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

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Submitted to:

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

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

September 4, 2024
Project: 100011.082

GEMTEC Consulting Engineers and Scientists Limited
32 Steacie Drive
Ottawa, ON, Canada
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September 4, 2024 File: 100011.082

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

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

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

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

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EXECUTIVE SUMMARY

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

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

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

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

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

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

APEC 2 – Presence of Aboveground Storage Tanks

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

APEC 3 – Bulk Salt Storage

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

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

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

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1.0 INTRODUCTION

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

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

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

Table 1.1: Current Site and Adjacent Property Land Uses

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

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

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

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

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

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

1.1 Site Information

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

Table 1.2: Legal Description and Site Information

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

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

2.0 SCOPE OF THE INVESTIGATION

2.1 General Objectives

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

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

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

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

2.2 Records Review

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

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

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

2.3 Interview

The objective of the interview was to assist in the identification of potentially contaminating activities (PCAs) that may have led to APECs at the Site. Mr. Dave Beveridge, Site contact, and Mr. Simon Miller, Site owner, were interviewed in person on March 20, 2024.

2.4 Site Reconnaissance

The Site was visually assessed to document current conditions and to evaluate the potential for environmental impacts to on-Site soil and groundwater. The Site was also inspected to identify if

any possible preferential pathways such as underground utilities exist on the Site that may affect the fate, transport, and distribution of contaminants. Adjacent and neighbouring properties within the Phase One Study Area were assessed from publicly accessible boundaries to evaluate the potential for environmental impacts to the Site.

3.0 RECORDS REVIEW

3.1 General

3.1.1 Phase One Study Area Determination

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

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

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

3.1.2 First Developed Use Determination

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

3.1.3 Chain of Title

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

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

The PIN for the Site is:

- 03909-0149 (LT)

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

3.1.4 Fire Insurance Plans and Reports

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

3.1.5 Historical Reports

No environmental reports were available to GEMTEC for review.

3.2 Environmental Source and Regulatory Information

3.2.1 ERIS Database Report

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

Table 3.1: Summary of ERIS report

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

Note:
EASR – Environmental Activity and Sector Registry

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

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

3.2.2 City Directory

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

3.2.3 Technical Safety and Standards Association

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

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

3.2.4 Freedom of Information (FOI)

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

3.2.5 Historic Land Use Inventory

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

3.2.6 Mapping of Federally Contaminated Sites

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

3.2.7 Ontario Inventory of PCB Storage Sites

The Waste Management Branch of the MECP published a report titled “Ontario Inventory of PCB Storage Sites” in October 1991. The publication includes information of PCB storage sites collected under O.Reg 11/82 through MECP district and regional offices. The database did not identify any PCB storage sites located on the Site or within the Phase One Study Area.

3.2.8 Landfills

Golder Associates Ltd. published an Old Landfill Management Strategy – Phase 1 - Identification of Sites, City of Ottawa, Ontario dated October 2004. The publication includes information to identify old landfill sites for potential environmental considerations within the

boundary of the amalgamated City of Ottawa. The database did not identify any landfills on the Site or the Phase One Study Area.

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

3.3 Physical Setting Sources

3.3.1 Aerial Photographs

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

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

Table 3.2: Summary of aerial photograph review

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

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

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

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

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

3.3.2 Topography and Hydrogeology

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

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

3.3.2.1 Surficial and Bedrock Geology

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

3.3.3 Fill Materials

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

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

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

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

3.3.4 Waterbodies and Areas of Natural Significance

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

3.3.5 Well Records

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

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

4.0 INTERVIEW

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

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

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

4.1 Assessment and Evaluation of Interview

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

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

5.0 SITE RECONNAISSANCE

5.1 General Requirements

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

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

5.2 Site Photographs

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

Table 5.1: Summary of Site photographs

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

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

5.3 Specific Observations at Site

5.3.1 On-Site Structures

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

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

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

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

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

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

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

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

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

5.3.2 Observations

The following observations were made for the Site:

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

Table 5.2: Summary of ASTs

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

5.3.3 Site Services

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

5.3.4 Unidentified Substances

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

5.3.5 Odours

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

5.3.6 Enhanced Investigation Property

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

5.4 Specific Observations within the Phase One Study Area

5.4.1 Surrounding Properties

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

Table 5.3: Summary of Surrounding Properties

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

5.4.2 Water, Wastewater and Storm Water

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

5.4.3 Pits, Ponds, and Lagoons

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

5.4.4 Stained Materials and Stressed Vegetation

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

5.4.5 Watercourses, Ditches or Standing Water

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

5.5 Site Reconnaissance Limitations

No limitations were noted at the time of Site reconnaissance.

6.0 REVIEW AND EVALUATION OF INFORMATION

6.1 Current and Past Uses

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

6.2 Potentially Contaminating Activities

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

Table 6.1: Summary of Potentially Contaminating Activities

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

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

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

6.3 Areas of Potential Environmental Concern

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

Table 6.2: Areas of Potential Environmental Concern

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

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

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

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

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

APEC 2 – Presence of ASTs

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

APEC 3 – Bulk Salt Storage

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

6.3.1 Discussion of Uncertainty

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

6.4 Phase One Conceptual Site Model

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

Table 6.3: Summary of Conceptual Site Model Figures

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

6.4.1 Site Description

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

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

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

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

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

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

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

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

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

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

6.4.2 Current and Proposed Future Site Use

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

6.4.3 Topography, Hydrology and Geology

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

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

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

6.4.4 Waterbodies and Areas of Natural and Scientific Interest

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

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

6.4.5 Well Records

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

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

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

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

Table 6.4: Summary of Potentially Contaminating Activities

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

Notes:

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

6.4.7 Subsurface Structures and Utilities

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

6.4.8 Areas of Potential Environmental Concern (APECs)

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

Table 6.5: Areas of Potential Environmental Concern

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

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

VOC – Volatile Organic Compounds
PAH – Polycyclic Aromatic Hydrocarbons

6.4.9 Contaminants of Potential Concern (COPCs)

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

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

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

APEC 2 – Presence of ASTs

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

APEC 3 – Bulk Salt Storage

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

6.4.10 Uncertainty and Absence of Information

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

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 Need for a Phase Two ESA

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

8.0 REFERENCES

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9.0 LIMITATIONS OF LIABILITY

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

The results of this Phase One ESA should in no way be construed as a warranty that the Site is free from any and all contaminants other than those noted in this report, nor that all compliance issues have been addressed.

This report was prepared for the exclusive use of the Owners of 6158 Rideau Valley Drive and is based on data and information collected during the Phase One ESA of the property conducted by GEMTEC. This report may not be relied upon by any other person or entity without the express written consent of GEMTEC and the Owners of 6158 Rideau Valley Drive. In evaluating this Site, GEMTEC has relied in good faith on information provided by others. We accept no responsibility for any deficiencies or inaccuracies in this report as a result of omissions, misinterpretations, or fraudulent acts of others.

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

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

10.0 CLOSURE

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

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

Sincerely,

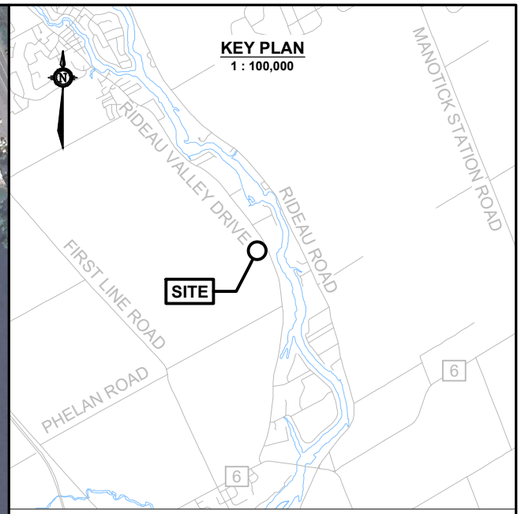
Mohit Bhargav, M.Sc.E., EIT
Environmental Scientist

Nicole Soucy, M.A.Sc., P.Eng, QP_{ESA}
Environmental Engineer

MB/NS

APPENDIX A

Figures



LEGEND

- APPROXIMATE SITE BOUNDARY
- STUDY AREA (250 m RADIUS AROUND THE SITE BOUNDARY)
- WATERCOURSE

GENERAL NOTE(S)

1. Coordinate system: NAD83, UTM ZONE 18N
2. Distances, elevations, and coordinates are shown in metres unless denoted otherwise
3. This drawing is a schematic representation and should not be taken as a substitute for a legal survey.
4. Maps Data: Google, @2024 CNES / Airbus, First Base Solutions, Maxar Technologies
5. Contains information licensed under the Open Government Licence – Ontario
6. Geographic dataset source: Ontario GeoHub

SCALE 1:3,500

0 120 240m

DRAWING
SITE AND PHASE ONE STUDY AREA

CLIENT
NOVATECH ENGINEERS, PLANNERS & LANDSCAPE ARCHITECTS

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

DRAWN BY	CHECKED BY
S.L.	N.S.
PROJECT NO.	REVISION NO.
100011.082	0
DATE	FIGURE NO.
APRIL 2024	**FIGURE A.1**

GEMTEC
Consulting Engineers and Scientists
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Ottawa, ON, K2K 2A9
Tel: (613) 836-1422
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ottawa@gemtec.ca

N:\PROJECTS\100000\100011.082\06_CIVIL_DRAFTING\DESIGN\ESA ONE R0\100011.082_ESA_ONE_R0_2024_04.DWG

LEGEND

APPROXIMATE SITE BOUNDARY

WATERCOURSE

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

GENERAL NOTE(S)

1. Coordinate system: NAD83, UTM ZONE 18N
2. Distances, elevations, and coordinates are shown in metres unless denoted otherwise
3. This drawing is a schematic representation and should not be taken as a substitute for a legal survey.
4. Maps Data: Google, @2024 CNES / Airbus, First Base Solutions, Maxar Technologies
5. Contains information licensed under the Open Government Licence – Ontario
6. Geographic dataset source: Ontario GeoHub

SCALE 1:1,500

0 30 60 90m

DRAWING
SITE FEATURE

CLIENT
NOVATECH ENGINEERS, PLANNERS & LANDSCAPE ARCHITECTS

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

DRAWN BY	CHECKED BY
S.L.	N.S.
PROJECT NO.	REVISION NO.
100011.082	0
DATE	FIGURE NO.
APRIL 2024	**FIGURE A.2**

GEMTEC
Consulting Engineers and Scientists
32 Steacie Drive
Ottawa, ON, K2K 2A9
Tel: (613) 836-1422
www.gemtec.ca
ottawa@gemtec.ca

N:\PROJECTS\100000\100011.082\06_CIVIL DRAFTING\DESIGN\ESA ONE R0\100011.082_ESA_ONE_R0_2024_04.DWG

LEGEND

APPROXIMATE SITE BOUNDARY

WATERCOURSE

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

GENERAL NOTE(S)

1. Coordinate system: NAD83, UTM ZONE 18N
2. Distances, elevations, and coordinates are shown in metres unless denoted otherwise
3. This drawing is a schematic representation and should not be taken as a substitute for a legal survey.
4. Maps Data: Google, @2024 CNES / Airbus, First Base Solutions, Maxar Technologies
5. Contains information licensed under the Open Government Licence – Ontario
6. Geographic dataset source: Ontario GeoHub

SCALE 1:1,500

0 30 60 90m

DRAWING
POTENTIALLY CONTAMINATING ACTIVITIES

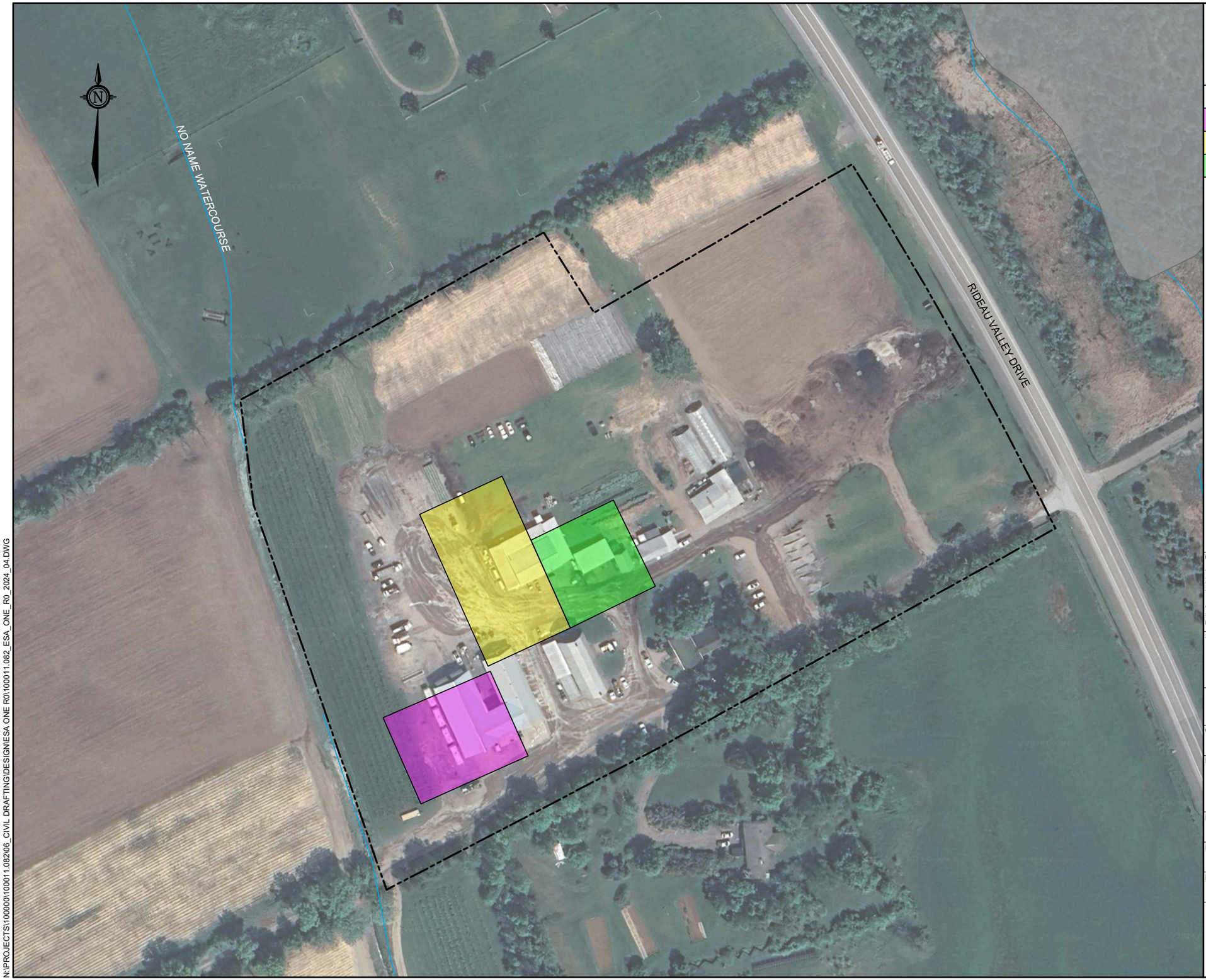
CLIENT
NOVATECH ENGINEERS, PLANNERS & LANDSCAPE ARCHITECTS

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

DRAWN BY	CHECKED BY
S.L.	N.S.
PROJECT NO.	REVISION NO.
100011.082	0
DATE	FIGURE NO.
APRIL 2024	**FIGURE A.3**

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

N:\PROJECTS\100000\100011.082\06_CIVIL DRAFTING\DESIGN\ESA ONE R0\100011.082_ESA_ONE_R0_2024_04.DWG



LEGEND

APPROXIMATE SITE BOUNDARY

WATERCOURSE

APEC ID	DESCRIPTION
1	PRESENCE OF OIL WATER SEPARATOR AND GENERAL MAINTENANCE OF FARM EQUIPMENT AT STRUCTURE 7
2	PRESENCE OF ASTS
3	BULK SALT STORAGE

