Phase One Environmental Assessment Update

2095 Dilworth Road, Ottawa, Ontario

Dilworth Development Inc.
Final Report

May 17, 2024
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By signing the above, the Qualified Person (QP) confirms that they have conducted and/or supervised the Phase One ESA Update and that all findings and conclusions of the Phase One ESA are included in this report.

Executive Summary

Englobe Corp. (Englobe) was retained by Dilworth Development Inc. (herein referred to as the "Client") to prepare a Phase One Environmental Site Assessment (ESA) Update for the property located at 2095 Dilworth Road (also referred to as 2097 and 2099 Dilworth Road) in Ottawa, Ontario (herein referred to as the "Site" or the "Phase One Property"). This Phase One ESA Update was prepared as an update to the previously completed Phase One ESA by DST, a division of Englobe (DST) in April 2021. The purpose of this update report was to document additional areas of potential environmental concern (APECs) on-Site, if any, since the date of the original assessment (i.e., since April 2021).

This Phase One ESA Update was completed in general accordance with the requirements of Ontario Regulation 153/04 Records of Site Condition – Part XV.1 of the Act under the Ontario Environmental Protection Act, R.S.O. 1990, chapter E.19 (O. Reg. 153/04), as amended.

The scope of this Phase One ESA Update did not include sampling and analysis of potentially contaminated media. Information regarding the Phase One Study Area (the Site and the area within 250 m of the Site boundaries) was compiled through a records review, Site interview, and Site reconnaissance visit. Federal, provincial, municipal, and private agencies/databases were searched during the records review for indicators of potential environmental concerns with regards to the Site and Phase One Study Area. It should be noted that responses from Environment and Climate Change Canada (ECCC), the Ministry of the Environment, Conservation and Parks (MECP), and the City of Ottawa were not received as of the issuance date of this report. If these responses affect the conclusions of this report, an addendum to the report will be issued by Englobe.

The Site reconnaissance was conducted on May 8th, 2024, by Englobe personnel and included observations of the Phase One Property as well as adjacent properties within the Phase One Study Area from publicly accessible locations. An interview was also conducted on May 8th, 2024, with Walter Griesseier, President of Dilworth Development Inc.

Based upon the findings of the Phase One ESA Update, no new APECs were identified at the Phase One Property for the study period of April 2021 to May 2024; thus, no further investigation in the form of a Phase Two ESA is required at the Site at this time.

However, in accordance with the recommendation provided in the previous Phase II ESA report for the Site (DST, 2021), it is recommended that PHC-impacted fill materials, as previously identified at the former BH21-11 location (immediately south of the service garage on-Site) be excavated and disposed of off Site (at an MECP-licensed waste disposal facility) during the construction of the proposed development on-Site. The management of excavated and excess soils during the proposed development should be managed in accordance with O. Reg. 406/19: On-Site and Excess Soil Management.

Furthermore, it is recommended that a Designated Substances and Hazardous Materials Assessment (DSHMA) be conducted at the Phase One Property prior to any renovation or demolition of the on-Site structures.

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1 Introduction

Englobe Corp. (Englobe) was retained by Dilworth Development Inc. (herein referred to as the "Client") to prepare a Phase One Environmental Site Assessment (ESA) Update for the property located at 2095 Dilworth Road (also referred to as 2097 and 2099 Dilworth Road) in Ottawa, Ontario (herein referred to as the "Site"). Refer to Figure 1, in Appendix A, for the Site Location Map.

This Phase One ESA Update was prepared as an update to the previously completed Phase One ESA by DST, a division of Englobe (DST) in April 2021. The purpose of this update report is to document additional areas of potential environmental concern (APECs) on-Site, if any, since the date of the original assessment (i.e., since April 2021).

The purpose of this Phase One ESA Update report was to evaluate actual and potential environmental concerns on-Site and to assess the potential for the Site to be impacted by the current and/or historical uses of the Site and surrounding properties. At this time, it is understood that a Phase One ESA Update is required in support of a Site Plan Control Application (SPCA), in preparation of future redevelopment plans for the Site. This Phase One ESA Update was completed in general accordance with the requirements of Ontario Regulation 153/04 Records of Site Condition – Part XV.1 of the Act under the Ontario Environmental Protection Act, R.S.O. 1990, chapter E.19 (O. Reg. 153/04), as amended.

The scope of this Phase One ESA Update did not include sampling and analysis of potentially contaminated media. Information regarding the Phase One Study Area (the Site and the area within 250 m of the Site boundaries) was compiled through a records review, Site interview, and Site reconnaissance visit. Federal, provincial, municipal, and private agencies/databases were searched during the records review for indicators of potential environmental concerns with regards to the Site and Phase One Study Area. It should be noted that responses from Environment and Climate Change Canada (ECCC), the Ministry of the Environment, Conservation and Parks (MECP), and the City of Ottawa were not received as of the issuance date of this report. If these responses affect the conclusions of this report, an addendum to the report will be issued by Englobe.

This report was prepared for the exclusive use of the Dilworth Development Inc. Any use of this report by any third party, or any reliance on or decisions to be made based on it, are the responsibility of such parties. Englobe accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report. Full Report Limitations are provided in Section 9 of this report.

1.1 Phase One Property Information

The Phase One Property is located at 2095 Dilworth Road, in Ottawa, Ontario. The property is zoned as RU – Rural Countryside Zone. Refer to Figure 1, in Appendix A, for a Site Location Map.

The legal description of the Phase One Property is as follows:

- Lot 35, Concession 3 (Ottawa Front), Rideau-Goulbourn Ward, City of Ottawa, Civic Addresses of 2095, 2097, and 2099 Dilworth Road.

The Site consists of an irregular-shaped parcel of land that has a total area of approximately 352,608 m^2 (35 hectares). The Site is currently developed with the following structures:

- One-storey commercial snowmobile storage and service garage (approximately 625 m^2 building footprint);
- Two-storey residential dwelling (approximately 160 m^2 building footprint);

- One-storey residential trailer home (approximately 85 m^2 building footprint); and
- Two small storage sheds (approximately 30 m^2 total building footprints).

1.2 Client Contact Information

The Site is currently owned by Dilworth Development Inc. The contact information for the Client representative is as follows:

- Walter Griesseier of Dilworth Development Inc.
    - Telephone: 613.223.4900
    - Email: walterg@louconmetal.com
    - Business Address: 92 Bentley Avenue, Ottawa, ON K2E 6T9

2 Scope of Investigation

The scope of work for this Phase One ESA Update is summarized in the following subsections. All work was completed in general accordance with O. Reg. 153/04 (as amended).

2.1 Records Review

An Environmental Risk Information Services (ERIS) Database report (May 2024), aerial photographs, and federal, provincial, and municipal databases were reviewed to determine whether new sources of contaminants and/or potentially contaminating activities have occurred since April 2021.

2.2 Interview

Englobe conducted an interview with Walter Griesseier, President of Dilworth Development Inc. (the Site property owner at the time of this assessment), during the Site reconnaissance on May 8, 2024.

2.3 Site Reconnaissance

A Site reconnaissance was conducted on May 8th, 2024 to inspect the Site and surrounding properties. Surrounding properties were assessed from publicly accessible locations.

2.4 Data Evaluation and Reporting

The data collected during the records review and the Site reconnaissance was compiled and reviewed by Englobe's QP. The information has been presented in a logical manner that evaluates actual and potential environmental issues that may affect the environmental condition at the Site. A summary of actual or potential environmental concerns which may affect the Site have been summarized in Section 6.

3 Records Review

3.1 General

Information related to the Site was received and/or requested from numerous sources, as detailed in this section. The agencies contacted, information requested, and responses received are summarized in the following sub-sections.

3.1.1 Phase One Study Area Determination

The Phase One Study Area encompasses the Site, as well as properties wholly and partly located within 250 m of the Site boundaries, as shown in Figure 3 of Appendix A.

3.1.2 First Developed Use Determination

Per the previous Phase One ESA report for the Site (DST, April 2021), the Site was first used for residential purposes prior to 1936. The Site appeared to be developed with the Site buildings in their present configuration in the 1976 aerial photograph. Prior to that time, the Site appeared to be developed with a rural residential dwelling and used for agricultural purposes, based upon review of the 1936 and 1959 aerial photographs.

3.1.3 Fire Insurance Plans

No Fire Insurance Plans for the Phase One Property were available for review.

3.1.4 Chain of Title

Per the previous Phase One ESA report for the Site (DST, April 2021), based on the available city directories, aerial photographs and interview information, the Site was first used for residential purposes prior to 1936 and was subsequently used for mixed residential/commercial/agricultural purposes from approximately the 1970s to present time. Review of these records satisfies the objectives of the chain of title search. A title search for the property back to the date of ownership by the Crown would not contribute to obtaining additional information about the environmental condition of the Phase One property.

3.1.5 Environmental Reports

The following environmental reports were made available for review by Englobe:

- “Phase One Environmental Site Assessment - 2095 Dilworth Road, Kars, Ontario”. Prepared by DST, a division of Englobe. April 2021. DST File No. 02101208.000.
- “Phase II Environmental Site Assessment - 2095 Dilworth Road, Kars, Ontario”. Prepared by DST, a division of Englobe. April 2021. DST File No. 02101208.000.

Summaries of the pertinent information gathered from each of the above-noted reports/documents are provided below:

3.1.5.1 Phase One Environmental Site Assessment (ESA), DST, a division of Englobe, April 2021

DST was retained by Dilworth Development Inc. to conduct a Phase One ESA for the Site. Information regarding the Phase One Study Area (area within 250 m of Phase One Property boundaries) was compiled through a records review, site reconnaissance and interviews of personnel knowledgeable about the Phase One Property.

Based on the findings of DST's site reconnaissance, interview and environmental records review, the following areas of potential environmental concern (APECs) were identified on-Site at the time:

Table 3.1.5.1. Areas of Potential Environmental Concern

APEC	Location of APEC on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-Site or off Site)	Contaminants of Potential Environmental Concern (COPCs)	Media Potentially Impacted
APEC 1 Fill Material of unknown quality likely present on-Site.	Developed portion of the property	PCA #30 - Importation of Fill Material of Unknown Quality	On-Site	Metals and polycyclic aromatic hydrocarbons (PAHs)	Soil
APEC 2 Existing Commercial Garage	Within the area of the on-Site garage	PCA #52 - Storage, maintenance, fuelling, and repair of equipment, vehicles, and material used to maintain transportation systems	On-Site	Petroleum hydrocarbons (PHCs) and volatile organic compounds (VOCs)	Soil and groundwater

Based on the APECs identified above, DST recommended further investigation in the form of a Phase Two ESA to assess the environmental quality of soils and groundwater within the identified APECs on-Site.

3.1.5.2 Phase II Environmental Site Assessment, DST, a division of Englobe, April 2021

DST was retained by Dilworth Development Inc. to conduct a Phase II ESA at the Site to evaluate the environmental quality of soil and groundwater within the APECs identified on-Site.

The Phase II ESA conducted by DST consisted of the following activities:

- The advancement of a total of 12 boreholes to depths ranging between 1.2 to 7.2 metres below ground surface (m bgs).
- The collection and submission of a total of eight soil samples, including one field duplicate, for laboratory analysis of contaminants of potential concern (COPCs):
    - Five soil samples were analyzed for petroleum hydrocarbons (PHC) fractions F1 - F4 (PHCs F1-F4), benzene, toluene, ethylbenzene and xylenes (BTEX) and volatile organic compounds (VOCs);
    - Two soil samples were analyzed for metals and polycyclic aromatic hydrocarbons (PAHs); and
    - One field duplicate soil sample was analyzed for metals.
- The collection of groundwater samples, including one field duplicate sample, from two monitoring wells, for laboratory analysis of COPCs:

- Two groundwater samples were analyzed for PHCs F1-F4, BTEX, VOCs, metals and inorganics, and pesticides.
- One field duplicate groundwater sample was analyzed for PHCs F1-F4, BTEX, and VOCs.

Based on the laboratory analytical results, the results of the investigation can be summarized as follows:

— Two soil samples, BH21-11 SS1 (0.0-0.6 m) and BH21-11 SS2 (0.6-1.2 m), exceeded the applicable MECP Table 1 standards for the Site for PHC F4 and PHC F4 (gravimetric). Soil sample BH21-11 SS1 (0.0-0.6 m) also exceeded Table 1 standards for PHC F3;
— The concentrations all analyzed soil parameters in the remaining laboratory-submitted soil samples met the applicable MECP Table 1 standards;
— The groundwater sample collected from MW21-01 (including the duplicate sample) exceeded the applicable MECP Table 1 standard for ethylbenzene (reported concentration of 0.6 µg/L vs. the standard of 0.5 µg/L); and
— The groundwater sample collected from MW21-06, exceeded the applicable MECP Table1 standard for chloroform reported concentration of 8.3 µg/L vs. the standard of 2 µg/L).

Based on the results of the Phase II ESA, PHC (F3 and F4) impacts above the applicable MECP Table 1 standards were identified in the fill material collected from the BH21-11 location. Ethylbenzene impacts above the applicable MECP Table 1 standards were identified in the groundwater sample collected from the MW21-01 location. Chloroform impacts above the applicable MECP Table 1 standards were identified in the groundwater sample collected from the MW21-06 location.

DST recommended that PHC-impacted fill materials be excavated and disposed of off Site (at an MECP-licensed waste disposal facility) during the construction of the proposed development on Site.

Regarding the observed MECP Table 1 exceedances in the Site groundwater, DST completed a further comparison of the results utilizing the MECP rational document, titled:

"Rationale for the Development of Soil and Groundwater Standards for Use at Contaminated Sites in Ontario, April 2011 - Groundwater Components for Non-potable Water Scenario for Coarse Textured Soil, Appendix A3".

The MECP rationale document is used to assess specific contaminant exposure pathways in order to develop soil and groundwater site condition standards (SCSs). Components used for the development of groundwater SCSs include: (1) the drinking water component (GW1); the protection of indoor air from vapours originating from groundwater component (GW2); and the protection of the aquatic environment component (GW3). Based on a comparison of the standards for ethylbenzene and chloroform for the GW1, GW2 and GW3 components, the drinking water component (GW1) was considered the groundwater pathway that represents the most stringent standards for ethylbenzene and chloroform applicable to the Site. The GW1 standards for ethylbenzene and chloroform in a potable water scenario, for commercial/industrial land use and coarse textured soil conditions, are 2.4 µg/L and 25 µg/L, respectively. Therefore, the groundwater analytical results for ethylbenzene in groundwater sample MW21-01 (including its field duplicate) and chloroform in groundwater sample MW21-06 were below the aforementioned pathway-based standards and, thus, it was reported by DST that, at the time of the Phase II ESA, there was no risk associated with the groundwater quality on Site, as it pertained to the reported ethylbenzene and chloroform levels.

Furthermore, DST indicated that since the proposed development at the Site, including both monitoring well locations (MW21-01 and MW21-06), are located more than 30 metres away from the Provincially Significant Wetland on Site, the MECP Table 1 background standards for ethylbenzene and chloroform (0.5 µg/L and 2 µg/L, respectively) are not considered applicable.

3.2 Environmental Source Information

Environmental information for the Site was obtained from the sources described in the sub-sections below. Distances provided relative to the Site are approximations. Locations of records with respect to surface runoff and groundwater flow direction relative to the Site are also inferred.

3.2.1 ERIS Database Report

Environmental Risk Information Services (ERIS) was retained by Englobe to complete a search of various federal, provincial, and private agencies/databases for environmental information regarding the Site and properties within 250 m of the Site.

In total, there were four records found for the Phase One Property and 32 records found for the Phase One Study Area (properties within 250 m of the Site). The following table is a summary of the pertinent results of the database search as they relate to potential impacts to the environmental condition of the soil and groundwater at the Site, between April 2021 and May 2024.

Table 3.2.1. Summary of Relevant ERIS Database Search Report

Name/Location	Approximate Distance from the Site	Details
2022 Dilworth Road	165 m east of the Site.	(3) Pesticides Register (PES) records indicates: – The property was licensed with a Pest Operator licence, with approvals listed on October 18, 2021, December 1, 2022, and February 5, 2024.

Based on a review of the information gathered in the above table, no new PCAs have been identified at the Site or within the Phase One Study Area.

Please refer to Appendix D for a copy of the ERIS Database Report.

3.2.2 City Directory Information

No City Directory records were available for the Phase One Study Area.

3.2.3 MECP Inventory of Coal Gasification Waste Plants in Ontario

A review of the MECP's Inventory of Coal Gasification Plant Waste Sites in Ontario (April 1987) revealed that the Site has not been used for the gasification of coal. No coal gasification plants were identified within the Phase One Study Area.

3.2.4 MECP Inventory of Industrial Sites Producing Tars and Related Tars in Ontario

A review of the MECP's Inventory of Industrial Sites Producing Coal Tars and Related Tars in Ontario (November 1988) revealed that the production and use of coal or other tars has not taken place at the Site or within the Phase One Study Area.

3.2.5 MECP Inventory of PCB Sites in Ontario

A review of the MECP’s Inventories of polychlorinated biphenyl (PCB) Storage Sites in Ontario (1991 and 1995) indicates that no PCB storage sites were present within the Phase One Study Area.

3.2.6 MECP Waste Disposal Site Inventory

A review of the MECP's Waste Disposal Site Inventory (1991) revealed that the Site was not previously used as a waste disposal site, and no previous or active waste disposal sites were identified in the Phase One Study Area.

3.2.7 Environment and Climate Change Canada (ECCC)

Englobe submitted a freedom of information request to the ECCC under the Access to Information Act, to provide available information related to environmental concerns (general correspondence, occurrence reports, abatement), orders, tanks (ASTs/USTs), spills, investigations/prosecutions (with owner/tenant information), and waste generator number/classes for the Phase One Property.

A response was not received as of the issuance date of this report. If the search results affect the conclusions of this report, an addendum to the report will be issued.

3.2.8 Ministry of the Environment, Conservation, and Parks (MECP)

A request for information was made through the MECP Environmental Property Information system for information on the Site, such as past or existing environmental permits, existing environmental orders, fuel storage tanks, or any other environmentally related information.

A response was not received as of the issuance date of this report. If the search results affect the conclusions of this report, an addendum to the report will be issued.

3.2.9 Technical Standards and Safety Authority (TSSA)

The TSSA Fuel Handling Division is responsible for records regarding licensing of fuel handling facilities in Ontario. The TSSA was contacted for any information with respect to environmental concerns, which could include past or existing environmental spills, information on fuel tanks, or any other related environmental information at the Site.

A response was received on May 10th, 2024, indicating that there are no records for the Site. Please refer to Appendix E for a copy of this request.

3.2.10 City of Ottawa

Englobe submitted Historic Land Use Inventory Request to the City of Ottawa, under the Access to Information Act, to provide available information related to the environmental condition of the Phase One Property.

A response was not received as of the issuance date of this report. If the search results affect the conclusions of this report, an addendum to the report will be issued.

3.3 Physical Setting Source

Aerial photographs subsequent to 2021 were reviewed for information pertaining to the physical setting of the Site. A description of the results for each record reviewed is provided below.

