 | **Soil Name ID** : ONBBO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : clay | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 2 | **Total Silt(%)** : 35 | **Total Clay(%)** : 63 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.27 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-58 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 2 | **Total Silt(%)** : 21 | **Total Clay(%)** : 77 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.202 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 58-100 | **Horizon** : Cg | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 1 | **Total Silt(%)** : 25 | **Total Clay(%)** : 74 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.191 | **Electrical Conductivity(dS/m)** : 0 |



**Soil ID:** OND401072732

**Component No** : 1 | **Components(%)** : 100 | **Soil Name ID** : ONBBO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : clay | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 2 | **Total Silt(%)** : 35 | **Total Clay(%)** : 63 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.27 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-58 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 2 | **Total Silt(%)** : 21 | **Total Clay(%)** : 77 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.202 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 58-100 | **Horizon** : Cg | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 1 | **Total Silt(%)** : 25 | **Total Clay(%)** : 74 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.191 | **Electrical Conductivity(dS/m)** : 0 |

**Soil ID:** OND401071655

**Component No** : 1 | **Components(%)** : 100 | **Soil Name ID** : ONFRM~~~~~N | **Surface Stoniness Class** : Very stony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-21 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 44 | **Total Silt(%)** : 44 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 3.7 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 1.969 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 21-38 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 49 | **Total Silt(%)** : 45 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 3.014 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 38-50 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 57 | **Total Silt(%)** : 36 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 1.979 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 50-100 | **Horizon** : R | **Layer No** : 4 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : None | **pH in Calc Chloride** : None | **Saturated Hydraulic Conductivity(cm/h)** : None | **Electrical Conductivity(dS/m)** : None |

**Soil ID:** OND401072572

**Component No** : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |



Soil ID: OND401071650

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soil ID: OND401071650

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONSPD~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -6-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 18.0 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.588 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 0-4 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 67 | **Total Silt(%)** : 23 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 7.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.975 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 4-18 | **Horizon** : Bf | **Layer No** : 3 | **Very Fine Sand(%)** : 30 | **Total Sand(%)** : 89 | **Total Silt(%)** : 7 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.081 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-25 | **Horizon** : Bfgj | **Layer No** : 4 | **Very Fine Sand(%)** : 47 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 7.891 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-42 | **Horizon** : Bfgj | **Layer No** : 5 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.131 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 42-59 | **Horizon** : Bgj | **Layer No** : 6 | **Very Fine Sand(%)** : 55 | **Total Sand(%)** : 92 | **Total Silt(%)** : 8 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.133 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 59-76 | **Horizon** : Bg | **Layer No** : 7 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 98 | **Total Silt(%)** : 2 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in**

Soil ID: OND401071690

**Component No** : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : clay | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |



Soil ID: OND401071699

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONALL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-27 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 82 | **Total Silt(%)** : 10 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.383 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 27-41 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 87 | **Total Silt(%)** : 9 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.398 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 41-55 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 67 | **Total Silt(%)** : 14 | **Total Clay(%)** : 19 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.197 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 55-100 | **Horizon** : Ckj | **Layer No** : 4 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 12 | **Total Silt(%)** : 34 | **Total Clay(%)** : 54 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071699

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : clay | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soil ID: OND401071635

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONJKV~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 69 | **Total Silt(%)** : 21 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 3.153 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 15-29 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 26 | **Total Sand(%)** : 80 | **Total Silt(%)** : 17 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.686 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 29-100 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 36 | **Total Sand(%)** : 83 | **Total Silt(%)** : 12 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 4.903 | **Electrical Conductivity(dS/m)** : 0 |



Soil ID: OND401071635

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONSPD~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -6-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 18.0 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.588 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 0-4 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 67 | **Total Silt(%)** : 23 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 7.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.975 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 4-18 | **Horizon** : Bf | **Layer No** : 3 | **Very Fine Sand(%)** : 30 | **Total Sand(%)** : 89 | **Total Silt(%)** : 7 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.081 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-25 | **Horizon** : Bfgj | **Layer No** : 4 | **Very Fine Sand(%)** : 47 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 7.891 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-42 | **Horizon** : Bfgj | **Layer No** : 5 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.131 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 42-59 | **Horizon** : Bgj | **Layer No** : 6 | **Very Fine Sand(%)** : 55 | **Total Sand(%)** : 92 | **Total Silt(%)** : 8 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.133 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 59-76 | **Horizon** : Bg | **Layer No** : 7 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 98 | **Total Silt(%)** : 2 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in**

Soil ID: OND401072652

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONALL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-27 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 82 | **Total Silt(%)** : 10 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.383 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 27-41 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 87 | **Total Silt(%)** : 9 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.398 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 41-55 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 67 | **Total Silt(%)** : 14 | **Total Clay(%)** : 19 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.197 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 55-100 | **Horizon** : Ckj | **Layer No** : 4 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 12 | **Total Silt(%)** : 34 | **Total Clay(%)** : 54 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072652

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONSHO~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : -5-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 40.0 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.588 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 0-4 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 41 | **Total Sand(%)** : 83 | **Total Silt(%)** : 9 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 10.3 | **pH in Calc Chloride** : 5.1 | **Saturated Hydraulic Conductivity(cm/h)** : 2.981 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 4-26 | **Horizon** : Bf | **Layer No** : 3 | **Very Fine Sand(%)** : 53 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.598 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 26-64 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 32 | **Total Sand(%)** : 95 | **Total Silt(%)** : 4 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.8 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.996 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 64-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 99 | **Total Silt(%)** : 0 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.1 | **Saturated Hydraulic Conductivity(cm/h)** : 7.865 | **Electrical Conductivity(dS/m)** : 0 |





Soil ID: OND401072650

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONALL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-27 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 82 | **Total Silt(%)** : 10 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.383 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 27-41 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 87 | **Total Silt(%)** : 9 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.398 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 41-55 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 67 | **Total Silt(%)** : 14 | **Total Clay(%)** : 19 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.197 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 55-100 | **Horizon** : Ckj | **Layer No** : 4 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 12 | **Total Silt(%)** : 34 | **Total Clay(%)** : 54 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072650

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONMUA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-19 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 13 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 4.622 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 19-28 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 14 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 4.787 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 28-46 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 81 | **Total Silt(%)** : 14 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 5.474 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 46-66 | **Horizon** : Cgj | **Layer No** : 4 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 24 | **Total Silt(%)** : 32 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 0.216 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 66-100 | **Horizon** : Cgj | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 26 | **Total Clay(%)** : 71 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.193 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071628

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |



Soil ID: OND401071628

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soil ID: OND401071644

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONJKV~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 69 | **Total Silt(%)** : 21 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 3.153 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 15-29 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 26 | **Total Sand(%)** : 80 | **Total Silt(%)** : 17 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.686 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 29-100 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 36 | **Total Sand(%)** : 83 | **Total Silt(%)** : 12 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 4.903 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071644

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONSPD~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -6-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 18.0 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.588 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 0-4 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 67 | **Total Silt(%)** : 23 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 7.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.975 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 4-18 | **Horizon** : Bf | **Layer No** : 3 | **Very Fine Sand(%)** : 30 | **Total Sand(%)** : 89 | **Total Silt(%)** : 7 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.081 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-25 | **Horizon** : Bfgj | **Layer No** : 4 | **Very Fine Sand(%)** : 47 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 7.891 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-42 | **Horizon** : Bfgj | **Layer No** : 5 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.131 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 42-59 | **Horizon** : Bgj | **Layer No** : 6 | **Very Fine Sand(%)** : 55 | **Total Sand(%)** : 92 | **Total Silt(%)** : 8 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.133 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 59-76 | **Horizon** : Bg | **Layer No** : 7 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 98 | **Total Silt(%)** : 2 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in**



**Soil ID:** OND401072723

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONBBO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : clay | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 2 | **Total Silt(%)** : 35 | **Total Clay(%)** : 63 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.27 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-58 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 2 | **Total Silt(%)** : 21 | **Total Clay(%)** : 77 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.202 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 58-100 | **Horizon** : Cg | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 1 | **Total Silt(%)** : 25 | **Total Clay(%)** : 74 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.191 | **Electrical Conductivity(dS/m)** : 0 |

**Soil ID:** OND401072723

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONSTA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : clay | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 17 | **Total Silt(%)** : 40 | **Total Clay(%)** : 43 | **Organic Carbon(%)** : 2.8 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.385 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-50 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 4 | **Total Silt(%)** : 41 | **Total Clay(%)** : 55 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.247 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 50-75 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 5 | **Total Silt(%)** : 34 | **Total Clay(%)** : 61 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.249 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 75-100 | **Horizon** : Cgk | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 1 | **Total Silt(%)** : 53 | **Total Clay(%)** : 46 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 0.192 | **Electrical Conductivity(dS/m)** : 0 |

**Soil ID:** OND401071640

**Component No** : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |



Soil ID: OND401072734

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : clay | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soil ID: OND401072734