GENERAL NOTE(S)

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

SCALE 1:1,500

0 30 60 90m

DRAWING
AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

CLIENT
NOVATECH ENGINEERS, PLANNERS & LANDSCAPE ARCHITECTS

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

DRAWN BY	CHECKED BY
S.L.	N.S.
PROJECT NO.	REVISION NO.
100011.082	0
DATE	FIGURE NO.
APRIL 2024	**FIGURE A.4**

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32 Steacie Drive
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LEGEND

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

GENERAL NOTE(S)

1. Coordinate system: NAD83, UTM ZONE 18N
2. Distances, elevations, and coordinates are shown in metres unless denoted otherwise
3. This drawing is a schematic representation and should not be taken as a substitute for a legal survey.
4. Maps Data: Google, @2024 CNES / Airbus, First Base Solutions, Maxar Technologies
5. Contains information licensed under the Open Government Licence – Ontario
6. Geographic dataset source: Ontario GeoHub

SCALE 1:3,500

0 120 240m

DRAWING
TOPOGRAPHIC MAP AND MECP WATER WELLS

CLIENT
NOVATECH ENGINEERS, PLANNERS & LANDSCAPE ARCHITECTS

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

DRAWN BY	CHECKED BY
S.L.	N.S.
PROJECT NO.	REVISION NO.
100011.082	0
DATE	FIGURE NO.
APRIL 2024	**FIGURE A.5**

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Consulting Engineers and Scientists
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APPENDIX B

Qualification of Assessors

GEMTEC Consulting Engineers and Scientists Limited
32 Steacie Drive 613.836.1422
Ottawa, ON, Canada ottawa@gemtec.ca
K2K 2A9 www.gemtec.ca

QUALIFICATION OF ASSESSORS

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

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

Nicole Soucy, M.Sc., P.Eng., QP_{ESA}– Environmental Engineer

The APU was carried out under the supervision of Ms. Nicole Soucy, M.A.Sc., P.Eng., a registered Professional Engineer in the Province of Ontario and Qualified Person ESA (QP_{ESA}) under Ontario Regulation 153/04 and 406/19. Ms. Soucy has a Master of Applied Science with specialization in Environmental Engineering and vapour intrusion. Ms. Soucy's formal education and experience working in environmental consulting has provided her with the knowledge and expertise to identify sources of environmental concern and evaluate their potential to cause adverse environmental impacts.

APPENDIX C

Chain of Title

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

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

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

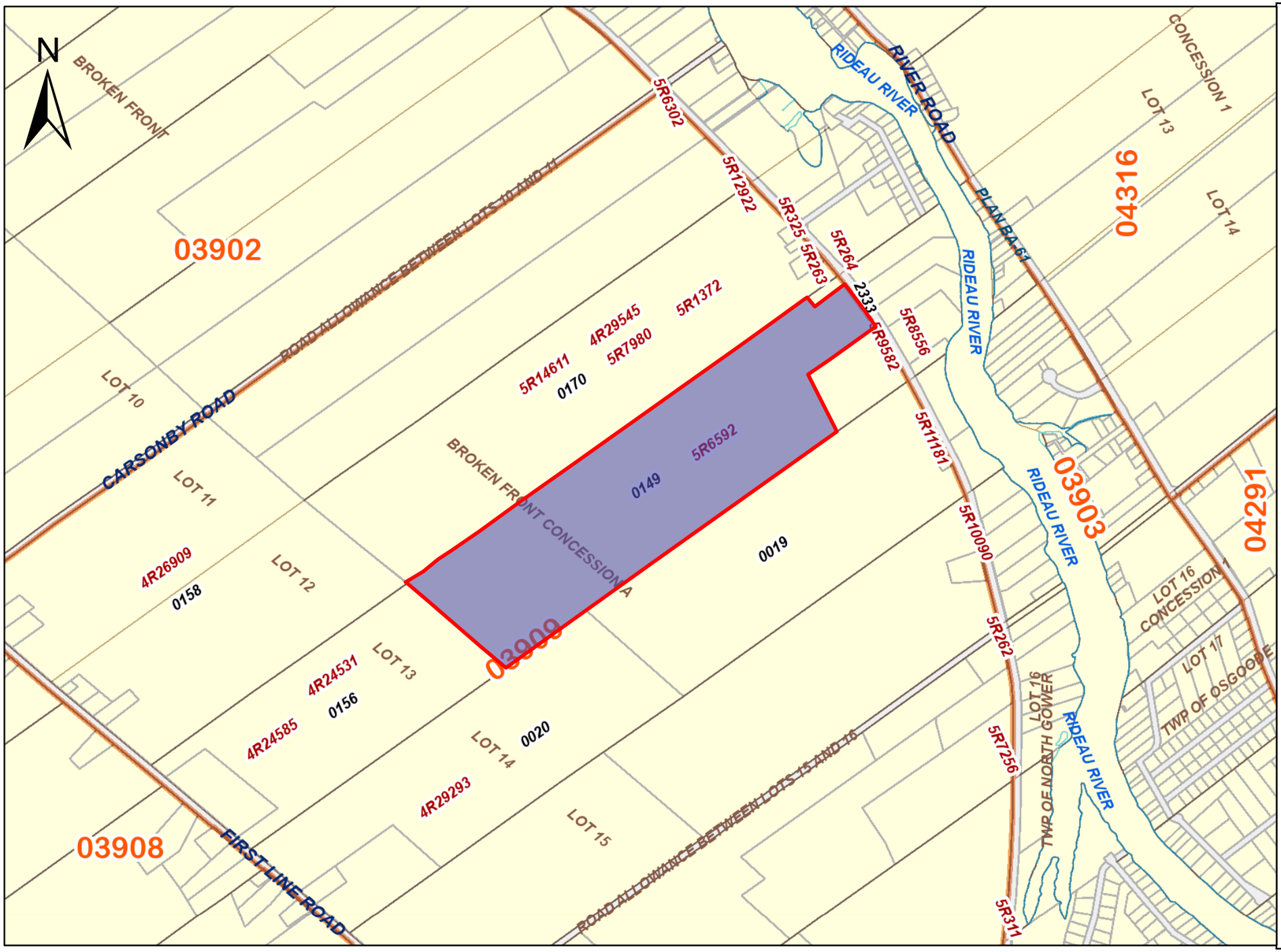
RECENTLY:
DIVISION FROM 03909-0016

PIN CREATION DATE:
2003/11/25

OWNERS' NAMES | CAPACITY | SHARE
MILLER, RONALD | JTEN
MILLER, SUZANNE | JTEN

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

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



ServiceOntario

PRINTED ON 08 JAN, 2024 AT 13:34:07
FOR EEGOOLAB

SCALE

0 120 240 360 480 600 720
meters

PROPERTY INDEX MAP

OTTAWA-CARLETON(No. 04)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

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APPENDIX D

Fire Insurance Plans and Reports

opta
INFORMATION INTELLIGENCE

enviroscan

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 1 877 244 9437
W: optaintel.ca

Midori

Site Address:

6158 Rideau Valley Drive, Manotick, ON

Project No:

23121400291

Opta Order ID:

138243

Requested by:

Eleanor Goolab
ERIS

Date Completed:

12/20/2023 11:31:45 PM

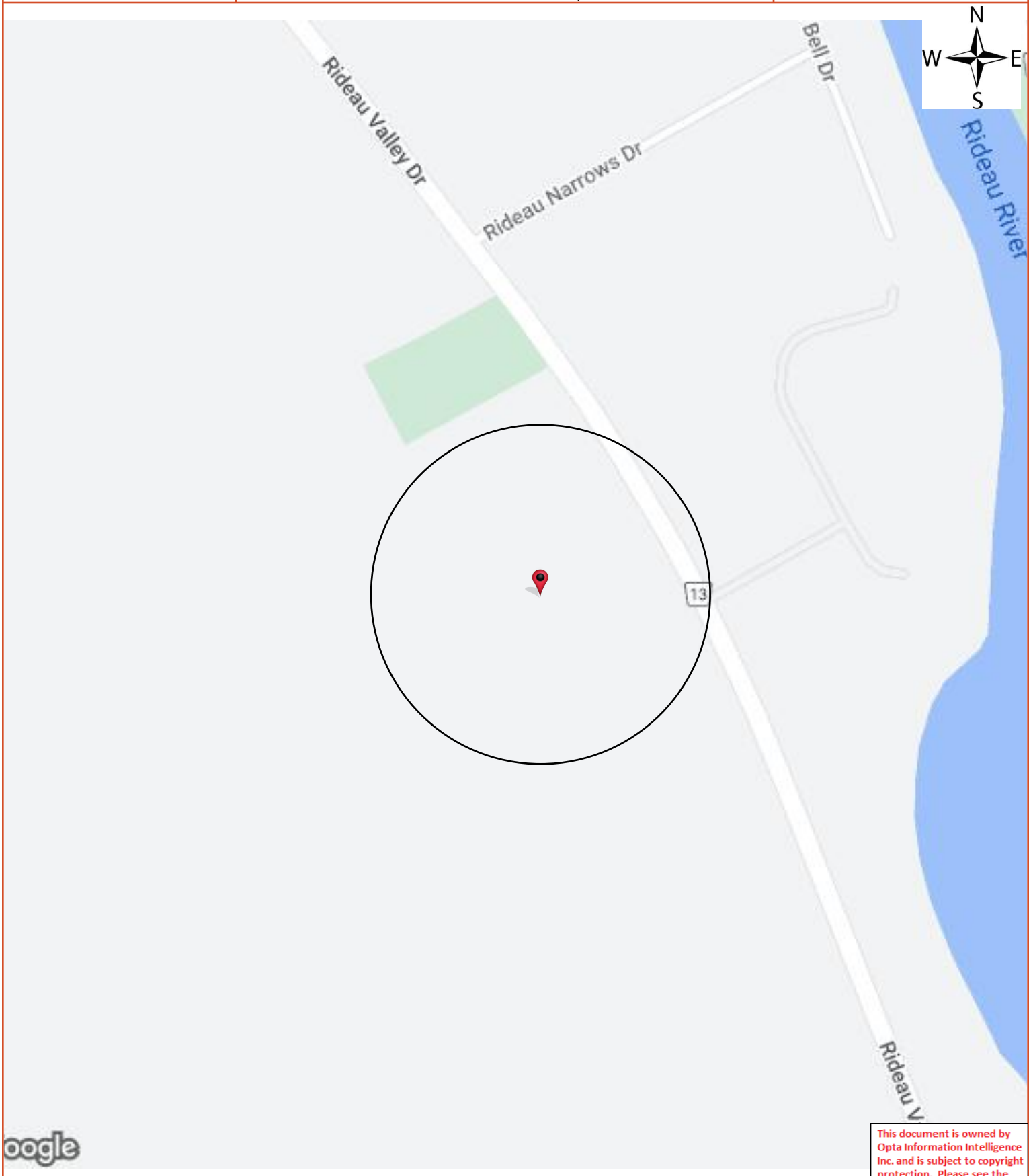
Project Name: Phase One Environmental Site Assessment
6158 Rideau Valley Drive
Project #: 23121400291
P.O. #: 100011.082

ENVIROSCAN Report

Search Area: 6158 Rideau Valley Drive, Manotick, ON

Requested by:
Eleanor Goolab
Date Completed: 12/20/2023 23:31:45

enviroscan
OPTA INFORMATION INTELLIGENCE



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Opta Historical Environmental Services Enviroscan™ Terms and Conditions

Report

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

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

Entire Agreement

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

Governing Document

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

Law

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

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

ENVIROSCAN Report

No Records Found

Requested by:
Eleanor Goolab
Date Completed: 12/20/2023 23:31:45

OPTA INFORMATION INTELLIGENCE

No Records Found

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APPENDIX E

ERIS Report

DATABASE REPORT

Project Property:	*Phase One Environmental Site Assessment - 6158 Rideau Valley Drive* *6158 Rideau Valley Dr* *Manotick ON K4M 1B3*
Project No:	*100011.082*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*23121400291*
Requested by:	*GEMTEC Consulting Engineers and Scientists Limited (Ontario)*
Date Completed:	*December 19, 2023*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

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Executive Summary

Property Information:

Project Property:	*Phase One Environmental Site Assessment - 6158 Rideau Valley Drive* *6158 Rideau Valley Dr Manotick ON K4M 1B3*
Project No:	*100011.082*

Order Information:

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

Historical/Products:

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

Executive Summary: Report Summary

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	5	5
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	1	0	1
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	0	0
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	0	0
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	8	17	25