3.3.1 Aerial Photographs

Aerial photographs can provide an indication of historical land uses with respect to the Site and surrounding properties. One new aerial photograph was obtained and reviewed as part of this Phase One ESA Update, for the year 2022. The reviewed aerial photograph, showing the approximate Site location and Phase One Study Area, is provided in Appendix C.

Table 3.3.1. Summary of Aerial Photographs

Aerial Photograph Year	Site Observations	Surrounding Properties Observations
2022	The Site is developed with two large structures and two small sheds. To the east side of the buildings, stored materials/debris can be seen. The west side of the Site appears to have dirt roads which lead throughout the Site. The southwest corner of the Site consists of a dirt surface with no clear development or use. The east side of the Site consists of a small water body and vegetation. To the north of the Site, a small woodland is present.	North of the Site: Forested and vacant lands East of the Site: Residential properties, followed by Third Line Road and further residential properties. South of the Site: Dilworth Road, followed by forested and vacant lands, as well as residential properties. West of the Site: 416 Veterans Memorial Highway

3.3.2 Topography, Hydrology, and Geology

Available maps were used to determine the physical features during the previous Phase One ESA (DST, 2021) (i.e., geology, topography, hydrogeology, locations of nearby watercourses, etc.) of the Site and surrounding properties. A list of relevant information of the identified features is presented below:

- The Site is expected to consist of primarily coarse-textured glaciomarine deposits consisting of sand, gravel, minor silt and clay. The Site is also expected to have pockets of till consisting of sandy silt to silty sand. In the northern, western, and south portion of the Phase One Study Area, the surficial geology is expected to be similar to the Site. In the eastern portion of the Phase One Study Area, the surficial geology is expected to consist of organic deposits consisting of peat, muck, and marl (Ontario Geological Survey Earth Surficial Geology of Southern Ontario - Ministry of Northern Development and Mines, 2010).
- The bedrock geology in the area of the Site is expected to consist of dolostone, shale, and sandstone of the Oxford formation of the Beekmantown Group (Ontario Geological Survey Bedrock Geology of Ontario - Ministry of Northern Development and Mines, 2011).
- The topography of the Site was analyzed using maps and information provided by Ontario Base Maps ordered through ERIS. The Ontario Base Map shows the ground surface elevation for the Site ranging between 89 and 90 metres above mean sea level (amsl). The regional topography appears to slope downwards from north to south towards the Rideau River.

3.3.3 Fill Materials

It is likely that fill materials may have been imported to the Site for grading purposes underneath paved surfaces and/or building footprints and foundations.

3.3.4 Water Bodies and Areas of Natural and Scientific Interest

As discussed in the previous Phase One ESA (DST, 2021), there is a small unnamed creek within the property, approximately 130 m east of the on-Site garage and house, oriented in the north-south direction. The closest major surface water body to the Site is the Rideau River, located approximately 700 m southeast of the Site.

The area to the southeast of the Phase One property (2022 Dilworth Road) is considered an Area of Natural and Scientific Interest (ANSI). The area is approximately 230 m southeast of the Phase One Property. The eastern portion and pockets in the central area of the Phase One Property, as well as the properties immediately adjacent to the north, east and south are considered as wetlands. (Ministry of Natural Resources, 2021)

3.3.5 Well Records

An online search of MECP well records was previously completed by DST, as well as the database search completed by ERIS for WWIS records. Seven (7) well records were identified on the Site, and twenty-eight (28) well records were identified within the Phase One Study Area. The purpose for the well records on the Site were listed as for domestic water supply. One additional well record was incorporated below. The remainder of the records were determined to not fall within the Phase One Study Area or had insufficient information to determine the location. Details of the on site well records are as follows:

Table 3.3.5. Summary of Well Records

MECP Well ID	Date	Well Status	Well Use	Approximate distance from Site (m)	Reported water level at installation (mbgs[1])	Well Depth (mbgs)	Reported Stratigraphy (mbgs)
1516779	September 1978	Water Supply	Domestic	On-Site	1.8	65.5	Grey Sand and Gravel (0-7.3) Grey Limestone (7.3-57.9) White Sandstone (57.9-65.5)
1526608	October 1992	Monitoring	Monitoring Well	On-Site	9.1	31.4	Grey Hardpan (0-25.3) Grey Limestone (25.3-31.4)
1513307	June 1973	Monitoring	Monitoring Well	On-Site	3.0	22.3	Brown sand (0-4.6) Brown clay (4.6-6.1) Gravel (6.1-7.5) Limestone (7.5-22.3)

[1] mbgs = meters below ground surface

3.3.6 Site Operating Records

No on-Site operating records, other than the previous reports noted in Section 3.1.5, were made available for Englobe's review.

4 Interviews

Interviews of public and government agencies regarding specific details of properties are handled through FOI requests due to privacy legislation. The details of these information requests are provided in Sections 3.2.7 through 3.2.10.

On May 8th, 2024, Englobe conducted an interview with Walter Griesseier, President of Dilworth Development Inc. Information received as part of the interview has been included in the Site Reconnaissance sections below.

5 Site Reconnaissance

The findings documented in this section are based on observations made by Englobe during the Site reconnaissance on the morning of May 8th, 2024. At the time of the reconnaissance, the weather conditions were light rain, and the ambient temperature was 8°C.

It should be noted that due to third party occupation and privacy concerns, Englobe was unable to access the interiors of the buildings during the Site reconnaissance and, therefore, cannot comment of the interior condition, or the contents of the buildings, shipping containers, or trailers present at the Site.

Select photographs taken during the Site reconnaissance are included in Appendix B.

5.1 Specific Observations at the Phase One Property

5.1.1 Description of Structures and Other Improvements

The Site was developed for residential and agricultural purposes in 1936 and covers an area of approximately 352,608 m^2 (35 hectares). The property contains five structures: one residential house, one residential trailer home, one commercial service garage, and two wooden storage sheds.

The residential house is a two-storey building, located near the east most entrance to the Site in the southeast portion of the property, constructed with vinyl siding, a concrete block foundation, and a peaked metal roof. The building has an approximate footprint of 160 m^2, one basement level, and was constructed prior to 1920. Potable water is provided to the building from the north-adjacent domestic supply well; electricity is provided via overhead lines; the building does not appear to be serviced with gas; heating is provided via underground lines from an exterior wood burning stove located approximately 15 m northwest of the building; and although a septic tank access port could not be located, it is inferred that sewage is serviced via an underground septic tank system located to the west of the house on-site (DST, 2021).

The residential trailer home is a one-storey building, located west of the residential house, constructed with vinyl siding, a concrete slab-on-grade foundation, and a peaked metal roof. The building has an approximate footprint of 85 m^2 and was constructed in 1976. Potable water is provided to the building from the on-Site domestic supply well; electricity is inferred to be provided via underground lines from the residential house; propane is provided from a west-adjacent propane AST.

The commercial service garage is a one-story building, located approximately 20 meters north of the residential trailer home, constructed with metal siding, a concrete slab-on-grade foundation, and a peaked metal roof. The building has an approximate footprint of 625 m^2 and was constructed prior to 1920. Electricity is provided via overhead lines; the building does not appear to be serviced with gas; heating is provided by the exterior wood burning stove, via underground lines; and it is unclear if the building is serviced with water or sewage services.

The two wooden storage sheds are one-storey structures located approximately to the northeast of the residential house, constructed of wood, with no foundations, and peaked metal roofs. Each storage shed has an approximate footprint of 15 m^2 and was constructed prior to 1976. The storage sheds are not serviced with water, electricity, gas, or sewage.

Additionally, 13 metal shipping containers, and five semi trailers were observed near the residential dwellings.

5.1.2 Description of Below Ground Structures

During the Site reconnaissance, one basement was identified beneath the residential house.

5.1.3 Details of Tanks

During the Site reconnaissance, Englobe observed one 454 L propane AST west-adjacent to the residential trailer home, which appeared to be in good condition with no evidence of corrosion, damage, or leaks. Additionally, one heating oil AST located in the basement of the residential house was identified in DST's previous Phase One ESA; and it was noted that the tank showed no evidence of leaks or corrosion, and that no staining was observed in the basement.

Furthermore, although it could not be located, it is inferred that the Site contains one below-ground septic tank system. It is noted in the previous Phase One ESA report (DST, 2021) that the septic tank is located to the west of the residential house on-site.

5.1.4 Potable and Non-Potable Water Sources

During the Site reconnaissance, Englobe observed one potable domestic supply well, approximately 5 m north of the residential house.

5.1.5 Underground Utilities and Service Corridors

Public and private utility locates were not completed as part of this Phase One ESA. Based on the Site characteristics, and the utility meters observed during the Site reconnaissance, it is inferred that water is supplied to the residential dwellings from the on-Site domestic supply well via buried water lines; electricity is provided to the residential trailer home via a buried line from the residential house; underground lines connect the residential dwellings to the inferred septic tank system; and that heat is supplied to the residential house, and the service garage from the exterior wood burning stove.

5.1.6 Features of Structures and Buildings

Entry and Exit Points

There is one entrance (driveway) to the Site from Dilworth Road to the south of the Site. There are four access points into the commercial garage, three into the two-storey residence, two into the trailer home, and one into each of the small sheds.

Heating and Cooling Systems

During the Site reconnaissance, Englobe observed one external wood stove, approximately 15 m northwest of the residential house, one air conditioning unit west-adjacent to the residential house, and one window-mounted air conditioning unit on the west side of the residential trailer home.

Drains, Pits, and Sumps

Englobe did not observed any drains, pits, or sumps during the Site reconnaissance; however, DST's previous Phase One ESA noted that one sump pit was observed in the basement of the residential house.

Chemical Storage

During the Site reconnaissance, Englobe observed various small quantity containers of chemicals related to the maintenance and repair of small engines (e.g., fuel, oil, lubricants, etc.) spread throughout residential portion of the Site. Additionally, DST's previous Phase One ESA noted that various small quantity containers of chemicals related to the maintenance and repair of small engines were observed within the service garage.

Waste Removal

General waste is removed bi-weekly by a private waste disposal company.

Stains or Corrosion

Englobe did not observe any stains or corrosion during the Site reconnaissance; however, DST's previous Phase One ESA noted that stains were observed on the concrete slab floor throughout the service garage, and that the concrete slab appeared to be in good condition.

5.1.7 Wells

During the Site reconnaissance, Englobe observed one domestic supply well, approximately 5 m north of the residential house.

5.1.8 Ground Surface

The exterior ground surface consists of undisturbed grassy areas, a small, wooded area to the north of the service garage, and two gravel driveway and parking areas: one near the residential dwellings in the east of the property, and one near the western most Site entry point in the west of the property.

5.1.9 Railway Lines or Spurs

Englobe did not observe any railway lines or spurs during the Site reconnaissance.

5.1.10 Stained Soil and Stressed Vegetation

Englobe did not observe any stained soil, or stressed vegetation during the Site reconnaissance.

5.1.11 Fill and Debris

During the Site reconnaissance, Englobe observed a significant quantity of metal debris, old metal storage containers, lawn mowers, tires, snow blowers, wood piles, and old farm equipment located approximately 70 m northeast of the residential house.

There was no evidence of fill materials at the Site; however, it is likely that fill materials may have been imported to the Site for grading purposes underneath paved surfaces and/or building footprints and foundations.

5.1.12 Designated Substances & Hazardous Materials

11 designated substances are regulated by the Ministry of Labour (MOL) under the Occupational Health and Safety Act (OHSA) through the development of designated substance regulations that control worker exposure to designated substances. The designated substances identified in *OHSA include acrylonitrile, arsenic, asbestos, benzene, coke oven emissions, ethylene oxide, lead, mercury, isocyanates, silica, and vinyl chloride*. Guidelines have been developed for building projects such as renovations, construction, and demolition where designated substances may be disturbed. The following sections address Special Attention Items such as lead and/or lead based paints, mercury, asbestos containing materials (ACMs), and silica, and their potential presence within the Site Building.

Lead and/or Lead-Containing Paint

Lead may be present in a variety of building materials and is commonly associated with paints, solder material, pipe plumbing, ceramic tile glazing and mechanical equipment due to its ability to resist corrosion. Exposure to lead may cause lead poisoning and is considered to be a human health risk. The historical use of lead-containing paints (LCPs) is a source of exposure through ingesting peeling or flaking paints, and/or routine contact with painted surfaces containing lead. Regulations have been established that limit worker exposure to lead, and guidelines have been published with work procedures to be followed when performing work that generates airborne lead containing dust.

Due to the inferred construction date of the Site buildings, lead-based paint and other lead-based materials may have been utilized in the Site buildings. A designated substances survey (DSS) would be required to assess the presence of lead-containing materials that may be disturbed during any renovation or deconstruction activities.

Mercury

Liquid mercury is commonly associated with mechanical equipment such as thermostats, thermometers, barometers, pressure gauges, and electrical switches. A small amount of mercury is present in

fluorescent light tubes and compact fluorescent light bulbs. Removal of materials suspected to contain mercury should be conducted in accordance with “The Safe Handling of Mercury: A Guide for the Construction Industry”.

It was noted in the previous Phase One ESA report (DST, 2021) that fluorescent light tubes suspected of containing mercury were observed within the garage building on Site.

Asbestos-Containing Materials

Asbestos is a naturally occurring fibrous mineral which has been widely used historically due to physical properties that, amongst other things, allow asbestos to withstand high temperatures. Asbestos has been used in a number of building products including, but not limited to thermal and electrical insulation, floor and ceiling tiles, plaster, and drywall joint compound.

Based on the date of construction of the Site buildings, asbestos-containing materials (ACMs) may be present in building materials within the Site buildings. A DSS would be required to assess the presence of ACMs that may be disturbed during any renovation or deconstruction activities at the Site.

Urea Formaldehyde Foam Insulation

Englobe did not complete a designated substances survey as part of this assessment. However, based on the inferred date of construction of the Site buildings, urea formaldehyde foam insulation (UFFI) may have been used at the Site.

Silica

Silica is a naturally occurring mineral found in a variety of construction materials and is commonly associated with manufactured concrete products, ceramic tiles, mortar, and products in the electronics industry.

Many building materials within the Site building are expected to contain silica, such as, but not limited to, concrete foundations, block walls and tiled floors (if present).

Polychlorinated Biphenyls

In 1977, the Canadian government enacted a set of chlorobiphenyls regulations which limited the use of polychlorinated biphenyls (PCBs). As such, the only allowable use of PCBs in Canada is in electrical transformers and capacitors existing in Canada before July 1, 1980, and certain other “closed use” equipment (specifically heat transfer equipment, hydraulic equipment, and vapour diffusion pumps) that were in Canada before September 1, 1977.

PCBs are also commonly found within electrical ballasts manufactured prior to 1981, within fluorescent light fixtures and high intensity discharge (HID) lamps. Light fixtures with T12 lamps are more likely to contain ballasts that were manufactured prior to 1981. T8 lamps are associated with light fixtures that were manufactured after the phase-out of PCB-containing ballasts. The letter “T” denotes the shape of the light fixture (e.g., tubular) and the number which follows indicates the diameter in eights of an inch.

It was noted in the previous Phase One ESA report (DST, 2021) that fluorescent light tubes were observed at the Phase One Property at the time.

Ozone Depleting Substances

Canada signed the Montreal Protocol on September 16, 1987, which controlled the use of Ozone Depleting Substances (ODSs) and banned over 100 ODSs grouped into the following categories: chlorofluorocarbons (CFCs); halons; carbon tetrachloride (CTC); hydrochlorofluorocarbons (HCFC); methyl chloroform; and methyl bromide. ODSs can be found in older refrigerating and air conditioning equipment.

Refrigerators/freezers and air conditioning units present at the Site are considered potential ODS-containing equipment.

Mould

Englobe did not observe visible or suspected mould growth during the Site reconnaissance. It was also noted in the previous Phase One ESA report (DST, 2021) that no evidence of mould growth was observed within the accessed areas of the Site building at the time.

5.1.13 Potentially Contaminating Activities

Based on the information obtained during Englobe's Site reconnaissance, the following new PCA has been identified at the Site:

— PCA 1: Undefined No 1 - Exterior wood burning stove: large exterior wood burning stove used to heat the residential house and the service garage observed approximately 15 m northwest of the residential house.

5.1.14 Unidentified Substances

No unidentified substances were observed at the Site at the time of the Site reconnaissance.

5.2 Neighbouring Properties

Neighbouring properties were observed from publicly accessible areas. The property uses of the adjacent properties surrounding the Site are summarized in the following table:

Table 5.2. Surrounding Property Activity

Direction	Surrounding Property Activity
North	Vacant/undeveloped woodland and brush
East	Residential
South	Residential and vacant/undeveloped woodland and brush
West	Highway 416

6 Review and Evaluation of Information

6.1 Current and Past Uses

Based on a review of aerial photographs and information obtained during the interview, the Site was first developed with a residential dwelling and a barn, for residential and agricultural purposes, prior to the 1920s. The Site has been used for mixed residential and commercial purposes since. The on-Site garage has been used for commercial purposes (repair of snowmobiles, farm equipment and other small engines) for approximately the past 38 years.

6.2 Potentially Contaminating Activities

The presence of potentially contaminating activities (PCAs) in the Phase One Study Area does not necessarily indicate that the soil and groundwater at the Site are adversely impacted by these potential contaminants. This depends on individual use of best management practices at the locations of the PCAs and the location of any contamination relative to the Site (i.e., on-Site, distance from Site, up-gradient or down-gradient).

The following table summarizes the identified PCAs within the Phase One Property and Study Area upon completion of the Phase One ESA Update:

Table 6.2. Potentially Contaminating Activities.

PCA No.	Potentially Contaminating Activity	Approximate Distance from Site	Description	Contributes to APEC?
PCA 1	PCA Item No. 30 - Importation of Fill Material of Unknown Quality	On-Site	Based on historical aerial photos and Englobe observations during the Site reconnaissance, fill material of unknown quality was placed for the gravel parking lot and as part of the construction of the existing structures on the Site.	No
PCA 2	PCA Item No. 52 - Storage, maintenance, fueling and repair of equipment, vehicles, and materials used to maintain transportation systems	On-Site	Based on historical information and Englobe observations during the Site reconnaissance, the on-Site garage is used for the storage and repair of snowmobiles, farm equipment, and other small engines.	No

The above-noted PCAs were also identified during the previous Phase One ESA report for the Site (DST, 2021) and were further investigated through the Phase II ESA completed by DST in 2021 (as summarized in Section 3.1.5.2. Therefore, as these PCAs were investigated previously, no new APECs are present at the Site that warrant further environmental investigation at this time.

6.3 Areas of Potential Environmental Concern

Based on the findings of this Phase One ESA Update, there are no new APECs requiring further investigation identified at the Phase One Property, for the period of activities from April 2021 to May 2024.

