

595831 Ontario Inc.

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

5646 & 5650 Manotick Main Street Ottawa, Ontario

FINAL REPORT

December 16, 2022

Terrapex Environmental Ltd.

20 Gurdwara Road, Unit 1
Ottawa, Ontario K2E 8B3
Telephone: (613) 745-6471
Facsimile: (613) 745-0796
E-mail: ottawa@terrapex.com

Website: www.terrapex.com

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1.0 EXECUTIVE SUMMARY

Terrapex Environmental Ltd. (Terrapex) was retained by the 595831 Ontario Inc. (the Client) to conduct a Phase One Environmental Site Assessment (ESA) on the properties located at 5646 and 5650 Manotick Main Street Ottawa, Ontario (collectively, referenced as the "Phase One property" or the "Site").

Based on the available information the Site was developed between 1946 and 1959. The northern portion of the Site (5646 Manotick Main Street) was a retail fuel outlet from 1965 to 2004. The northern portion of the Site is currently operated as a carwash with two residential units on the upper floor of the building. The southern portion of the Site (5650 Manotick Main Street) was developed into a residential property in 1940s and is still used as such.

It is understood that the study documented herein is being undertaken for site plan approval purposes in support of planned redevelopment. The objective of the investigation was to identify actual and potential sources of contamination associated with the Site arising from current and/or historical activities on the Site and on properties within the Phase One study area to satisfy the following Phase One ESA general objectives listed in Ontario regulation (O. Reg.) 153/04:

- to develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the Phase One property;
- to determine the need for a Phase Two ESA; and,
- to provide a basis for carrying out any Phase Two ESA, if required.

Based on the review, evaluation, and interpretation of the information obtained from the records review, interviews, and Site reconnaissance completed as part of the Phase One ESA, four on-Site potential contaminating activity (PCA) and two off-Site PCAs relating to activities or incidents within the Phase One study area were identified. The four on-Site PCAs were determined to contribute to Areas of Potential Environmental Concern (APECs) on the Phase One property, as described below:

PCA 1 / APEC 1(A/B): The former USTs and associated fuel pumps related to the former use of the Site as retail fuel outlet.

PCA 2 / **APEC 2**: The presence of fill of unknown quality and unknown origin during redevelopment of the Site in 1965.

PCA 3 / APEC 3: The former use of the commercial building as an automotive garage.

PCA 6 / APEC 4: Staining underneath the ride on lawn mower in the white shed.

PCA 7 / APEC 5: Carwash effluent emanating from the septic system.

Based on the findings and results of this Phase One ESA, APECs have been identified at the Site. Therefore, a Phase Two ESA is required to file an RSC for the Phase One Property, in accordance with the requirements of O. Reg. 153/04.

2.0 INTRODUCTION

Terrapex Environmental Ltd. (Terrapex) was retained by the 595831 Ontario Inc. (the Client) to conduct a Phase One Environmental Site Assessment (ESA) at two adjacent properties located at 5646 and 5650 Manotick Main Street in Ottawa, Ontario (referenced as "the Phase One property" or "the Site"). We understand that the study is required for site plan approval purposes prior to potential redevelopment.

2.1 OBJECTIVE

The objective of the investigation was to identify actual and potential sources of contamination associated with the Site arising from current and/or historical activities on the Site and on properties within the "Phase One study area" (refer to Section 4.1.1), to satisfy the Phase One ESA general objectives listed in Ontario Regulation (O. Reg.) 153/04:

- to develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the Phase One property;
- to determine the need for a Phase Two ESA; and,
- to provide a basis for carrying out any Phase Two ESA (if required).

2.2 PHASE ONE PROPERTY INFORMATION

Information regarding the location and identification of the Phase One property and those authorizing this study is provided in Table 1, below. The location of the Site and the general Site layout are shown in Figures 1 and 2, respectively.