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONALL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-27 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 82 | **Total Silt(%)** : 10 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.383 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 27-41 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 87 | **Total Silt(%)** : 9 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.398 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 41-55 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 67 | **Total Silt(%)** : 14 | **Total Clay(%)** : 19 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.197 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 55-100 | **Horizon** : Ckj | **Layer No** : 4 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 12 | **Total Silt(%)** : 34 | **Total Clay(%)** : 54 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071669

**Component No** : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZER~~~~~N | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 37.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : No capability for agriculture. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-100 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 15 | **Total Silt(%)** : 60 | **Total Clay(%)** : 25 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.589 | **Electrical Conductivity(dS/m)** : 0 |



Soil ID: OND401071648

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONSPD~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -6-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 18.0 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.588 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 0-4 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 67 | **Total Silt(%)** : 23 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 7.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.975 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 4-18 | **Horizon** : Bf | **Layer No** : 3 | **Very Fine Sand(%)** : 30 | **Total Sand(%)** : 89 | **Total Silt(%)** : 7 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.081 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 18-25 | **Horizon** : Bfgj | **Layer No** : 4 | **Very Fine Sand(%)** : 47 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 7.891 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 25-42 | **Horizon** : Bfgj | **Layer No** : 5 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.131 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 42-59 | **Horizon** : Bgj | **Layer No** : 6 | **Very Fine Sand(%)** : 55 | **Total Sand(%)** : 92 | **Total Silt(%)** : 8 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.133 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 59-76 | **Horizon** : Bg | **Layer No** : 7 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 98 | **Total Silt(%)** : 2 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in**

Soil ID: OND401071648

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONMUA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-19 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 13 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 4.622 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 19-28 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 14 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 4.787 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 28-46 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 81 | **Total Silt(%)** : 14 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 5.474 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 46-66 | **Horizon** : Cgj | **Layer No** : 4 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 24 | **Total Silt(%)** : 32 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 0.216 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 66-100 | **Horizon** : Cgj | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 26 | **Total Clay(%)** : 71 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.193 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072737

**Component No** : 2 | **Components(%)** : 30 | **Soil Name ID** : ONMUA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-19 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 13 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 4.622 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 19-28 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 14 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 4.787 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 28-46 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 81 | **Total Silt(%)** : 14 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 5.474 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 46-66 | **Horizon** : Cgj | **Layer No** : 4 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 24 | **Total Silt(%)** : 32 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 0.216 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 66-100 | **Horizon** : Cgj | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 26 | **Total Clay(%)** : 71 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.193 | **Electrical Conductivity(dS/m)** : 0 |



# Soils Report

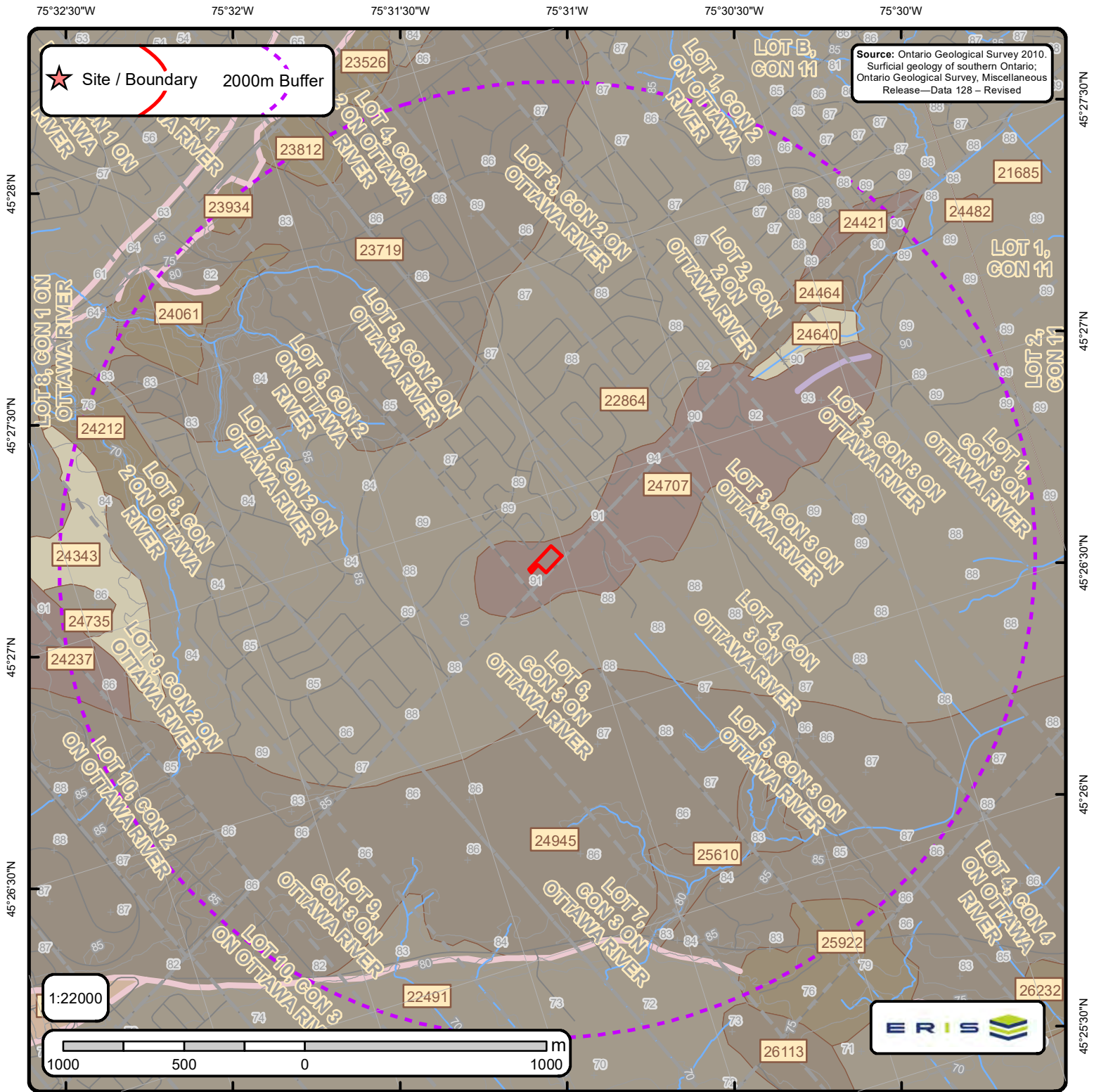
Soil Map Units Found within 2000 m of  
3493, 3497, and 3499 Innes Road

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Order No.  
22102100112



Soil ID: OND401072737

**Component No** : 1 | **Components(%)** : 70 | **Soil Name ID** : ONALL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-27 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 82 | **Total Silt(%)** : 10 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.383 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 27-41 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 87 | **Total Silt(%)** : 9 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.398 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 41-55 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 67 | **Total Silt(%)** : 14 | **Total Clay(%)** : 19 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.197 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 55-100 | **Horizon** : Ckj | **Layer No** : 4 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 12 | **Total Silt(%)** : 34 | **Total Clay(%)** : 54 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |



# The Surficial Geology of Southern Ontario Order No. 22102100112

|   |               |   |               |  |          |  |            |  |            |  |          |  |         |
|---|---------------|---|---------------|--|----------|--|------------|--|------------|--|----------|--|---------|
| + | Spot Height   | — | Streams       |  | Dune     |  | Beach      |  | Esker      |  | karst    |  | pitsg   |
|   | Waterbody     | — | Contour Lines |  | Lake     |  | Bluff      |  | Esker ND   |  | linfeat  |  | popup   |
|   | Wetlands      | — | Roads         |  | Rib      |  | Crevasse   |  | Fluvial DL |  | megarip  |  | ribl    |
|   | Airports      | — | Railroads     |  | Scab     |  | Crest      |  | fluvndl    |  | mfluvdl  |  | slidell |
|   | Pit or Quarry |   | Morains       |  | Slide    |  | End        |  | iceberg    |  | mfluvndl |  | slumpb  |
|   | Lots          |   |               |  | NOF Dune |  | Escarpment |  | icslope    |  | moraine  |  | terrace |



**ID:** 22491 | **Unit Name:** Offshore marine deposits |  
**Deposit Type Code:** 3a | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** silt, sand | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform blue-grey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were

**ID:** 22864 | **Unit Name:** Offshore marine deposits |  
**Deposit Type Code:** 3 | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** sand | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay, silty clay and silt, commonly calcareous and fossiliferous; locally overlain by thin sands. Upper parts are generally mottled or laminated reddish brown and bluish grey and may contain lenses and pockets of sand, but at depth the clay is uniform a

**ID:** 23719 | **Unit Name:** Deltaic and estuarine deposits |  
**Deposit Type Code:** 4 | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** deltaic | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Medium-to fine-grained sand, in some places fossiliferous; lies outside abandoned channels; most common deposit is a combined strip delta-sand plain that developed as water levels fell.

**ID:** 23812 | **Unit Name:** Landslide |  
**Deposit Type Code:** I | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** clay | **Secondary Material:** sand | **Primary General:** colluvial | **Primary General Modifier:** landslide | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Landslide area showing location of headscarp and general trend of slump ridges. Ridges generally consist of clay with overlying or admixed sand.