6.4 Phase One Conceptual Site Model

The illustrative requirements, according to O. Reg. 153/04, of the Phase One Conceptual Site Model (CSM) are shown on Figures 2 and 3 provided in Appendix A. These figures include: the location of the existing buildings at the Site and in the Phase One Study Area; the roads, including names, within the Phase One Study Area; uses of properties adjacent to the Site; and the location of potentially contaminating activities (PCAs) within the Phase One Study Area. The locations of the on-Site and off-Site water bodies and the drinking water well at the Site are also depicted on the figures.

The PCAs and evaluation of any APECs are discussed in Sections 6.2 and 6.3.

The topography of the Site was analyzed using maps and information provided by Ontario Base Maps ordered through ERIS. The Ontario Base Map shows the ground surface elevation for the Site ranging between 89 and 90 metres masl. The regional topography appears to slope downwards from north to south, towards the Rideau River. Based on visual observations during the Site visit, the Site and surrounding areas are generally flat, with a gentle slope downwards towards the south and east.

There is a small unnamed creek within the Phase One property, located approximately 130 m east of the on-Site buildings and oriented in the north-south direction. The closest major surface water body to the Site is the Rideau River, located approximately 700 m southeast of the Site.

Based on the regional topography, location of the nearest major water body, and historical well records at the Site, the inferred direction of the regional shallow horizontal groundwater flow is to the southeast. Depending on climate conditions and the amount of surface water available, ditching, underground services, and ground surface may affect the shallow groundwater flow on a local level.

Underground utilities at the Site generally consist of a potable water line supplied from the on-Site well to the residential dwelling through an underground water line. A buried water line and electrical line travel from the north side of the residential dwelling to a wood-fired stove, which then leads to the on-Site garage. The septic tank for the two-storey residence is located to the west of the dwelling (DST, 2021); however, the exact location of the septic bed is unknown. No other underground utilities or corridors were located at the Site.

It is not anticipated that underground utilities are present near the groundwater table and, therefore, it is unlikely that underground utilities will affect contaminant distribution and transport.

The geological maps reviewed indicate that the Phase One Study Area is underlain by dolostone, shale, and sandstone of the Oxford Formation of the Beekmantown Group (OGS, 2011). The surficial geology mapped according the Ontario Geological Survey (OGS) Earth Surficial Geology of Southern Ontario (OGS, 2010) indicates that the Site, and northern, western and southern portions of the Phase One Study Area consists of coarse-textured glaciomarine deposits consisting of sand, gravel, and minor silt and clay with pockets of till consisting of sandy silt and silty sand. The eastern portion of the Phase One Study Area is expected to consist of an organic deposit consisting of peat, muck, and marl.

DST previously performed a Geotechnical Investigation at the Site (DST, April 2021). From the review of the findings of the investigation, the overburden at the Site generally consists of a native silty sand deposit transitioning to a silty clay in some areas. A deposit of sand and gravel (till) was encountered overlying the bedrock. Bedrock in the central portion of the Site was confirmed as limestone bedrock.

No significant issues relating to uncertainty or absence of information were encountered during the completion of the Phase One ESA Update and, therefore, it is not anticipated that uncertainty or absence of information will affect the validity of this Phase One CSM.

7 Conclusions

7.1 Requirement for Further Investigation

Based on the fact that no new APECs were identified at the Phase One Property for the study period of April 2021 to May 2024, no further investigation in the form of a Phase Two ESA is required at the Site at this time.

7.2 Additional Recommendations

In accordance with the recommendation provided in the previous Phase II ESA report for the Site (DST, 2021), it is recommended that PHC-impacted fill materials, as previously identified at the former BH21-11 location (immediately south of the service garage on-Site) be excavated and disposed of off Site (at an MECP-licensed waste disposal facility) during the construction of the proposed development on-Site. The management of excavated and excess soils during the proposed development should be managed in accordance with O. Reg. 406/19: On-Site and Excess Soil Management.

Furthermore, it is recommended that a Designated Substances and Hazardous Materials Assessment (DSHMA) be conducted at the Phase One Property prior to any renovation or demolition of the on-Site structures.

8 References

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This Statement of Limitations forms an integral part of the Report.

Appendix A
Figures

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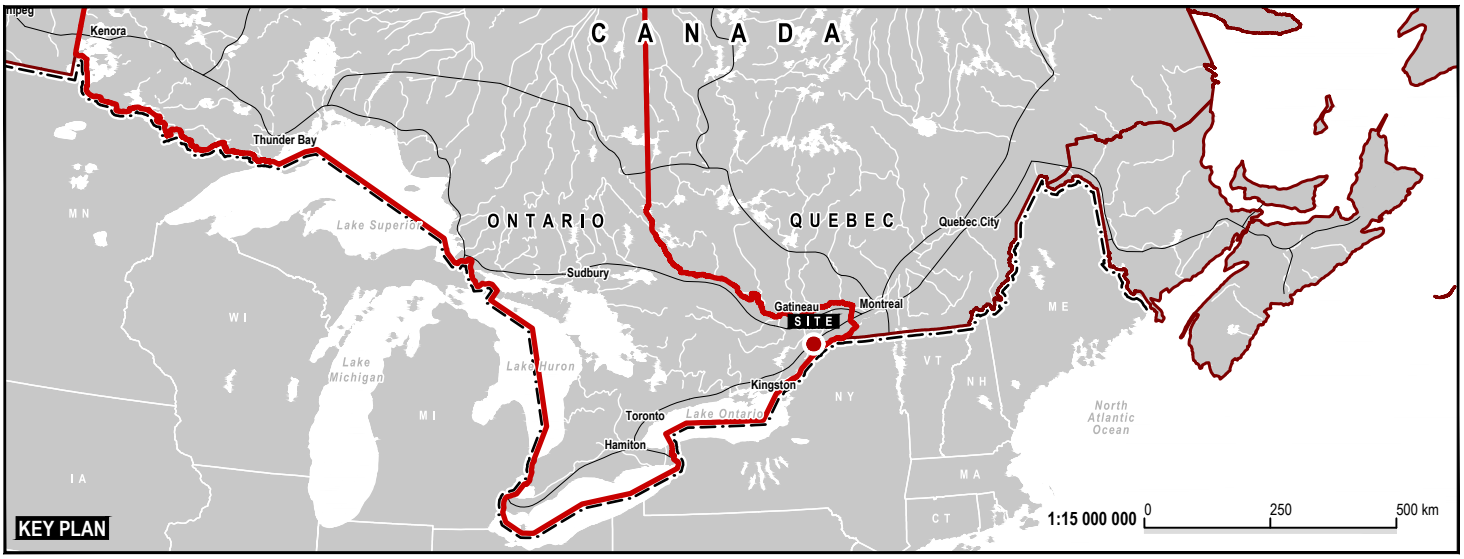

Note

1. This drawing shall be read in conjunction with the associated technical report.

Revision	Date	Issue	Approval
0	2024/05/17	Final	SE

Client	Dillworth Development Inc.
Site	2095 Dilworth Rd, Ottawa, ON K0A 2E0
Report Title	Phase One Environmental Site Assessment Update
Drawing Title	Site Location Map
Designed By	JB
Drawn By	MM
Approved By	SE
Scale	As Shown
Date	May 2024
Project No.	02101208.000
Figure No.	1

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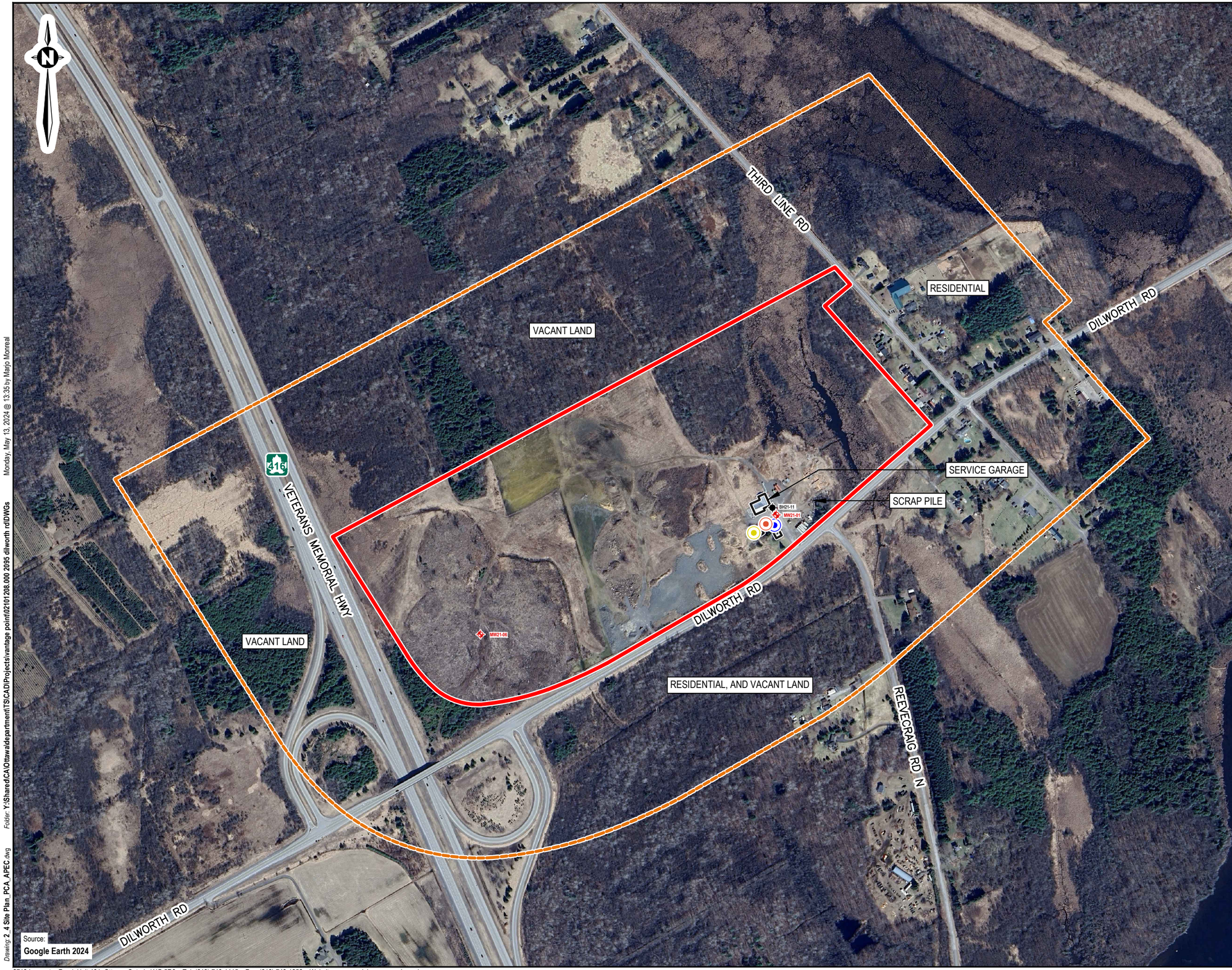
Folder: Y:\Shared\CA\Ottawa\department\TS\CAD\Projects\vantage point\02101208.000 2095 dilworth rd\DWGs
Monday, May 13, 2024 @ 13:33 by Marjo Monreal
Drawing: 1 Site Location.dwg



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Note

1. This drawing shall be read in conjunction with the associated technical report.

Legend

- Phase One Property Boundary
- 250 m Phase One Study Area
- Domestic Supply Well
- Exterior Wood Stove
- Propane Aboveground Storage Tank (AST)
- Previous Monitoring Well Location (DST, 2021)
- Previous Borehole Location (DST, 2021)

1:6 000

0 100 200 300 m

0 1:1 5 cm

Scale accurate when printed at 100% using paper size ANSI full bleed B (11.0 x 17.0 Inches)

Revision	Date	Issue	Approval
0	2024/05/17	Final	SE

Client: **Dillworth Development Inc.**

Site: **2095 Dilworth Rd, Ottawa, ON K0A 2E0**

Report Title: **Phase One Environmental Site Assessment Update**

Drawing Title: **Site Plan and Surrounding Land Uses**

Designed By: JB	Scale: As Shown
Drawn By: MM	Date: May 2024
Approved By: SE	Project No.: 02101208.000
Figure No.: 2	

Folder: Y:\Shared\CA\Ottawa\department\TS\CAD\Projects\vantage point\02101208.000 2095 dilworth rd\DWGs

Drawing: 2_4 Site Plan_PCA_APEC.dwg

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PCA No.	Potentially Contaminating Activities (PCAs)	Approximate Distance from Site	Description	Contributes to APEC?
PCA 1	Item #30 - Importation of Fill Material of Unknown Quality	On Site	Fill material of unknown quality present on Site	No
PCA 2	Item #52 - Storage, maintenance, fuelling and repair of equipment vehicles, and material used to maintain transportation systems	On Site	Existing commercial garage used for the storage and repair of snowmobiles, farm equipment, and other small engines.	No

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Note

1. This drawing shall be read in conjunction with the associated technical report.

Legend

- Phase One Property Boundary
- 250 m Phase One Study Area
- (X) Potentially Contaminating Activity

1:3 000

0 50 100 150 m

0 1:1 5 cm

Scale accurate when printed at 100% using paper size ANSI full bleed B (11.0 x 17.0 Inches)

Revision	Date	Issue	Approval
0	2024/05/17	Final	SE

Client: Dillworth Development Inc.

Site: 2095 Dilworth Rd, Ottawa, ON K0A 2E0

Report Title: Phase One Environmental Site Assessment Update

Drawing Title: Potentially Contaminating Activities (PCAs)

Designed By: JB	Scale: As Shown
Drawn By: MM	Date: May 2024
Approved By: SE	Project No.: 02101208.000

Figure No. 3

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Drawing: 2_4 Site Plan_PCA_APEC.dwg

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Appendix B
Site Reconnaissance Photographs

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Photograph 1: Site overview

Photograph 2: Residential house

Photograph 3: Residential trailer home

Photograph 4: Commercial service garage

Photograph 5: Wooden storage sheds

Photograph 6: Metal shipping containers

Photograph 7: Semi trailers

Photograph 8: Exterior wood burning stove

Photograph 9: Debris stored on-Site

Photograph 10: Debris stored on-Site

Photograph 11: Debris stored on-Site

Photograph 12: Debris stored on-Site

Photograph 13: Overview of the northern portion of the Site

Photograph 14: Overview of the western portion of the Site

Photograph 15: Developed parking area in the west of the Site

Photograph 16: Unevaluated wetland west of the residential dwellings

Photograph 17: Provincially significant wetland to the east of the residential dwellings

Appendix C
Aerial Photographs

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2022 Aerial Photograph (GeoOttawa)

Appendix D
ERIS Database Report

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DATABASE REPORT

Project Property:	*2095 Dilworth Road - Phase I ESA Update* *2095 Dilworth Road* *Ottawa ON K0A 2E0*
Project No:	
Report Type:	*RSC Report - Quote*
Order No:	*24042900228*
Requested by:	*EnGlobe Corp.*
Date Completed:	*May 2, 2024*

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Executive Summary

Property Information:

Project Property:	*2095 Dilworth Road - Phase I ESA Update* *2095 Dilworth Road Ottawa ON K0A 2E0*
Project No:	

Order Information:

Order No:	*24042900228*
Date Requested:	*April 29, 2024*
Requested by:	*EnGlobe Corp.*
Report Type:	*RSC Report - Quote*

Historical/Products:

ERIS Xplorer	*ERIS Xplorer*
Topographic Map	*RSC Maps*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	10	10
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	1	1
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	0	0
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
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
NPR2	National Pollutant Release Inventory 1993-2020	Y	0	0	0
NPRI	National Pollutant Release Inventory - Historic	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	6	6
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
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	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
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	15	19

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
		Total:	4	32	36

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		lot 35 con 3 ON ***Well ID:*** 1516779	ESE/0.0	0.00	18
2	WWIS		lot 35 con 3 ON ***Well ID:*** 1513307	ENE/0.0	-1.00	21
3	WWIS		lot 34 con 3 ON ***Well ID:*** 1526608	WSW/0.0	0.00	25
4	WWIS		lot 35 con 3 ON ***Well ID:*** 1513806	ENE/0.0	-1.00	28

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
5	WWIS		lot 35 con 3 ON ***Well ID:*** 1518449	W/6.1	0.00	32
6	BORE		ON	SSW/6.6	0.04	35
7	WWIS		lot 35 con 3 ON ***Well ID:*** 1512294	ENE/14.6	-1.08	36
8	WWIS		lot 35 con 3 ON ***Well ID:*** 1534319	WSW/26.2	0.00	39
9	BORE		ON	E/28.0	-0.69	43
10	WWIS		lot 35 con 3 ON ***Well ID:*** 1514695	SE/67.0	0.00	44
11	WWIS		lot 36 con 3 ON ***Well ID:*** 1514870	ESE/78.3	-0.92	48
12	BORE		ON	SW/95.0	0.00	51
13	WWIS		lot 35 con 2 ON ***Well ID:*** 1511642	ENE/105.3	0.00	52
14	BORE		ON	ENE/105.3	0.00	56
15	BORE		ON	SW/113.0	0.00	57
16	BORE		ON	SW/144.9	0.00	58

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
17	BORE		ON	SW/160.6	0.00	59
18	BORE		ON	SW/163.0	0.00	60
19	PES		2022 Dilworth Road Kars ON K0G 1G0	ENE/163.8	0.00	61
19	PES	RIDEAU VALLEY CONSERVATION AUTHORITY	2022 Dilworth Road Kars ON K0G 1G0	ENE/163.8	0.00	61
19	PES	RIDEAU VALLEY CONSERVATION AUTHORITY	2022 Dilworth Road Kars ON K0G 1G0	ENE/163.8	0.00	62
20	WWIS		lot 36 con 3 ON ***Well ID:*** 1514876	E/166.1	-1.00	62
21	BORE		ON	E/168.8	0.00	66
22	BORE		ON	SW/173.7	0.00	67
23	EHS		2022 Dilworth Road Ottawa ON	E/210.3	0.00	68
23	PES	RIDEAU VALLEY CONSERVATION AUTHORITY	2022 Dilworth Road Kars ON K0G 1G0	E/210.3	0.00	68
23	PES	RIDEAU VALLEY CONSERVATION AUTHORITY	2022 Dilworth Road Kars ON K0G 1G0	E/210.3	0.00	68
23	PES	RIDEAU VALLEY CONSERVATION AUTHORITY	2022 Dilworth Road Kars ON K0G 1G0	E/210.3	0.00	69
24	WWIS		lot 36 con 3 ON	ESE/211.7	-3.12	69

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7048482			
25	WWIS		lot 36 con 3 ON ***Well ID:*** 1531276	SSW/225.8	-2.00	76
25	WWIS		lot 36 con 3 ON ***Well ID:*** 1533875	SSW/225.8	-2.00	80
25	WWIS		lot 36 con 3 ON ***Well ID:*** 1534056	SSW/225.8	-2.00	83
26	WWIS		lot 36 con 3 ON ***Well ID:*** 1526527	SSW/227.9	-2.00	87
26	WWIS		lot 36 con 3 ON ***Well ID:*** 1529354	SSW/227.9	-2.00	90
26	WWIS		lot 36 con 3 ON ***Well ID:*** 1529610	SSW/227.9	-2.00	93
27	WWIS		lot 34 con 3 ON ***Well ID:*** 1533871	W/244.6	0.00	97

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 10 BORE site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	6.6	6
	ON	28.0	9
	ON	95.0	12
	ON	105.3	14
	ON	113.0	15
	ON	144.9	16
	ON	160.6	17
	ON	163.0	18
	ON	168.8	21

Site	Address	Distance (m)	Map Key
	ON	173.7	22

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Dec 31, 2023 has found that there are 1 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	2022 Dilworth Road Ottawa ON	210.3	23

PES - Pesticide Register

A search of the PES database, dated Oct 2011-Feb 29, 2024 has found that there are 6 PES site(s) within approximately 0.25 kilometers of the project property.