TABLE 1: SUMMARY OF PHASE ONE PROPERTY INFORMATION

Address:	5646 & 5650 Manotick Main Street, Ottawa ON
Property Identification Number:	03902-0885 (5646 Manotick Main Street) 03902-0886 (5650 Manotick Main Street)
Legal Description:	Part of Lot 4, Concession A North Gower (aka Concession Broken Front)
UTM Coordinates (centre of Site):	18T 446860 m E 5007642 m N
Name and Address of Owner:	5950831 Ontario Inc. (both properties)
Name and Address of Authorizing Party:	Jade Hawkins 595831 Ontario Inc. 650 Eagleson Road Kanata ON, K2M 1H4
Site Area:	4,098.8 m ²
Structures:	Several structures are located on the Site consisting of the following: - Former commercial building with car wash and second storey apartments (5646 Manotick Main Street) - Residential building with two sheds (5650 Manotick Main)
Occupants (current):	5646 Manotick Main - car wash, 2 residential apartments (second storey) 5650 Manotick Main - residential dwelling

2.3 PLAN OF SURVEY

A Plan of Survey was not provided as part of this program.

2.4 ENHANCED INVESTIGATION PROPERTY

An enhanced investigation property is defined in O. Reg. 153/04 as a property that is being used or has been used, in whole or in part, for an industrial use, or for commercial use as a garage, a bulk liquid dispensing facility (including a gasoline outlet), or for the operation of dry-cleaning equipment.

Based on current and historical land-use information described herein, the Site is an enhanced investigation property.

3.0 SCOPE OF INVESTIGATION

The Phase One ESA was conducted in accordance with the current requirements of O. Reg. 153/04 and as outlined in the Terrapex proposal to Ms. Jade Hawkins dated February 17, 2022. The main components of the Phase One ESA scope of work included:

Records Review: A review was conducted of available historic and current environmental information pertaining to the Site and surrounding properties within the Phase One study area in accordance with Schedule D (Phase One Environmental Site Assessments) of O. Reg. 153/04.

Interviews: Questions were posed to Mr. Ian Hawkins in person during the completion of the Site inspection. Additional questions were posed to Ms. Jade Hawkins through email.

Site Reconnaissance: A visual reconnaissance of the Site and neighbouring properties within the Phase One study area was conducted for evidence of potential environmental concerns.

Evaluation: The information obtained from the records review, interviews, and Site reconnaissance was reviewed and evaluated by the Qualified Person (QP) for this project (refer to Section 3.1 below) in consideration of the Phase One ESA general objectives and uncertainty associated with the data sources.

Reporting: In accordance with the requirements of Schedule D of O. Reg. 153/04, this report documents the findings, conclusions, and recommendations of the Phase One ESA and includes:

- a table of the current and past uses of the Phase One property;
- a table of identified potentially contaminating activities (PCAs) and a table of associated areas of potential environmental concern (APECs);
- a Phase One Conceptual Site Model (CSM); and,
- conclusions and recommendations made based on the evaluation and interpretation of information obtained for the Phase One ESA.

3.1 QUALIFIED PERSON

The Phase One ESA was supervised by Mr Greg Sabourin, Project Manager in Terrapex's Ottawa Office, located at 20 Gurdwara Road Ottawa, Ontario. Mr. Sabourin is a licensed Professional Engineer (P. Eng.) in Ontario and is registered as a QP with the Ontario Ministry of the Environment, Conservation and Parks (MECP) (formerly Ministry of Environment and Climate Change (MOECC), formerly Ministry of Environment (MOE)) for the purposes of creating and submitting RSCs for filing on the Brownfields Environmental Site Registry (ESR).

3.2 LIMITATIONS

It should be noted that although Terrapex has attempted to verify information wherever possible, except where explicitly noted, we have relied upon the accuracy of information collected during the records review and interview components.

The following limitations are noted:

- During the completion of the site inspection the vinyl shed located in backyard of the Site was locked and therefore was not inspected.
- One of the upstairs apartments (Apartment 2) was not accessible.
- Limited information was available regarding the historic heating methods for the main building commercial building.
- A full historical land title search was not conducted for the 5650 Manotick Main Street residential property.

It is not expected that the limitations would significantly affect the outcome of the Phase One ESA.

4.0 RECORDS REVIEW

4.1 GENERAL

4.1.1 PHASE ONE STUDY AREA DETERMINATION

To determine the Phase One study area, Terrapex conducted a preliminary records review to identify any conditions that might warrant an expansion of the Phase One study area beyond the minimum required by O. Reg. 153/04. This review included searches/reviews of the following information:

- aerial photographs and satellite images;
- MECP waste disposal site inventory documents; and,
- the Brownfields Environmental Site Registry (ESR).