**ID:** 23934 | **Unit Name:** Landslide |  
**Deposit Type Code:** I | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** clay | **Secondary Material:** sand | **Primary General:** colluvial | **Primary General Modifier:** landslide | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Landslide area showing location of headscarp and general trend of slump ridges. Ridges generally consist of clay with overlying or admixed sand.





**ID:** 24061 | **Unit Name:** Landslide |  
**Deposit Type Code:** I | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** clay | **Secondary Material:** sand | **Primary General:** colluvial | **Primary General Modifier:** landslide | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Landslide area showing location of headscarp and general trend of slump ridges. Ridges generally consist of clay with overlying or admixed sand.

**ID:** 24212 | **Unit Name:** Landslide |  
**Deposit Type Code:** I | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** clay | **Secondary Material:** sand | **Primary General:** colluvial | **Primary General Modifier:** landslide | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Landslide area showing location of headscarp and general trend of slump ridges. Ridges generally consist of clay with overlying or admixed sand.

**ID:** 24237 | **Unit Name:** Bedrock |  
**Deposit Type Code:** Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

**ID:** 24343 | **Unit Name:** Organic deposits |  
**Deposit Type Code:** 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

**ID:** 24421 | **Unit Name:** Bedrock |  
**Deposit Type Code:** Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

**ID: 24464 | Unit Name: Till |**

**Deposit Type Code:** 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** N-NE | **Carbon Content:** | **Formation:** Undifferentiated silty-sandy till on Paleozoic terrain | **Permeability:** Low-Medium | **Material Description:** Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc

**ID: 24640 | Unit Name: Organic deposits |**

**Deposit Type Code:** 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

**ID: 24707 | Unit Name: Bedrock |**

**Deposit Type Code:** Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

**ID: 24735 | Unit Name: Offshore marine deposits |**

**Deposit Type Code:** 3 | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** sand | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay, silty clay and silt, commonly calcareous and fossiliferous; locally overlain by thin sands. Upper parts are generally mottled or laminated reddish brown and bluish grey and may contain lenses and pockets of sand, but at depth the clay is uniform a

**ID: 24945 | Unit Name: Deltaic and estuarine deposits |**

**Deposit Type Code:** 4 | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** deltaic | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Medium-to fine-grained sand, in some places fossiliferous; lies outside abandoned channels; most common deposit is a combined strip delta-sand plain that developed as water levels fell.



# Surface Geology Report

Surface Geology units found within 2000 m of  
3493, 3497, and 3499 Innes Road

Page 4  
Order No.  
22102100112



**ID:** 25610 | **Unit Name:** Deltaic and estuarine deposits |  
**Deposit Type Code:** 4 | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** deltaic | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface |  
**Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Medium-to fine-grained sand, in some places fossiliferous; lies outside abandoned channels; most common deposit is a combined strip delta-sand plain that developed as water levels fell.

**ID:** 25922 | **Unit Name:** Landslide |  
**Deposit Type Code:** I | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** clay | **Secondary Material:** sand | **Primary General:** colluvial | **Primary General Modifier:** landslide | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Landslide area showing location of headscarp and general trend of slump ridges. Ridges generally consist of clay with overlying or admixed sand.



**ID** - ID applied to the Unit

**Unit Name** - Name of deposit

**Deposit Type Code** - The geological unit number taken from the original map legend.

**Deposit Age** - to show the age when the sediments were deposited, e.g., Wisconsinan, postglacial or recent.

**Map Number** - Original map series number, eg., 'M2402' or 'P1973'. Each sgu\_point feature is tagged to its original map.

**Map Name** - Usually NTS area where mapping was completed, e.g., 'Golden Lake'

**Source Map Scale** - The scale at which the original map was captured, e.g., '1:50 000'

**Primary Material** - This attribute provides the user with information regarding the most prevalent material present within a given area.

**Primary Material Modifier** - This attribute provides the user with a more refined description of the lithological classification of the primary material.

**Secondary Material** - This attribute provides the user with information regarding subordinate materials present within a given area.

**Primary General** - This attribute provides the user with an interpretation of the depositional environment within which the primary material was deposited.

**Primary General Modifier** - This attribute provides the user with a refined interpretation of the primary genetic modifier.

**Veneer** - This attribute provides the user with information regarding the type of material that forms a thin, discontinuous veneer over the primary material.

**Sub Episode** - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

**Sub Episode** - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

**Phase** - A diachronic stratigraphic unit in a lower order than Subepisode, and the proposed sequence-stratigraphic classification is listed in the following table in the eastern and northern Great Lakes area (Karrow et al. 2000)

**Stratus Modifier** - This attribute provides the user information regarding the stratigraphic position of the mapped unit (i.e., whether the unit occurs primarily on the surface or in the subsurface).

**Provenance** - This attribute provides the user with information regarding the provenance of a particular till unit (i.e. direction or lobe from which the till is derived).

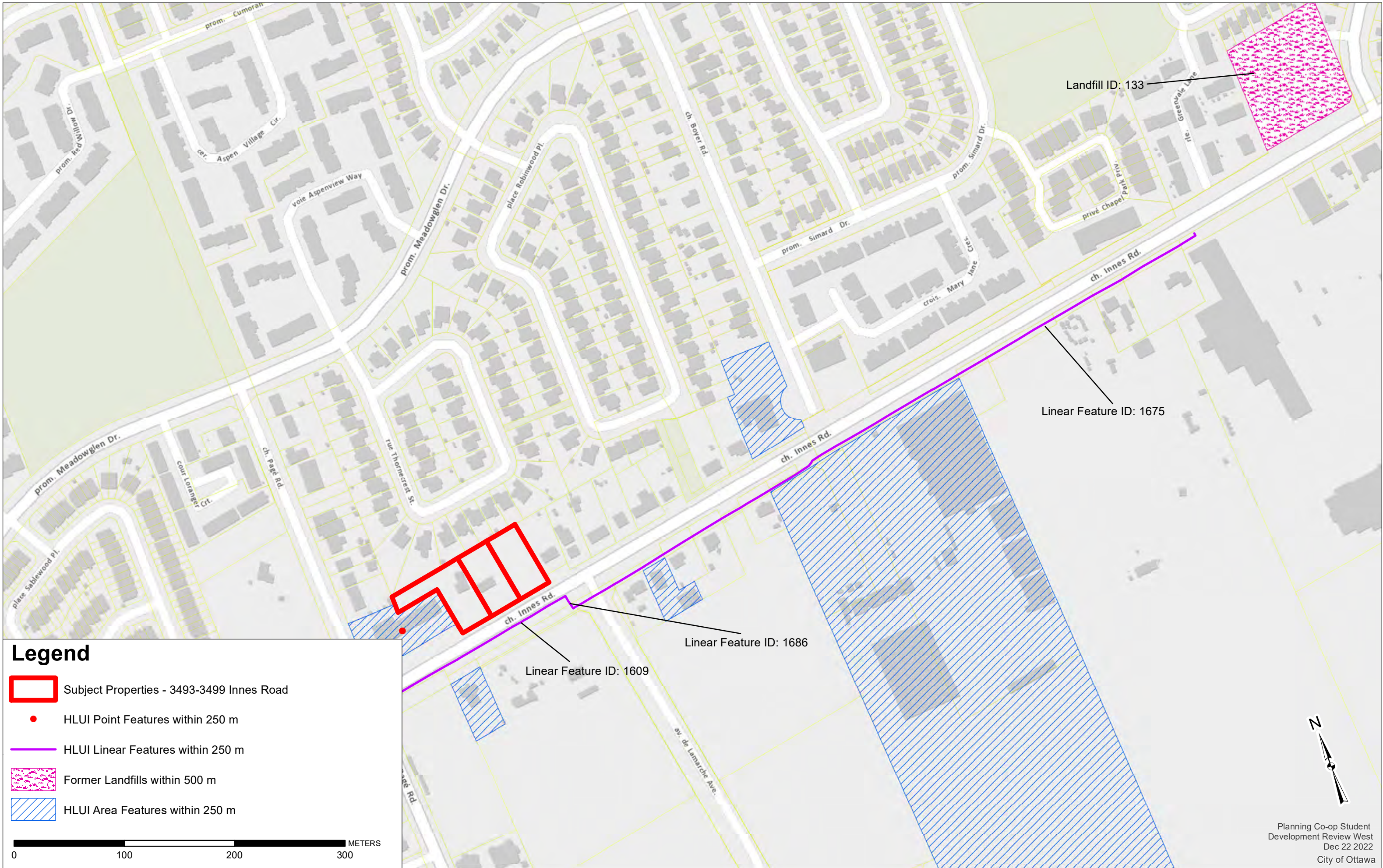
**Carbon Content** - This attribute provides the user with information regarding the carbonate content of till.

**Formation** - This attribute provides the user with information regarding the formation to which a given primary material belongs (e.g., Tavistock Till, Port Stanley Till, Scarborough Formation). This attribute is seamless and allows the user to create a map based on formation.






**Permeability** - This attribute provides the user with basic information about permeability of the sediments in a ranking of high, medium and low.

**Material Description** - Material or sediment description, e.g., 'sand and silty fine sand', 'silty sand and gravel' and 'silty till with low stone content'.