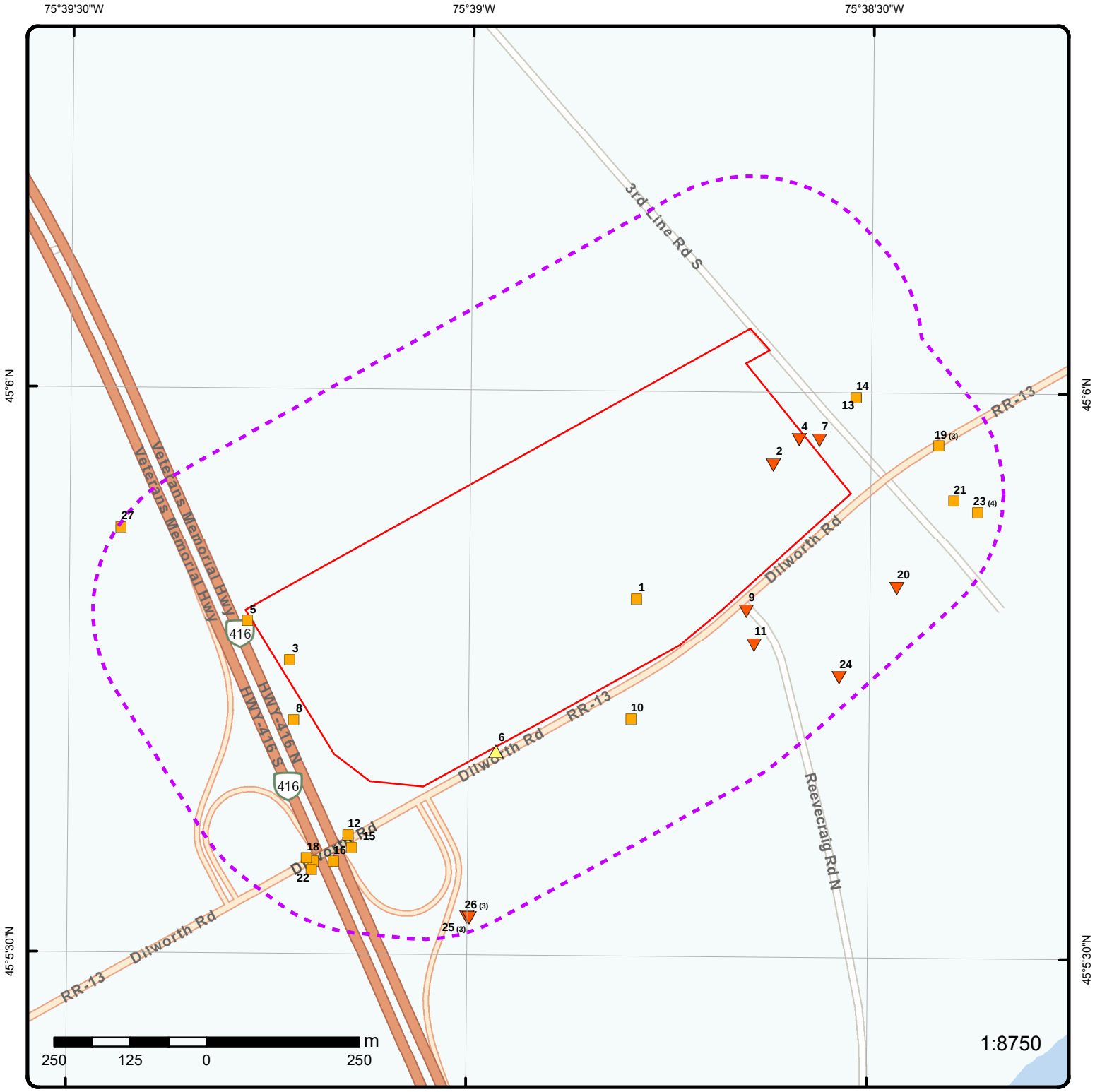
Site	Address	Distance (m)	Map Key
RIDEAU VALLEY CONSERVATION AUTHORITY	2022 Dilworth Road Kars ON K0G 1G0	163.8	19
RIDEAU VALLEY CONSERVATION AUTHORITY	2022 Dilworth Road Kars ON K0G 1G0	163.8	19
	2022 Dilworth Road Kars ON K0G 1G0	163.8	19
RIDEAU VALLEY CONSERVATION AUTHORITY	2022 Dilworth Road Kars ON K0G 1G0	210.3	23
RIDEAU VALLEY CONSERVATION AUTHORITY	2022 Dilworth Road Kars ON K0G 1G0	210.3	23
RIDEAU VALLEY CONSERVATION AUTHORITY	2022 Dilworth Road Kars ON K0G 1G0	210.3	23

WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31 2023 has found that there are 19 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 35 con 3 ON ***Well ID:*** 1516779	0.0	1
	lot 35 con 3 ON ***Well ID:*** 1513307	0.0	2
	lot 34 con 3 ON ***Well ID:*** 1526608	0.0	3
	lot 35 con 3 ON ***Well ID:*** 1513806	0.0	4
	lot 35 con 3 ON ***Well ID:*** 1518449	6.1	5
	lot 35 con 3 ON ***Well ID:*** 1512294	14.6	7
	lot 35 con 3 ON ***Well ID:*** 1534319	26.2	8
	lot 35 con 3 ON ***Well ID:*** 1514695	67.0	10
	lot 36 con 3 ON ***Well ID:*** 1514870	78.3	11
	lot 35 con 2 ON ***Well ID:*** 1511642	105.3	13
	lot 36 con 3 ON	166.1	20

Site	Address	Distance (m)	Map Key
	Well ID: 1514876		
	lot 36 con 3 ON	211.7	24
	Well ID: 7048482		
	lot 36 con 3 ON	225.8	25
	Well ID: 1534056		
	lot 36 con 3 ON	225.8	25
	Well ID: 1533875		
	lot 36 con 3 ON	225.8	25
	Well ID: 1531276		
	lot 36 con 3 ON	227.9	26
	Well ID: 1529610		
	lot 36 con 3 ON	227.9	26
	Well ID: 1529354		
	lot 36 con 3 ON	227.9	26
	Well ID: 1526527		
	lot 34 con 3 ON	244.6	27
	Well ID: 1533871		



Map: 0.25 Kilometer Radius

Order Number: 24042900228
Address: 2095 Dilworth Road, Ottawa, ON

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

Source: © 2021 ESRI StreetMap Premium.

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75°39'W

45°6'N

45°6'N

Aerial

Year: 2018

Order Number: 24042900228

Address: 2095 Dilworth Road, Ottawa, ON

Source: ESRI World Imagery

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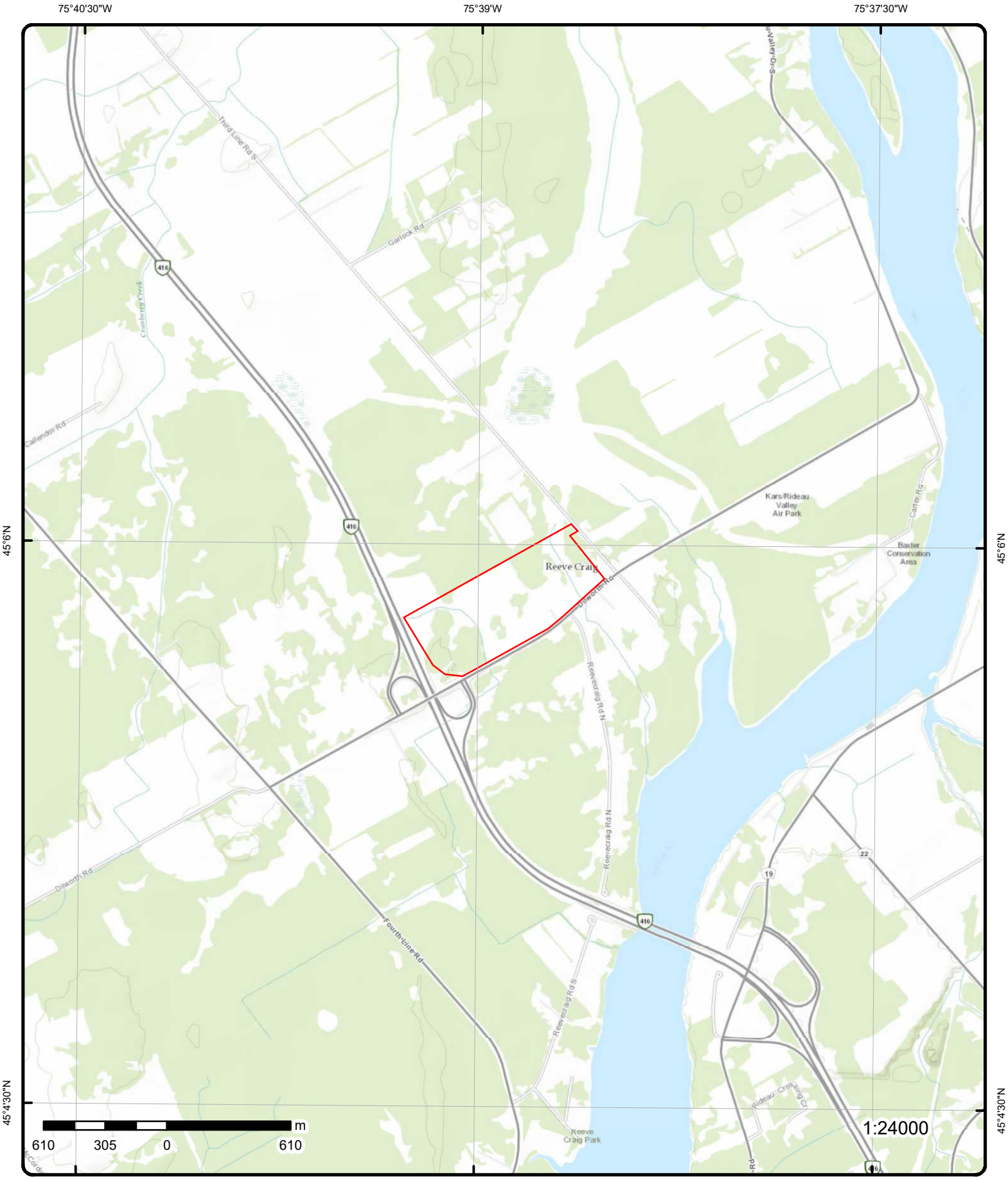

Topographic Map

Order Number: 24042900228

Address: 2095 Dilworth Road, ON

Source: ESRI World Topographic Map

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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	ESE/0.0	89.9 / 0.00	lot 35 con 3 ON	WWIS

Well ID:	1516779	**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:**	11/27/1978
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3644
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	035
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: NORTH GOWER TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1516779.pdf

Additional Detail(s) (Map)

Well Completed Date: 09/15/1978
Year Completed: 1978
Depth (m): 65.532
Latitude: 45.096934740266
Longitude: -75.6465152804363
Path: 151\1516779.pdf

Bore Hole Information

Bore Hole ID:	10038674	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	449130.70
Code OB Desc:		**North83:**	4993922.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	09/15/1978	**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:

Overburden and Bedrock Materials Interval

Formation ID:	931033142
Layer:	1
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	24.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931033143
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	24.0
Formation End Depth:	190.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931033144
Layer:	3
Color:	1
General Color:	WHITE
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	190.0
Formation End Depth:	215.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961516779
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10587244

Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930067915
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	26.0
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:	991516779
Pump Set At:	
Static Level:	6.0
Final Level After Pumping:	30.0
Recommended Pump Depth:	30.0
Pumping Rate:	20.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934900501
Test Type:	Draw Down
Test Duration:	60
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934381510
Test Type:	Draw Down
Test Duration:	30
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934643017
Test Type:	Draw Down
Test Duration:	45
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934102348
Test Type:	Draw Down
Test Duration:	15
Test Level:	30.0
Test Level UOM:	ft

Water Details

Water ID:	933473138
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	215.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10038674	**Tag No:**	
Depth M:	65.532	**Contractor:**	3644
Year Completed:	1978	**Latitude:**	45.096934740266
Well Completed Dt:	09/15/1978	**Longitude:**	-75.6465152804363
Audit No:		**Y:**	45.09693473266965
Path:	151\1516779.pdf	**X:**	-75.64651511895839

2	1 of 1	ENE/0.0	88.9 / -1.00	lot 35 con 3 ON	WWIS

Well ID:	1513307	**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:**	08/13/1973
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3644
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	035
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513307.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/27/1973
Year Completed:	1973
Depth (m):	22.2504
Latitude:	45.0989221553156
Longitude:	-75.643678007742
Path:	151\1513307.pdf

Bore Hole Information

Bore Hole ID:	10035294	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	449355.70
Code OB Desc:		**North83:**	4994141.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	06/27/1973	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	gis
Loc Method Desc:	from gis		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931022984
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	15.0
Formation End Depth:	20.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022986
Layer:	4
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	25.0
Formation End Depth:	73.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022983
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	

Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931022985
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 25.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513307
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10583864
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062526
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 26.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930062527
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 73.0
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:	991513307
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	40.0
Recommended Pump Depth:	45.0
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934897012
Test Type:	Draw Down
Test Duration:	60
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934378535
Test Type:	Draw Down
Test Duration:	30
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934099003
Test Type:	Draw Down
Test Duration:	15
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934639534
Test Type:	Draw Down
Test Duration:	45
Test Level:	40.0
Test Level UOM:	ft

Water Details

Water ID:	933468826
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933468827
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	73.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10035294	***Tag No:***	
Depth M:	22.2504	***Contractor:***	3644
Year Completed:	1973	***Latitude:***	45.0989221553156
Well Completed Dt:	06/27/1973	***Longitude:***	-75.643678007742
Audit No:		***Y:***	45.098922147827096
Path:	151\1513307.pdf	***X:***	-75.64367784749987

3 ***1 of 1*** ***WSW/0.0*** ***89.9 / 0.00*** ***lot 34 con 3 ON*** ***WWIS***

Well ID:	1526608	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	10/26/1992
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	111937	***Contractor:***	3644
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	034
Depth to Bedrock:		***Concession:***	03
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1526608.pdf

Additional Detail(s) (Map)

Well Completed Date:	10/14/1992
Year Completed:	1992
Depth (m):	31.3944
Latitude:	45.0959935293103
Longitude:	-75.6537234470953
Path:	152\1526608.pdf

Bore Hole Information

Bore Hole ID:	10048303	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	448562.70
Code OB Desc:		***North83:***	4993822.00
Open Hole:		***Org CS:***	

Cluster Kind:		***UTMRC:***	5
Date Completed:	10/14/1992	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	gis
Loc Method Desc:	from gis		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931064668
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	83.0
Formation End Depth:	103.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931064667
Layer:	1
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	83.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961526608
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10596873
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930084575
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	86.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930084576
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	103.0
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:	991526608
Pump Set At:	
Static Level:	30.0
Final Level After Pumping:	80.0
Recommended Pump Depth:	80.0
Pumping Rate:	15.0
Flowing Rate:	
Recommended Pump Rate:	15.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934652532
Test Type:	Recovery
Test Duration:	45
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934909728
Test Type:	Recovery
Test Duration:	60
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934391597
Test Type:	Recovery

Test Duration:	30
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934107967
Test Type:	Recovery
Test Duration:	15
Test Level:	32.0
Test Level UOM:	ft

Water Details

Water ID:	933485979
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	97.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10048303	**Tag No:**	
Depth M:	31.3944	**Contractor:**	3644
Year Completed:	1992	**Latitude:**	45.0959935293103
Well Completed Dt:	10/14/1992	**Longitude:**	-75.6537234470953
Audit No:	111937	**Y:**	45.09599352170414
Path:	152\1526608.pdf	**X:**	-75.65372328652884

4	1 of 1	ENE/0.0	88.9 / -1.00	lot 35 con 3 ON	WWIS

Well ID:	1513806	**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:**	02/11/1974
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3644
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	035
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513806.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/27/1973
Year Completed:	1973
Depth (m):	22.2504

Latitude: 45.099303213043
Longitude: -75.6431484748815
Path: 151\1513806.pdf

Bore Hole Information

Bore Hole ID:	10035788	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	449397.70
Code OB Desc:		**North83:**	4994183.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	06/27/1973	**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: 931024529
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 15.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931024528
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931024530
Layer: 3

Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	20.0
Formation End Depth:	25.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931024531
Layer:	4
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	25.0
Formation End Depth:	73.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961513806
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10584358
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930063286
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	73.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930063285
Layer:	1
Material:	1
Open Hole or Material:	STEEL

Depth From:	
Depth To:	26.0
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:	991513806
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	40.0
Recommended Pump Depth:	45.0
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934641236
Test Type:	Draw Down
Test Duration:	45
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934898709
Test Type:	Draw Down
Test Duration:	60
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934380242
Test Type:	Draw Down
Test Duration:	30
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934099585
Test Type:	Draw Down
Test Duration:	15
Test Level:	40.0
Test Level UOM:	ft

Water Details

Water ID:	933469533

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

Water Details

Water ID:	933469534
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	73.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10035788	**Tag No:**	
Depth M:	22.2504	**Contractor:**	3644
Year Completed:	1973	**Latitude:**	45.099303213043
Well Completed Dt:	06/27/1973	**Longitude:**	-75.6431484748815
Audit No:		**Y:**	45.099303205514715
Path:	151\1513806.pdf	**X:**	-75.64314831413942

5	1 of 1	W/6.1	89.9 / 0.00	lot 35 con 3 ON	WWIS

Well ID:	1518449	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	08/03/1983
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3644
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	035
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518449.pdf

Additional Detail(s) (Map)

Well Completed Date:	05/25/1983
Year Completed:	1983
Depth (m):	25.6032
Latitude:	45.0965645824757
Longitude:	-75.6546069018978
Path:	151\1518449.pdf

Bore Hole Information

Bore Hole ID:	10040319	**Elevation:**	

DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	448493.70
Code OB Desc:		***North83:***	4993886.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	05/25/1983	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	gis
Loc Method Desc:	from gis		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931038479
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	63.0
Formation End Depth:	84.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931038478
Layer:	2
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	63.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931038477
Layer:	1
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	

Formation Top Depth:	0.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961518449
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10588889
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930070387
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	84.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930070386
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	65.0
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:	991518449
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	25.0
Recommended Pump Depth:	25.0
Pumping Rate:	50.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934640411
Test Type:	
Test Duration:	45
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934103765
Test Type:	
Test Duration:	15
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934898454
Test Type:	
Test Duration:	60
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934379351
Test Type:	
Test Duration:	30
Test Level:	25.0
Test Level UOM:	ft

Water Details

Water ID:	933475160
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10040319	***Tag No:***	
Depth M:	25.6032	***Contractor:***	3644
Year Completed:	1983	***Latitude:***	45.0965645824757
Well Completed Dt:	05/25/1983	***Longitude:***	-75.6546069018978
Audit No:		***Y:***	45.096564574826516
Path:	151\1518449.pdf	***X:***	-75.65460674154201

6 ***1 of 1*** ***SSW/6.6*** ***89.9 / 0.04*** ***ON*** ***BORE***

Borehole ID:	611413	***Inclin FLG:***	No
OGF ID:	215512735	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	AUG-1970	***Municipality:***	

Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.094668
Total Depth m:	-999	***Longitude DD:***	-75.649413
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	448901
Drill Method:		***Northing:***	4993672
Orig Ground Elev m:	87.8	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	87.7		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218388284	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	3.7	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Unknown	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	UNSPECIFIED. SEISMIC VELOCITY = 1700.		