The review indicated that lands within approximately 250 m of the Site boundary have historically been used for mixed use of agricultural, residential and commercial purposes. Based on the review, it was determined that an expansion of the Phase One study area beyond 250 m from the Site boundaries was not warranted. As such, an irregularly-shaped Phase One study area was developed to include all properties located within 250 m from the nearest point on the boundary of the Phase One property.

The boundary of the Phase One study area is depicted in Figure 3. Documentation and interpretation of the records reviewed are provided in the sub-sections below. Note that all distances are calculated from the nearest property boundary of the Site to the nearest boundary of the feature in question and are approximate.

4.1.2 FIRST DEVELOPED USE DETERMINATION

Information obtained during the records review portion of the work program was used to determine the date of first developed use of the Site, as per the definition in O. Reg. 153/04.

Based on review of aerial photographs the first developed use of the Site occurred between 1946 and 1959.

4.1.3 FIRE INSURANCE PLANS

Terrapex requested a search of Opta Information Intelligence online inventory of fire insurance plan maps (FIPs) and inspection reports for the 5646 Manotick Main Street property. No FIPs were found. However, a 2003 IAO All Risk Report was available for the property. The following relevant information was able to be gleaned from review of the risk report:

- In 2003 the Site operated as a laundromat, convenience store, ice cream, snack bar and a retail fuel outlet;
- The main building was reportedly constructed in 1965 and the car wash was constructed in 1983.
- The building was heated by electric forced air and baseboards in 2003. No mention of oil or natural gas was available in 2003.

No other information was gleaned from the Risk Report. No search was conducted of the 5650 Manotick Main Street property. Due to it being a residential property it was determined that it would be unlikely to have any records on file.

4.1.4 CHAIN OF TITLE

A historical land title search was completed by the Read Abstracts Limited (Read Abstracts) for the 5646 Manotick Main Street property that documented the chain of title for the Site. The Site is legally described as Part of Lot 4, Concession A North Gower (aka Concession Broken Front). The Site was owned by individual property owners from the first available record in 1840 until it was transferred to 595831 Ontario Inc. on December 12, 1984. A property index map and a copy of the historical land title search is included in Appendix II.

No historical land title search was completed for the 5650 Manotick Main Street property. Due to the 5650 Manotick Main Street property being residential in nature it is not expected that a historical land title search would provide additional relevant information. The 5650 Manotick Main Street property is reportedly owned by the Client.

4.1.5 PROPERTY USE RECORDS

A search of the City Directories was conducted by ERIS Information Limited Partnership (ERIS) to document the historical occupants of the Site and the following neighbouring properties: 5626, 5628, 5630, 5632, 5636, 5640, 5649, 5652, 5654. The search included a review of city directories for the following years: 1992, 1996, 2000, 2006-2007, and 2011. The following pertinent information was gleaned from the City Directory search:

- The 5646 Manotick Main Street property (northern portion of the Site) was listed as "Hawkins Gas" in 1992 and "Discount Tobacco & Grocery" in 2006-2007 and 2011. In the 2011 listing the Site was also listed as "U Haul CO Ltd". The Site was also listed as residential for every year searched except for 2011.
- The 5650 Manotick Main Street property (southern portion of the Site) was listed as residential from 1992 to 2011.
- The neighboring adjacent property to the north, 5640 Manotick Main Street was listed as "C&N Electric" in 1996, 2000 and 2006-2007.

- 5626 Manotick Main Street was listed as "Upper Manotick Cycle Centre" in 1992 and 1996.
- 5632 Manotick Main Street was listed as "Manotick Cycle Centre", "Manotick Lumber and Building Supplies" and "Cameron R&S" in 2006-2007.
- 5636 Manotick Main Street was listed as "Vanis Construction" in 2011.

All other listings were residential. A copy of the City Directory search results included in Appendix III.