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



**Legend**

-  Subject Properties - 3493-3499 Innes Road
-  HLUI Point Features within 250 m
-  HLUI Linear Features within 250 m
-  Former Landfills within 500 m
-  HLUI Area Features within 250 m

0 100 200 300 METERS

  
 Planning Co-op Student  
 Development Review West  
 Dec 22 2022  
 City of Ottawa

HLUI SUMMARY REPORT  
 AREA FEATURES

| OBJECTID | ACTIVITY_NAME       | FACILITY_TYPE             | SOURCE_UPDATE_SORTED           | QAQC | YEAR      | YEAR_1      | ST_NUM | ST_NAME | ST_SUFFIX | ST_DIR | MUNICIPALITY |
|----------|---------------------|---------------------------|--------------------------------|------|-----------|-------------|--------|---------|-----------|--------|--------------|
| 10982    | CLASSIC CREATIONS   | Educational services      | 2006-ES                        | 1    |           |             | 3484   | INNES   | RD        |        |              |
| 12147    | PLUMBING DEPOT      | Plumbing, Heating and Air | 2001-ES; 2005-SelectPhone; 200 | 1    | 2001-2006 | c. 2001; c. | 3544   | INNES   | RD        |        |              |
| 12148    | LYNX ENERGY SVC LIM | Mechanical Specialty Wor  | 2005-SelectPhone               | 1    | 2005      | c. 2005     | 3544   | INNES   | RD        |        |              |
| 12149    | NORMCO FORMING LIM  | Structural and Related Wc | 2001-ES; 2005-SelectPhone; 200 | 1    | 2005      | c. 2001; c. | 3544   | INNES   | RD        |        |              |
| 12170    | CARREFOUR DRY CLEA  | Other/Dry Cleaners        | 2006-ES; 2012-ES               | 1    | 2006-2012 | ES 2006; E  | 3469   | INNES   | RD        |        |              |
| 12171    | ULTRAMAR            | Service Stations-Gasoline | 2006-ES; 2012-ES; 2017-SalesG  | 1    | 2006-2017 | ES 2006; E  | 3469   | INNES   | RD        |        |              |
| 12172    | ORLEANS DRY CLEANER | Other/Dry Cleaners        | 2006-ES; 2012-ES; 2017-SalesG  | 1    | 2006-2017 | ES 2006; E  | 3469   | INNES   | RD        |        |              |
| 12173    | BREWMASTERS CLUB M  | Soft Drink Industry       | 2001-ES                        | 1    | 2001      | c. 2001     | 3469   | INNES   | RD        |        | ORLEANS      |
| 12178    | BELL CANADA         | Telecommunication Carrie  | 2000-PID                       | 1    | 2000      | c. 2000; c. | 3605   | INNES   | RD        |        | CUMBERL      |
| 13285    | BUILDERS' WAREHOUSE | Lumber and Building Mate  | 1922-DMD-TM-Ottawa-Sheet#14    | 1    | 1985-2016 | 1985-2016   | 3636   | INNES   | RD        |        | NEPEAN       |

HLUI SUMMARY REPORT  
 AREA FEATURES

| ST_NUM201<br>7 | ST_NAME2017 | ST_SUFFIX2<br>017 | ST_DIR2017 | POSTAL_CO<br>DE2017 | PIN2017  | MUNICIPALITY2017 | NAICS   | SIC | COMMENTS               | STORAGE_TANK | Shape_Length |
|----------------|-------------|-------------------|------------|---------------------|----------|------------------|---|-----|------------------------|--------------|--------------|
| 3484           | INNES       | RD                |            | K1C1T1              | 44040462 | GLOUCESTER       | 611610  |     |                        |              | 174.0801655  |
| 3544           | INNES       | RD                |            | K1C1T1              | 44040466 | GLOUCESTER       | 238210; 238220; 238910; 444190                    |     |                        |              | 178.2199985  |
| 3544           | INNES       | RD                |            | K1C1T1              | 44040466 | GLOUCESTER       | 238210; 238220; 238910                            |     |                        |              | 178.2199985  |
| 3544           | INNES       | RD                |            | K1C1T1              | 44040466 | GLOUCESTER       | 238110; 238190                                    |     |                        |              | 178.2199985  |
| 3469           | INNES       | RD                |            | K1C1T1              | 44060222 | GLOUCESTER       | 447110; 812310; 812320                            |     |                        |              | 270.3127089  |
| 3469           | INNES       | RD                |            | K1C1T1              | 44060222 | GLOUCESTER       | 447110; 812310; 812320                            |     |                        |              | 270.3127089  |
| 3469           | INNES       | RD                |            | K1C1T1              | 44060222 | GLOUCESTER       | 447110; 812310; 812320                            |     |                        |              | 270.3127089  |
| 3469           | INNES       | RD                |            | K1C1T1              | 44060222 | GLOUCESTER       | 312120  |     |                        |              | 270.3127089  |
| 3605           | INNES       | RD                |            | K1C1T1              | 44060621 | GLOUCESTER       | 515110; 515120; 517110; 517210; 517310; 517410; 5 |     |                        |              | 295.4186153  |
| 3636           | INNES       | RD                |            | K1C1T1              | 44040452 | GLOUCESTER       | 321111; 321112 251; 563                           |     | UTM = 436700E, 501385C |              | 1382.96043   |

HLUI SUMMARY REPORT  
AREA FEATURES

| Shape_Area |
|------------|
|------------|

1712.316255  
1431.586263  
1431.586263  
1431.586263  
3704.558365  
3704.558365  
3704.558365  
3704.558365  
4255.753617  
97273.16945



**Ministry of the Environment,  
Conservation and Parks**

Access and Privacy Office  
12<sup>th</sup> Floor  
40 St. Clair Avenue West  
Toronto ON M4V 1M2  
Tel: (416) 314-4075  
Fax: (416) 314-4285

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

Bureau de l'accès à l'information et  
de la protection de la vie privée  
12<sup>e</sup> étage  
40, avenue St. Clair ouest  
Toronto ON M4V 1M2  
Tél. : (416) 314-4075  
Télééc.: (416) 314-4285



February 22, 2021

Jenna Findlay  
BluMetric Environmental Inc.  
3108 Carp Rd., P.O. Box 430  
Carp (Ottawa), ON K0A 1L0

Dear Jenna Findlay:

RE: ***Freedom of Information and Protection of Privacy Act Request  
Our File # A-2020-03741, Your Reference 200412***

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 3493 Innes Road, Ottawa.

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Hira Ashraf at (647) 642-9681 or [hira.ashraf@ontario.ca](mailto:hira.ashraf@ontario.ca).

Yours truly,

Noel Kent  
Manager, Access and Privacy

**Ministry of the Environment,  
Conservation and Parks**

Access and Privacy Office  
12<sup>th</sup> Floor  
40 St. Clair Avenue West  
Toronto ON M4V 1M2  
Tel: (416) 314-4075  
Fax: (416) 314-4285

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

Bureau de l'accès à l'information et  
de la protection de la vie privée  
12<sup>e</sup> étage  
40, avenue St. Clair ouest  
Toronto ON M4V 1M2  
Tél. : (416) 314-4075  
Télééc.: (416) 314-4285



February 22, 2021

Jenna Findlay  
BluMetric Environmental Inc.  
3108 Carp Rd., P.O. Box 430  
Carp (Ottawa), ON K0A 1L0

Dear Jenna Findlay:

RE: ***Freedom of Information and Protection of Privacy Act Request  
Our File # A-2020-03742, Your Reference 200412***

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 3497 Innes Road, Ottawa.

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Hira Ashraf at (647) 642-9681 or [hira.ashraf@ontario.ca](mailto:hira.ashraf@ontario.ca).

Yours truly,

Noel Kent  
Manager, Access and Privacy

**Ministry of the Environment,  
Conservation and Parks**

Access and Privacy Office  
12<sup>th</sup> Floor  
40 St. Clair Avenue West  
Toronto ON M4V 1M2  
Tel: (416) 314-4075  
Fax: (416) 314-4285

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

Bureau de l'accès à l'information et  
de la protection de la vie privée  
12<sup>e</sup> étage  
40, avenue St. Clair ouest  
Toronto ON M4V 1M2  
Tél. : (416) 314-4075  
Télééc.: (416) 314-4285



February 22, 2021

Jenna Findlay  
BluMetric Environmental Inc.  
3108 Carp Rd., P.O. Box 430  
Carp (Ottawa), ON K0A 1L0

Dear Jenna Findlay:

RE: ***Freedom of Information and Protection of Privacy Act Request  
Our File # A-2020-03743, Your Reference 200412***

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 3499 Innes Road, Ottawa.

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Hira Ashraf at (647) 642-9681 or [hira.ashraf@ontario.ca](mailto:hira.ashraf@ontario.ca).

Yours truly,

Noel Kent  
Manager, Access and Privacy



345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Tel.: 416.734.3300  
Fax: 416.231.1626  
Toll Free: 1.877.682.8772

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

**Tel: (416) 734-3383**  
**Fax: (416) 231-6183**  
**Email: [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org)**

**08 July 2020**

Jenna Findlay  
BluMetric Environmental Inc.  
3108 Carp Road  
Ottawa, ON K0A 1L0

**Subject: 3493 Innes Road, Ottawa, Ontario**  
**Your File No.: 200412**  
**SR No.: 2855484**

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested information regarding the above noted subject.