Geology Stratum ID:	218388285	***Mat Consistency:***	Firm
Top Depth:	3.7	***Material Moisture:***	
Bottom Depth:		***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Bedrock	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	BEDROCK. SEISMIC VELOCITY = 15000. BEDROCK. SEISMIC VELOCITY = 14000. 8790FIRM. CLAY.		

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies
Confidence:	L	***Horizontal:***	NAD27
Observatio:		***Verticalda:***	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 03921 NTS_Sheet:		
Confiden 1:	Gives some indication of sub-surface condition but material is unknown.		

Source List

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

7	***1 of 1***	***ENE/14.6***	***88.8 / -1.08***	***lot 35 con 3 ON***	***WWIS***

Well ID:	1512294	***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:***	01/31/1973
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	4904
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	035
Depth to Bedrock:		***Concession:***	03
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512294.pdf

Additional Detail(s) (Map)

Well Completed Date:	08/03/1972
Year Completed:	1972
Depth (m):	10.9728
Latitude:	45.0992965729501
Longitude:	-75.6427289747581
Path:	151\1512294.pdf

Bore Hole Information

Bore Hole ID:	10034286	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	449430.70
Code OB Desc:		***North83:***	4994182.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	08/03/1972	***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:	931020224
Layer:	2
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	

Mat3 Desc:	
Formation Top Depth:	20.0
Formation End Depth:	36.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931020223
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	0.0
Formation End Depth:	20.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961512294
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10582856
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930060789
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	25.0
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:	991512294
Pump Set At:	
Static Level:	4.0
Final Level After Pumping:	25.0
Recommended Pump Depth:	32.0
Pumping Rate:	6.0
Flowing Rate:	
Recommended Pump Rate:	6.0
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:	934097947
Test Type:	Draw Down
Test Duration:	15
Test Level:	4.0
Test Level UOM:	ft

Water Details

Water ID:	933467692
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	30.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10034286	**Tag No:**	
Depth M:	10.9728	**Contractor:**	4904
Year Completed:	1972	**Latitude:**	45.0992965729501
Well Completed Dt:	08/03/1972	**Longitude:**	-75.6427289747581
Audit No:		**Y:**	45.09929656580693
Path:	151\1512294.pdf	**X:**	-75.6427288145157

8	1 of 1	WSW/26.2	89.9 / 0.00	lot 35 con 3 ON	WWIS

Well ID:	1534319	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	11/13/2003
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	267035	**Contractor:**	1558
Tag:		**Form Version:**	2
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	035
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1534319.pdf

Additional Detail(s) (Map)

Well Completed Date: 10/23/2003

Year Completed:	2003
Depth (m):	45.72
Latitude:	45.0951118928613
Longitude:	-75.6536295087788
Path:	153\1534319.pdf

Bore Hole Information

Bore Hole ID:	11097369	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	448569.30
Code OB Desc:		***North83:***	4993724.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10/23/2003	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	lot
Loc Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932942103
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8.0
Formation End Depth:	22.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932942104
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	22.0
Formation End Depth:	38.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932942105
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	38.0
Formation End Depth:	150.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932942102
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	81
Mat2 Desc:	SANDY
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:	933245146
Layer:	1
Plug From:	0.0
Plug To:	42.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961534319
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11101084
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930832115
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	

Depth To:	150.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930832114
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	42.0
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:	991534319
Pump Set At:	
Static Level:	2.0
Final Level After Pumping:	27.0
Recommended Pump Depth:	25.0
Pumping Rate:	50.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934657771
Test Type:	Draw Down
Test Duration:	45
Test Level:	75.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934114197
Test Type:	Draw Down
Test Duration:	15
Test Level:	27.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934397811
Test Type:	Draw Down
Test Duration:	30
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934915218
Test Type:	Draw Down
Test Duration:	60
Test Level:	145.0
Test Level UOM:	ft

Water Details

Water ID:	934042558
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	139.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	11097369	***Tag No:***	
Depth M:	45.72	***Contractor:***	1558
Year Completed:	2003	***Latitude:***	45.0951118928613
Well Completed Dt:	10/23/2003	***Longitude:***	-75.6536295087788
Audit No:	267035	***Y:***	45.09511188596047
Path:	153\1534319.pdf	***X:***	-75.65362934800737

9	***1 of 1***	***E/28.0***	***89.2 / -0.69***	***ON***	***BORE***

Borehole ID:	611415	***Inclin FLG:***	No
OGF ID:	215512737	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	AUG-1970	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.096768
Total Depth m:	-999	***Longitude DD:***	-75.644226
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	449311
Drill Method:		***Northing:***	4993902
Orig Ground Elev m:	88.7	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	89.8		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218388288	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	2.7	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Unknown	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	UNSPECIFIED. SEISMIC VELOCITY = 1300.		

Geology Stratum ID:	218388289	**Mat Consistency:**	
Top Depth:	2.7	**Material Moisture:**	
Bottom Depth:	5.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Unknown	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	UNSPECIFIED. SEISMIC VELOCITY = 4500.		

Geology Stratum ID:	218388290	**Mat Consistency:**	Firm
Top Depth:	5.2	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK. SEISMIC VELOCITY = 14500. 8790FIRM. CLAY. GREY,FIRM. SAND. BROWN. BEDROCK,UNSPE **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	L	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 03923 NTS_Sheet:		
Confiden 1:	Gives some indication of sub-surface condition but material is unknown.		

Source List

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

10	*1 of 1*	*SE/67.0*	*89.9 / 0.00*	*lot 35 con 3 ON*	*WWIS*

Well ID:	1514695	**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:**	06/05/1975
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1558
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	035
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	

Static Water Level:
Clear/Cloudy:
Municipality: NORTH GOWER TOWNSHIP
Site Info:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514695.pdf

Additional Detail(s) (Map)

Well Completed Date: 05/20/1975
Year Completed: 1975
Depth (m): 35.3568
Latitude: 45.0951608561446
Longitude: -75.6466096442408
Path: 151\1514695.pdf

Bore Hole Information

Bore Hole ID: 10036665
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 05/20/1975
Remarks:
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:
Elevation:
Elevrc:
Zone: 18
East83: 449121.70
North83: 4993725.00
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 931027010
Layer: 4
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 75.0
Formation End Depth: 90.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931027011
Layer: 5
Color: 8
General Color: BLACK
Mat1: 15
Most Common Material: LIMESTONE
Mat2:

Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	90.0
Formation End Depth:	116.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931027008
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	35.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931027007
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	01
Mat2 Desc:	FILL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931027009
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	35.0
Formation End Depth:	75.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961514695

Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10585235
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930064805
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	90.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930064806
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	94.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930064807
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	116.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991514695
Pump Set At:	
Static Level:	15.0
Final Level After Pumping:	60.0
Recommended Pump Depth:	90.0
Pumping Rate:	3.0
Flowing Rate:	
Recommended Pump Rate:	3.0
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:	934100514
Test Type:	Draw Down
Test Duration:	15
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934901988
Test Type:	Draw Down
Test Duration:	60
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934383530
Test Type:	Draw Down
Test Duration:	30
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934644100
Test Type:	Draw Down
Test Duration:	45
Test Level:	60.0
Test Level UOM:	ft

Water Details

Water ID:	933470626
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	112.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10036665	**Tag No:**	
Depth M:	35.3568	**Contractor:**	1558
Year Completed:	1975	**Latitude:**	45.0951608561446
Well Completed Dt:	05/20/1975	**Longitude:**	-75.6466096442408
Audit No:		**Y:**	45.095160848947714
Path:	151\1514695.pdf	**X:**	-75.6466094835021

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Well ID:	1514870	**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:***	08/22/1975
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3644
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	036
Depth to Bedrock:		***Concession:***	03
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514870.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/09/1975
Year Completed:	1975
Depth (m):	7.62
Latitude:	45.0962645075473
Longitude:	-75.6440548429294
Path:	151\1514870.pdf

Bore Hole Information

Bore Hole ID:	10036838	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	449323.70
Code OB Desc:		***North83:***	4993846.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	06/09/1975	***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:	931027553
Layer:	2
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	21.0

Formation End Depth:	25.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931027552
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	21.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961514870
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10585408
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930065122
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	25.0
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:	991514870
Pump Set At:	
Static Level:	6.0
Final Level After Pumping:	20.0
Recommended Pump Depth:	20.0
Pumping Rate:	30.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY

Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934893803
Test Type:	Draw Down
Test Duration:	60
Test Level:	20.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934100678
Test Type:	Draw Down
Test Duration:	15
Test Level:	20.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934384111
Test Type:	Draw Down
Test Duration:	30
Test Level:	20.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934644678
Test Type:	Draw Down
Test Duration:	45
Test Level:	20.0
Test Level UOM:	ft

Water Details

Water ID:	933470845
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	25.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10036838	***Tag No:***	
Depth M:	7.62	***Contractor:***	3644
Year Completed:	1975	***Latitude:***	45.0962645075473
Well Completed Dt:	06/09/1975	***Longitude:***	-75.6440548429294
Audit No:		***Y:***	45.096264500516604
Path:	151\1514870.pdf	***X:***	-75.64405468187493

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Borehole ID:	880938	***Inclin FLG:***	No
OGF ID:	215587748	***SP Status:***	Initial Entry

Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	10-OCT-1990	**Municipality:**	
Static Water Level:		**Lot:**	ROAD
Primary Water Use:		**Township:**	NORTH GOWER
Sec. Water Use:		**Latitude DD:**	45.093417
Total Depth m:	7.9	**Longitude DD:**	-75.652483
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	448658
Drill Method:	Hollow stem auger	**Northing:**	4993535
Orig Ground Elev m:	87.7	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	90.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	8003768	**Mat Consistency:**	Compact
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	3.3	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			

Stratum Description: GRAVELLY SAND TO SANDY GRAVEL, SOME SILT (GLACIAL TILL), OCC. COBBLES AND BOULDERS, COMPACT TO VERY DENSE, BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8003769	**Mat Consistency:**	
Top Depth:	3.3	**Material Moisture:**	
Bottom Depth:	7.9	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:	Fractured	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: LIMESTONE BEDROCK, FRACTURED, POOR QUALITY, SOUND, EXCELLENT QUALITY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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13 | ***1 of 1*** | ***ENE/105.3*** | ***89.9 / 0.00*** | ***lot 35 con 2 ON*** | ***WWIS***

Well ID:	1511642	**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:**	01/13/1972
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1558
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	035
Depth to Bedrock:		**Concession:**	02
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	

Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511642.pdf

Additional Detail(s) (Map)

Well Completed Date:	12/02/1971
Year Completed:	1971
Depth (m):	24.6888
Latitude:	45.099930946171
Longitude:	-75.6419734918151
Path:	151\1511642.pdf

Bore Hole Information

Bore Hole ID:	10033636	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	449490.70
Code OB Desc:		***North83:***	4994252.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	12/02/1971	***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:	931018348
Layer:	2
Color:	2
General Color:	GREY
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	11.0
Formation End Depth:	16.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931018350
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE

Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	26.0
Formation End Depth:	81.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931018349
Layer:	3
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	16.0
Formation End Depth:	26.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931018347
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	11.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961511642
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10582206
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930059757
Layer:	2
Material:	4

Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	81.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930059756
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	33.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991511642
Pump Set At:	
Static Level:	6.0
Final Level After Pumping:	40.0
Recommended Pump Depth:	60.0
Pumping Rate:	7.0
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:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934382837
Test Type:	Draw Down
Test Duration:	30
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934644971
Test Type:	Draw Down
Test Duration:	45
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934901889
Test Type:	Draw Down
Test Duration:	60
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934098295
Test Type:	Draw Down
Test Duration:	15
Test Level:	30.0
Test Level UOM:	ft

Water Details

Water ID:	933466867
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10033636	***Tag No:***	
Depth M:	24.6888	***Contractor:***	1558
Year Completed:	1971	***Latitude:***	45.099930946171
Well Completed Dt:	12/02/1971	***Longitude:***	-75.6419734918151
Audit No:		***Y:***	45.099930938373014
Path:	151\1511642.pdf	***X:***	-75.64197333155869

14 ***1 of 1*** ***ENE/105.3*** ***89.9 / 0.00*** ***ON*** ***BORE***

Borehole ID:	611418	***Inclin FLG:***	No
OGF ID:	215512740	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	DEC-1971	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.099931
Total Depth m:	24.7	***Longitude DD:***	-75.641973
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	449491
Drill Method:		***Northing:***	4994252
Orig Ground Elev m:	89.9	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	89.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218388298	***Mat Consistency:***	Hard
Top Depth:	4.9	***Material Moisture:***	
Bottom Depth:	7.9	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:		***Geologic Formation:***	
Material 2:	Boulders	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			

Stratum Description: HARDPAN,BOULDERS. GREY.

Geology Stratum ID:	218388299	**Mat Consistency:**	Firm
Top Depth:	7.9	**Material Moisture:**	
Bottom Depth:	24.7	**Material Texture:**	
Material Color:	Brown	**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. 00080LOCITY = 14500. 8790FIRM. CLAY. GREY,FIRM. SAND. BROWN. BEDROC **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	218388296	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	3.4	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Boulders	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: SAND,BOULDERS. BROWN.

Geology Stratum ID:	218388297	**Mat Consistency:**	
Top Depth:	3.4	**Material Moisture:**	
Bottom Depth:	4.9	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Boulders	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: SAND,BOULDERS. GREY.

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 03926 NTS_Sheet:
Confiden 1:

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1956-1972	**Projection Name:**	Universal Transverse Mercator
Scale or Resolution:	Varies		

Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

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15 ***1 of 1*** ***SW/113.0*** ***89.9 / 0.00*** ***ON*** ***BORE***

Borehole ID:	880935	**Inclin FLG:**	No
OGF ID:	215587745	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No

Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	09-OCT-1990	**Municipality:**	
Static Water Level:		**Lot:**	LOT 36
Primary Water Use:		**Township:**	NORTH GOWER
Sec. Water Use:		**Latitude DD:**	45.093229
Total Depth m:	3.4	**Longitude DD:**	-75.652405
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	448664
Drill Method:	Hollow stem auger	**Northing:**	4993514
Orig Ground Elev m:	87.3	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	89.7		
Concession:	CON 3		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	8003763	**Mat Consistency:**	
Top Depth:	1.8	**Material Moisture:**	
Bottom Depth:	3.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:	Fractured	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	LIMESTONE BEDROCK, POOR QUALITY, FRACTURED, EXCELLENT QUALITY, SOUND **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8003762	**Mat Consistency:**	Compact
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.8	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	GRAVELLY SAND TO SANDY GRAVEL WITH SILT (GLACIAL TILL), COMPACT TO VERY DENSE, OCC. COBBLES AND BOULDERS, BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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16 ***1 of 1*** ***SW/144.9*** ***89.9 / 0.00*** ***ON*** ***BORE***

Borehole ID:	880936	**Inclin FLG:**	No
OGF ID:	215587746	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	09-OCT-1990	**Municipality:**	
Static Water Level:		**Lot:**	LOT 36
Primary Water Use:		**Township:**	NORTH GOWER
Sec. Water Use:		**Latitude DD:**	45.093019
Total Depth m:	6.9	**Longitude DD:**	-75.652783
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	448634
Drill Method:	Hollow stem auger	**Northing:**	4993491
Orig Ground Elev m:	87.6	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	89.8		
Concession:	CON 3		

Location D:
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID:	8003764	**Mat Consistency:**	Dense
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	3.8	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			

Stratum Description: GRAVELLY SAND TO SANDY GRAVEL, SOME SILT (GLACIAL TILL), OCC. COBBLES AND BOULDERS, DENSE, BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8003765	**Mat Consistency:**	
Top Depth:	3.8	**Material Moisture:**	
Bottom Depth:	6.9	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:	Fractured	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: LIMESTONE BEDROCK, FRACTURED, VERY POOR TO POOR QUALITY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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17 | **1 of 1** | **SW/160.6** | **89.9 / 0.00** | **ON** | **BORE**

Borehole ID:	611412	**Inclin FLG:**	No
OGF ID:	215512734	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	AUG-1970	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.093026
Total Depth m:	-999	**Longitude DD:**	-75.653207
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	448601
Drill Method:		**Northing:**	4993492
Orig Ground Elev m:	89.3	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	90		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218388281	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	3.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Unknown	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	

Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: UNSPECIFIED. SEISMIC VELOCITY = 1600.

Geology Stratum ID: 218388282 **Mat Consistency:**
Top Depth: 3.4 **Material Moisture:**
Bottom Depth: 5.5 **Material Texture:**
Material Color: **Non Geo Mat Type:**
Material 1: Unknown **Geologic Formation:**
Material 2: **Geologic Group:**
Material 3: **Geologic Period:**
Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: UNSPECIFIED. SEISMIC VELOCITY = 7200.

Geology Stratum ID: 218388283 **Mat Consistency:** Firm
Top Depth: 5.5 **Material Moisture:**
Bottom Depth: **Material Texture:**
Material Color: Brown **Non Geo Mat Type:**
Material 1: Bedrock **Geologic Formation:**
Material 2: **Geologic Group:**
Material 3: **Geologic Period:**
Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: BEDROCK. SEISMIC VELOCITY = 14000. 8790FIRM. CLAY. GREY,FIRM. SAND. BROWN. BEDROCK,UNSPE
**Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type: Data Survey **Source Appl:** Spatial/Tabular
Source Orig: Geological Survey of Canada **Source Iden:** 1
Source Date: 1956-1972 **Scale or Res:** Varies
Confidence: L **Horizontal:** NAD27
Observatio: **Verticalda:** Mean Average Sea Level
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 03920 NTS_Sheet:
Confiden 1: Gives some indication of sub-surface condition but material is unknown.