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
Total:			9	22	31

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EASR	MILLERS TRUCKING AND EXCAVATION LTD.	6158 Rideau Valley DR N Manotick ON K4M 1B3	WSW/0.0	-0.88	18
2	WWIS		6158 RIDEAU VALLEY DRIVE NORTH lot 6 con A MANOTICK ON ***Well ID:*** 1536170	WSW/0.0	-2.00	18
3	WWIS		6158 RIDEAU VALLEY DR lot 3 con A ON ***Well ID:*** 1536171	ENE/0.0	-2.00	20
4	WWIS		lot 13 con A ON ***Well ID:*** 1521734	WSW/0.0	-1.00	27
4	WWIS		lot 13 con A ON ***Well ID:*** 1522072	WSW/0.0	-1.00	30
4	WWIS		lot 13 con A ON ***Well ID:*** 1525070	WSW/0.0	-1.00	34
4	WWIS		lot 13 con A ON ***Well ID:*** 1526270	WSW/0.0	-1.00	38
4	WWIS		lot 13 con A ON ***Well ID:*** 1527456	WSW/0.0	-1.00	41

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
4	WWIS		lot 13 con A ON ***Well ID:*** 1529962	WSW/0.0	-1.00	46

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
5	WWIS		6168 BIDEAU VALLEY DR MANOTICK ON ***Well ID:*** 7189206	ENE/69.2	-2.00	50
6	BORE		ON	NE/84.6	-2.00	52
7	BORE		ON	SW/109.3	-2.69	53
8	WWIS		lot 12 ON ***Well ID:*** 1513228	NE/170.3	-1.00	55
9	WWIS		lot 14 con A ON ***Well ID:*** 1532322	SW/188.3	-3.00	59
10	WWIS		lot 14 con A ON ***Well ID:*** 1530270	SW/190.0	-3.00	63
10	WWIS		lot 14 con A ON ***Well ID:*** 1518861	SW/190.0	-3.00	67
10	WWIS		lot 14 con A ON ***Well ID:*** 1523401	SW/190.0	-3.00	71
11	BORE		ON	ENE/190.6	-6.05	75
12	WWIS		lot 12 con A ON ***Well ID:*** 1530223	W/206.0	3.00	76
12	WWIS		lot 12 con A ON ***Well ID:*** 1518857	W/206.0	3.00	80
12	WWIS		lot 12 con A ON	W/206.0	3.00	84

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1519757			
12	WWIS		lot 12 con A ON ***Well ID:*** 1524763	W/206.0	3.00	88
12	WWIS		lot 12 con A ON ***Well ID:*** 1524899	W/206.0	3.00	92
12	WWIS		lot 12 con A ON ***Well ID:*** 1525180	W/206.0	3.00	96
12	WWIS		lot 12 con A ON ***Well ID:*** 1528164	W/206.0	3.00	100
13	WWIS		lot 12 con A ON ***Well ID:*** 1533585	W/209.2	3.00	103
14	WWIS		lot 12 ON ***Well ID:*** 1528576	NE/210.5	-1.00	107
15	WWIS		lot 12 ON ***Well ID:*** 1531416	NE/213.0	-1.00	111
16	BORE		ON	E/222.9	-2.00	115
17	WWIS		lot 14 ON ***Well ID:*** 1506568	E/223.0	-2.00	117
18	BORE		ON	ENE/227.4	-6.05	120

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 5 BORE site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	84.6	6
	ON	109.3	7
	ON	190.6	11
	ON	222.9	16
	ON	227.4	18

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011- Oct 31, 2023 has found that there are 1 EASR site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
MILLERS TRUCKING AND EXCAVATION LTD.	6158 Rideau Valley DR N Manotick ON K4M 1B3	0.0	1

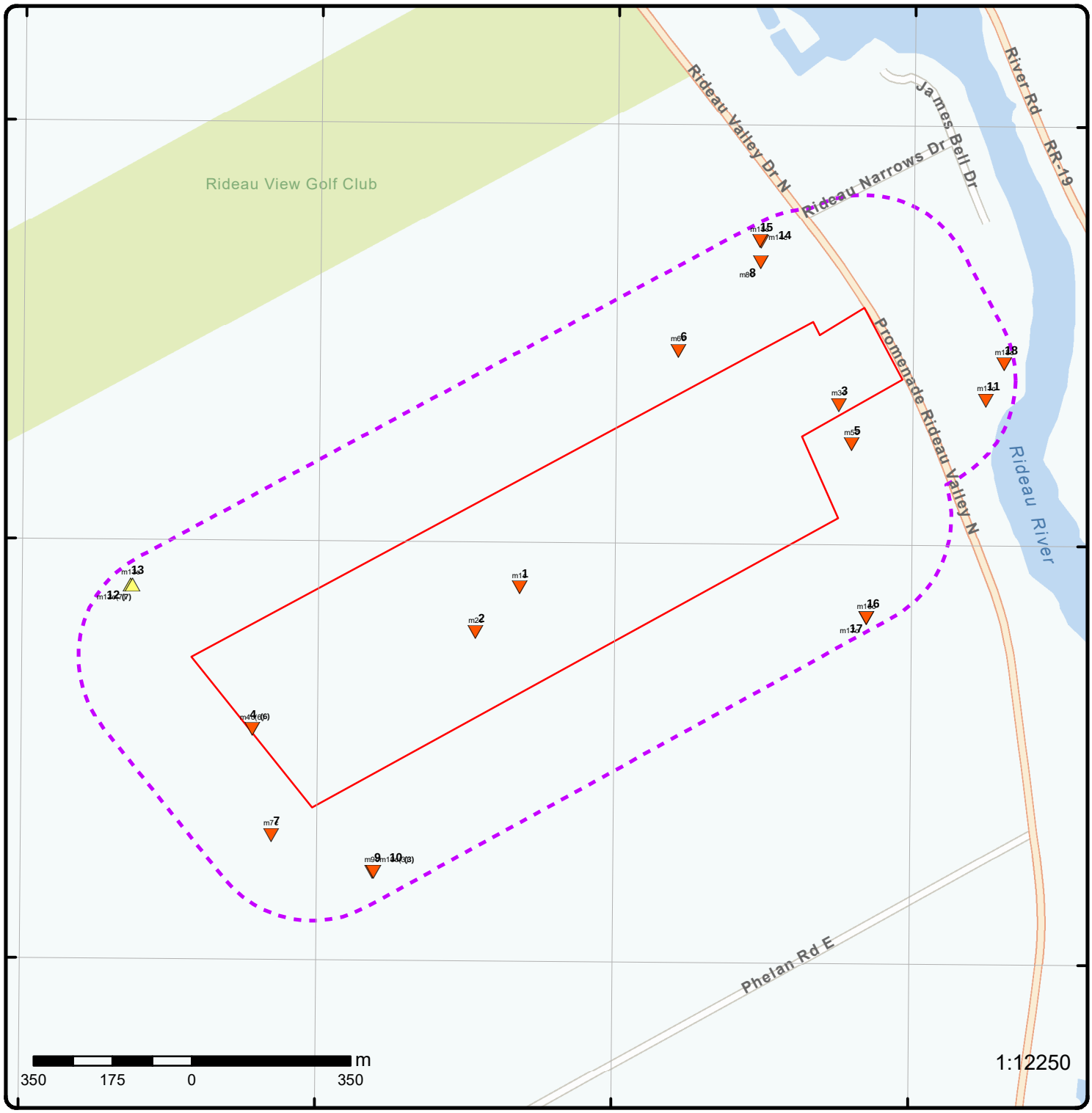
WWIS - Water Well Information System

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

Site	Address	Distance (m)	Map Key
	6158 RIDEAU VALLEY DRIVE NORTH lot 6 con A MANOTICK ON ***Well ID:*** 1536170	0.0	2
	6158 RIDEAU VALLEY DR lot 3 con A ON ***Well ID:*** 1536171	0.0	3
	lot 13 con A ON ***Well ID:*** 1529962	0.0	4
	lot 13 con A ON ***Well ID:*** 1527456	0.0	4
	lot 13 con A ON ***Well ID:*** 1526270	0.0	4
	lot 13 con A ON ***Well ID:*** 1525070	0.0	4
	lot 13 con A ON ***Well ID:*** 1522072	0.0	4
	lot 13 con A ON ***Well ID:*** 1521734	0.0	4
	6168 BIDEAU VALLEY DR MANOTICK ON ***Well ID:*** 7189206	69.2	5
	lot 12 ON ***Well ID:*** 1513228	170.3	8
	lot 14 con A ON ***Well ID:*** 1532322	188.3	9
	lot 14 con A ON	190.0	10

Site	Address	Distance (m)	Map Key
	Well ID: 1530270		
	lot 14 con A ON ***Well ID:*** 1518861	190.0	10
	lot 14 con A ON ***Well ID:*** 1523401	190.0	10
	lot 12 con A ON ***Well ID:*** 1530223	206.0	12
	lot 12 con A ON ***Well ID:*** 1518857	206.0	12
	lot 12 con A ON ***Well ID:*** 1519757	206.0	12
	lot 12 con A ON ***Well ID:*** 1524763	206.0	12
	lot 12 con A ON ***Well ID:*** 1524899	206.0	12
	lot 12 con A ON ***Well ID:*** 1525180	206.0	12
	lot 12 con A ON ***Well ID:*** 1528164	206.0	12
	lot 12 con A ON ***Well ID:*** 1533585	209.2	13
	lot 12 ON ***Well ID:*** 1528576	210.5	14

Site	Address	Distance (m)	Map Key
	lot 12 ON ***Well ID:*** 1531416	213.0	15
	lot 14 ON ***Well ID:*** 1506568	223.0	17



Map: 0.25 Kilometer Radius

Order Number: 23121400291

Address: 6158 Rideau Valley Dr, Manotick, 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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Aerial

Year: 2023

Order Number: 23121400291

Address: 6158 Rideau Valley Dr, Manotick, ON

Source: ESRI World Imagery

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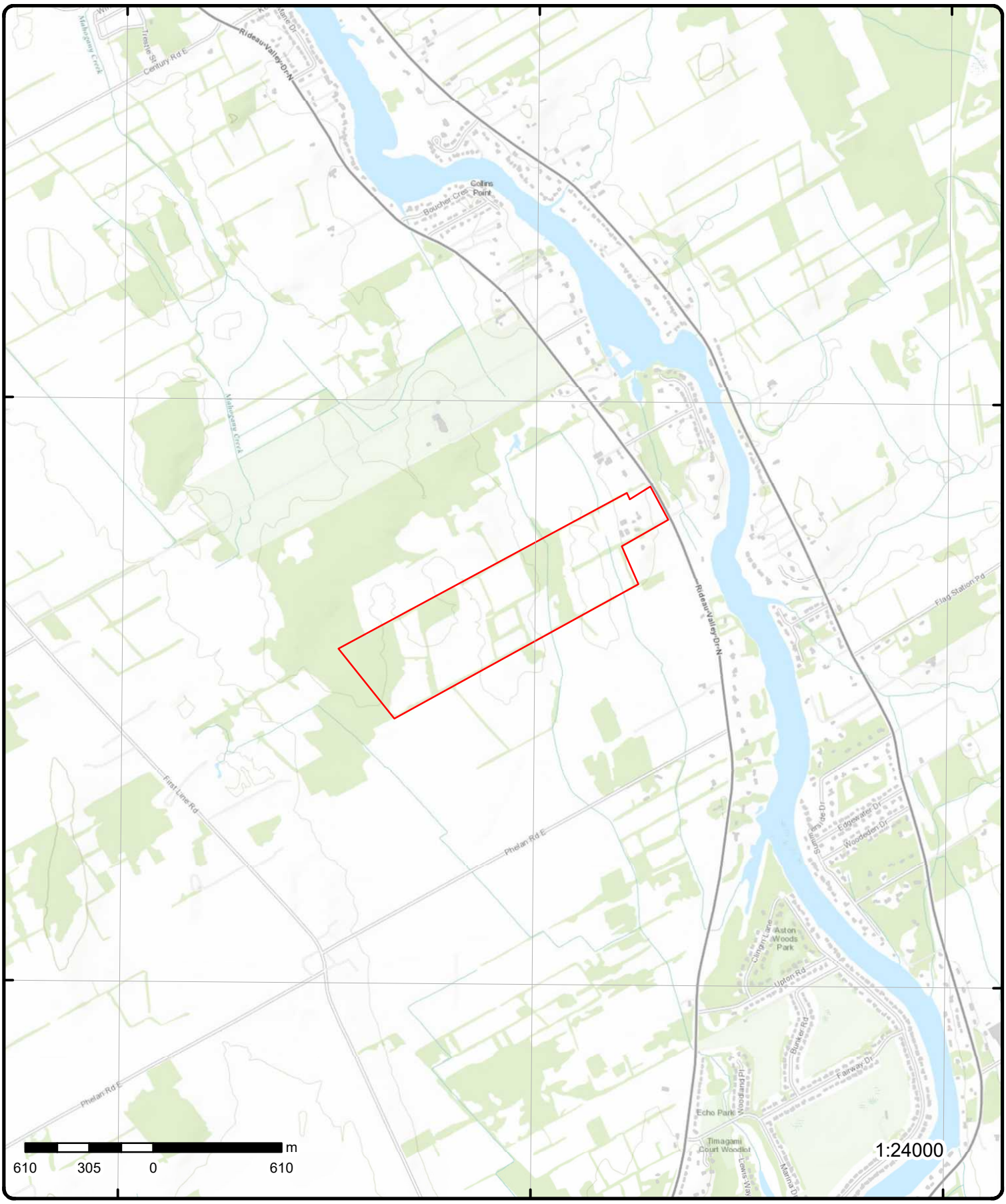

Topographic Map

Address: 6158 Rideau Valley Dr, ON

Source: ESRI World Topographic Map

Order Number: 23121400291

ERIS

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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	WSW/0.0	91.0 / -0.88	MILLERS TRUCKING AND EXCAVATION LTD. 6158 Rideau Valley DR N Manotick ON K4M 1B3	EASR

Approval No:	R-004-4112754100	**MOE District:**	Ottawa
Status:	REGISTERED	**Municipality:**	Manotick
Date:	2020-12-16	**Latitude:**	45.19111111
Record Type:	EASR	**Longitude:**	-75.65194444
Link Source:	MOFA	**Geometry X:**	
Project Type:	Waste Management System	**Geometry Y:**	
Full Address:			
Approval Type:	EASR-Waste Management System		
SWP Area Name:	Rideau Valley		
PDF URL:			
PDF Site Location:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	WSW/0.0	89.9 / -2.00	6158 RIDEAU VALLEY DRIVE NORTH lot 6 con A MANOTICK ON	WWIS