A search of our records did not produce any Fuels Safety documents.

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.

Should you have any questions, please contact Public Information at [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org).

Yours truly,

*C. Hill*

Connie Hill  
Public Information Agent



345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Tel.: 416.734.3300  
Fax: 416.231.1626  
Toll Free: 1.877.682.8772

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

**Tel: (416) 734-3383**  
**Fax: (416) 231-6183**  
**Email: [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org)**

**08 July 2020**

Jenna Findlay  
BluMetric Environmental Inc.  
3108 Carp Road  
Ottawa, ON K0A 1L0

**Subject: 3497 Innes Road, Ottawa, Ontario**  
**Your File No.: 200412**  
**SR No.: 2855488**

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested information regarding the above noted subject.

A search of our records did not produce any Fuels Safety documents.

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.

Should you have any questions, please contact Public Information at [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org).

Yours truly,

*C. Hill*

Connie Hill  
Public Information Agent



345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Tel.: 416.734.3300  
Fax: 416.231.1626  
Toll Free: 1.877.682.8772

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

**Tel: (416) 734-3383**  
**Fax: (416) 231-6183**  
**Email: [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org)**

**31 July 2020**

Jenna Findlay  
BluMetric Environmental Inc.  
3108 Carp Road  
Ottawa, ON K0A 1L0

**Subject: 3499 Innes Road, Ottawa, Ontario**  
**Your File No.: 200412**  
**SR No.: 2876574**

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested information regarding the above noted subject.

A search of our records did not produce any Fuels Safety documents.

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.

Should you have any questions, please contact Public Information at [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org).

Yours truly,

*C. Hill*

Connie Hill  
Public Information Agent

## 10.4 SITE PHOTOGRAPHS

This appendix includes:

- Site photographs taken during the site visit;
- Aerial photographs of the Phase One Property.





1. Photo is taken facing north from the south boundary along Innes Road, looking at 3497 Innes Road and the structures on the Phase One Property.



2. Photo is taken facing northeast from the south boundary of the property along Innes Road, looking at 3499 Innes Road property.



3. Photo is taken facing northwest from the south boundary, looking at the 3493 Innes Road property.



4. Photo is taken inside the garage structure at 3493 Innes Road.



5. Photo is taken facing west from the central-east part of the Phase One Property.



6. Photo is taken facing west from the north side of the 3493 Innes Road property.





7. Photo is taken facing east from the west side of the garage building on 3493 Innes Road.



8. Photo is taken along the western boundary of the Phase One Property, showing the location of MW1.



9. Photo is taken of the southwest corner of the trailer structure at 3497 Innes Road, showing the location of the utility connections, which were shut off at the time of the site visit.



**Historical Aerial Photography of the Site**  
3493, 3497, and 3499 Innes Road, Ottawa, Ontario  
1945  
230028 – January 2023





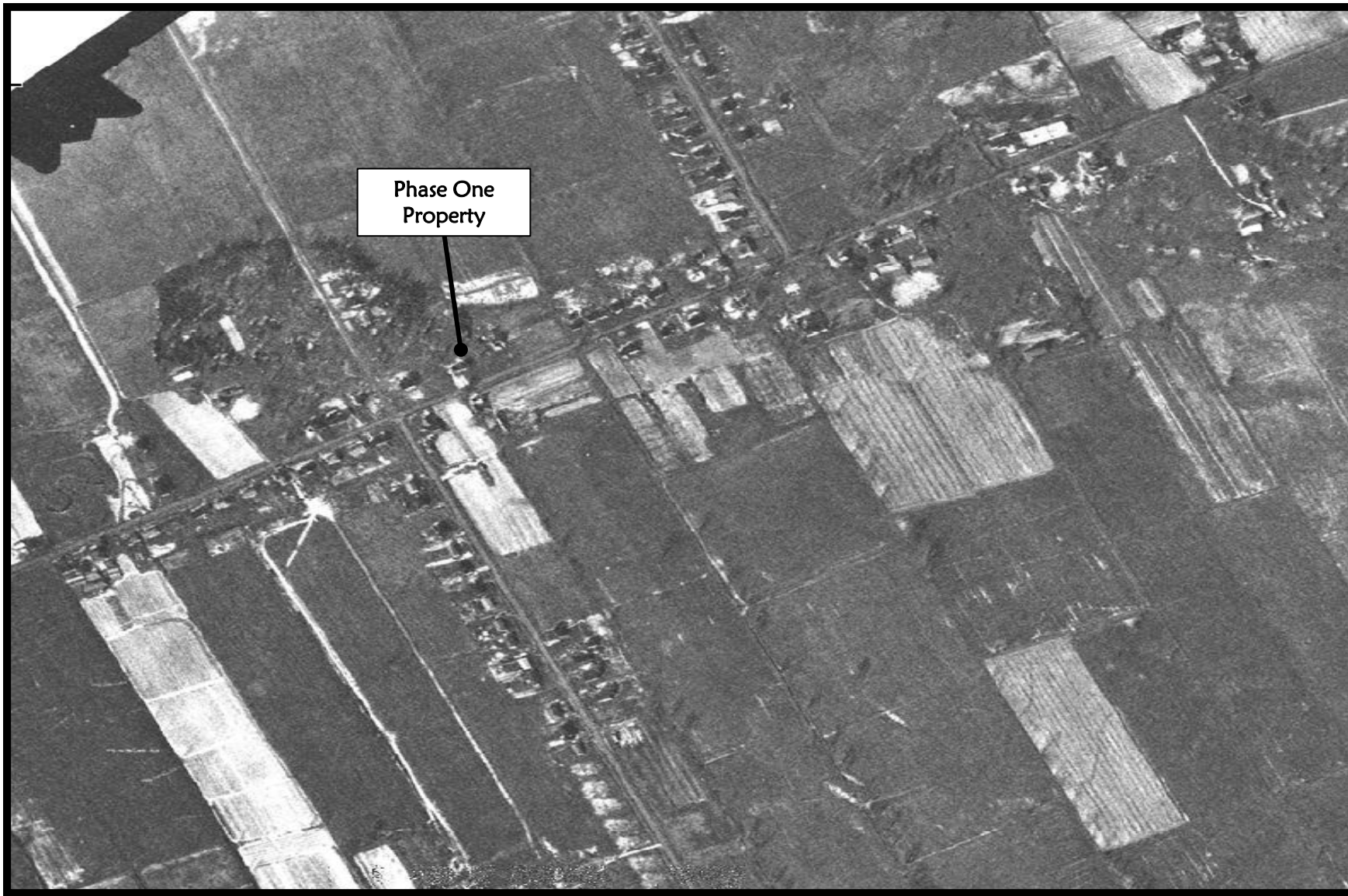
**Historical Aerial Photography of the Site**  
3493, 3497, and 3499 Innes Road, Ottawa, Ontario  
1954  
230028 – January 2023





**Historical Aerial Photography of the Site**  
3493, 3497, and 3499 Innes Road, Ottawa, Ontario  
1965  
230028 – January 2023





**Historical Aerial Photography of the Site**  
3493, 3497, and 3499 Innes Road, Ottawa, Ontario  
1967  
230028 – January 2023





**Historical Aerial Photography of the Site**  
3493, 3497, and 3499 Innes Road, Ottawa, Ontario  
1976  
230028 – January 2023





**Historical Aerial Photography of the Site**  
3493, 3497, and 3499 Innes Road, Ottawa, Ontario  
1981  
230028 – January 2023





Historical Aerial Photography of the Site  
3493, 3497, and 3499 Innes Road, Ottawa, Ontario  
1991  
230028 – January 2023







**Historical Aerial Photography of the Site**  
3493, 3497, and 3499 Innes Road, Ottawa, Ontario  
1999  
230028 – January 2023





**Historical Aerial Photography of the Site**  
3493, 3497, and 3499 Innes Road, Ottawa, Ontario  
2002  
230028 – January 2023





**Historical Aerial Photography of the Site**  
3493, 3497, and 3499 Innes Road, Ottawa, Ontario  
2008  
230028 – January 2023





**Historical Aerial Photography of the Site**  
3493, 3497, and 3499 Innes Road, Ottawa, Ontario  
2011  
230028 – January 2023





**Historical Aerial Photography of the Site**  
3493, 3497, and 3499 Innes Road, Ottawa, Ontario  
2014  
230028 – January 2023





**Historical Aerial Photography of the Site**  
3493, 3497, and 3499 Innes Road, Ottawa, Ontario  
2018  
230028 – January 2023





**Historical Aerial Photography of the Site**  
3493, 3497, and 3499 Innes Road, Ottawa, Ontario  
2021  
230028 – January 2023



## 10.5 ASSESSOR CREDENTIALS

This appendix includes the curriculum vitae for:

- Robert Hillier, P.Geo., QP<sub>ESA</sub>
- Amanda Gartshore, M.Sc.