Source List

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

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18 ***1 of 1*** ***SW/163.0*** ***89.9 / 0.00*** ***ON*** ***BORE***

Borehole ID: 880939 **Inclin FLG:** No
OGF ID: 215587749 **SP Status:** Initial Entry
Status: Decommissioned **Surv Elev:** No
Type: Borehole **Piezometer:** No
Use: Geotechnical/Geological Investigation **Primary Name:**
Completion Date: 04-OCT-1990 **Municipality:**
Static Water Level: **Lot:** ROAD
Primary Water Use: **Township:** NORTH GOWER
Sec. Water Use: **Latitude DD:** 45.09307
Total Depth m: 7 **Longitude DD:** -75.653343
Depth Ref: Ground Surface **UTM Zone:** 18
Depth Elev: **Easting:** 448590
Drill Method: Hollow stem auger **Northing:** 4993497

Orig Ground Elev m:	88.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	90.2		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	8003771	**Mat Consistency:**	
Top Depth:	4.1	**Material Moisture:**	
Bottom Depth:	7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: LIMESTONE BEDROCK, POOR QUALITY, EXCELLENT QUALITY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	8003770	**Mat Consistency:**	Compact
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	4.1	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			

Stratum Description: GRAVELLY SAND TO SANDY GRAVEL, TRACE SILT (GLACIAL TILL), OCC. COBBLES AND BOULDERS, COMPACT, BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.

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19 | ***1 of 3*** | ***ENE/163.8*** | ***89.9 / 0.00*** | ***2022 Dilworth Road Kars ON K0G 1G0*** | ***PES***

Detail Licence No:		**Operator Box:**	
Licence No:	L-240-7113337603	**Operator Class:**	
Status:	Active	**Operator No:**	
Approval Date:	2021-10-18	**Operator Type:**	
Report Source:	PEST-Operator	**Oper Area Code:**	
Licence Type:	Operator	**Oper Phone No:**	
Licence Type Code:		**Operator Ext:**	
Licence Class:		**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Latitude:	45.09805556	**Operator Region:**	
Longitude:	-75.63777778	**Operator District:**	
Lot:		**Operator County:**	
Concession:		**Op Municipality:**	
Region:		**Post Office Box:**	
District:		**MOE District:**	Ottawa
County:		**SWP Area Name:**	Rideau Valley
Trade Name:			

PDF URL: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2500307

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19 | ***2 of 3*** | ***ENE/163.8*** | ***89.9 / 0.00*** | ***RIDEAU VALLEY CONSERVATION AUTHORITY 2022 Dilworth Road Kars ON K0G 1G0*** | ***PES***

Detail Licence No:	**Operator Box:**

Licence No:	L-240-7113337603	**Operator Class:**	
Status:	Active	**Operator No:**	
Approval Date:	December 1, 2022	**Operator Type:**	
Report Source:	PEST-Operator	**Oper Area Code:**	
Licence Type:	Operator	**Oper Phone No:**	
Licence Type Code:		**Operator Ext:**	
Licence Class:		**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Latitude:	45.09805556	**Operator Region:**	
Longitude:	-75.63777778	**Operator District:**	
Lot:		**Operator County:**	
Concession:		**Op Municipality:**	
Region:		**Post Office Box:**	
District:		**MOE District:**	Ottawa
County:		**SWP Area Name:**	Rideau Valley
Trade Name:			

PDF URL: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2796620

19	3 of 3	ENE/163.8	89.9 / 0.00	RIDEAU VALLEY CONSERVATION AUTHORITY 2022 Dilworth Road Kars ON K0G 1G0	PES

Detail Licence No:		**Operator Box:**	
Licence No:	L-240-4267048908	**Operator Class:**	
Status:	Active	**Operator No:**	
Approval Date:	February 5, 2024	**Operator Type:**	
Report Source:	PEST-Operator	**Oper Area Code:**	
Licence Type:	Operator	**Oper Phone No:**	
Licence Type Code:		**Operator Ext:**	
Licence Class:		**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Latitude:	45.09805556	**Operator Region:**	
Longitude:	-75.63777778	**Operator District:**	
Lot:		**Operator County:**	
Concession:		**Op Municipality:**	
Region:		**Post Office Box:**	
District:		**MOE District:**	Ottawa
County:		**SWP Area Name:**	Rideau Valley
Trade Name:			

PDF URL: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=3300795

20	1 of 1	E/166.1	88.9 / -1.00	lot 36 con 3 ON	WWIS

Well ID:	1514876	**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:**	08/22/1975
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3644
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	036
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: NORTH GOWER TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514876.pdf

Additional Detail(s) (Map)

Well Completed Date: 06/09/1975
Year Completed: 1975
Depth (m): 41.148
Latitude: 45.0971183519271
Longitude: -75.6410904460385
Path: 151\1514876.pdf

Bore Hole Information

Bore Hole ID: 10036844
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/09/1975
Remarks:
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:

Elevation:
Elevrc:
Zone: 18
East83: 449557.70
North83: 4993939.00
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 931027565
Layer: 1
Color: 7
General Color: RED
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 6.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931027566
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:

Mat3 Desc:	
Formation Top Depth:	6.0
Formation End Depth:	21.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931027567
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	21.0
Formation End Depth:	135.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961514876
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10585414
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930065128
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	23.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930065129
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	135.0
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:	991514876
Pump Set At:	
Static Level:	5.0
Final Level After Pumping:	100.0
Recommended Pump Depth:	100.0
Pumping Rate:	2.0
Flowing Rate:	
Recommended Pump Rate:	2.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934384117
Test Type:	Draw Down
Test Duration:	30
Test Level:	100.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934100684
Test Type:	Draw Down
Test Duration:	15
Test Level:	100.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934893809
Test Type:	Draw Down
Test Duration:	60
Test Level:	100.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934645102
Test Type:	Draw Down
Test Duration:	45
Test Level:	100.0
Test Level UOM:	ft

Water Details

Water ID:	933470851
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	130.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10036844	***Tag No:***	
Depth M:	41.148	***Contractor:***	3644
Year Completed:	1975	***Latitude:***	45.0971183519271
Well Completed Dt:	06/09/1975	***Longitude:***	-75.6410904460385
Audit No:		***Y:***	45.09711834484932
Path:	151\1514876.pdf	***X:***	-75.64109028546531

21 ***1 of 1*** ***E/168.8*** ***89.9 / 0.00*** ***ON*** ***BORE***

Borehole ID:	611416	***Inclin FLG:***	No
OGF ID:	215512738	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	AUG-1970	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.098412
Total Depth m:	-999	***Longitude DD:***	-75.639923
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	449651
Drill Method:		***Northing:***	4994082
Orig Ground Elev m:	89.9	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	89.6		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218388292	***Mat Consistency:***	Firm
Top Depth:	3.4	***Material Moisture:***	
Bottom Depth:		***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Bedrock	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	BEDROCK. SEISMIC VELOCITY = 16600. BEDROCK. SEISMIC VELOCITY = 14500. 8790FIRM. CLAY.		

Geology Stratum ID:	218388291	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	3.4	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Unknown	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	UNSPECIFIED. SEISMIC VELOCITY = 1200.		

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies
Confidence:	L	***Horizontal:***	NAD27

Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 03924 NTS_Sheet:		
Confiden 1:	Gives some indication of sub-surface condition but material is unknown.		

Source List

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

22	1 of 1	SW/173.7	89.9 / 0.00	ON	BORE

Borehole ID:	880937	**Inclin FLG:**	No
OGF ID:	215587747	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	05-OCT-1990	**Municipality:**	
Static Water Level:		**Lot:**	LOT 36
Primary Water Use:		**Township:**	NORTH GOWER
Sec. Water Use:		**Latitude DD:**	45.0929
Total Depth m:	7	**Longitude DD:**	-75.65324
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	448598
Drill Method:	Hollow stem auger	**Northing:**	4993478
Orig Ground Elev m:	88.6	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	89.8		
Concession:	CON 3		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	8003766	**Mat Consistency:**	Dense
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	4	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial
Gsc Material Description:			
Stratum Description:	GRAVELLY SAND TO SANDY GRAVEL WITH SILT (GLACIAL TILL), OCC. COBBLES AND BOULDERS, VERY DENSE TO DENSE, BROWN **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	8003767	**Mat Consistency:**	
Top Depth:	4	**Material Moisture:**	
Bottom Depth:	7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:	Fractured	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	LIMESTONE BEDROCK, FRACTURED, POOR QUALITY, SOUND, GOOD QUALITY **Note: Many records		

provided by the department have a truncated [Stratum Description] field.

23	1 of 4	E/210.3	89.9 / 0.00	2022 Dilworth Road Ottawa ON	EHS

Order No:	20081124007	**Nearest Intersection:**	Dilworth Road and Third Line Road
Status:	C	**Municipality:**	Ottawa
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	12/2/2008	**Search Radius (km):**	0.25
Date Received:	11/24/2008	**X:**	-75.637982
Previous Site Name:		**Y:**	45.097633
Lot/Building Size:			
Additional Info Ordered:			

23	2 of 4	E/210.3	89.9 / 0.00	RIDEAU VALLEY CONSERVATION AUTHORITY 2022 Dilworth Road Kars ON K0G 1G0	PES

Detail Licence No:		**Operator Box:**	
Licence No:	L-240-7043270961	**Operator Class:**	
Status:	Active	**Operator No:**	
Approval Date:	2019-02-06	**Operator Type:**	
Report Source:	PEST-Operator	**Oper Area Code:**	
Licence Type:	Operator	**Oper Phone No:**	
Licence Type Code:		**Operator Ext:**	
Licence Class:		**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Latitude:	45.09805556	**Operator Region:**	
Longitude:	-75.63777778	**Operator District:**	
Lot:		**Operator County:**	
Concession:		**Op Municipality:**	
Region:		**Post Office Box:**	
District:		**MOE District:**	Ottawa
County:		**SWP Area Name:**	Rideau Valley
Trade Name:			
PDF URL:	http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2123868		

23	3 of 4	E/210.3	89.9 / 0.00	RIDEAU VALLEY CONSERVATION AUTHORITY 2022 Dilworth Road Kars ON K0G 1G0	PES

Detail Licence No:		**Operator Box:**	
Licence No:	L-240-7043270961	**Operator Class:**	
Status:	Active	**Operator No:**	
Approval Date:	2019-12-16	**Operator Type:**	
Report Source:	PEST-Operator	**Oper Area Code:**	
Licence Type:	Operator	**Oper Phone No:**	
Licence Type Code:		**Operator Ext:**	
Licence Class:		**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Latitude:	45.09805556	**Operator Region:**	
Longitude:	-75.63777778	**Operator District:**	
Lot:		**Operator County:**	
Concession:		**Op Municipality:**	
Region:		**Post Office Box:**	
District:		**MOE District:**	Ottawa
County:		**SWP Area Name:**	Rideau Valley
Trade Name:			
PDF URL:	http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2200763		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	4 of 4	E/210.3	89.9 / 0.00	RIDEAU VALLEY CONSERVATION AUTHORITY 2022 Dilworth Road Kars ON K0G 1G0	PES

Detail Licence No:		**Operator Box:**	
Licence No:	L-240-7113337603	**Operator Class:**	
Status:	Active	**Operator No:**	
Approval Date:	2021-01-26	**Operator Type:**	
Report Source:	PEST-Operator	**Oper Area Code:**	
Licence Type:	Operator	**Oper Phone No:**	
Licence Type Code:		**Operator Ext:**	
Licence Class:		**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Latitude:	45.09805556	**Operator Region:**	
Longitude:	-75.63777778	**Operator District:**	
Lot:		**Operator County:**	
Concession:		**Op Municipality:**	
Region:		**Post Office Box:**	
District:		**MOE District:**	Ottawa
County:		**SWP Area Name:**	Rideau Valley
Trade Name:			

PDF URL: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2332862

24	1 of 1	ESE/211.7	86.8 / -3.12	lot 36 con 3 ON	WWIS

Well ID:	7048482	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	08/23/2007
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z72515	**Contractor:**	4877
Tag:	A049954	**Form Version:**	3
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	036
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7048482.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/20/2007
Year Completed:	2007
Depth (m):	55.17
Latitude:	45.0957884120887
Longitude:	-75.642279115093
Path:	704\7048482.pdf

Bore Hole Information

Bore Hole ID:	23048482	**Elevation:**	
DP2BR:		**Elevrc:**	

Spatial Status:		***Zone:***	18
Code OB:		***East83:***	449463.00
Code OB Desc:		***North83:***	4993792.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	06/20/2007	***UTMRC Desc:***	margin of error : 10 - 30 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:	30148482
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	12
Mat2 Desc:	STONES
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	0.0
Formation End Depth:	2.740000009536743
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	30248482
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	2.740000009536743
Formation End Depth:	8.229999542236328
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	30348482
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	16
Mat2 Desc:	DOLOMITE
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	8.229999542236328

Formation End Depth:	55.16999816894531
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	44003968
Layer:	1
Plug From:	9.449999809265137
Plug To:	6.099999904632568
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	25948482
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	29048482
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	42248482
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	9.449999809265137
Depth To:	55.16999816894531
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Casing

Casing ID:	42148482
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	0.0
Depth To:	9.449999809265137
Casing Diameter:	15.880000114440918
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	27048482
Pump Set At:	51.81999969482422
Static Level:	1.8600000143051147
Final Level After Pumping:	31.56999969482422
Recommended Pump Depth:	51.81999969482422
Pumping Rate:	22.75
Flowing Rate:	

Recommended Pump Rate:	22.75
Levels UOM:	m
Rate UOM:	LPM
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:	45031685
Test Type:	Recovery
Test Duration:	60
Test Level:	11.869999885559082
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	45031709
Test Type:	Draw Down
Test Duration:	25
Test Level:	21.190000534057617
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	45031701
Test Type:	Draw Down
Test Duration:	30
Test Level:	22.8799991607666
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	45031703
Test Type:	Recovery
Test Duration:	50
Test Level:	13.569999694824219
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	45031686
Test Type:	Draw Down
Test Duration:	60
Test Level:	31.56999969482422
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	45031690
Test Type:	Recovery
Test Duration:	30
Test Level:	19.709999084472656
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID: 45031691
Test Type: Draw Down
Test Duration: 5
Test Level: 7.119999885559082
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031693
Test Type: Recovery
Test Duration: 10
Test Level: 26.420000076293945
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031698
Test Type: Recovery
Test Duration: 20
Test Level: 23.350000381469727
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031699
Test Type: Draw Down
Test Duration: 2
Test Level: 4.440000057220459
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031705
Test Type: Draw Down
Test Duration: 20
Test Level: 19.860000610351562
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031692
Test Type: Recovery
Test Duration: 5
Test Level: 29.209999084472656
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031696
Test Type: Draw Down
Test Duration: 15
Test Level: 15.399999618530273
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031700
Test Type: Recovery
Test Duration: 40
Test Level: 16.65999984741211

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031704
Test Type: Recovery
Test Duration: 25
Test Level: 21.420000076293945
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031684
Test Type: Recovery
Test Duration: 4
Test Level: 29.479999542236328
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031687
Test Type: Recovery
Test Duration: 1
Test Level: 30.520000457763672
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031702
Test Type: Draw Down
Test Duration: 50
Test Level: 29.18000030517578
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031706
Test Type: Recovery
Test Duration: 3
Test Level: 29.780000686645508
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031688
Test Type: Draw Down
Test Duration: 10
Test Level: 11.380000114440918
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031707
Test Type: Draw Down
Test Duration: 3
Test Level: 5.539999961853027
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031708
Test Type: Recovery
Test Duration: 2
Test Level: 30.209999084472656
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031689
Test Type: Draw Down
Test Duration: 4
Test Level: 6.230000019073486
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031694
Test Type: Recovery
Test Duration: 15
Test Level: 25.350000381469727
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031695
Test Type: Draw Down
Test Duration: 1
Test Level: 3.509999990463257
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45031697
Test Type: Draw Down
Test Duration: 40
Test Level: 26.079999923706055
Test Level UOM: m

Water Details

Water ID: 41248482
Layer: 2
Kind Code:
Kind:
Water Found Depth: 49.68000030517578
Water Found Depth UOM: m

Water Details

Water ID: 41148482
Layer: 1
Kind Code:
Kind:
Water Found Depth: 45.0
Water Found Depth UOM: m

Hole Diameter

Hole ID: 46002817

Diameter:	15.550000190734863
Depth From:	9.449999809265137
Depth To:	55.16999816894531
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	46002816
Diameter:	25.079999923706055
Depth From:	0.0
Depth To:	9.449999809265137
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	23048482	**Tag No:**	A049954
Depth M:	55.17	**Contractor:**	4877
Year Completed:	2007	**Latitude:**	45.0957884120887
Well Completed Dt:	06/20/2007	**Longitude:**	-75.642279115093
Audit No:	Z72515	**Y:**	45.095788404630476
Path:	704\7048482.pdf	**X:**	-75.64227895393327

25 **1 of 3** **SSW/225.8** **87.9 / -2.00** **lot 36 con 3 ON** **WWIS**

Well ID:	1531276	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	08/18/2000
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	217043	**Contractor:**	1119
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	036
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1531276.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/17/2000
Year Completed:	2000
Depth (m):	24.6888
Latitude:	45.092216103721
Longitude:	-75.6499873199602
Path:	153\1531276.pdf

Bore Hole Information

Bore Hole ID:	10052810	**Elevation:**	

DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	448853.30
Code OB Desc:		***North83:***	4993400.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	07/17/2000	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	lot
Loc Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931078053
Layer:	1
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	24.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931078054
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	24.0
Formation End Depth:	81.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933116448
Layer:	1
Plug From:	2.0
Plug To:	30.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961531276
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10601380
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930092352
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930092350
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	8.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930092351
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	
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:	991531276
Pump Set At:	
Static Level:	5.0
Final Level After Pumping:	60.0
Recommended Pump Depth:	60.0
Pumping Rate:	16.0
Flowing Rate:	
Recommended Pump Rate:	16.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2

Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934395953
Test Type: Recovery
Test Duration: 30
Test Level: 5.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934913919
Test Type: Recovery
Test Duration: 60
Test Level: 5.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934657027
Test Type: Recovery
Test Duration: 45
Test Level: 5.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934113449
Test Type: Recovery
Test Duration: 15
Test Level: 5.0
Test Level UOM: ft

Water Details

Water ID: 933491668
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 61.0
Water Found Depth UOM: ft

Water Details

Water ID: 933491669
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 73.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10052810 ***Tag No:***
Depth M: 24.6888 ***Contractor:*** 1119

Year Completed:	2000	**Latitude:**	45.092216103721
Well Completed Dt:	07/17/2000	**Longitude:**	-75.6499873199602
Audit No:	217043	**Y:**	45.09221609646432
Path:	153\1531276.pdf	**X:**	-75.64998715887874

25 | **2 of 3** | **SSW/225.8** | **87.9 / -2.00** | **lot 36 con 3 ON** | **WWIS**

Well ID:	1533875	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	07/16/2003
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	248377	**Contractor:**	1119
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	036
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1533875.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/17/2003
Year Completed:	2003
Depth (m):	67.056
Latitude:	45.092216103721
Longitude:	-75.6499873199602
Path:	153\1533875.pdf