4.1.6 ENVIRONMENTAL REPORTS

Terrapex was provided with one environmental report to review. The following is a summary of the report:

John D. Patterson Associates and Limited *Phase II – Environmental Site Assessment* 5646 Rideau Valley Drive, Manotick Main Street dated February 14, 2000

John D. Patterson Associates (Patterson) completed a Phase II ESA at the Site in January 2000. Reportedly it was described that the Site had been in operation for over 35 years and was currently operating a retail fuel outlet during the completion of the investigation. Patterson drilled three boreholes (BH1 to BH3) at the Site in the vicinity of the tank nest and pump island to a maximum depth of 4.42 meters below grade (m bg). Stratigraphy at the Site reportedly consisted of asphalt overlying a silty clay and/or clayey silt native material. A water sample was also collected directly from a borehole. The report did not provide a detailed account of the methodology used during the investigation.

Two soil samples and a groundwater sample submitted for laboratory analysis of total petroleum hydrocarbons (TPH) and benzene, toluene, ethylbenzene, and xylenes (collectively BTEX) exhibited concentrations above the Ontario Ministry of Environment (MOE) remediation guidelines in effect at the time.

The copy of the report provided to Terrapex did not provide any laboratory certificates of analyses or the measured concentrations of the analysed soil and/or groundwater samples. However, it can be assumed that documented soil/groundwater exceedances from 2000 would also likely exceed the current MECP Site Conditions Standards (SCS).

4.2 ENVIRONMENTAL SOURCE INFORMATION

4.2.1 MECP INVENTORIES AND THE BROWNFIELD ESR

A review of available MECP inventory documents was conducted by Environmental Risk Information Services (ERIS) to identify any significant industrial sites, waste disposal sites, or polychlorinated biphenyl (PCB) storage sites and RSCs filed on the Brownfields ESR

within the Phase One study area. The results of the search are outlined below.

MOE Inventory of Coal Gasification Plant Waste Sites in Ontario: A review of information provided in the inventory document did not identify former coal gasification plant waste sites within the Phase One study area.

MOE Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario: A review of the inventory document did not identify industrial sites producing or using coal tar or related tars within the Phase One study area.

MOE Waste Disposal Site Inventory: A review of the inventory did identify any active or closed waste disposal sites within the Phase One Study area.

Brownfields Environmental Site Registry: A review of the registry identified no RSC completed within the Phase One study area.

4.2.2 ERIS ENVIRONMENTAL DATABASES

Terrapex ordered a report from ERIS for available records associated with properties within the Phase One study area. ERIS searched government and privately-owned databases for environmental source information, including the information and documents listed in paragraph 7 of subsection 3 (2) in Schedule D of O. Reg. 153/04, excluding the areas of natural significance maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF) and environmental reports submitted to the MECP.

The report from ERIS is provided in Appendix IV and presents information for the records found, a diagram which plots the locations of the properties for which records were found (provided sufficient address information was available), as well as an appendix which contains a list and descriptions of the databases ERIS searched.

The ERIS report identified a total of 58 records within the Phase One study area. A summary of the pertinent records is provided below:

Listings for the Site

The ERIS report identified two records pertaining 5646 Manotick Main Street (northern portion of the Site). A record identified that the Site was a waste generator (generator number ON8832860) of light fuels for 2007 and 2008. A water well record for a domestic water supply well was also identified at the Site (further discussed in Section 4.3.5).

Six listings in the unplottable summary were identified in the delisted fuel tanks (DTNK), Private and Retail fuel Storage Tank (PRT), and List of Expired Fuel safety Facilities (EXP) databases which listed the business "595831 ONT INC" located at Rideau Valley Drive

Rideau Township. While the exact address is not provided It is likely based on the business name that these records are related to the Site. The former presence of gasoline service station at the Site as identified by these records represents an onsite PCA.

Nearby Properties

The following is the list of the pertinent records identified on neighboring properties within the Phase Study One Area which would result in a PCA is provided below in Table 2.