Well ID:	1536170	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:		**Date Received:**	01/13/2006
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	Yes
Audit No:	Z39219	**Contractor:**	1558
Tag:		**Form Version:**	3
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	006
Depth to Bedrock:		**Concession:**	A
Well Depth:		**Concession Name:**	BF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536170.pdf

Additional Detail(s) (Map)

Well Completed Date:	11/20/2005
Year Completed:	2005
Depth (m):	
Latitude:	45.1948544215201
Longitude:	-75.6386565859005
Path:	153\1536170.pdf

Bore Hole Information

Bore Hole ID:	11550236	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	449835.00
Code OB Desc:		**North83:**	5004795.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	11/20/2005	**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:			

Annular Space/Abandonment Sealing Record

Plug ID:	933294852
Layer:	2
Plug From:	2.130000114440918
Plug To:	0.30000001192092896
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933294851
Layer:	1
Plug From:	19.5
Plug To:	2.130000114440918
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	961536170
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	11559843
Casing No:	1
Comment:	
Alt Name:	

Links

Bore Hole ID:	11550236	**Tag No:**	
Depth M:		**Contractor:**	1558
Year Completed:	2005	**Latitude:**	45.1948544215201
Well Completed Dt:	11/20/2005	**Longitude:**	-75.6386565859005
Audit No:	Z39219	**Y:**	45.19485441473414
Path:	153\1536170.pdf	**X:**	-75.63865642490836

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

Well ID:	1536171	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	01/13/2006
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z39206	**Contractor:**	1558
Tag:	A025676	**Form Version:**	3
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	003
Depth to Bedrock:		**Concession:**	A
Well Depth:		**Concession Name:**	
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\1536171.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID:	11550237	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	449435.00
Code OB Desc:		**North83:**	5004753.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	11/20/2005	**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: 933055857
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND

Mat2: 02
Mat2 Desc: TOPSOIL
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 0.0
Formation End Depth: 3.6500000953674316
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 933055860
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 27.700000762939453
Formation End Depth: 75.58000183105469
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 933055858
Layer: 2
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 3.6500000953674316
Formation End Depth: 6.699999809265137
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 933055859
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 6.699999809265137
Formation End Depth: 27.700000762939453
Formation End Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 961536171
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 11559844
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930880738
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 0.44999998807907104
Depth To: 28.639999389648438
Casing Diameter: 15.859999656677246
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Casing

Casing ID: 930880739
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 28.639999389648438
Depth To: 75.58000183105469
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 11569327
Pump Set At: 45.93000030517578
Static Level: 9.069999694824219
Final Level After Pumping: 15.970000267028809
Recommended Pump Depth: 30.469999313354492
Pumping Rate: 45.5
Flowing Rate:
Recommended Pump Rate: 45.5
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:
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 11619541
Test Type: Recovery
Test Duration: 1
Test Level: 13.40999984741211

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619552
Test Type: Draw Down
Test Duration: 15
Test Level: 14.789999961853027
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619559
Test Type: Recovery
Test Duration: 30
Test Level: 9.130000114440918
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619549
Test Type: Recovery
Test Duration: 5
Test Level: 9.5600004196167
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619560
Test Type: Draw Down
Test Duration: 40
Test Level: 15.720000267028809
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619543
Test Type: Recovery
Test Duration: 2
Test Level: 11.619999885559082
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619561
Test Type: Recovery
Test Duration: 40
Test Level: 9.119999885559082
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619562
Test Type: Draw Down
Test Duration: 50
Test Level: 15.859999656677246
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11581639
Test Type: Recovery
Test Duration: 60
Test Level: 9.119999885559082
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619546
Test Type: Draw Down
Test Duration: 4
Test Level: 13.029999732971191
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619547
Test Type: Recovery
Test Duration: 4
Test Level: 9.850000381469727
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619548
Test Type: Draw Down
Test Duration: 5
Test Level: 13.029999732971191
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619544
Test Type: Draw Down
Test Duration: 3
Test Level: 62.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619554
Test Type: Draw Down
Test Duration: 20
Test Level: 15.15999984741211
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619542
Test Type: Draw Down
Test Duration: 2
Test Level: 11.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619550
Test Type: Draw Down
Test Duration: 10

Test Level: 14.140000343322754
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619551
Test Type: Recovery
Test Duration: 10
Test Level: 9.1899995803833
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619555
Test Type: Recovery
Test Duration: 20
Test Level: 9.140000343322754
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619557
Test Type: Recovery
Test Duration: 25
Test Level: 9.140000343322754
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619558
Test Type: Draw Down
Test Duration: 30
Test Level: 15.539999961853027
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619563
Test Type: Recovery
Test Duration: 50
Test Level: 9.119999885559082
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11581638
Test Type: Draw Down
Test Duration: 60
Test Level: 15.970000267028809
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11619553
Test Type: Recovery
Test Duration: 15
Test Level: 9.15999984741211
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:	11619556
Test Type:	Draw Down
Test Duration:	25
Test Level:	15.369999885559082
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11619540
Test Type:	Draw Down
Test Duration:	1
Test Level:	10.789999961853027
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11619545
Test Type:	Recovery
Test Duration:	3
Test Level:	10.420000076293945
Test Level UOM:	m

Water Details

Water ID:	934072069
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	20.709999084472656
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	11680888
Diameter:	15.069999694824219
Depth From:	28.639999389648438
Depth To:	75.58000183105469
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	11680887
Diameter:	22.75
Depth From:	0.0
Depth To:	28.639999389648438
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	11550237	***Tag No:***	A025676
Depth M:	75.58	***Contractor:***	1558
Year Completed:	2005	***Latitude:***	45.1944477882825
Well Completed Dt:	11/20/2005	***Longitude:***	-75.6437444498891
Audit No:	Z39206	***Y:***	45.194447781057704
Path:	153\1536171.pdf	***X:***	-75.64374428878864

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

Well ID:	1521734	**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:**	08/14/1987
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	08600	**Contractor:**	3644
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	013
Depth to Bedrock:		**Concession:**	A
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\1521734.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID:	10043551	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	448139.30
Code OB Desc:		**North83:**	5004037.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	07/29/1987	**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: 931048957
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: 35.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931048960
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 49.0
Formation End Depth: 125.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931048959
Layer: 3
Color: 2
General Color: GREY
Mat1: 26
Most Common Material: ROCK
Mat2: 71
Mat2 Desc: FRACTURED
Mat3:
Mat3 Desc:
Formation Top Depth: 46.0
Formation End Depth: 49.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931048958
Layer: 2
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 35.0
Formation End Depth: 46.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521734
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10592121
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930076094
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 52.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930076095
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 125.0
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: 991521734
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 120.0
Recommended Pump Depth: 120.0
Pumping Rate: 5.0
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: 934652866
Test Type:
Test Duration: 45
Test Level: 120.0

Test Level UOM: ft

Draw Down & Recovery

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

Draw Down & Recovery

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

Draw Down & Recovery

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

Water Details

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

Water Details

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

Links

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	2 of 6	WSW/0.0	90.9 / -1.00	lot 13 con A ON	WWIS

Well ID:	1522072	**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:**	01/12/1988
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	08619	**Contractor:**	3644
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	013
Depth to Bedrock:		**Concession:**	A
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\1522072.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

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

Overburden and Bedrock Materials Interval

Formation ID:	931050166
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	23.0
Formation End Depth:	65.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931050167
Layer:	3
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	65.0
Formation End Depth:	75.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931050168
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	75.0
Formation End Depth:	255.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931050169
Layer:	5
Color:	1
General Color:	WHITE
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 255.0
Formation End Depth: 275.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961522072
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10592455
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930076702
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 78.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930076703
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 275.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991522072
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 40.0
Recommended Pump Depth: 40.0
Pumping Rate: 100.0
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:	934654004
Test Type:	
Test Duration:	45
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934108767
Test Type:	
Test Duration:	15
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934392871
Test Type:	
Test Duration:	30
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934902277
Test Type:	
Test Duration:	60
Test Level:	40.0
Test Level UOM:	ft

Water Details

Water ID:	933479829
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	271.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10043885	**Tag No:**	
Depth M:	83.82	**Contractor:**	3644
Year Completed:	1987	**Latitude:**	45.1879088888346
Well Completed Dt:	08/11/1987	**Longitude:**	-75.6601644464699
Audit No:	08619	**Y:**	45.18790888190751
Path:	152\1522072.pdf	**X:**	-75.66016428445259

4	3 of 6	WSW/0.0	90.9 / -1.00	lot 13 con A ON	WWIS

Well ID:	1525070	**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:**	11/16/1990
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	89852	**Contractor:**	1558
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	013
Depth to Bedrock:		**Concession:**	A
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\1525070.pdf

Additional Detail(s) (Map)

Well Completed Date: 10/09/1990
Year Completed: 1990
Depth (m): 60.96
Latitude: 45.1879088888346
Longitude: -75.6601644464699
Path: 152\1525070.pdf

Bore Hole Information

Bore Hole ID:	10046812	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	448139.30
Code OB Desc:		**North83:**	5004037.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	10/09/1990	**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: 931059974
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
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: 931059976
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: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059977
Layer: 4
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 50.0
Formation End Depth: 61.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059978
Layer: 5
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 61.0
Formation End Depth: 200.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059975
Layer: 2
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN

Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	6.0
Formation End Depth:	16.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961525070
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10595382
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930081991
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	200.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930081990
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	64.0
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:	991525070
Pump Set At:	
Static Level:	25.0
Final Level After Pumping:	70.0
Recommended Pump Depth:	100.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR

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

Draw Down & Recovery

Pump Test Detail ID:	934904636
Test Type:	Draw Down
Test Duration:	60
Test Level:	70.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934655844
Test Type:	Draw Down
Test Duration:	45
Test Level:	70.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934111078
Test Type:	Draw Down
Test Duration:	15
Test Level:	70.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934386485
Test Type:	Draw Down
Test Duration:	30
Test Level:	70.0
Test Level UOM:	ft

Water Details

Water ID:	933483931
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	193.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10046812	**Tag No:**	
Depth M:	60.96	**Contractor:**	1558
Year Completed:	1990	**Latitude:**	45.1879088888346
Well Completed Dt:	10/09/1990	**Longitude:**	-75.6601644464699
Audit No:	89852	**Y:**	45.18790888190751
Path:	152\1525070.pdf	**X:**	-75.66016428445259

4	***4 of 6***	***WSW/0.0***	***90.9 / -1.00***	***lot 13 con A ON***	***WWIS***

Well ID:	1526270	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	

Use 1st:	Commerical	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	06/22/1992
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	111807	**Contractor:**	3644
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	013
Depth to Bedrock:		**Concession:**	A
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\1526270.pdf

Additional Detail(s) (Map)

Well Completed Date: 06/03/1992
Year Completed: 1992
Depth (m): 85.344
Latitude: 45.1879088888346
Longitude: -75.6601644464699
Path: 152\1526270.pdf

Bore Hole Information

Bore Hole ID:	10047988	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	448139.30
Code OB Desc:		**North83:**	5004037.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	06/03/1992	**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: 931063684
Layer: 1
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0

Formation End Depth:	190.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931063685
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	18
Mat2 Desc:	SANDSTONE
Mat3:	74
Mat3 Desc:	LAYERED
Formation Top Depth:	190.0
Formation End Depth:	280.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961526270
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10596558
Casing No:	1
Comment:	
Alt Name:	

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991526270
Pump Set At:	
Static Level:	20.0
Final Level After Pumping:	150.0
Recommended Pump Depth:	150.0
Pumping Rate:	7.0
Flowing Rate:	
Recommended Pump Rate:	7.0
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:	934106839
Test Type:	
Test Duration:	15
Test Level:	150.0
Test Level UOM:	ft

Draw Down & Recovery

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

Draw Down & Recovery

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

Draw Down & Recovery

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

Water Details

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

Links

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

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4 | ***5 of 6*** | ***WSW/0.0*** | ***90.9 / -1.00*** | ***lot 13 con A ON*** | ***WWIS***

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

Additional Detail(s) (Map)

Well Completed Date:	09/09/1993
Year Completed:	1993
Depth (m):	111.252
Latitude:	45.1879088888346
Longitude:	-75.6601644464699
Path:	152\1527456.pdf

Bore Hole Information

Bore Hole ID:	10049101	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	448139.30
Code OB Desc:		**North83:**	5004037.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	09/09/1993	**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:	931066715
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	5.0
Formation End Depth:	18.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931066719
Layer:	6
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE

Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 230.0
Formation End Depth: 365.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931066718
Layer: 5
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 88.0
Formation End Depth: 230.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931066714
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931066716
Layer: 3
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 18.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931066717
Layer:	4
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	60.0
Formation End Depth:	88.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933112470
Layer:	1
Plug From:	0.0
Plug To:	89.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961527456
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10597671
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930085744
Layer:	4
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	365.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930085743
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	300.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Draw Down & Recovery

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

Draw Down & Recovery

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

Draw Down & Recovery

Pump Test Detail ID: 934110704
Test Type: Draw Down
Test Duration: 15
Test Level: 360.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934654845
Test Type: Draw Down
Test Duration: 45
Test Level: 150.0
Test Level UOM: ft

Water Details

Water ID: 933486916
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 194.0
Water Found Depth UOM: ft

Links

Bore Hole ID:	10049101	**Tag No:**	
Depth M:	111.252	**Contractor:**	1558
Year Completed:	1993	**Latitude:**	45.1879088888346
Well Completed Dt:	09/09/1993	**Longitude:**	-75.6601644464699
Audit No:	135984	**Y:**	45.18790888190751
Path:	152\1527456.pdf	**X:**	-75.66016428445259

4 | **6 of 6** | **WSW/0.0** | **90.9 / -1.00** | **lot 13 con A ON** | **WWIS**

Well ID:	1529962	**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:**	03/04/1998
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	183466	**Contractor:**	1119
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	013
Depth to Bedrock:		**Concession:**	A
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\1529962.pdf

Additional Detail(s) (Map)

Well Completed Date:	12/08/1997
Year Completed:	1997
Depth (m):	43.2816
Latitude:	45.1879088888346
Longitude:	-75.6601644464699
Path:	152\1529962.pdf

Bore Hole Information

Bore Hole ID:	10051497	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	448139.30
Code OB Desc:		**North83:**	5004037.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	12/08/1997	**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:	931074044
Layer:	2
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	4.0
Formation End Depth:	62.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931074043
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	4.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931074045
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	62.0
Formation End Depth:	142.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933115059
Layer:	1
Plug From:	2.0
Plug To:	67.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961529962
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10600067
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930089720
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	67.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930089721
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	142.0
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:	991529962
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	120.0
Recommended Pump Depth:	100.0
Pumping Rate:	21.0
Flowing Rate:	
Recommended Pump Rate:	21.0
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:	934117188
Test Type:	Recovery
Test Duration:	15
Test Level:	10.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934909863
Test Type:	Recovery
Test Duration:	60
Test Level:	10.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934661324
Test Type:	Recovery
Test Duration:	45
Test Level:	10.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934391745
Test Type:	Recovery
Test Duration:	30
Test Level:	10.0
Test Level UOM:	ft

Water Details

Water ID:	933489946
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	120.0
Water Found Depth UOM:	ft

Water Details

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

Links

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

5 ***1 of 1*** ***ENE/69.2*** ***89.9 / -2.00*** ***6168 BIDEAU VALLEY DR MANOTICK ON*** ***WWIS***

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/718\7189206.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID:	1004174649	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	449463.00
Code OB Desc:		***North83:***	5004665.00
Open Hole:		***Org CS:***	UTM83

Cluster Kind:
Date Completed: 09/21/2012
Remarks:
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Method of Construction & Well Use

Method Construction ID: 1004474897
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1004474890
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004474894
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1004474895
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1004474893
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID:	1004474892
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Links

Bore Hole ID:	1004174649	**Tag No:**	A094199
Depth M:		**Contractor:**	6364
Year Completed:	2012	**Latitude:**	45.1936577043558
Well Completed Dt:	09/21/2012	**Longitude:**	-75.6433790781567
Audit No:	Z153113	**Y:**	45.19365769648631
Path:	718\7189206.pdf	**X:**	-75.6433789172001

6 ***1 of 1*** ***NE/84.6*** ***89.9 / -2.00*** ***ON*** ***BORE***

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

Borehole Geology Stratum

Geology Stratum ID:	218388878	**Mat Consistency:**	
Top Depth:	3.4	**Material Moisture:**	
Bottom Depth:	9.8	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Gravel	**Geologic Formation:**	
Material 2:	Boulders	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL,BOULDERS.		