Bore Hole Information

Bore Hole ID:	10542990	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	448853.30
Code OB Desc:		**North83:**	4993400.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	06/17/2003	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	lot
Loc Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932924475
Layer:	1
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	31.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932924476
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	31.0
Formation End Depth:	220.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933240774
Layer:	1
Plug From:	0.0
Plug To:	35.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961533875
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	11091560
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930097782
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	

Depth To:	
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930097783
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930097781
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	8.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991533875
Pump Set At:	
Static Level:	36.0
Final Level After Pumping:	180.0
Recommended Pump Depth:	180.0
Pumping Rate:	6.0
Flowing Rate:	
Recommended Pump Rate:	6.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934914032
Test Type:	Recovery
Test Duration:	60
Test Level:	36.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934396208
Test Type:	Recovery
Test Duration:	30

Test Level:	36.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934656585
Test Type:	Recovery
Test Duration:	45
Test Level:	36.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934113011
Test Type:	Recovery
Test Duration:	15
Test Level:	107.0
Test Level UOM:	ft

Water Details

Water ID:	934036688
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	212.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10542990	**Tag No:**	
Depth M:	67.056	**Contractor:**	1119
Year Completed:	2003	**Latitude:**	45.092216103721
Well Completed Dt:	06/17/2003	**Longitude:**	-75.6499873199602
Audit No:	248377	**Y:**	45.09221609646432
Path:	153\1533875.pdf	**X:**	-75.64998715887874

25	3 of 3	SSW/225.8	87.9 / -2.00	lot 36 con 3 ON	WWIS

Well ID:	1534056	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	09/23/2003
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	265557	**Contractor:**	1119
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	036
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1534056.pdf

Additional Detail(s) (Map)

Well Completed Date:	08/26/2003
Year Completed:	2003
Depth (m):	26.5176
Latitude:	45.092216103721
Longitude:	-75.6499873199602
Path:	153\1534056.pdf

Bore Hole Information

Bore Hole ID:	10543171	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	448853.30
Code OB Desc:		***North83:***	4993400.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	08/26/2003	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	lot
Loc Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932924945
Layer:	1
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	11.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932924946
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	11.0
Formation End Depth:	87.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933240944
Layer:	1
Plug From:	0.0
Plug To:	20.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961534056
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	11091741
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930098172
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930098171
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	
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:	991534056
Pump Set At:	
Static Level:	7.0
Final Level After Pumping:	60.0
Recommended Pump Depth:	60.0
Pumping Rate:	25.0
Flowing Rate:	
Recommended Pump Rate:	25.0
Levels UOM:	ft

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

Draw Down & Recovery

Pump Test Detail ID:	934113588
Test Type:	Recovery
Test Duration:	15
Test Level:	7.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934657162
Test Type:	Recovery
Test Duration:	45
Test Level:	7.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934914609
Test Type:	Recovery
Test Duration:	60
Test Level:	7.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934397202
Test Type:	Recovery
Test Duration:	30
Test Level:	7.0
Test Level UOM:	ft

Water Details

Water ID:	934036952
Layer:	2
Kind Code:	5
Kind:	Not stated
Water Found Depth:	70.0
Water Found Depth UOM:	ft

Water Details

Water ID:	934036951
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	50.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10543171	**Tag No:**	
Depth M:	26.5176	**Contractor:**	1119
Year Completed:	2003	**Latitude:**	45.092216103721
Well Completed Dt:	08/26/2003	**Longitude:**	-75.6499873199602
Audit No:	265557	**Y:**	45.09221609646432
Path:	153\1534056.pdf	**X:**	-75.64998715887874

26	1 of 3	SSW/227.9	87.9 / -2.00	lot 36 con 3 ON	WWIS

Well ID:	1526527	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	09/25/1992
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	123365	**Contractor:**	3749
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	036
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1526527.pdf

Additional Detail(s) (Map)

Well Completed Date:	08/20/1992
Year Completed:	1992
Depth (m):	16.764
Latitude:	45.0922073484145
Longitude:	-75.6499440124482
Path:	152\1526527.pdf

Bore Hole Information

Bore Hole ID:	10048225	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	448856.70
Code OB Desc:		**North83:**	4993399.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	08/20/1992	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	lot
Loc Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931064415
Layer:	1
Color:	2
General Color:	GREY
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

Formation ID:	931064416
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	17
Mat2 Desc:	SHALE
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	28.0
Formation End Depth:	55.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933111768
Layer:	1
Plug From:	6.0
Plug To:	30.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961526527
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10596795
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930084438
Layer:	1
Material:	1

Open Hole or Material:	STEEL
Depth From:	
Depth To:	30.0
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:	991526527
Pump Set At:	
Static Level:	12.0
Final Level After Pumping:	
Recommended Pump Depth:	50.0
Pumping Rate:	20.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934107900
Test Type:	Recovery
Test Duration:	15
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934391531
Test Type:	Recovery
Test Duration:	30
Test Level:	12.0
Test Level UOM:	ft

Water Details

Water ID:	933485868
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	45.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10048225	***Tag No:***	
Depth M:	16.764	***Contractor:***	3749
Year Completed:	1992	***Latitude:***	45.0922073484145
Well Completed Dt:	08/20/1992	***Longitude:***	-75.6499440124482
Audit No:	123365	***Y:***	45.092207340952676
Path:	152\1526527.pdf	***X:***	-75.64994385111393

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
26	2 of 3	SSW/227.9	87.9 / -2.00	lot 36 con 3 ON	WWIS

Well ID:	1529354	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	03/10/1997
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	176417	**Contractor:**	6455
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	036
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1529354.pdf

Additional Detail(s) (Map)

Well Completed Date:	02/27/1997
Year Completed:	1997
Depth (m):	9.144
Latitude:	45.0922073484145
Longitude:	-75.6499440124482
Path:	152\1529354.pdf

Bore Hole Information

Bore Hole ID:	10050890	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	448856.70
Code OB Desc:		**North83:**	4993399.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	02/27/1997	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	lot
Loc Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931072473
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY

Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	66
Mat3 Desc:	DENSE
Formation Top Depth:	5.0
Formation End Depth:	16.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931072474
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	16.0
Formation End Depth:	30.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931072472
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	77
Mat2 Desc:	LOOSE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	5.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933114341
Layer:	1
Plug From:	0.0
Plug To:	20.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961529354
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10599460

Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930088834
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	30.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930088833
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991529354
Pump Set At:	
Static Level:	2.0
Final Level After Pumping:	8.0
Recommended Pump Depth:	20.0
Pumping Rate:	50.0
Flowing Rate:	
Recommended Pump Rate:	10.0
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:	934115569
Test Type:	Draw Down
Test Duration:	15
Test Level:	8.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934390537
Test Type:	Draw Down
Test Duration:	30
Test Level:	8.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934908237
Test Type: Draw Down
Test Duration: 60
Test Level: 8.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934659147
Test Type: Draw Down
Test Duration: 45
Test Level: 8.0
Test Level UOM: ft

Water Details

Water ID: 933489306
Layer: 1
Kind Code: 4
Kind: MINERIAL
Water Found Depth: 27.0
Water Found Depth UOM: ft

Links

Bore Hole ID:	10050890	**Tag No:**	
Depth M:	9.144	**Contractor:**	6455
Year Completed:	1997	**Latitude:**	45.0922073484145
Well Completed Dt:	02/27/1997	**Longitude:**	-75.6499440124482
Audit No:	176417	**Y:**	45.092207340952676
Path:	152\1529354.pdf	**X:**	-75.64994385111393

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26 | **3 of 3** | **SSW/227.9** | **87.9 / -2.00** | **lot 36 con 3 ON** | **WWIS**

Well ID:	1529610	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	09/17/1997
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	180702	**Contractor:**	6455
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	036
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1529610.pdf

Additional Detail(s) (Map)

Well Completed Date:	08/20/1997
Year Completed:	1997
Depth (m):	12.192
Latitude:	45.0922073484145
Longitude:	-75.6499440124482
Path:	152\1529610.pdf

Bore Hole Information

Bore Hole ID:	10051145	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	448856.70
Code OB Desc:		***North83:***	4993399.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	08/20/1997	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	lot
Loc Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931073303
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	14
Mat3 Desc:	HARDPAN
Formation Top Depth:	20.0
Formation End Depth:	26.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931073302
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	88
Mat2 Desc:	THICK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	7.0
Formation End Depth:	20.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931073301
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	79
Mat2 Desc:	PACKED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	7.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931073304
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	78
Mat2 Desc:	MEDIUM-GRAINED
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	26.0
Formation End Depth:	40.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933114635
Layer:	1
Plug From:	0.0
Plug To:	28.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961529610
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10599715
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930089277
Layer:	1

Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	28.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930089278
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	40.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991529610
Pump Set At:	
Static Level:	5.0
Final Level After Pumping:	25.0
Recommended Pump Depth:	30.0
Pumping Rate:	20.0
Flowing Rate:	
Recommended Pump Rate:	10.0
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:	934909269
Test Type:	Draw Down
Test Duration:	60
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934660732
Test Type:	Draw Down
Test Duration:	45
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934116179
Test Type:	Draw Down
Test Duration:	15
Test Level:	15.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934391151
Test Type: Draw Down
Test Duration: 30
Test Level: 25.0
Test Level UOM: ft

Water Details

Water ID: 933489625
Layer: 1
Kind Code: 4
Kind: MINERIAL
Water Found Depth: 36.0
Water Found Depth UOM: ft

Links

Bore Hole ID:	10051145	**Tag No:**	
Depth M:	12.192	**Contractor:**	6455
Year Completed:	1997	**Latitude:**	45.0922073484145
Well Completed Dt:	08/20/1997	**Longitude:**	-75.6499440124482
Audit No:	180702	**Y:**	45.092207340952676
Path:	152\1529610.pdf	**X:**	-75.64994385111393

27	1 of 1	W/244.6	89.9 / 0.00	lot 34 con 3 ON	WWIS

Well ID:	1533871	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	07/31/2003
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	257336	**Contractor:**	1414
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	034
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1533871.pdf

Additional Detail(s) (Map)

Well Completed Date: 07/25/2003
Year Completed: 2003
Depth (m): 24.9936
Latitude: 45.0979356259767
Longitude: -75.6572585312468
Path: 153\1533871.pdf

Bore Hole Information

Bore Hole ID:	10542986	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	448286.30
Code OB Desc:		***North83:***	4994040.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	07/25/2003	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	lot
Loc Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932924462
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	74
Mat3 Desc:	LAYERED
Formation Top Depth:	46.0
Formation End Depth:	82.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932924461
Layer:	2
Color:	2
General Color:	GREY
Mat1:	34
Most Common Material:	TILL
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	14.0
Formation End Depth:	46.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932924460
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	34

Most Common Material:	TILL
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	0.0
Formation End Depth:	14.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933240770
Layer:	1
Plug From:	0.0
Plug To:	51.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961533871
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11091556
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930097770
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	8.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930097772
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930097771
Layer:	2

Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	
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:	991533871
Pump Set At:	
Static Level:	25.0
Final Level After Pumping:	82.0
Recommended Pump Depth:	70.0
Pumping Rate:	25.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934914028
Test Type:	Recovery
Test Duration:	60
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934113007
Test Type:	Recovery
Test Duration:	15
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934656581
Test Type:	Recovery
Test Duration:	45
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934396204
Test Type:	Recovery
Test Duration:	30
Test Level:	25.0
Test Level UOM:	ft

Water Details

Water ID:	934036684
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10542986	***Tag No:***	
Depth M:	24.9936	***Contractor:***	1414
Year Completed:	2003	***Latitude:***	45.0979356259767
Well Completed Dt:	07/25/2003	***Longitude:***	-75.6572585312468
Audit No:	257336	***Y:***	45.09793561842353
Path:	153\1533871.pdf	***X:***	-75.65725837053915

Unplottable Summary

Total: 22 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 35 Con 2	Rideau ON	
CA	BOT CONSTRUCTION LIMITED	HWY. #416, CRANBERRY CREEK	RIDEAU TWP. ON	
CA	Village Square Mall	Regional Road No. 13	Ottawa ON	
CONV	Brandon James Amell	Highway 416	Ottawa ON	
GEN	RIDEAU VALLEY CONSERVATION AUTHORITY	LOT 36, CONCESSION 2	RIDEAU TOWNSHIP ON	K4M 1A5
GEN	RIDEAU VALLEY CONSERVATION AUTHORITY	LOT 36, CONCESSION 2	RIDEAU TOWNSHIP ON	K4M 1A5
GEN	RIDEAU VALLEY CONSERVATION AUTHORITY	LOT 36, CONCESSION 2	RIDEAU TOWNSHIP ON	K4M 1A5
GEN	RIDEAU VALLEY CONSERVATION AUTHORITY	LOT 36, CONCESSION 2	RIDEAU TOWNSHIP ON	K4M 1A5
GEN	RIDEAU VALLEY CONSERVATION AUTHORITY	LOT 36, CONCESSION 2	RIDEAU TOWNSHIP ON	
GEN	RIDEAU VALLEY CONSERVATION AUTHORITY	LOT 36, CONCESSION 2	RIDEAU TOWNSHIP ON	
GEN	RIDEAU VALLEY CONSERVATION AUTHORITY	LOT 36, CONCESSION 2	RIDEAU TOWNSHIP ON	K4M 1A5
GEN	RIDEAU VALLEY CONSERVATION AUTHORITY	LOT 36, CONCESSION 2	RIDEAU TOWNSHIP ON	K4M 1A5
GEN	RIDEAU VALLEY CONSERVATION AUTHORITY	LOT 36, CONCESSION 2	RIDEAU TOWNSHIP ON	K4M 1A5
GEN	RIDEAU VALLEY CONSERVATION AUTHOR	CONC. 2, LOT 36	RIDEAU TWP. ON	
GEN	RIDEAU VALLEY CONSERVATION AUTHORITY	LOT 36, CONCESSION 2	RIDEAU TOWNSHIP ON	
GEN	RIDEAU VALLEY CONSERVATION AUTHORITY	LOT 36, CONCESSION 2	RIDEAU TOWNSHIP ON	

GEN	RIDEAU VALLEY CONSERVATION AUTHORITY	LOT 36, CONCESSION 2	RIDEAU TOWNSHIP ON
GEN	RIDEAU VALLEY CONSERVATION AUTHORITY	LOT 36, CONCESSION 2	RIDEAU TOWNSHIP ON
SPL		Highway 416, mile marker 41, 1 km south of Dilworth Rd. exit. Ottawa	OTTAWA ON
SPL	CONSTRUCTION COMPANY	REGION RD #13, BAXTER CONSERVATION AREA TRANSPORT TRUCK (CARGO)	RIDEAU TOWNSHIP ON
WWIS		lot 36	ON
WWIS		lot 35	ON

Unplottable Report

Site: **Database:**
Lot 35 Con 2 Rideau ON ***AAGR***

Type:	Pit
Region/County:	Ottawa-Carleton
Township:	Rideau
Concession:	2
Lot:	35
Size (ha):	0.05
Landuse:	
Comments:	

Site: ***BOT CONSTRUCTION LIMITED*** **Database:**
HWY. #416, CRANBERRY CREEK RIDEAU TWP. ON ***CA***

Certificate #:	4-0022-97-
Application Year:	97
Issue Date:	3/11/1997
Approval Type:	Industrial wastewater
Status:	Cancelled
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	DEWATERING FACILITY FOR DREDGED MATERIAL
Contaminants:	
Emission Control:	

Site: ***Village Square Mall*** **Database:**
Regional Road No. 13 Ottawa ON ***CA***

Certificate #:	7752-4VBMMJ
Application Year:	01
Issue Date:	4/2/01
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	The Village Square Mall (Barrhaven) Inc.
Client Address:	17 Fitzgerald Road
Client City:	Nepean
Client Postal Code:	K2H 9G1
Project Description:	Storm and sanitary sewers to be constructed on Greenbank Road
Contaminants:	
Emission Control:	

Site: ***Brandon James Amell*** **Database:**
Highway 416 Ottawa ON ***CONV***

File No:		***Location:***	
Crown Brief No:		***Region:***	
Court Location:	Ottawa	***Ministry District:***	
Publication City:			
Publication Title:	Diesel Truck Owner fined $500 for an Environmental Protection Act Violation		
Act:	Environmental Protection Act		

Act(s):	
First Matter:	
Second Matter:	
Investigation 1:	
Investigation 2:	
Penalty Imposed:	Brandon Amell was convicted of one violation under the Environmental Protection Act and was fined $500 plus a victim fine surcharge of $110 and was given 3 months to pay.
Description:	The conviction relates tohindering or obstructing a Provincial Officer in the lawful performance of his duties by evading the Provincial Officer.
Background:	Drive Clean is an Ontario Environmental Protection Act program that is enforced by the Ministry of the Environment, Conservation and Parks and is designed to reduce smog-causing pollutants from motor vehicles. On April 11, 2018, ministry officers were monitoring traffic on Highway 416 in Ottawa for the purpose of performing roadside inspections to enforce the Drive Clean program. The ministry officers were wearing visual identification enforcement officer uniforms and were driving in a ministry patrol vehicle that was equipped with a red-light package. On this date, the ministry officer signalled a white GMC diesel pickup truck to stop for an inspection by activating the red-light package on the ministry vehicle. Brandon James Amell was driving the pickup and failed to immediately bring the vehicle to a safe stop, but instead accelerated away and took a highway off ramp. It is understood that Mr. Amell did this because he was concerned about being caught driving while under suspension. The ministry's Investigations and Enforcement Branch investigated and laid charges resulting in one conviction.
URL:	https://news.ontario.ca/ene/en/2019/10/diesel-truck-owner-fined-500-for-an-environmental-protection-act-violation.html

Additional Details

Publication Date:	October 15, 2019 4:00 P.M.
Count:	
Act:	
Regulation:	
Section:	
Act/Regulation/Section:	
Date of Offence:	On or about April 11, 2018
Date of Conviction:	September 18, 2019
Date Charged:	
Charge Disposition:	
Fine:	$500
Synopsis:	

Site: ***RIDEAU VALLEY CONSERVATION AUTHORITY***
LOT 36, CONCESSION 2 RIDEAU TOWNSHIP ON K4M 1A5

Database: ***GEN***

Generator No:	ON1035100
SIC Code:	
SIC Description:	
Approval Years:	As of Dec 2018
PO Box No:	
Country:	Canada
Status:	Registered
Co Admin:	
Choice of Contact:	
Phone No Admin:	
Contaminated Facility:	
MHSW Facility:	

Detail(s)

Waste Class:	213 I
Waste Class Name:	Petroleum distillates
Waste Class:	251 L
Waste Class Name:	Waste oils/sludges (petroleum based)
Waste Class:	252 L
Waste Class Name:	Waste crankcase oils and lubricants