TABLE 2: PERTINENT ERIS RECORDS

Property	PROXIMITY ¹	DATABASE	YEAR(S)	DETAILS	PCAs/POTENTIAL CONCERNS ²
5640 Manotick Main Street	Adjacent property to the North	GEN - Ontario Regulation 347 Waste Generators Summary	20016	Property was a listed generator of waste oils and lubricants	None Identified.
5669 Manotick Main Street	161 m southeast	GEN - Ontario Regulation 347 Waste Generators Summary	2003 - 2021	Property was a listed generator of a variety of wastes including lights fuels, oil skimming's and sludges. Related to backup generator.	28 - Gasoline and Associated Products Storage in Fixed Tanks

¹ direction and approximate distance to nearest Site boundary

Four listings were identified within the Phase One study area from the borehole database. Review of select borehole records indicated that stratigraphy within the Phase One study area generally consisted of clay to followed by a layer of gravel. Limestone bedrock was reportedly encountered at approximately 9 meters below grade.

Thirty-seven Water Well Information System (WWIS) records were identified as being present within the Phase One study area. Please refer to Section 4.3.5 for details of the water well records.

Unplottable Records: ERIS also identified numerous partial records without coordinates or municipal addresses from various databases. These records were listed in the Certificate of Approval, Ontario Regulation 347 Waste Generators Summary, Permit to

² As set out in Table 2 in Schedule D of O. Reg. 153/04.

take water and Ontario spills databases. As the exact locations of the listings cannot be confirmed, it is not possible to use this information to make conclusions about potential on-site environmental contamination concerns except for the records able to be linked to the Site (as discussed above).

4.2.3 GOVERNMENT AND REGULATORY DOCUMENTATION

Terrapex contacted representatives of provincial and municipal government agencies to request any environmental information in their files related to the Site. Terrapex also conducted searches of available information provided on government websites. The responses received from the government agencies, as well as the additional information obtained through website searches, are summarized in the following sections. Copies of relevant documents and maps are included in Appendix V.

Ontario Ministry of the Environment, Conservation and Parks: On March 3, 2022, Terrapex submitted a Freedom of Information (FOI) request regarding documented environmental concerns related to the Site, including infractions, complaints, notifications, or control orders. The MECP has not responded to the FOI request to date. A copy of the MECP FOI request is provided in Appendix V.

Ontario Ministry of Natural Resources and Forestry: Terrapex conducted a search of the information provided on the MNRF Natural Heritage Information Centre (NHIC) website to identify any area of natural or scientific interest (ANSI), environmentally sensitive areas or areas of natural significance within the Phase One study area. An unevaluated wetland was located approximately 130 m to the west of the Site.

Technical Standards & Safety Authority: The Technical Standards and Safety Authority (TSSA) is the Provincial regulatory agency responsible for overseeing fuels storage in Ontario and maintaining a database of all registered fuel storage tanks in Ontario. It should be noted that the TSSA did not register private fuel USTs/ASTs prior to January 1990 or furnace oil tanks prior to May 1, 2002. Additionally, the TSSA does not register waste oil tanks in apartments, office buildings, residences etc.

Terrapex submitted a request for information from the TSSA for both the 5646 and 5650 Manotick Main Street properties. On March 30 2022, Terrapex received a reply from the TSSA regarding the 5646 Manotick Main Street property, the information received indicated that the property had a propane cylinder exchange in 2005. No other information was given. A copy of the TSSA search results is provided in Appendix IV.

The TSSA has not responded with any information regarding the 5650 Manotick Street property as of the writing of this report.

City of Ottawa: Review of the geoOttawa website determined that that the entire Site was zoned as RC1 – rural commercial zone.

City of Ottawa Historic Land Use Inventory: In 1999, the former Regional Municipality of Ottawa-Carleton commissioned the preparation of a Historic Land Use Inventory (HLUI). The purpose of the HLUI was to collect information on the type and location of all land uses within the boundaries of the former Regional Municipality of Ottawa-Carleton (now the City of Ottawa) which had or have the potential to cause contamination in soil, groundwater or surface water.

The City of Ottawa provided a copy of the HLUI record for the Site. A copy of the HLUI search results is provided in Appendix V. Pertinent results of the HLUI report determine the following:

- The Site was listed as "Hawkins Gas" in 1998.
- The Site is located approximately 177 meters south of a known chlorinated solvent groundwater plume. Based on the expected flow of groundwater the documented plume is not expected to represent a concern to the Site.