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

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

Geology Stratum ID: 218388876
Top Depth: 0
Bottom Depth: 2.4
Material Color:
Material 1: Clay
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218388877
Top Depth: 2.4
Bottom Depth: 3.4
Material Color:
Material 1: Sand
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SAND.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: M
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 041720 NTS_Sheet: 31G04G
Confiden 1: Reliable information but incomplete.

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

Source List

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

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

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7 **1 of 1** **SW/109.3** **89.2 / -2.69** **ON** **BORE**

Borehole ID: 611639
OGF ID: 215512956
Status:
Type: Borehole
Use:
Completion Date:
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: -999
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 85.8
Elev Reliabil Note:
DEM Ground Elev m: 89.2

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.185797
Longitude DD: -75.659612
UTM Zone: 18
Easting: 448181
Northing: 5003802
Location Accuracy:
Accuracy: Not Applicable

Concession:
Location D:
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID: 218388817
Top Depth: .8
Bottom Depth: 2
Material Color: Red
Material 1: Bedrock
Material 2: Shale
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: BEDROCK,SHALE. WEATHERED.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218388815
Top Depth: .2
Bottom Depth: .5
Material Color:
Material 1: Till
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: TILL. COMPACT.

Mat Consistency: Compact
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218388814
Top Depth: 0
Bottom Depth: .2
Material Color:
Material 1: Soil
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SOIL.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218388818
Top Depth: 2
Bottom Depth:
Material Color: Brown
Material 1: Bedrock
Material 2: Shale
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: BEDROCK,SHALE. N,BOULDERS. GREY. LIMESTONE. GREY. 00086. GREY,FIRM. SAND. BROWN. BED
**Note: Many records provided by the department have a truncated [Stratum Description] field.

Mat Consistency: Firm
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218388816
Top Depth: .5
Bottom Depth: .8
Material Color:
Material 1: Till
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: TILL. COMPACT.

Mat Consistency: Compact
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

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:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 041470 NTS_Sheet: 31G05B		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

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		

8 **1 of 1** **NE/170.3** **90.9 / -1.00** **lot 12 ON** **WWIS**

Well ID:	1513228	**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:**	06/14/1973
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:**	012
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	BF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NORTH GOWER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513228.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID:	10035216	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	449263.70
Code OB Desc:		**North83:**	5005068.00
Open Hole:		**Org CS:**	

Cluster Kind:		**UTMRC:**	4
Date Completed:	05/11/1973	**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:	931022748
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	58.0
Formation End Depth:	248.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022747
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:	41.0
Formation End Depth:	58.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022745
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:	11.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022746
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	11.0
Formation End Depth:	41.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961513228
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10583786
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930062408
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	248.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930062407
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	62.0
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:	991513228
Pump Set At:	
Static Level:	30.0

Final Level After Pumping:	90.0
Recommended Pump Depth:	125.0
Pumping Rate:	6.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934639051
Test Type:	Draw Down
Test Duration:	45
Test Level:	90.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934098940
Test Type:	Draw Down
Test Duration:	15
Test Level:	90.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934378053
Test Type:	Draw Down
Test Duration:	30
Test Level:	90.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934896533
Test Type:	Draw Down
Test Duration:	60
Test Level:	90.0
Test Level UOM:	ft

Water Details

Water ID:	933468734
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	190.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933468735
Layer:	2
Kind Code:	1
Kind:	FRESH

Water Found Depth: 247.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10035216
Depth M: 75.5904
Year Completed: 1973
Well Completed Dt: 05/11/1973
Audit No:
Path: 151\1513228.pdf
Tag No:
Contractor: 1558
Latitude: 45.197270804607
Longitude: -75.6459572144616
Y: 45.197270797885174
X: -75.64595705306242

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9 | **1 of 1** | **SW/188.3** | **88.9 / -3.00** | **lot 14 con A ON** | **WWIS**

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1532322.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

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

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 932832503
Layer: 5
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 203.0
Formation End Depth: 270.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932832500
Layer: 2
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 29.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932832502
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 61.0
Formation End Depth: 203.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932832499
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: 29.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932832501
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 40.0
Formation End Depth: 61.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933219770
Layer: 1
Plug From: 0.0
Plug To: 64.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961532322
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 11065342
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930094600
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:	930094599
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:	991532322
Pump Set At:	
Static Level:	47.0
Final Level After Pumping:	150.0
Recommended Pump Depth:	175.0
Pumping Rate:	10.0
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:	934918302
Test Type:	Draw Down
Test Duration:	60
Test Level:	268.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934116307
Test Type:	Draw Down
Test Duration:	15
Test Level:	150.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934399921
Test Type:	Draw Down
Test Duration:	30
Test Level:	175.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934660443
Test Type:	Draw Down

Test Duration: 45
Test Level: 250.0
Test Level UOM: ft

Water Details

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

Links

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

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10 | **1 of 3** | **SW/190.0** | **88.9 / -3.00** | **lot 14 con A ON** | **WWIS**

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1530270.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID: 10051805
DP2BR:
Spatial Status:
Elevation:
Elevrc:
Zone: 18

Code OB:		***East83:***	448407.80
Code OB Desc:		***North83:***	5003721.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10/21/1998	***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:	931075009
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	28.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075012
Layer: 4
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 78.0
Formation End Depth: 161.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115402
Layer: 1
Plug From: 0.0
Plug To: 65.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961530270
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10600375
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930090273
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 161.0
Casing Diameter: 65.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930090271
Layer: 1
Material: 4
Open Hole or Material: OPEN HOLE

Depth From:
Depth To: 65.0
Casing Diameter: 97.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930090272
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 65.0
Casing Diameter: 61.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991530270
Pump Set At:
Static Level: 30.0
Final Level After Pumping: 134.0
Recommended Pump Depth: 140.0
Pumping Rate: 20.0
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: 934117861
Test Type: Recovery
Test Duration: 15
Test Level: 45.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934392845
Test Type: Recovery
Test Duration: 30
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910962
Test Type: Recovery
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

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

Water Details

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

Links

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

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10 ***2 of 3*** ***SW/190.0*** ***88.9 / -3.00*** ***lot 14 con A ON*** ***WWIS***

Well ID:	1518861	***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:***	03/08/1984
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:***	014
Depth to Bedrock:		***Concession:***	A
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\1518861.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID:	10040731	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	448407.80
Code OB Desc:		***North83:***	5003721.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12/01/1983	***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:	931039809
Layer:	5
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	60.0
Formation End Depth:	65.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931039805
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:	6.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931039806
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28

Mat2 Desc:	SAND
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	6.0
Formation End Depth:	30.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931039807
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	12
Mat2 Desc:	STONES
Mat3:	91
Mat3 Desc:	WATER-BEARING
Formation Top Depth:	30.0
Formation End Depth:	53.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931039808
Layer:	4
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	53.0
Formation End Depth:	60.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931039810
Layer:	6
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:	65.0
Formation End Depth:	75.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961518861

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

Pipe Information

Pipe ID: 10589301
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930071114
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 67.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930071115
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To: 74.0
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: 991518861
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 10.0
Recommended Pump Depth: 45.0
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: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934103334
Test Type:
Test Duration: 15
Test Level: 10.0
Test Level UOM: ft

Draw Down & Recovery

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

Draw Down & Recovery

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

Draw Down & Recovery

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

Water Details

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

Links

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

10 ***3 of 3*** ***SW/190.0*** ***88.9 / -3.00*** ***lot 14 con A ON*** ***WWIS***

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

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1523401.pdf

Additional Detail(s) (Map)

Well Completed Date: 04/06/1989
Year Completed: 1989
Depth (m): 21.336
Latitude: 45.1850842647843
Longitude: -75.6567140757059
Path: 152\1523401.pdf

Bore Hole Information

Bore Hole ID: 10045176
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/06/1989
Remarks:
Loc Method Desc: Lot centroid
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation:
Elevrc:
Zone: 18
East83: 448407.80
North83: 5003721.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: lot

Overburden and Bedrock Materials Interval

Formation ID: 931054498
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 35.0
Formation End Depth: 68.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931054499
Layer: 4
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL

Mat2:	79
Mat2 Desc:	PACKED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	68.0
Formation End Depth:	70.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931054496
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
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:	931054497
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	5.0
Formation End Depth:	35.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961523401
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10593746
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930079049
Layer:	2
Material:	4

Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 70.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930079048
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 69.0
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: 991523401
Pump Set At:
Static Level: 20.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 40.0
Pumping Rate: 25.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934907346
Test Type: Draw Down
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934104931
Test Type: Draw Down
Test Duration: 15
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934389160
Test Type: Draw Down
Test Duration: 30
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

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

Water Details

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

Links

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

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

Borehole ID:	611660	***Inclin FLG:***	No
OGF ID:	215512976	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:		***Municipality:***	
Static Water Level:	3.0	***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.194553
Total Depth m:	-999	***Longitude DD:***	-75.639599
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	449761
Drill Method:		***Northing:***	5004762
Orig Ground Elev m:	89.9	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	86.5		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218388867	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	16.8	***Material Texture:***	
Material Color:		***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.

Geology Stratum ID: 218388868
Top Depth: 16.8
Bottom Depth:
Material Color: Blue
Material 1: Gravel
Material 2: Boulders
Material 3:
Material 4:
Gsc Material Description:
Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:
Stratum Description: GRAVEL,BOULDERS. STABLE AT 285.0 FEET.BEDROCK,LIMESTONE. BLUE. 00143. GREY. LIMESTO **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: M
Observatio:
Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 041680 NTS_Sheet: 31G04G
Confiden 1: Reliable information but incomplete.

Source List

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

12	1 of 7	W/206.0	94.9 / 3.00	lot 12 con A ON	WWIS

Well ID: 1530223
Construction Date:
Use 1st: Livestock
Use 2nd:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 194734
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NORTH GOWER TOWNSHIP
Site Info:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/15/1998
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 012
Concession: A
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1530223.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID:	10051758	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	447874.80
Code OB Desc:		***North83:***	5004356.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	09/18/1998	***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:	931074882
Layer:	2
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	14.0
Formation End Depth:	35.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

Formation ID:	931074883
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	35.0
Formation End Depth:	47.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931074884
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:	47.0
Formation End Depth:	150.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933115351
Layer:	2
Plug From:	40.0
Plug To:	51.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933115350
Layer:	1
Plug From:	0.0
Plug To:	40.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961530223
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	10600328
Casing No:	1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930090202
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	150.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930090201
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	52.0
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:	991530223
Pump Set At:	
Static Level:	14.0
Final Level After Pumping:	145.0
Recommended Pump Depth:	110.0
Pumping Rate:	10.0
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:	934661972
Test Type:	Recovery
Test Duration:	45
Test Level:	14.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934117834
Test Type:	Recovery
Test Duration:	15
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

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

Draw Down & Recovery

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

Water Details

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

Water Details

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

Water Details

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

Links

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

12	***2 of 7***	***W/206.0***	***94.9 / 3.00***	***lot 12 con A ON***	***WWIS***

Well ID:	1518857	***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:**	03/08/1984
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:**	012
Depth to Bedrock:		**Concession:**	A
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\1518857.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10589297
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930071106
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 56.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930071107
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To: 150.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991518857
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 125.0
Recommended Pump Depth: 80.0
Pumping Rate: 4.0
Flowing Rate:
Recommended Pump Rate: 4.0
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: 934900097
Test Type: Draw Down
Test Duration: 60
Test Level: 125.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934103330
Test Type: Draw Down
Test Duration: 15

Test Level: 125.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934381005
Test Type: Draw Down
Test Duration: 30
Test Level: 125.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934650981
Test Type: Draw Down
Test Duration: 45
Test Level: 125.0
Test Level UOM: ft

Water Details

Water ID: 933475678
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 70.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10040727
Depth M: 45.72
Year Completed: 1983
Well Completed Dt: 09/26/1983
Audit No:
Path: 151\1518857.pdf

Tag No:
Contractor: 1558
Latitude: 45.1907607041969
Longitude: -75.6635645553796
Y: 45.190760696840634
X: -75.66356439386303

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12 | ***3 of 7*** | ***W/206.0*** | ***94.9 / 3.00*** | ***lot 12 con A ON*** | ***WWIS***

Well ID: 1519757
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NORTH GOWER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 06/24/1985
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 012
Concession: A
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519757.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