## EDUCATION

- B.Sc., Earth Sciences, University of Waterloo, 1986

## YEARS OF EXPERIENCE

- 35 years of experience
- 34 years with BluMetric

## EMPLOYMENT HISTORY

- 1987 – Present: BluMetric, Senior Hydrogeologist (acting Branch Manager 2001 - 2011)
- 1986 – 1987: University of Waterloo, Institute for Groundwater Research, Research Assistant and Field Technician

## PROFESSIONAL AFFILIATIONS

- Professional Geoscientists of Ontario
- National Ground Water Association
- International Association of Hydrogeologists

## TRAINING

- Valid First Aid/CPR
- 8 Hour Hazwoper Refresher, 2011
- Understanding Environmental Regulations, EPIC, November 2008
- Cleanup of Contaminated Sites, Guideline Best Practices & Pitfalls to Avoid, MOE, May 2000
- Understanding Migration, Assessment and Remediation of Non-Aqueous Phase Liquids, National Groundwater Association, 1992
- 40 Hour Hazwoper, National Water Well Association, 1989
- Organic Contaminants In Groundwater, The Waterloo Centre for Groundwater Research, 1988

## LANGUAGES

- English

## ROLE

- Senior Hydrogeologist
- Project Geologist
- Project/Client Manager

## EXPERTISE

- Phased Environmental Site Assessments
- Soil and Groundwater Remediation
- Water Supply Assessment
- Solid Waste Management

## PROFESSIONAL PROFILE

Mr. Hillier's broad range of project experience in the fields of groundwater supply, contaminant hydrogeology, site remediation and environmental site assessment, permit him to provide a practical and common sense approach to addressing environmental related issues. He is well-versed with the specific requirements within both provincial and federal environmental guidelines, standards and regulations. Mr. Hillier has managed and carried out numerous large industrial and commercial property environmental site assessments for due diligence, financial assurance and redevelopment purposes. He has specific expertise in the design and implementation of remedial action plans, groundwater aquifer assessment, production well design/testing, and groundwater/surface water impact assessment for waste disposal sites, patrol yards and fuel handling sites. He has managed and conducted environmental science related projects in Eastern Canada, Nunavut, the United Kingdom and the Caribbean.

Mr. Hillier is a Qualified Person (QP) as per Ontario Regulation 153/04 for Phase I and II Environmental Site Assessments in support of filing for a Record of Site Condition. Mr. Hillier provides Senior Review and is the Competent Environmental Practitioner (CEP) for surface water and groundwater reporting to the MECP for assessment and monitoring of waste disposal sites.



## REPRESENTATIVE EXPERIENCE

### Project Management

Mr. Hillier manages projects in accordance with the procedures of BluMetric's Quality Management System and is responsible for project communication and planning; budget and resource allocations for the project and ensuring project deliverables are on schedule and meet all requirements. Mr. Hillier appreciates that the demands of each project and client are unique and that communication and a clear understanding of the client needs are key in delivering a successful project. He understands that project requirements sometimes change during implementation, and dedicates time and effort towards client service and project management to ensure that the project objectives continue to be effectively and efficiently met.

Mr. Hillier has successfully managed projects ranging from small scale to multi-year million dollar ventures. He is skilled at managing a broad range of projects involving solid waste management, contaminant hydrogeology, environmental site assessments and remediation, and municipal groundwater supply. He ensures the project teams are comprised of competently skilled personnel to produce a high quality product in a timely manner. He is skilled in project control (task implementation, scheduling, budget control, personnel management, etc.), communication with stakeholders, project risk management, and issues resolution and the presentation of investigation findings and recommendations. Mr. Hillier is adept at working with regulators at all government levels and has an in-depth understanding of the regulatory process allowing him to meet the client's objectives in a quick and efficient manner. A representative list of Mr. Hillier's long term clients includes:

- City of Ottawa Environmental Remediation Unit: 1998-Ongoing
- Hydro Ottawa: 2002-Ongoing
- Ottawa Carleton District School Board: 2006-Ongoing
- Circle K Stores (formerly Mac's Convenience Stores): 2002-Ongoing
- Port of Johnstown: 1987-Ongoing
- Canadian Bank Note Company Limited: 1995-Ongoing
- Infrastructure Ontario: 2011-2017
- International Paper: 1995-2013
- Canadian Pacific Railway: 1996-2001

### Environmental Site Assessment and Hydrogeological Investigations

Mr. Hillier has overseen soil and groundwater environmental site assessment studies for numerous domestic, commercial and industrial properties. He has investigated and characterized soil and groundwater conditions in the vicinity of a broad range of contaminant sources that have included the full range of available petroleum based products, chlorinated organic solvents (industrial use and dry cleaning), coal tar (former coal gasification plant), firefighting foams (PFOS), metals (industrial inks and wastewater). He has provided project management and technical expertise from initial project planning, contaminant characterization, data collection for risk assessment, and implementation of remedial measures and/or contaminant management plans. Mr. Hillier has provided peer review and expert opinion for various clients to ensure their environmental concerns are adequately addressed when ESA and/or remediation projects have been carried out by adjacent property owners or other stakeholders.



Mr. Hillier has conducted groundwater plume definition and environmental impact studies for numerous domestic, commercial and industrial properties. He has investigated and characterized soil and groundwater conditions in the vicinity of underground petroleum and solvent storage tanks. With respect to contaminant hydrogeology, his project management and technical involvement has included project planning, monitoring and purge well design and construction, water quality sampling, data analysis, remedial alternatives assessment and implementation of remedial measures. Mr. Hillier is a Qualified Person under Ontario Regulation 153/04 and has completed numerous Phased environmental assessments on behalf of Infrastructure Ontario, City of Ottawa, DND, DCC, PSPC, private industry, insurance companies and banks. Select projects include:

- Infrastructure Ontario. Brockville Psychiatric Hospital Phase I and II ESA, Risk Management and Remedial Alternatives Assessment, Brockville ON. Project Manager. Responsible for client communications, budget control, invoicing, technical support and report review. A 'Risk Opinion' was developed for IO to assess the risks posed by fill materials containing PAHs and metals exceeding O. Reg. 153/04 Site Condition Standards (May 2013-Feb 2017). Contract Value \$175,000.
- Infrastructure Ontario. Sir James Whitney School for the Deaf Phase I and II ESA, Belleville ON. Project Manager and Senior Hydrogeologist. Client contact and responsible for resource allocation (including subcontractors), scheduling, budget and overall QA/QC of all reports, senior technical advice and technical direction. The Phase I and II ESAs were performed completed in general accordance with O.Reg. 153/04 (Dec 2011-Dec 2012). Contract Value \$115,000.
- City of Ottawa, Phase One, Two ESA, Hydrogeological Study and Monitoring for 1631 Stittsville Main Street, Ottawa ON. The Phase One and Two ESAs were conducted to meet the requirements described in O. Reg. 153/04. Project Manager, Client Liaison and Technical Lead. Responsible for resource allocation (including subcontractors), scheduling, budget and overall QA/QC of all reports (May 2016-Nov 2017 (Phase One, Phase Two & Hydrogeological Study); Mar 2019-Sep 2019 (Monitoring)).
- City of Ottawa. Phase I/II ESAs, Soil and Groundwater Remediation at More Than 12 Sites, Including Ongoing Monitoring at Some Sites, Ottawa ON. Client Manager and Project Manager. Responsible for resource allocation (including subcontractors), scheduling, budget and overall QA/QC of all reports. Projects have included Phased ESAs for existing and former Municipal maintenance garage/yards (Ballantyne Building, Greely Yard, Huntley Yard, Torbolton Yard). Developed work specifications and Remediation Oversight for a \$200,000 subsurface remediation program for the Ballantyne Building. Duties have required liaising with regulators, municipal departments and private stakeholders (2006-Ongoing).
- Road Salt Impact Delineation for Various Patrol Yards and a Large Storage Facility: Port of Prescott (1987-Ongoing); City of Ottawa (2007-Ongoing).
- Circle K Stores (formerly Mac's Convenience Stores). Phase II ESAs, Soil and Groundwater Remediation at Multiple Retail Fuel Stations, Various Sites Eastern ON (2002-Ongoing).
- Canadian North (formerly First Air). Completed environmental site assessments at former and existing hangar facilities located in Ottawa Ontario. (2005-Ongoing). Contract Value \$100,000.
- Infrastructure Ontario. MNRF Pembroke Works Yard Limited Phase II ESA (June 2012), Remediation Planning and Oversight (2012-2013) and Long-Term Monitoring (2013-2016), Pembroke ON. Contaminant of concern was petroleum hydrocarbons. Project Lead. Responsible for client communication, budget control, invoicing, technical support and report review (May 2013-Mar 2017). This project included development of a remedial action plan and remedial specifications (NMS format), remediation oversight and follow-up environmental monitoring and reporting. BluMetric Contract Value (All Phases) \$250,000. Remediation Contract Value \$700,000.