Site: ***RIDEAU VALLEY CONSERVATION AUTHORITY***
LOT 36, CONCESSION 2 RIDEAU TOWNSHIP ON K4M 1A5

Database: ***GEN***

Generator No:	ON1035100
SIC Code:	913150
SIC Description:	913150
Approval Years:	2014
PO Box No:	
Country:	Canada
Status:	
Co Admin:	Randy Wright
Choice of Contact:	CO_OFFICIAL
Phone No Admin:	613-489-3060 Ext.
Contaminated Facility:	No
MHSW Facility:	No

Detail(s)

Waste Class:	251
Waste Class Name:	OIL SKIMMINGS & SLUDGES
Waste Class:	252
Waste Class Name:	WASTE OILS & LUBRICANTS
Waste Class:	213
Waste Class Name:	PETROLEUM DISTILLATES
Waste Class:	211
Waste Class Name:	AROMATIC SOLVENTS

Site: ***RIDEAU VALLEY CONSERVATION AUTHORITY***
LOT 36, CONCESSION 2 RIDEAU TOWNSHIP ON K4M 1A5

Database: ***GEN***

Generator No:	ON1035100
SIC Code:	913150
SIC Description:	913150
Approval Years:	2015
PO Box No:	
Country:	Canada
Status:	
Co Admin:	Randy Wright
Choice of Contact:	CO_OFFICIAL
Phone No Admin:	613-489-3060 Ext.
Contaminated Facility:	No
MHSW Facility:	No

Detail(s)

Waste Class:	211
Waste Class Name:	AROMATIC SOLVENTS
Waste Class:	213
Waste Class Name:	PETROLEUM DISTILLATES
Waste Class:	252
Waste Class Name:	WASTE OILS & LUBRICANTS
Waste Class:	251
Waste Class Name:	OIL SKIMMINGS & SLUDGES

Site: ***RIDEAU VALLEY CONSERVATION AUTHORITY***
LOT 36, CONCESSION 2 RIDEAU TOWNSHIP ON K4M 1A5

Database: ***GEN***

Generator No:	ON1035100
SIC Code:	913150

SIC Description:	913150
Approval Years:	2016
PO Box No:	
Country:	Canada
Status:	
Co Admin:	Randy Wright
Choice of Contact:	CO_OFFICIAL
Phone No Admin:	613-489-3060 Ext.
Contaminated Facility:	No
MHSW Facility:	No

Detail(s)

Waste Class:	252
Waste Class Name:	WASTE OILS & LUBRICANTS
Waste Class:	213
Waste Class Name:	PETROLEUM DISTILLATES
Waste Class:	211
Waste Class Name:	AROMATIC SOLVENTS
Waste Class:	251
Waste Class Name:	OIL SKIMMINGS & SLUDGES

Site: ***RIDEAU VALLEY CONSERVATION AUTHORITY***
LOT 36, CONCESSION 2 RIDEAU TOWNSHIP ON

Database: ***GEN***

Generator No:	ON1035100
SIC Code:	913150
SIC Description:	
Approval Years:	2013
PO Box No:	
Country:	
Status:	
Co Admin:	
Choice of Contact:	
Phone No Admin:	
Contaminated Facility:	
MHSW Facility:	

Detail(s)

Waste Class:	213
Waste Class Name:	PETROLEUM DISTILLATES
Waste Class:	252
Waste Class Name:	WASTE OILS & LUBRICANTS
Waste Class:	211
Waste Class Name:	AROMATIC SOLVENTS

Site: ***RIDEAU VALLEY CONSERVATION AUTHORITY***
LOT 36, CONCESSION 2 RIDEAU TOWNSHIP ON

Database: ***GEN***

Generator No:	ON1035100
SIC Code:	913150
SIC Description:	Municipal Regulatory Services
Approval Years:	2012
PO Box No:	
Country:	
Status:	
Co Admin:	
Choice of Contact:	
Phone No Admin:	
Contaminated Facility:	

MHSW Facility:

Detail(s)

Waste Class: 211
Waste Class Name: AROMATIC SOLVENTS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Site: ***RIDEAU VALLEY CONSERVATION AUTHORITY***
LOT 36, CONCESSION 2 RIDEAU TOWNSHIP ON K4M 1A5

Database: ***GEN***

Generator No: ON1035100
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213 I
Waste Class Name: Petroleum distillates

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

Waste Class: 252 L
Waste Class Name: Waste crankcase oils and lubricants

Site: ***RIDEAU VALLEY CONSERVATION AUTHORITY***
LOT 36, CONCESSION 2 RIDEAU TOWNSHIP ON K4M 1A5

Database: ***GEN***

Generator No: ON1035100
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 252 L
Waste Class Name: Waste crankcase oils and lubricants

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

Waste Class: 213 I

Waste Class Name: Petroleum distillates

Site: ***RIDEAU VALLEY CONSERVATION AUTHORITY***
LOT 36, CONCESSION 2 RIDEAU TOWNSHIP ON K4M 1A5

Database: ***GEN***

Generator No: ON1035100
SIC Code:
SIC Description:
Approval Years: As of Oct 2022
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 212 L
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 251 L
Waste Class Name: OIL SKIMMINGS & SLUDGES

Waste Class: 213 I
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 252 L
Waste Class Name: WASTE OILS & LUBRICANTS

Site: ***RIDEAU VALLEY CONSERVATION AUTHOR***
CONC. 2, LOT 36 RIDEAU TWP. ON

Database: ***GEN***

Generator No: ON1035100
SIC Code: 8264
SIC Description: REC./CULTURE ADMIN.
Approval Years: 92,93,97,98
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Site: ***RIDEAU VALLEY CONSERVATION AUTHORITY***
LOT 36, CONCESSION 2 RIDEAU TOWNSHIP ON

Database: ***GEN***

Generator No: ON1035100
SIC Code: 8264
SIC Description: REC./CULTURE ADMIN.
Approval Years: 99,00,01,02,03,04,05,06,07,08
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 211
Waste Class Name: AROMATIC SOLVENTS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Site: ***RIDEAU VALLEY CONSERVATION AUTHORITY***
LOT 36, CONCESSION 2 RIDEAU TOWNSHIP ON

Database: ***GEN***

Generator No: ON1035100
SIC Code: 913150
SIC Description: Municipal Regulatory Services
Approval Years: 2009
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 211
Waste Class Name: AROMATIC SOLVENTS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Site: ***RIDEAU VALLEY CONSERVATION AUTHORITY***
LOT 36, CONCESSION 2 RIDEAU TOWNSHIP ON

Database: ***GEN***

Generator No: ON1035100
SIC Code: 913150
SIC Description: Municipal Regulatory Services
Approval Years: 2010
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class:	211
Waste Class Name:	AROMATIC SOLVENTS
Waste Class:	252
Waste Class Name:	WASTE OILS & LUBRICANTS

Site: ***RIDEAU VALLEY CONSERVATION AUTHORITY***
LOT 36, CONCESSION 2 RIDEAU TOWNSHIP ON

Database: ***GEN***

Generator No:	ON1035100
SIC Code:	913150
SIC Description:	Municipal Regulatory Services
Approval Years:	2011
PO Box No:	
Country:	
Status:	
Co Admin:	
Choice of Contact:	
Phone No Admin:	
Contaminated Facility:	
MHSW Facility:	

Detail(s)

Waste Class:	211
Waste Class Name:	AROMATIC SOLVENTS
Waste Class:	252
Waste Class Name:	WASTE OILS & LUBRICANTS
Waste Class:	213
Waste Class Name:	PETROLEUM DISTILLATES

Site:
Highway 416, mile marker 41, 1 km south of Dilworth Rd. exit. Ottawa OTTAWA ON

Database: ***SPL***

Ref No:	1-1SXFWC	***Municipality No:***	
Year:		***Nature of Damage:***	
Incident Dt:	5/12/2022 2:00:36 PM	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	5/12/2022 9:09:29 PM	***Health/Env Conseq:***	0 No Impact
Dt Document Closed:	6/1/2022 8:53:06 AM	***Agency Involved:***	

Site No:	
MOE Response:	Desktop Response
Site County/District:	
Site Geo Ref Meth:	
Site District Office:	Ottawa District Office
Nearest Watercourse:	
Site Name:	
Site Address:	Highway 416, mile marker 41, 1 km south of Dilworth Rd. exit. Ottawa
Site Region:	
Site Municipality:	OTTAWA
Site Lot:	
Site Conc:	
Site Geo Ref Accu:	
Site Map Datum:	
Northing:	
Easting:	
Incident Cause:	
Incident Event:	Accident/Collision
Environment Impact:	1 Minor Impact
Nature of Impact:	
Contaminant Qty:	20 litre (L); 20 litre (L)
System Facility Address:	
Client Name:	
Client Type:	

Source Type:	Truck - Transport/Hauling
Contaminant Code:	
Contaminant Name:	MOTOR OIL; DIESEL FUEL
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	Land
Incident Reason:	Unknown
Incident Summary:	TT MVA: Hwy 416 Ottawa - 20 L oil / 20 L diesel to ditch, contained
Activity Preceding Spill:	Transportation
Property 2nd Watershed:	Lower Ottawa
Property Tertiary Watershed:	02LA-Rideau
Sector Type:	GENERAL FREIGHT TRUCKING, LONG DISTANCE, TRUCK-LOAD
SAC Action Class:	
Call Report Locatn Geodata:	{"integration_ids":["PR00004321552"],"wkts":["POINT (-75.6486173634 45.0871852011)"],"creation_date":"2022-05-12"}

Site: ***CONSTRUCTION COMPANY***
REGION RD #13, BAXTER CONSERVATION AREA TRANSPORT TRUCK (CARGO) RIDEAU TOWNSHIP ON

Database: ***SPL***

Ref No:	66774	***Municipality No:***	20612
Year:		***Nature of Damage:***	
Incident Dt:	2/6/1992	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	2/6/1992	***Health/Env Conseq:***	
Dt Document Closed:		***Agency Involved:***	

Site No:	
MOE Response:	
Site County/District:	
Site Geo Ref Meth:	
Site District Office:	
Nearest Watercourse:	
Site Name:	
Site Address:	
Site Region:	
Site Municipality:	RIDEAU TOWNSHIP
Site Lot:	
Site Conc:	
Site Geo Ref Accu:	
Site Map Datum:	
Northing:	
Easting:	
Incident Cause:	OTHER CONTAINER LEAK
Incident Event:	
Environment Impact:	CONFIRMED
Nature of Impact:	Soil Contamination
Contaminant Qty:	
System Facility Address:	
Client Name:	
Client Type:	
Source Type:	
Contaminant Code:	
Contaminant Name:	
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	LAND
Incident Reason:	WELD/SEAM FAILURE
Incident Summary:	CLOUTIER CONSTRUCTION LTD-22L DIESEL FUEL TO GRAVEL ON SIDE ROAD.
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	
SAC Action Class:	
Call Report Locatn Geodata:	

Site:
lot 36 ON

Database:
WWIS

Well ID:	1105865	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	01/25/1995
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	096476	***Contractor:***	1582
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	ALGOMA
Elevatn Reliabilty:		***Lot:***	036
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:	KARS TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10005771	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	09/21/1994	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
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:			

Overburden and Bedrock Materials Interval

Formation ID:	930924235
Layer:	4
Color:	7
General Color:	RED
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	105.0
Formation End Depth:	185.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930924236
Layer:	5
Color:	4

General Color: GREEN
Mat1: 22
Most Common Material: GREENSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 185.0
Formation End Depth: 225.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930924233
Layer: 2
Color: 7
General Color: RED
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 18
Mat2 Desc: SANDSTONE
Mat3: 17
Mat3 Desc: SHALE
Formation Top Depth: 15.0
Formation End Depth: 93.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930924232
Layer: 1
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2: 05
Mat2 Desc: CLAY
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 0.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930924237
Layer: 6
Color: 7
General Color: RED
Mat1: 18
Most Common Material: SANDSTONE
Mat2: 17
Mat2 Desc: SHALE
Mat3:
Mat3 Desc:
Formation Top Depth: 225.0
Formation End Depth: 245.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	930924234
Layer:	3
Color:	1
General Color:	WHITE
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	93.0
Formation End Depth:	105.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961105865
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10554341
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930008149
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22.0
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:	991105865
Pump Set At:	
Static Level:	18.0
Final Level After Pumping:	
Recommended Pump Depth:	150.0
Pumping Rate:	2.0
Flowing Rate:	
Recommended Pump Rate:	2.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933431343
Layer:	1

Kind Code:	1
Kind:	FRESH
Water Found Depth:	93.0
Water Found Depth UOM:	ft

Site:
lot 35 ON

Database:
WWIS

Well ID:	1104166	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	11/19/1987
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	15181	***Contractor:***	4536
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	ALGOMA
Elevatn Reliabilty:		***Lot:***	035
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:	KARS TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10004102	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10/30/1987	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
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:			

Overburden and Bedrock Materials Interval

Formation ID:	930917874
Layer:	5
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	14.0
Formation End Depth:	29.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	930917870
Layer:	1
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	5.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930917873
Layer:	4
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	14.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930917871
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	5.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930917872
Layer:	3
Color:	
General Color:	
Mat1:	13
Most Common Material:	BOULDERS
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930917875
Layer:	6
Color:	
General Color:	
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	29.0
Formation End Depth:	260.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961104166
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10552672
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930005764
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	260.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930005763
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	38.0
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:	991104166
Pump Set At:	
Static Level:	26.0
Final Level After Pumping:	

Recommended Pump Depth:	200.0
Pumping Rate:	3.0
Flowing Rate:	
Recommended Pump Rate:	3.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933429628
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	260.0
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

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2023

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Mar 2022

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Oct 31, 2023

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2022

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-Oct 31, 2023

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 -Nov 2023

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Mar 2024

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 - Mar 31, 2024

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Aug 2023

Delisted Fuel Tanks: Provincial DTNK

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

Government Publication Date: Oct 2023

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-Feb 29, 2024

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 - Mar 31, 2024

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-Feb 29, 2024

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-Dec 31, 2023

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2022

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

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-Mar 2024

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2019

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

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

Government Publication Date: Oct 31, 2021

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2021

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 in 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: 31 Oct, 2023

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 31, 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 2024

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, 2022

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-Nov 2023

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory 1993-2020: Federal NPR2

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

Government Publication Date: Sep 2020

National Pollutant Release Inventory - Historic: Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances. This data holds historic records; current records are found in NPR2.

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Feb 29, 2024

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Aug 2023

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994 - Mar 31, 2024

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-Feb 29, 2024

NPRI Reporters - PFAS Substances: Federal PFCH

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

Government Publication Date: Sep 2020

Potential PFAS Handers from NPRI: Federal PFHA

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

Government Publication Date: Sep 2020

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing 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 - Mar 31, 2024

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-1990, 1992-2021

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up. RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004-Mar 2024

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Oct 31, 2023

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Jan 2023; Mar 2023-Dec 2023

Wastewater Discharger Registration Database: Provincial SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation, Mining, Petroleum Refining, Organic Chemicals, Inorganic Chemicals, Pulp & Paper, Metal Casting, Iron & Steel, and Quarries.

Government Publication Date: 1990-Dec 31, 2021

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970 - Apr 2023

Variances 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-Feb 29, 2024

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Mar 31 2023

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Appendix E
FOI Requests

ENGLOBE

Mackenzie Beisheim

From: Public Information Services <publicinformationservices@tssa.org>
Sent: May 10, 2024 8:23 AM
To: Mackenzie Beisheim
Subject: RE: TSSA Record Request - 2095 Dilworth Road, Ottawa, ON

You don't often get email from publicinformationservices@tssa.org. Learn why this is important

ATTENTION: Assurez-vous que le contenu soit de confiance avant d'ouvrir une pièce jointe ou un hyperlien.
CAUTION: Do not click on links or open attachments you do not trust.

NO RECORD FOUND IN CURRENT DATABASE

Hello,

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

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

This is not a confirmation that there are no records in the archives. For a further search in our archives, please go to the **TSSA Client Portal** to complete an Application for Release of Public Information.

Please refer to How to Submit a Public Information Request (tssa.org) for instructions.

The associated fee must be paid via credit card (Visa or MasterCard).

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

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

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

Kind regards,

Kimberly Gage | Public Information & Records Agent
Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3348 | Fax: +1 416-734-3568 | E-Mail: kgage@tssa.org
www.tssa.org

Winner of 2024 5-Star Safety Cultures Award

From: Mackenzie Beisheim <Mackenzie.Beisheim@englobecorp.com>
Sent: Thursday, May 9, 2024 5:36 PM
To: Public Information Services <publicinformationservices@tssa.org>
Cc: Andrew Couturier <Andrew.Couturier@englobecorp.com>; Salim Eid <Salim.Eid@englobecorp.com>
Subject: TSSA Record Request - 2095 Dilworth Road, Ottawa, ON

[CAUTION]: This email originated outside the organisation.
Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Hello,

Can you please provide information regarding any available TSSA records (storage tanks, spills, orders, records, etc.) for the following properties?

- 7408 Third Line Road S, Ottawa, Ontario
- 7416 Third Line Road S, Ottawa, Ontario
- 7420 Third Line Road S, Ottawa, Ontario
- 2052 Dilworth Road, Ottawa, Ontario
- 2064 Dilworth Road, Ottawa, Ontario
- 7338 Third Line Road S, Ottawa, Ontario

Thank you,

Mackenzie Beisheim
Engineering Intern
T 1.877.300.4800 | M 1.343.598.8744

ENGLOBE
2713 Lancaster Road, Unit 101, Ottawa, ON K1B 5R6
englobecorp.com

AVERTISSEMENT : Le présent courriel et tous les documents qui y sont annexés sont confidentiels et peuvent être assujettis au secret professionnel. Si vous recevez ce courriel par erreur, veuillez nous en informer immédiatement et le détruire intégralement. **NOTICE**: This email and any files transmitted with it are confidential and can be subject to professional secrecy. If you have received this email in error or are not the intended recipient, please notify us immediately and delete it in its entirety.

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

Ministry of the Environment, Conservation and Parks

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

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

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

Ontario

May 14, 2024

Mackenzie Beisheim
Englobe Corporation
101 - 2713 Lancaster
Ottawa, Ontario K1B 5R6
mackenzie.beisheim@englobecorp.com

Dear Mackenzie Beisheim:

RE: **MECP FOI A-2024-03091 / Your Reference 02101208.000 – Acknowledgement Letter**

The Ministry is in receipt of your request made pursuant to the Freedom of Information and Protection of Privacy Act.

The search will be conducted on the following: 2095 Dilworth Road, Ottawa. If there is any discrepancy, please contact us immediately.

Please note the file number that has been assigned to your request. This number should be referred to in all future communications with our office.

If you have any questions, please contact Lia Delange at lia.delange@ontario.ca.

Yours truly,

Lia Delange
MECP Access and Privacy Office

Ministry of the Environment, Conservation and Parks

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

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

Direction des services ministériels
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May 14, 2024

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Englobe Corporation
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Ottawa, Ontario K1B 5R6
mackenzie.beisheim@englobecorp.com

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If you have any questions, please contact Lia Delange at lia.delange@ontario.ca.

Yours truly,

Lia Delange
MECP Access and Privacy Office