Formation ID:	931042623
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:	15.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931042626
Layer:	4
Color:	1
General Color:	WHITE
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	270.0
Formation End Depth:	290.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961519757
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10590180
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930072664
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	290.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930072663
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	62.0
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:	991519757
Pump Set At:	
Static Level:	12.0
Final Level After Pumping:	80.0
Recommended Pump Depth:	80.0
Pumping Rate:	8.0
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:	934894698
Test Type:	
Test Duration:	60
Test Level:	80.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934384373
Test Type:	
Test Duration:	30
Test Level:	55.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934654914
Test Type:	
Test Duration:	45
Test Level:	69.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934108664
Test Type:	
Test Duration:	15

Test Level: 40.0
Test Level UOM: ft

Water Details

Water ID: 933476824
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 285.0
Water Found Depth UOM: ft

Water Details

Water ID: 933476823
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 125.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10041610
Depth M: 88.392
Year Completed: 1985
Well Completed Dt: 05/10/1985
Audit No:
Path: 151\1519757.pdf
Tag No:
Contractor: 3644
Latitude: 45.1907607041969
Longitude: -75.6635645553796
Y: 45.190760696840634
X: -75.66356439386303

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12 | **4 of 7** | **W/206.0** | **94.9 / 3.00** | **lot 12 con A ON** | **WWIS**

Well ID: 1524763
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 80279
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NORTH GOWER TOWNSHIP
Site Info:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/17/1990
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 012
Concession: A
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1524763.pdf

Additional Detail(s) (Map)

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

Longitude: -75.6635645553796
Path: 152\1524763.pdf

Bore Hole Information

Bore Hole ID: 10046510
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/04/1990
Remarks:
Loc Method Desc: Lot centroid
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 447874.80
North83: 5004356.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: lot

Overburden and Bedrock Materials Interval

Formation ID: 931059005
Layer: 4
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 65.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059004
Layer: 3
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 65.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059002
Layer: 1
Color: 6

General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
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:	931059007
Layer:	6
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	250.0
Formation End Depth:	300.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931059006
Layer:	5
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	75.0
Formation End Depth:	250.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931059003
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	6.0
Formation End Depth:	20.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961524763
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10595080
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930081426
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	78.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930081427
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	300.0
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:	991524763
Pump Set At:	
Static Level:	30.0
Final Level After Pumping:	100.0
Recommended Pump Depth:	125.0
Pumping Rate:	20.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934109948

Test Type: Draw Down
Test Duration: 15
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934385357
Test Type: Draw Down
Test Duration: 30
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934903512
Test Type: Draw Down
Test Duration: 60
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934654718
Test Type: Draw Down
Test Duration: 45
Test Level: 100.0
Test Level UOM: ft

Water Details

Water ID: 933483507
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 283.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10046510
Depth M: 91.44
Year Completed: 1990
Well Completed Dt: 07/04/1990
Audit No: 80279
Path: 152\1524763.pdf
Tag No:
Contractor: 1558
Latitude: 45.1907607041969
Longitude: -75.6635645553796
Y: 45.190760696840634
X: -75.66356439386303

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12 | ***5 of 7*** | ***W/206.0*** | ***94.9 / 3.00*** | ***lot 12 con A ON*** | ***WWIS***

Well ID: 1524899
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 56374
Tag:
Constructn Method:
Elevation (m):
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/17/1990
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON

Elevatn Reliabilty:		**Lot:**	012
Depth to Bedrock:		**Concession:**	A
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\1524899.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID:	10046642	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	447874.80
Code OB Desc:		**North83:**	5004356.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	06/01/1990	**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:	931059433
Layer:	4
Color:	1
General Color:	WHITE
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	250.0
Formation End Depth:	305.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931059430
Layer:	1

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:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931059432
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:	250.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931059431
Layer:	2
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	63.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961524899
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10595212
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID: 930081671
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 66.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930081672
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To: 305.0
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: 991524899
Pump Set At:
Static Level: 30.0
Final Level After Pumping: 200.0
Recommended Pump Depth: 200.0
Pumping Rate: 15.0
Flowing Rate:
Recommended Pump Rate: 12.0
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: 934655265
Test Type:
Test Duration: 45
Test Level: 200.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934904061
Test Type:
Test Duration: 60
Test Level: 200.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934110497

Test Type:
Test Duration: 15
Test Level: 200.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934385905
Test Type:
Test Duration: 30
Test Level: 200.0
Test Level UOM: ft

Water Details

Water ID: 933483671
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 170.0
Water Found Depth UOM: ft

Water Details

Water ID: 933483672
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 197.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10046642
Depth M: 92.964
Year Completed: 1990
Well Completed Dt: 06/01/1990
Audit No: 56374
Path: 152\1524899.pdf
Tag No:
Contractor: 3644
Latitude: 45.1907607041969
Longitude: -75.6635645553796
Y: 45.190760696840634
X: -75.66356439386303

12	6 of 7	W/206.0	94.9 / 3.00	lot 12 con A ON	WWIS

Well ID: 1525180
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 89491
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NORTH GOWER TOWNSHIP
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 12/27/1990
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 012
Concession: A
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1525180.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID: 10046921
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11/23/1990
Remarks:
Loc Method Desc: Lot centroid
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 447874.80
North83: 5004356.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: lot

Overburden and Bedrock Materials Interval

Formation ID: 931060359
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Mat2 Desc: SANDY
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 0.0
Formation End Depth: 19.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

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

Formation Top Depth:	19.0
Formation End Depth:	54.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931060361
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	54.0
Formation End Depth:	125.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961525180
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10595491
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930082172
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	125.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930082171
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	58.0
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: 991525180
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 40.0
Recommended Pump Depth: 80.0
Pumping Rate: 15.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934387005
Test Type: Draw Down
Test Duration: 30
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934656360
Test Type: Draw Down
Test Duration: 45
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111178
Test Type: Draw Down
Test Duration: 15
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934904729
Test Type: Draw Down
Test Duration: 60
Test Level: 40.0
Test Level UOM: ft

Water Details

Water ID: 933484080
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 113.0
Water Found Depth UOM: ft

Links

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

Bore Hole ID:	10046921	**Tag No:**	
Depth M:	38.1	**Contractor:**	1558
Year Completed:	1990	**Latitude:**	45.1907607041969
Well Completed Dt:	11/23/1990	**Longitude:**	-75.6635645553796
Audit No:	89491	**Y:**	45.190760696840634
Path:	152\1525180.pdf	**X:**	-75.66356439386303

12 | **7 of 7** | **W/206.0** | **94.9 / 3.00** | **lot 12 con A ON** | **WWIS**

Well ID:	1528164	**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:**	09/06/1994
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	137484	**Contractor:**	3644
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	012
Depth to Bedrock:		**Concession:**	A
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\1528164.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID:	10049703	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	447874.80
Code OB Desc:		**North83:**	5004356.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	08/23/1994	**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:	931068797
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	80.0
Formation End Depth:	143.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931068796
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	14
Mat2 Desc:	HARDPAN
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	0.0
Formation End Depth:	80.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961528164
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10598273
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930086873
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	84.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID: 930086874
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 143.0
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: 991528164
Pump Set At:
Static Level: 42.0
Final Level After Pumping: 100.0
Recommended Pump Depth: 100.0
Pumping Rate: 10.0
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: 934905349
Test Type: Recovery
Test Duration: 60
Test Level: 42.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112420
Test Type: Recovery
Test Duration: 15
Test Level: 47.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934387229
Test Type: Recovery
Test Duration: 30
Test Level: 42.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648166
Test Type: Recovery
Test Duration: 45
Test Level: 42.0
Test Level UOM: ft

Water Details

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

Links

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

13 ***1 of 1*** ***W/209.2*** ***94.9 / 3.00*** ***lot 12 con A ON*** ***WWIS***

Well ID:	1533585	***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:***	03/25/2003
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	250570	***Contractor:***	1558
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	012
Depth to Bedrock:		***Concession:***	A
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\1533585.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID:	10537419	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	447871.00
Code OB Desc:		***North83:***	5004357.00
Open Hole:		***Org CS:***	

Cluster Kind:		**UTMRC:**	7
Date Completed:	02/20/2003	**UTMRC Desc:**	margin of error : 1 km - 3 km
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:	932905278
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	2.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932905281
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	57.0
Formation End Depth:	73.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932905280
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:	20.0
Formation End Depth:	57.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932905279
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	2.0
Formation End Depth:	20.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933236153
Layer:	1
Plug From:	0.0
Plug To:	40.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961533585
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11085989
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930097265
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	63.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930097266
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: 991533585
Pump Set At:
Static Level: 4.0
Final Level After Pumping: 70.0
Recommended Pump Depth: 50.0
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: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934912993
Test Type: Draw Down
Test Duration: 60
Test Level: 70.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934395586
Test Type: Draw Down
Test Duration: 30
Test Level: 70.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934120732
Test Type: Draw Down
Test Duration: 15
Test Level: 70.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934664866
Test Type: Draw Down
Test Duration: 45
Test Level: 70.0
Test Level UOM: ft

Water Details

Water ID: 934030904
Layer: 1
Kind Code: 5
Kind: Not stated

Water Found Depth: 68.0
Water Found Depth UOM: ft

Links

Bore Hole ID:	10537419	**Tag No:**	
Depth M:	22.2504	**Contractor:**	1558
Year Completed:	2003	**Latitude:**	45.1907694241583
Well Completed Dt:	02/20/2003	**Longitude:**	-75.6636130315117
Audit No:	250570	**Y:**	45.19076941697204
Path:	153\1533585.pdf	**X:**	-75.66361287053223

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14 | **1 of 1** | **NE/210.5** | **90.9 / -1.00** | **lot 12 ON** | **WWIS**

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1528576.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

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

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Mat1: 11
Most Common Material: GRAVEL
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 48.0
Formation End Depth: 56.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931070084
Layer: 5
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 56.0
Formation End Depth: 180.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113486
Layer: 1
Plug From: 0.0
Plug To: 59.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528576
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10598682
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087590
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 60.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID:	930087591
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	180.0
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:	991528576
Pump Set At:	
Static Level:	19.0
Final Level After Pumping:	50.0
Recommended Pump Depth:	100.0
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:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934906480
Test Type:	Draw Down
Test Duration:	60
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934104735
Test Type:	Draw Down
Test Duration:	15
Test Level:	100.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934388360
Test Type:	Draw Down
Test Duration:	30
Test Level:	75.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934649298
Test Type:	Draw Down

Test Duration: 45
Test Level: 60.0
Test Level UOM: ft

Water Details

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

Links

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

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15 | **1 of 1** | **NE/213.0** | **90.9 / -1.00** | **lot 12 ON** | **WWIS**

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1531416.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID: 10052950
DP2BR:
Spatial Status:
Elevation:
Elevrc:
Zone: 18

Code OB:		***East83:***	449260.80
Code OB Desc:		***North83:***	5005115.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	09/21/2000	***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:	931078428
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	81
Mat2 Desc:	SANDY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931078430
Layer: 3
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 32.0
Formation End Depth: 57.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933116585
Layer: 1
Plug From: 57.0
Plug To: 0.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961531416
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10601520
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930092647
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

Construction Record - Casing

Casing ID: 930092648
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

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991531416
Pump Set At:
Static Level: 20.0
Final Level After Pumping: 125.0
Recommended Pump Depth: 150.0
Pumping Rate: 6.0
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: 934657559
Test Type: Draw Down
Test Duration: 45
Test Level: 200.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112869
Test Type: Draw Down
Test Duration: 15
Test Level: 125.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934396068
Test Type: Draw Down
Test Duration: 30
Test Level: 150.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934914450
Test Type: Draw Down
Test Duration: 60
Test Level: 245.0
Test Level UOM: ft

Water Details

Water ID: 933491860

Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	251.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10052950	**Tag No:**	
Depth M:	76.2	**Contractor:**	1558
Year Completed:	2000	**Latitude:**	45.1976936447309
Well Completed Dt:	09/21/2000	**Longitude:**	-75.6459989208717
Audit No:	220937	**Y:**	45.19769363752915
Path:	153\1531416.pdf	**X:**	-75.64599875999524

16 ***1 of 1*** ***E/222.9*** ***89.9 / -2.00*** ***ON*** ***BORE***

Borehole ID:	611653	**Inclin FLG:**	No
OGF ID:	215512969	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	FEB-1956	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.190213
Total Depth m:	48.2	**Longitude DD:**	-75.642924
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	449496
Drill Method:		**Northing:**	5004282
Orig Ground Elev m:	91.4	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	89.5		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

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

Geology Stratum ID:	218388846	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	2.7	**Material Texture:**	
Material Color:	Black	**Non Geo Mat Type:**	
Material 1:	Fill	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	fill
Gsc Material Description:			
Stratum Description:	FILL. BLACK.		

Geology Stratum ID: 218388847
Top Depth: 2.7
Bottom Depth: 12.2
Material Color:
Material 1: Gravel
Material 2: Boulders
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: GRAVEL,BOULDERS.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218388848
Top Depth: 12.2
Bottom Depth: 21.3
Material Color:
Material 1:
Material 2: Gravel
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: HARDPAN,GRAVEL.

Mat Consistency: Hard
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218388849
Top Depth: 21.3
Bottom Depth: 24.4
Material Color:
Material 1: Gravel
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: GRAVEL.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218388850
Top Depth: 24.4
Bottom Depth: 26.5
Material Color:
Material 1:
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: HARDPAN.