- Infrastructure Ontario. Phase I, II ESA and Hydrogeology Study for a Site Near Cameron Avenue and Spence Road, Hawkesbury ON. Project Manager and Senior Hydrogeologist. Client contact and responsible for resource allocation (including subcontractors), scheduling, budget and overall QA/QC of all reports, senior technical advice and technical direction of the project. The Phase I and II ESAs were completed in general accordance with O.Reg. 153/04 (May 2015-Dec 2016). Contract Value \$65,000.
- Infrastructure Ontario. Brookside Youth Centre Phase I and II ESA, Cobourg ON. Separate Phase I and II ESAs for the East and West portions of the institutional property located at 390 King Street East in Cobourg, Ontario. Project Lead/Manager. Responsible for resource allocation (including subcontractors), scheduling, budget and overall QA/QC of all reports (Jun 2016-Sep 2016).
- Infrastructure Ontario. Phase I ESA for Site #43 Providence Continuing Care Centre (Kingston Psychiatric), Kingston ON. Project Manager. Responsible for resource allocation, subcontractor oversight and direction, scheduling, budget and overall QA/QC of reports. The ESA was completed in general accordance with O.Reg. 153/04 and also included comments on designated substances at the site. The project was completed on-time and on-budget (Jan-Mar 2016). Contract Value \$29,300.
- Infrastructure Ontario. Phase I ESA and Category B EA for the Perth Jail Property, Perth ON. Project Manager and Client Contact. Responsible for resource allocation (including subcontractors), scheduling, budget and overall QA/QC of all reports. This project was completed in support of the proposed severance and disposition of the subject property (Aug 2015-Jan 2016). Contract Value \$16,500.
- Infrastructure Ontario. Hazardous Materials and Designated Substances Survey (HMDSS), Phase II ESAs and Limited Category B Class EAs at Moose Lake, Round Lake and Machesney Lake Junior Ranger Camps ON. Project Manager. Client contact and responsible for resource allocation (including subcontractors), scheduling, budget and overall QA/QC of all reports. Project included HMDSS of 10 to 15 buildings at each of the three sites as per Ontario regulations. Phase Two ESAs were completed in general accordance with O. Reg. 153/04 (Nov 2014-Jan 2015). Total Contract Value \$125,000.
- Infrastructure Ontario. Phase I and II ESA and Hydrogeology Study for 440 Kent Street West Kawartha Lake, Lindsay ON. Project Manager and Senior Hydrogeologist. Client contact and responsible for resource allocation (including subcontractors), scheduling, budget and overall QA/QC of all reports, senior technical advice and technical direction. The Phase I and II ESAs were performed completed in general accordance with O.Reg. 153/04 (Dec 2011-Dec 2012). Contract Value \$95,000.
- Indigenous and Northern Affairs Canada, Various Sites NU and NT. Senior Technical Reviewer of various Phase I ESA and Phase II ESAs. Responsibilities included senior oversight/review of project deliverables (2009-2011).
- CP Railway, Ottawa ON. Petroleum hydrocarbon impacts from former bulk fuels storage facility adjacent to rail lands ultimately leased for use with Ottawa 'O' Train (1998-2002).
- Canadian North (formerly First Air), Arctic Bay NU. Completed an environmental site assessment on behalf of First Air for newly acquired lands and storage facilities located at the Nanisivik Airport near Arctic Bay and for a property located within the community of Nanisivik (1998).
- Amoco, Hawkesbury Ontario. Project hydrogeologist for subsurface chlorinated solvent impact delineation and assessment for large textile facility (1988-1992).

## Remediation

Mr. Hillier has gained extensive experience in remedial options and risk management measures analysis, remedial action planning and the implementation of subsurface remediation programs for soil and groundwater impacts. Experience using various conventional and innovative remediation technologies. Remedial action



plans were produced and successfully implemented for various sites that included reporting to the MECP and/or TSSA and/or reporting to municipalities and/or other consulting firms acting on behalf of other stakeholders. His wide range of project experience has proven valuable in identifying remediation strategies that best meet the ultimate goals, strategies, and economic resources/limitations of specific clients and/or situations. For those projects with an impact to the public, significant effort has been given to address the specific concerns of those individuals most affected by a remedial strategy. Select projects include:

- Multiple similar projects for the following insurers: AVIVA Insurance, the Co-operators, Pilot Insurance. Project Manager for domestic or commercial heating oil spills (losses ranging from 50-1500 litres). Remediation has included a combination of excavation and off-site disposal (landfill), product recovery through strategic pumping from temporary wells and in situ chemical oxidation (1995-Ongoing). Contract Values \$3,000 to \$75,000.
- Hydro Ottawa. Senior advisor and Qualified Person on >100 remediation projects relating to mineral insulation oil losses from residential/commercial transformers and transformer substations (2003 to 2014). Contract Values \$2,500 to \$40,000.
- Canadian Bank Note Company Limited. Provision of Environmental Services for a Property Impacted by Chlorinated Solvent in Groundwater, Ottawa ON. Tasks included: Phase II ESA (1999), remediation planning and groundwater pump and treat program (2000-2011) and long-term monitoring (2011-2016). Project Lead. Responsible for client communication, budget control, invoicing, technical support and report review. Total Contract Value \$200,000.
- Shorewood Packaging (now Newterra). Provision of Environmental Services for Remediation of Toluene from Impacted Groundwater at a Large Printing Facility, Brockville ON. Tasks included: Phase II ESA (1995); strategic pumping of groundwater from 6-metre length property boundary capture trenches with on-site treatment via air stripper (1996-2003); continued remediation via granular activated carbon (2003-2009); and long-term monitored natural attenuation program (2010-2016). Corrective actions, including lining of sanitary and storm sewers and installation of clay dams, implemented to protect against groundwater infiltration. Project Manager. Responsible for client communication, budget control, invoicing, technical support and report review. Total Contract Value \$400,000.

### **Environmental Assessment**

Mr. Hillier has overseen and reviewed multiple Class Environmental Assessments for various municipal and provincial level undertakings. His portfolio in this area includes several Infrastructure Ontario (2011-2017), Category B or C EAs for more than 20 sites with typical contract values from \$3,500 to \$8,000 (see detailed project descriptions above):

- CBRE. Former MNRF Works Yard Category B EA in Support of Building Demolition, Haliburton, ON (2016-2017). Contract Value \$5,000.

### **Waste Disposal Site Monitoring and Solid Waste Management**

Mr. Hillier's waste management experience includes conducting groundwater and surface water impact assessments; preparing the necessary documentation for the EPA site approval process, addressing MOE concerns such as disposal site hydrologic and hydrogeologic conditions; solid waste landfill leachate characterization and monitoring; and operation and closure planning. Projects for which Mr. Hillier is currently



Senior Reviewer and Competent Environmental Practitioner (CEP) for surface water and groundwater reporting including:

- Township of Augusta: Maynard (closed) Waste Disposal Site (WDS), North Augusta WDS (open).
- North Grenville: Kemptville, South Gower, Oxford Mills, Burritt's Rapids WDS (closed).

### **Groundwater Supply**

Mr. Hillier has conducted hydrogeological investigations to find potable sources of groundwater for municipal and private services. He has had project management and technical involvement in: target aquifer exploration and testing, groundwater treatability analysis, municipal/commercial/residential well design and construction, potable water sampling, aquifer testing, well head protection planning, and terrain analysis for septic system design. Select projects include:

- Stirling-Rawdon Township: Design, construction, and testing of a municipal production well. (2017-2019).
- Ottawa Carleton District School Board: Evaluation of groundwater treatment methods and remedial options for water supplies impacted by bacterial contamination and/or salt (2000-Ongoing).
- Moose Creek/Finch/Vars/Carp/Chesterville/Crysler/CFB Connaught Rifle Range: Design, installation, and testing of municipal supply production wells to replace existing substandard water supplies. Well Head Protection Planning and GUDI Assessment (1988-Ongoing).
- Multiple Clients: Terrain Analysis and Hydrogeological Investigation (MOE Procedures D-3, D-4 and D-5) for private servicing of rural residential and commercial land development since 1987. Select projects include:
  - Heron Estates Phase 2, Franktown(Ottawa) (2014 - 2018)
  - Maple Subdivision, Little Beverly Lake (2016)
  - Norcan Lake Conservation Subdivision (O'Brien Estates), Calabogie (2007-2009)
  - Canonto Lodge Subdivision, Calabogie (2008-2009)
  - Trans Canada Pipeline: Baseline Well Water Supply Survey and Impact Assessment/Correction for construction of Stittsville and Deux Rivieres Loops (2005-2006)
  - Vance Farm Residential Subdivision, Kanata (2003)
  - West Rideau Collector Sewer Tunnel Construction (Phases 4 and 5): Well Water Supply Survey and Well Impact Assessment/Correction (1993-1995)
  - Carleton University: Installation and aquifer testing of a series of pumping and reinjection wells for a large scale heat pump system (1987-1990)

### **Drinking Water Quality and Quantity Assessment**

Mr. Hillier has conducted hydrogeological investigations to find potable sources of groundwater for municipal and private services. He has had project management and technical involvement in: target aquifer exploration and testing, groundwater treatability analysis, municipal/commercial/residential well design and construction, potable water sampling, aquifer testing, well head protection planning, and terrain analysis for septic system design.

- Ontario Ministry of the Environment, Conservation and Parks (MECP). Task Lead, Water Bottling Study Areas Report, A Review of Ontario's Water Management Framework. Completion of an independent assessment of water quantity resources and management in ten water bottling study areas to identify



options for enhancement to Ontario's Water Quantity Management Framework (i.e. the Permit to Take Water process). Served as Task Lead and Senior Hydrogeologist (2018-2019).