The Rideau Valley Conservation Authority (RVCA): Terrapex reviewed the online mapping application provided by the RVCA (https://gis.rvca.ca). Review of the mapping application indicated that the Site is not within a regulated area.

A copy of the RVCA mapping application print out is provided in Appendix V.

4.2.4 CLIENT FILE INFORMATION

Terrapex was provided one environmental report from the Client (see Section 4.1.6.).

4.3 PHYSICAL SETTING SOURCES

4.3.1 AERIAL PHOTOGRAPHS AND SATELLITE IMAGES

Aerial photographs dated 1976, 1991, 2007, 2011 and 2019 were obtained from the geoOttawa online mapping application along with aerial photographs from 1946, 1959, and 1965 obtained from ERIS were reviewed to identify changes to topographic features and document the development of the Site and surrounding properties. The relevant features and development of the Site and neighbouring properties are summarized in Table 3 below with copies of the aerial photographs and satellite images included in Appendix VI. To identify some of the features discussed below the geoOttawa online mapping application was used to provide a close-up view.

TABLE 3: SUMMARY OF AERIAL PHOTOGRAPHS AND SATELLITE IMAGES

Ye	ar	Aerial Photograph and Satellite Image Summary
194	46	The Site appears to be part of an agriculture field. The structures are not visible on the Site however disturbed soil is visible in the northern portion of the Site.

Year	Aerial Photograph and Satellite Image Summary
	Manotick Main Street is visible to the east of the Site in its current position. A road is visible to the northern boundary of the Site. The neighboring properties appear to be agricultural fields.
1959	A building is visible in the northern portion of the Site. Based on the visible footprint of the building it does not appear to be the same building as the current building. The residential dwelling associated with the 5650 portion of the Site is visible.
	Neighboring properties adjacent to the Site appear to be developed with residential properties. Mahogany Harbour and Firefly Lane are now visible to the south and east of the Site respectively.
1965	Due to the resolution of the aerial photograph, it was not able to be determined what is located on the Site.
	The surrounding properties appear to be similar to the 1959 aerial photograph. A building and/or structure is visible in the northwestern portion of the Site.
1976	The Site appears to have been developed with a building in the format like the current building located at the Site. A building and/or structure is visible in the northwestern portion of the Site.
	The surrounding properties appear to be similar to the 1965 aerial photograph.
1991	The Site appears to be similar to the 1976 aerial photograph with the exception that the building and/or structure located in the northwestern portion of the Site is no longer visible. Gas pumps are visible to the east of the main building located at the Site. An expansion to the north side of the onsite building is visible.
	The surrounding properties appear to be similar to the 1976 aerial photograph with the exception of additional residential development to the east and southeast of the Site.
2007	The Site appears to be similar to the 1991 aerial photograph.
	The surrounding properties appear to be similar to the 1976 aerial photograph with the exception of additional residential development to the west and south of the Site. The neighboring property to the north appears to be used for commercial use based on the number of buildings and vehicles.
2011	The Site and surrounding area appear similar to the 2007 aerial photograph.
2019	The Site and surrounding area appear similar to the 2011 aerial photograph.

4.3.2 TOPOGRAPHY, HYDROLOGY, GEOLOGY

Topographic Mapping: A review of topographic mapping indicates that the Site is located in a mixed residential and commercial area. Google Earth indicates that the Site is at an approximate elevation of 88 m above mean sea level (amsl). The regional topography at the Site slopes down towards Rideau River (located to the north at an elevation of 84 amsl).

A copy of the Topographic map is provided in Appendix VII.

Geologic Mapping: Based on the 2007 Ontario Geological Survey (OGS) map *Physiography of Southern Ontario*, the Site is within a physiographic region known as clay plains.

Based on the OGS map *Surficial Geology of Southern Ontario*, the Site is located in an area of fine-textured glaciomarine deposits characterized silt and clay, minor sand and

gravel. Based on the OGS map 2556 (Bedrock Geology of Ontario), the Site is underlain by the Beekmantown Group which consists primarily of dolostone and sandstone.

Inferred Groundwater Flow Direction: Based on topography, the inferred direction of local groundwater flow is expected to be north-northeast, towards the Rideau River located approximately 45 m northeast of the Site. The regional groundwater flow is expected to be to the northeast towards the Rideau River as well.