Mat Consistency: Hard
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 04161 NTS_Sheet:
Confiden 1:

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

Source List

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
17	1 of 1	E/223.0	89.9 / -2.00	lot 14 ON	WWIS

Well ID: 1506568
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NORTH GOWER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 03/15/1956
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3566
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 014
Concession:
Concession Name: BF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506568.pdf

Additional Detail(s) (Map)

Well Completed Date: 02/09/1956
Year Completed: 1956
Depth (m): 48.1584
Latitude: 45.1902126443491
Longitude: -75.6429239888505
Path: 150\1506568.pdf

Bore Hole Information

Bore Hole ID: 10028604
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 02/09/1956
Remarks:
Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 449495.70
North83: 5004282.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 931004860
Layer: 1
Color: 8
General Color: BLACK

Mat1: 01
Most Common Material: FILL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 9.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931004864
Layer: 5
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 80.0
Formation End Depth: 87.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931004865
Layer: 6
Color: 3
General Color: BLUE
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 87.0
Formation End Depth: 158.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931004863
Layer: 4
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 70.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	931004862
Layer:	3
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	40.0
Formation End Depth:	70.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931004861
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	9.0
Formation End Depth:	40.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961506568
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10577174
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930049940
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	90.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930049941
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	158.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991506568
Pump Set At:	
Static Level:	38.0
Final Level After Pumping:	70.0
Recommended Pump Depth:	
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	
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

Water Details

Water ID:	933460724
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	143.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933460723
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	120.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10028604	***Tag No:***	
Depth M:	48.1584	***Contractor:***	3566
Year Completed:	1956	***Latitude:***	45.1902126443491
Well Completed Dt:	02/09/1956	***Longitude:***	-75.6429239888505
Audit No:		***Y:***	45.19021263690196
Path:	150\1506568.pdf	***X:***	-75.64292382752265

18 ***1 of 1*** ***ENE/227.4*** ***85.8 / -6.05*** ***ON*** ***BORE***

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

Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	SEP-1969	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.195276
Total Depth m:	32.9	**Longitude DD:**	-75.639098
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	449801
Drill Method:		**Northing:**	5004842
Orig Ground Elev m:	94.5	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	87.5		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218388875	**Mat Consistency:**	
Top Depth:	25.6	**Material Moisture:**	
Bottom Depth:	32.9	**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Limestone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	LIMESTONE. GREY. 00105FEET.BEDROCK,LIMESTONE. BLUE. 00143. GREY. LIMESTONE. GREY.		

Geology Stratum ID:	218388874	**Mat Consistency:**	
Top Depth:	22.6	**Material Moisture:**	
Bottom Depth:	25.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND,GRAVEL.		

Geology Stratum ID:	218388873	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	22.6	**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

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: 04171 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		

Unplottable Summary

Total: 15 Unplottable sites

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

Unplottable Report

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

Database: ***CA***

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

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

Database: ***DTNK***

Delisted Expired Fuel Safety Facilities

Instance No:	10940468	***Expired Date:***	
Status:	Abandoned	***Max Hazard Rank:***	NULL
Instance ID:		***Facility Location:***	RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON CA
Instance Type:		***Facility Type:***	FS LIQUID FUEL TANK
Instance Creation Dt:	4/30/1992	***Fuel Type 2:***	NULL
Instance Install Dt:	4/30/1992	***Fuel Type 3:***	NULL
Item Description:	FS Liquid Fuel Tank	***Panam Related:***	NULL
Manufacturer:	NULL	***Panam Venue Nm:***	NULL
Model:	NULL	***External Identifier:***	NULL
Serial No:	NULL	***Item:***	
ULC Standard:	NULL	***Piping Steel:***	
Quantity:	1	***Piping Galvanized:***	
Unit of Measure:	EA	***Tank Single Wall St:***	
Overfill Prot Type:	NULL	***Piping Underground:***	
Creation Date:	7/5/2009 1:22:25 AM	***Tank Underground:***	
Next Periodic Str DT:	NULL	***Source:***	FS Liquid Fuel Tank

TSSA Base Sched Cycle 2:	NULL
TSSAMax Hazard Rank 1:	NULL
TSSA Risk Based Periodic Yn:	NULL
TSSA Volume of Directives:	NULL
TSSA Periodic Exempt:	NULL
TSSA Statutory Interval:	NULL
TSSA Recd Insp Interva:	NULL
TSSA Recd Tolerance:	NULL
TSSA Program Area:	NULL
TSSA Program Area 2:	NULL
Description:	UNDERGROUND TANK
Original Source:	EXP
Record Date:	31-JUL-2020

Site: ***595831 ONT INC***

Database: ***DTNK***

RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON CA ON

Delisted Expired Fuel Safety Facilities

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

Site:
RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON

Database:
DTNK

Delisted Expired Fuel Safety Facilities

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

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

Site:
RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON

Database:
DTNK

Delisted Expired Fuel Safety Facilities

Instance No: 9724864
Status: Abandoned
Instance ID:
Instance Type:
Instance Creation Dt:
Instance Install Dt:
Item Description:
Manufacturer:
Model:
Serial No:
ULC Standard:
Quantity:
Unit of Measure:
Overfill Prot Type:
Creation Date:
Next Periodic Str DT:
TSSA Base Sched Cycle 2:
TSSAMax Hazard Rank 1:
TSSA Risk Based Periodic Yn:
TSSA Volume of Directives:
TSSA Periodic Exempt:
TSSA Statutory Interval:
TSSA Recd Insp Interva:
TSSA Recd Tolerance:
TSSA Program Area:
TSSA Program Area 2:
Description:
Original Source: EXP
Record Date: 31-MAY-2021

Expired Date:
Max Hazard Rank:
Facility Location: RIDEAU VALLEY DR RIDEAU TWP N5V 3K5
Facility Type: FS Piping
Fuel Type 2:
Fuel Type 3:
Panam Related:
Panam Venue Nm:
External Identifier:
Item: FS GASOLINE STATION - FULL SERVE
Piping Steel: 2
Piping Galvanized: 0
Tank Single Wall St: 0
Piping Underground: 2
Tank Underground: 0
Source: FS Expired Facilities

Site:
RIDEAU VALLEY DR RIDEAU TWP ON N5V 3K5

Database:
EXP

Instance No: 9724864
Status: Abandoned
Instance ID:
Instance Type:
Instance Creation Dt:
Instance Install Dt:
Item: FS GASOLINE STATION - FULL SERVE
Item Description:
Facility Type:
Overfill Prot Type:
Creation Date:
Expired Date:
Manufacturer:
Description:
Serial No:
Ulc Standard:
Facility Location:
Source:

Model:
Quantity:
Unit of Measure:
Fuel Type2:
Fuel Type3:
Piping Steel:
Piping Galvanized:
Tank Single Wall St:
Piping Underground:
Tank Underground:
Panam Related:
Panam Venue Nm:

Details

Tank Underground:	2	***Piping Galvanized:***	0
Piping Underground:	0	***Piping Steel:***	0
Tank Single Wall St:	2	***Context:***	FS Liquid Fuel Tank

Details

Tank Underground:	0	***Piping Galvanized:***	0
Piping Underground:	2	***Piping Steel:***	2
Tank Single Wall St:	0	***Context:***	FS Piping

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

Database: ***FST***

Instance No:	10940446	***Manufacturer:***	
Status:		***Serial No:***	
Cont Name:		***Ulc Standard:***	
Instance Type:		***Quantity:***	
Item:		***Unit of Measure:***	
Item Description:	FS Liquid Fuel Tank	***Fuel Type:***	Gasoline
Tank Type:	Single Wall UST	***Fuel Type2:***	NULL
Install Date:	4/30/1992	***Fuel Type3:***	NULL
Install Year:	1984	***Piping Steel:***	
Years in Service:		***Piping Galvanized:***	
Model:	NULL	***Tanks Single Wall St:***	
Description:		***Piping Underground:***	
Capacity:	35000	***No Underground:***	
Tank Material:	Steel	***Panam Related:***	
Corrosion Protect:	Impressed Current	***Panam Venue:***	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON CA		

Liquid Fuel Tank Details

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

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

Database: ***FST***

Instance No:	10940468	***Manufacturer:***	
Status:		***Serial No:***	
Cont Name:		***Ulc Standard:***	
Instance Type:		***Quantity:***	
Item:		***Unit of Measure:***	
Item Description:	FS Liquid Fuel Tank	***Fuel Type:***	Gasoline
Tank Type:	Single Wall UST	***Fuel Type2:***	NULL
Install Date:	4/30/1992	***Fuel Type3:***	NULL
Install Year:	1984	***Piping Steel:***	
Years in Service:		***Piping Galvanized:***	
Model:	NULL	***Tanks Single Wall St:***	
Description:		***Piping Underground:***	
Capacity:	22700	***No Underground:***	
Tank Material:	Steel	***Panam Related:***	
Corrosion Protect:	Impressed Current	***Panam Venue:***	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON CA		

Liquid Fuel Tank Details

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

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

Database: ***GEN***

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

Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

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

Database: ***GEN***

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

Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

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

Database: ***PRT***

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

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

Database: ***PRT***

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

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

Database: ***PRT***

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

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

Database: ***SPL***

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

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

SAC Action Class: Land Spills
Source Type:

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

Database: ***SPL***

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

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

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

The Ontario Ministry of Northern Development, Mines, Natural Resources and Forestry (ONDMNRF) maintains this database of pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Oct 2022

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Mar 2022

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Oct 31, 2023

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2022

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: Feb 28, 2022

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-Oct 31, 2023

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 -Aug 2023

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

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Sep 2023

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994 - Oct 31, 2023

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Aug 2023

Delisted Fuel Tanks: Provincial DTNK

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

Government Publication Date: Feb 28, 2022

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011- Oct 31, 2023

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994 - Oct 31, 2023

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011- Oct 31, 2023

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Sep 30, 2023

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report: Provincial EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land 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: Feb 28, 2022

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Sep 2023

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2019

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

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

Government Publication Date: Oct 31, 2021

Fuel Storage Tank: Provincial FST

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

Government Publication Date: Feb 28, 2022

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2020

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing 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: Feb 28, 2022

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Mar 21, 2022

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2023

National Analysis of Trends in Emergencies System (NATES): Federal NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2021

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Oct 2022

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory 1993-2020: Federal NPR2

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

Government Publication Date: Sep 2020

National Pollutant Release Inventory - Historic: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Aug 31, 2023

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Aug 2023

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994 - Oct 31, 2023

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: Oct 2011- Oct 31, 2023

NPRI Reporters - PFAS Substances: Federal PFCH

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

Government Publication Date: Sep 2020

Potential PFAS 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 - Oct 31, 2023

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-1990, 1992-2021

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Oct 2023

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Oct 31, 2023

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

List of spills and incidents made available by the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests. This database includes spill incidents that occurred in February, March, May, June-November 2022, and January 2023 in addition to those listed in the Government Publication Date.

Government Publication Date: 1988-Dec 2021; see description

Wastewater Discharger Registration Database: Provincial SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation, Mining, Petroleum Refining, Organic Chemicals, Inorganic Chemicals, Pulp & Paper, Metal Casting, Iron & Steel, and Quarries.

Government Publication Date: 1990-Dec 31, 2020

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970 - Apr 2023

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-Oct 31, 2023

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Mar 31 2023

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX F

City Directories

CITY DIRECTORY

Project Property:	*Phase One Environmental Site Assessment - 6158 Rideau Valley Drive* *6158 Rideau Valley Dr* *Manotick,ON K4M 1B3*
Project No:	*100011.082*
Requested By:	*GEMTEC Consulting Engineers and Scientists Limited (Ontario)*
Order No:	*23121400291*
Date Completed:	*January 03, 2024*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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

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

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

Search Criteria:
6151-6239 Odd of First Line Road
1050-1090 of Rideau Narrows Drive
6158 of Rideau Valley Drive
6100-6275 of Rideau Valley Drive
Search Notes:
Data from 2012 to 2021 excludes residential information. Manotick, ON is last listed in city directories in 1997.

Search Results Summary

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

2021 FIRST LINE ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

6239 **DAVE WRIGHT EXCAVATING**...*TRUCKING-DUMP*

2021 RIDEAU NARROWS DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2021 RIDEAU VALLEY DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

6104 **MOORE DESIGN CONSULTANTS**...*ARCHITECTURAL & CONSTR SPECIFICATIONS*

2017 FIRST LINE ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

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

2017 RIDEAU NARROWS DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2017 RIDEAU VALLEY DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2012 FIRST LINE ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

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

2012 RIDEAU NARROWS DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2012 RIDEAU VALLEY DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2000 FIRST LINE ROAD

SOURCE: POLKS

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

2000 RIDEAU NARROWS DRIVE

SOURCE: POLKS

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

2000 RIDEAU VALLEY DRIVE

SOURCE: POLKS

6158	**RESIDENTIAL (1 TENANT)**
6100-6275	**ALL RESIDENTIAL**

1997 FIRST LINE ROAD

SOURCE: POLKS

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

1997 RIDEAU NARROWS DRIVE

SOURCE: POLKS

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

1997 RIDEAU VALLEY DRIVE

SOURCE: POLKS

6158	**RESIDENTIAL (1 TENANT)**
6100-6275	**ALL RESIDENTIAL**

APPENDIX G

TSSA Records

RE: TSSA request - Manotick

Public Information Services <publicinformationservices@tssa.org>

Thu 12/14/2023 12:37 PM

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

Hello ,

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

NO RECORD FOUND IN CURRENT DATABASE

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

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

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

Accessing the applications

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

Accessing the Service Prepayment Portal

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

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

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

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

Kind regards,

Melanie Fowler | Public Information Releases Agent
Legal
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3593 | Fax: +1 416-231-4903 | E-Mail: mfowler@tssa.org
www.tssa.org

Winner of 2023 5-Star Safety Cultures Award

From: Mohit Bhargav <mohit.bhargav@gemtec.ca>
Sent: Thursday, December 14, 2023 11:27 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: TSSA request - Manotick

[CAUTION]: This email originated outside the organisation.
Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Hi,

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

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

in Ottawa (Manotick), Ontario.

Thank you.