- EDP Renewables. Baseline Well Water Quality Survey and Assessment of Water Well Complaints, Nation Rise Wind Farm, North Stormont, Ontario. Client Manager (2018 - 2019).
- City of Ottawa. Well Water Supply Quality Monitoring, Ottawa ON. Project Manager and Senior Advisor. Ongoing well water supply sampling for residential and commercial supplies to assess for potential salt impact derived from municipal works yards. Sampling completed up to 4 times a year and carried out adjacent to works yards located in Goulbourn, Cumberland, and West Carleton (2011 -Ongoing).
- City of Ottawa. Biosolids Well Inspections Program, Ottawa, ON. Project Manager and Senior Advisor (2016 - 2019).
- Canadian Science and Technology Museum Corporation. Potable Water Sampling Services, Ottawa ON. Senior Project Advisor and Senior Reviewer. Drinking water and livestock water sampling on an annual or as needed basis for the Aviation Museum, Agricultural Museum and Canadian Science and Technology Museum. Water sampling services are typically for water fountain and other potable source locations within the facilities and have included on-site measurement for chlorine residual and turbidity (2006-Ongoing).
- Township of Beckwith. Water Supply Program Implementation Area Sampling, Carleton Place ON. Senior Project Advisor and Senior Reviewer. Ongoing sampling of granular activated carbon (GAC) treated residential and commercial water supplies in a 9 kilometres in length by 5 kilometres in area of the Township of Beckwith. Completed the GAC system sampling program and, based on volatile organic compound analytical results, provided recommendations for GAC vessel replacement as needed. An average of 300 water samples per year were collected (2009-2013).
- Major Bottled Water Producer. Groundwater Source Investigation, Eastern ON. Senior Hydrogeologist. Desktop review and field investigation to identify potential groundwater sources for bottled water in Eastern Ontario and Western Quebec. Reviewed published and in-house hydrogeological maps and report and available water well record databases, and evaluated geographic data from provincial water well databases. Field work included evaluation of target areas through installation and aquifer testing of pilot production wells, survey of existing wells and water quality sampling (2006-2008).

## INTERNATIONAL PROJECT EXPERIENCE

- Trinidad and Tobago. Conducted a coastal water quality study for the island of Tobago. Objectives of the work program included mapping of point sources for coastal water quality impact and development of a GIS-based coastal water quality monitoring program (1997-1998).
- England/Wales. Conducted environmental audits at several Nortel (formerly Northern Telecom) Europe industrial sites located in the United Kingdom. Reviewed and provided recommendations on the storage and handling of hazardous waste materials. Identified existing environmental impacts due to past site activities. Completed Phase II Environment Site Assessment studies through drilling and soil and groundwater sampling programs (1992).



## EDUCATION

- M.Sc., Geography, University of Western Ontario, 2011
- B.A., Geography, University of Ottawa, 2008

## YEARS OF EXPERIENCE

- 10 years of experience
- 2 years with BluMetric

## EMPLOYMENT HISTORY

- 2019 – Present: BluMetric, Intermediate Environmental Scientist
- 2018: AiMS Environmental, Marketing and Promotions Manager
- 2016 – 2018: AiMS Environmental, Intermediate Environmental Scientist
- 2011 – 2015: AiMS Environmental, Environmental Scientist

## TRAINING

- First Aid, CPR and AED
- Pesticides: An Overview of Environmental Impact (Webinar)

## PROFESSIONAL AFFILIATIONS

- Certified Associate in Project Management (CAPM), 2018

## LANGUAGES

- English

## ROLE

- Intermediate Environmental Scientist

## EXPERTISE

- Phase One Environmental Site Assessment
- Records of Site Condition
- Project Management

## PROFESSIONAL PROFILE

Amanda Gartshore, M.Sc., CAPM, is an Intermediate Environmental Scientist and our Phase One ESA specialist. She is a Certified Associate Project Manager (CAPM), with over nine years of experience in environmental project management. She is skilled in coordinating and leading Phase One ESA projects in accordance with CSA Z769-00 and O. Reg. 153/04 and has successfully helped to prepare several RSC submissions for filing on the Environmental Site Registry by the MECP.

## REPRESENTATIVE EXPERIENCE

- RioCan Yonge Eglinton Centre. Phase One and Two Environmental Site Assessments and Record of Site Condition, 2116 Eglinton Avenue East, Toronto, ON. Intermediate Environmental Scientist. Project Coordinator and Leading the Phase One ESA, including fieldwork, historical data review, report compilation, and final ESA report drafting, in accordance with O. Reg. 153/04 (2019-Ongoing).
- RioCan Yonge Eglinton Centre. Phase One and Two Environmental Site Assessments and Record of Site Condition, 2480 Gerard Street East, Toronto, ON. Intermediate Environmental Scientist. Project Coordinator and Leading the Phase One ESA, including fieldwork, historical data review, report compilation, and final ESA report drafting, in accordance with O. Reg. 153/04 (2019-Ongoing).
- RioCan Yonge Eglinton Centre. Phase One and Two Environmental Site Assessments and Record of Site Condition, 456 Wellington Street West, Toronto, ON. Intermediate Environmental Scientist. Leading





the Phase One ESA, including fieldwork, historical data review, report compilation, and final ESA report drafting, in accordance with O. Reg. 153/04, as amended (2019-Ongoing).

- Tricon Development Group. Phase One and Two Environmental Site Assessments and Record of Site Condition, 2, 6, and 8 Gloucester Street, Toronto, ON. Intermediate Environmental Scientist. Leading the Phase One ESA, including fieldwork, historical data review, report compilation, and final ESA report drafting, in accordance with O. Reg. 153/04, as amended (2019-Ongoing).
  - Scrivener Square Nominee Inc. Phase One and Two Environmental Site Assessments and Record of Site Condition, 5 Scrivener Square, and 8, 10, and 10R Price Street, Toronto, ON. Intermediate Environmental Scientist. Leading the Phase One ESA, including the fieldwork, historical data review, report compilation, and final ESA report drafting, in accordance with O. Reg. 153/04, as amended (2019-Ongoing).
  - Context (Summerville) Inc. Environmental Work Queen and Coxwell, Toronto ON. Phase I and II Environmental Site Assessment and Hydrogeological Report. Intermediate Environmental Scientist. Leading the Phase One Environmental Site Assessment (ESA) in accordance with Canadian Standards Association (CSA) Z769-00 and O. Reg. 153/04, as amended (2019-Ongoing).
  - 250 Davenport Limited Partnership. Phase One and Two Environmental Site Assessments and Record of Site Condition, 250 Davenport Road, Toronto, ON. Intermediate Environmental Scientist. Leading the Phase One ESA, including the fieldwork, historical data review, report compilation, and final ESA report drafting, in accordance with O. Reg. 153/04, as amended (January 2019-April 2019).
  - 1630 Bloor Duwave Inc. Phase One Environmental Site Assessment (ESA), 1630 Bloor Street West, Toronto, ON. Intermediate Environmental Scientist. Leading the Phase One ESA, including the fieldwork, historical data review, report compilation, and final ESA report drafting, in accordance with Canadian Standards Association (CSA) Z769-00 and O. Reg. 153/04, as amended (January 2019-February 2019).
  - 10-20 Fincham Inc. Phase One and Two Environmental Site Assessment and Record of Site Condition, 10-20 Fincham Avenue, Markham ON. Phase One Environmental Site Assessment Report. Intermediate Environmental Scientist. Lead the Phase One Environmental Site Assessment (ESA), including the fieldwork, historical data review, report compilation, and final ESA report, in accordance with Canadian Standards Association (CSA) Z769-00 and O. Reg. 153/04, as amended (April 2018-September 2018).
  - GRID (Logan) Inc. Phase One and Two Environmental Site Assessment and Record of Site Condition, 794 Gerrard Street East, Toronto, ON. Intermediate Environmental Scientist. Lead the Phase One Environmental Site Assessment (ESA), including the fieldwork, historical data review, report compilation, and final ESA report, in accordance with Canadian Standards Association (CSA) Z769-00 and O. Reg. 153/04, as amended (April 2018-November 2018).
  - Corporation of the Township of Uxbridge. Phase One and Two Environmental Site Assessment and Record of Site Condition, 4289 Front Street, Goodwood, ON. Intermediate Environmental Scientist. Lead the Phase One Environmental Site Assessment (ESA), including the fieldwork, historical data review, report compilation, in accordance with Canadian Standards Association (CSA) Z769-00 and O. Reg. 153/04, as amended (April 2018-June 2018).
- Corporation of the Township of Uxbridge. Phase One Environmental Site Assessment and Record of Site Condition, 17 Bascom Street, Uxbridge, ON. Intermediate Environmental Scientist. Lead the Phase One Environmental Site Assessment (ESA), including the fieldwork, historical data review, and report compilation, in accordance with Canadian Standards Association (CSA) Z769-00 and O. Reg. 153/04, as amended (July 2018-August 2018).



## BluMetric Environmental Inc.

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