Mohit Bhargav, MScE, EIT
Junior Environmental Scientist
Ottawa, ON
tel: 613.836.1422 / toll-free: 1.877.243.6832
mobile: 506.897.0427 / fax: 613.836.9731

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

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

APPENDIX H

MECP Freedom of Information Record

Ministry of the Environment, Conservation and Parks

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

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

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

Ontario

February 5, 2024

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

Dear Mohit Bhargav:

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

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

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

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

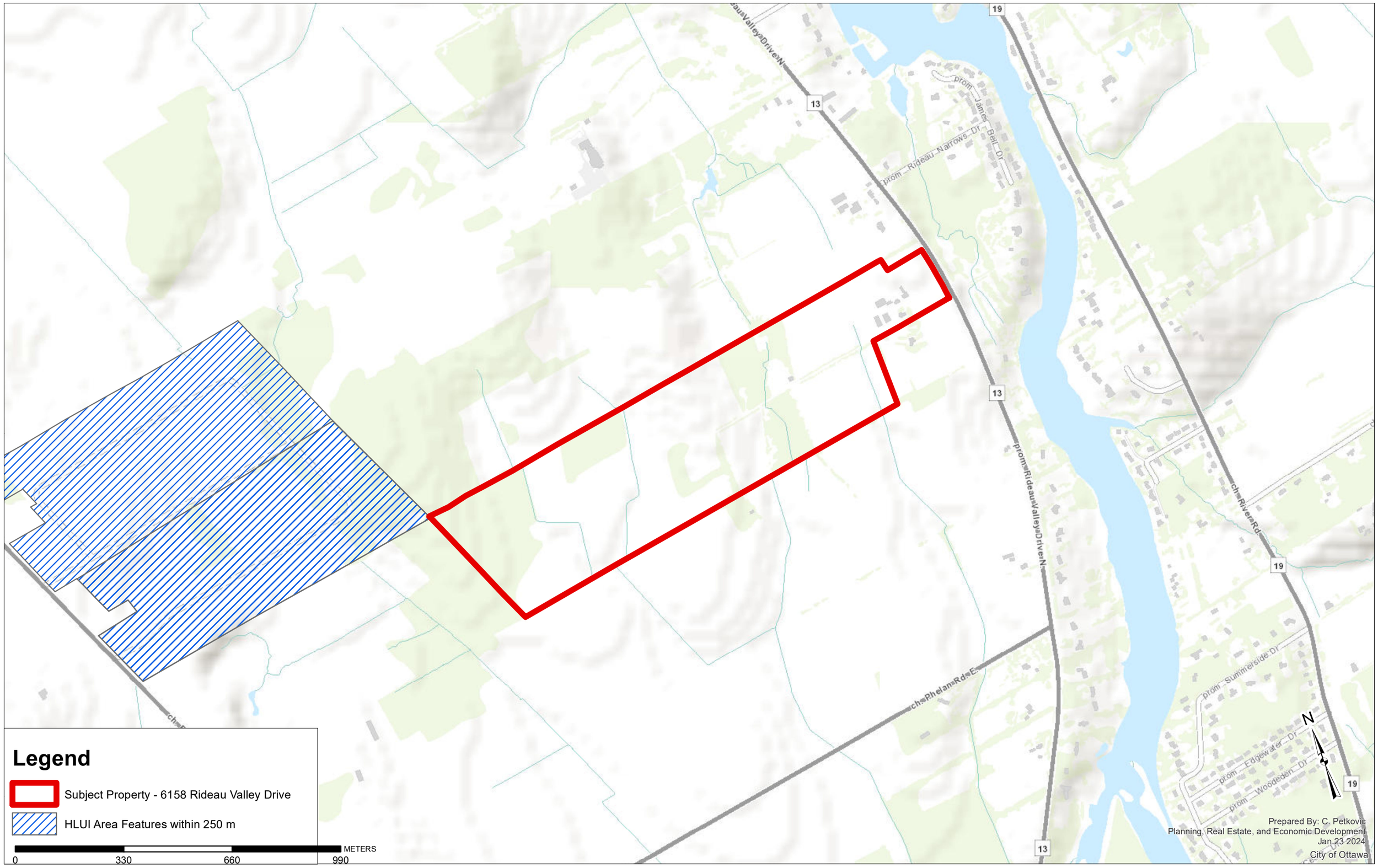
If you have any questions, please contact Rose D'Souza at 416-276-6548 or Rose.D'Souza7@ontario.ca.

Yours truly,
Rose D'Souza
for
Josephine DeSouza
Manager (A), Access and Privacy Office

APPENDIX I

Historic Land Use Inventory

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP



File Number: D06-03-24-0003

January 23, 2024

Mohit Bhargav
32 Steacie Drive
Ottawa, ON K2K 2A9

Sent via email to mohit.bhargav@gemtec.ca

Dear Mohit,

Re: Information Request
6158 Rideau Valley Drive, Ottawa, Ontario ("Subject Property")

Internal Department Circulation:

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

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

Documents Provided:

HLUI Summary Report and HLUI Map

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

For more information on how to interpret the HLUI data identified in the attached excel sheet ('ADDRESS – HLUI Summary report.xlsx'), please refer to the Overview and User Guide."

Additional information may be obtained by contacting:

Ontario's Environmental Registry

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

The Ontario Land Registry Office

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

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

Ottawa Public Health

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

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

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

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

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

If you have any further questions or comments, please contact HLUI@ottawa.ca.

Sincerely,

Charlotte Petkovic
STUDENT PLANNER

Per:

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

MB / **CP**

Enclosures: (2)
1. HLUI Map
2. HLUI Summary Report

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

APPENDIX J

Aerial Photographs

HISTORICAL AERIALS

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

Project No: 100011.082

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

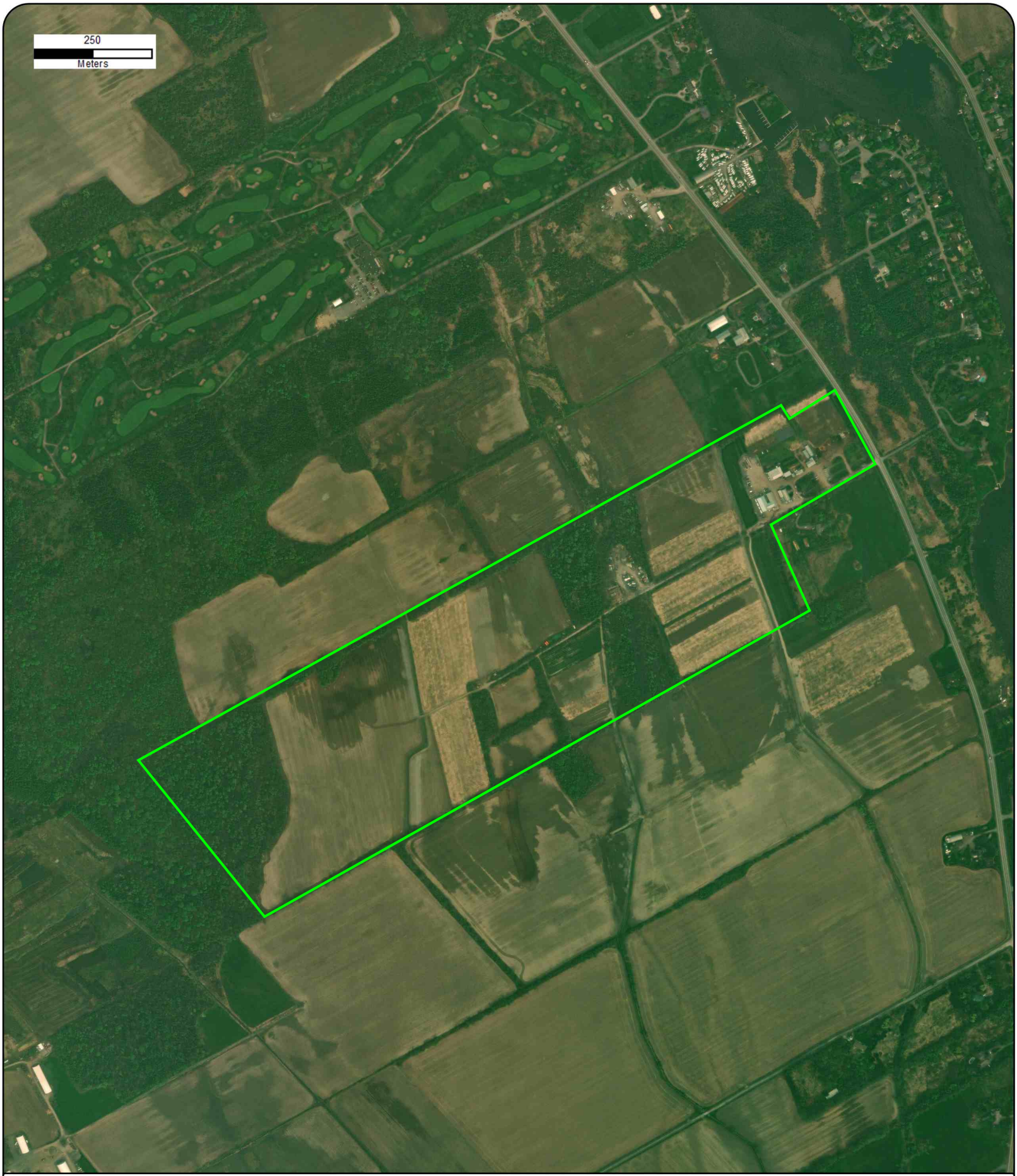
Order No: 23121400291

Date Completed: January 12,2024

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

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Scale	Comments
2023	Maxar Technologies	10,000	
1985	National Air Photo Library	10,000	
1964	National Air Photo Library	10,000	
1959	National Air Photo Library	10,000	
1946	National Air Photo Library	10,000	



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

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

Order No: 23121400291

ERIS

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

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

Order No: 23121400291

ERIS

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

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

Order No: 23121400291

ERIS

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

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

Order No: 23121400291

ERIS

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

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

Order No: 23121400291

APPENDIX J

MECP Well Records

Ontario Ministry of the Environment

Well Tag Number (Place sticker and print number below)
A025676
A025676

Well Record
Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

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

Ministry Use Only
MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR,Lot,Concession)
Miller's Berrry Farm		6158 Rideau Valley Drive North

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
Ottawa Carleton	Manotick	Ontario	K4M 1B3	613 692 2380

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
Ottawa Carleton	Rideau	3	A

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
6158 Rideau Valley Dr.		

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation
	83	18	449435	5004753	Garmin	☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
brown	sandy soil	boulders		0	3.65
brown	hardpan			3.65	6.70
gray	sandy clay	boulders		6.70	27.7
gray	limestone			27.73	75.58

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	28.64	22.75
28.64	75.58	15.07

Water Record

Water found at ___ Metres	Kind of Water
20.71 m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
NOT TESTED m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☒ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
15.86	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	0.48	+.45	28.64
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☒ Open hole		28.64	75.58

Test of Well Yield

Pumping test method: submersible
Pump intake set at - (metres) 45.93
Pumping rate - (litres/min) 45.5
Duration of pumping 1 hrs + ___ min
Final water level end of pumping 15.97 metres
Recommended pump type. ☐ Shallow ☒ Deep
Recommended pump depth 30.47 metres
Recommended pump rate. 45.5 (litres/min)
If flowing give rate - (litres/min)
If pumping discontinued, give reason.

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level		9.07		
1		10.79	1	13.44
2		11.50	2	11.62
3		12.13	3	10.42
4		13.03	4	9.85
5		13.03	5	9.56
10		14.14	10	9.19
15		14.79	15	9.16
20		15.16	20	9.14
25		15.37	25	9.14
30		15.54	30	9.13
40		15.72	40	9.13
50		15.86	50	9.12
60		15.97	60	9.12

Plugging and Sealing Record
☒ Annular space ☐ Abandonment

Depth set at - Metres From	Depth set at - Metres To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
28.64	0	Grouted Bentonite Slurry	.92m3

Method of Construction

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

Water Use

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

Final Status of Well

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

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
Capital Water SUpply LTd.	1558

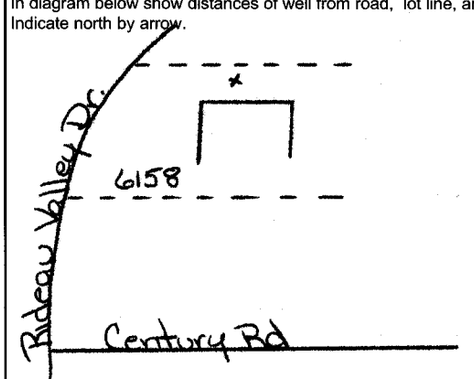
Business Address (street name, number, city etc.)
Box 490 Stittsville, Ontario K2S 1A6

Name of Well Technician (last name, first name)	Well Technician's Licence No.
Miller, STephen	T0097

Signature of Technician/Contractor: X
Date Submitted: YYYY 2005 MM 11 DD 02

Location of Well

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



Audit No. Z 39206
Was the well owner's information package delivered? ☒ Yes ☐ No
Date Well Completed: YYYY 2005 MM 11 DD 02
Date Delivered: YYYY 2005 MM 11 DD 02

Ministry Use Only

Data Source
Contractor 1558
Date Received JAN 13 2006
Date of Inspection YYYY MM DD
Remarks
Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐ *Cette formule est disponible en français*

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* **A 094199**

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
6160 Bedeau Valley Drive			
County/District/Municipality	**City/Town/Village**	**Province**	**Postal Code**
Ottawa Carlton	Manotick	Ontario	
UTM Coordinates Zone / Easting / Northing	**Municipal Plan and Sublot Number**	**Other**	
NAD 83 18 449463 5004665			

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Raise well casing above ground as per code				
			Pump test not performed		

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
		N/A	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* N/A

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
	N/A			

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
	N/A			

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
N/A		

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping _____ hrs + _____ min

Final water level end of pumping (m/ft) N/A

If flowing give rate (l/min / GPM) N/A

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

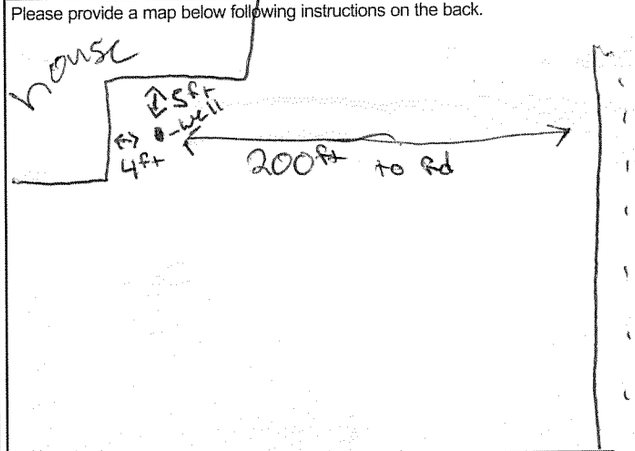
Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
C + N electric Ltd.	6364
Business Address (Street Number/Name)	**Municipality**
5640 Manotick main St	Ottawa
Province	**Postal Code** / **Business E-mail Address**
ONT	K4M1B3
Bus. Telephone No. *(inc. area code)*	**Name of Well Technician (Last Name, First Name)**
6136923284	Sadler, Ron
Well Technician's Licence No.	**Signature of Technician and/or Contractor** / **Date Submitted**
T6317	2012/10/01

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered

Date Work Completed 2012/09/24

Ministry Use Only

Audit No. Z153113

Received OCT 05 2012

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

Ministry's Copy

APPENDIX L

Site Photographs

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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experience • knowledge • integrity

civil	civil
geotechnical	géotechnique
environmental	environnementale
field services	surveillance de chantier
materials testing	service de laboratoire des matériaux

expérience • connaissance • intégrité