4.3.3 FILL MATERIALS

It is likely that during the development of the Site some fill would have been shipped to the Site. The potential for this fill of an unknown quality and unknown origin to exist represents a PCA.

4.3.4 WATER BODIES AND AREAS OF NATURAL SIGNIFICANCE

Water Bodies: The nearest water body is the Rideau River, located approximately 45 m to the northeast of the Site's northern boundary.

Areas of Natural Significance: Based on all the information sources consulted (see Section 4.2.3), no ANSI are present at the Site or within the Phase One study area.

4.3.5 WELL RECORDS

Water Wells: The Water Well Information System (WWIS) was searched by ERIS and thirty-eight water well records were identified within the study Area. The well records included the following:

- Thirty one well records related to a domestic supply wells;
- Seven records related to abandonment of domestic supply wells; and.
- One record was for the installation of test wells.

One record was identified as the domestic supply well present at the 5646 Manotick Main Street property (well ID: 1506502). The well is recorded as being drilled in 1957. The well record describes the stratigraphy as clay from surface to approximately 12 meters below grade followed by a gravel layer approximately 1.2 m thick. A copy of the well record is located in the Appendix V.

It should be noted that many wells in the province have been decommissioned or abandoned without appropriate reporting to the MECP; in addition to issues regarding the accuracy of well locations, some MECP database listings pertain to wells that are possibly no longer in use or in existence.

4.4 SITE OPERATING RECORDS

The Site is considered an enhanced investigation property as per O. Reg. 153/04 since it did operate as a retail fuel outlet and automotive garage. No Site operating records were available for review.

5.0 INTERVIEWS

Terrapex interviewed Ms. Jade Hawkins, General Manager at 595831 Ontario Inc. Ms. Hawkins has been involved with the Site since 2011. Ms. Hawkins was able to provide the following additional information through email:

- The main building located at 5646 Manotick Main Street property was constructed in the 1940s. The addition for the car wash was built in the 1990s. Apartments had been located on the second floor of the commercial building for at least 20 years.
- The commercial store space on the 5646 Manotick Main Street property was used as an automotive garage prior to Client acquisition of the property in 1984. Reportedly the garage was located where the former convenience store used to be. No additional information was available regarding the Site's use as an automotive garage.
- The underground storage tanks at the Site related to the retail fuel outlet were removed in 2004.
- It is unknown if an oil UST/AST was ever present at 5646 Manotick Main Street property.
- The Client has owned the 5650 Manotick Main Street property since 1992.

It was noted that there is discrepancy between the information given the date of construction for the commercial building between the interview (1940s) and the fire insurance plans (1965). No additional information as provided.

Mr. Ian Hawkins was present during a portion of the Site inspection completed on March 16, 2022. The following information was provided by Mr. Hawkins:

- The Site is serviced by two wastewater septic systems, both of which are located in the backyard of the residence. One system is used for the car wash wastewater and the second is provides service to the second story apartments.
- The USTs related to the former retail fuel outlet had been removed several years ago, however an exact date was not provided. During the removal of the USTs it was evident that petroleum contamination was present in the soil.

No other information was gleaned from the interview.

6.0 SITE RECONNAISSANCE

6.1 GENERAL REQUIREMENTS

The Site reconnaissance was conducted to identify, describe, and document the following items at the Site, in accordance with Schedule D of O. Reg. 153/04:

- the presence and condition of any structures, including buildings, below-ground structures, ASTs, and USTs, as well as potable and non-potable water sources;
- the type and approximate locations of any utilities and services;
- the interiors of any buildings, specifically noting exit and entry points, heating/cooling systems, drains, pits, sumps, unidentified substances, and stains/corrosion on floors;
- the presence and types of sewage works, ground cover, and any current or former railway lines or spurs; and,
- the nature and extent of any areas of stained soil or pavement, stained or stressed vegetation, fill and debris materials, PCAs, and unidentified substances.

The Site reconnaissance also included a cursory inspection of the surrounding properties within the Phase One study area to identify, describe, and document any PCAs, water bodies, and areas of natural significance, as defined in O. Reg. 153/04. Observations of the surrounding properties within the Phase One study area made during the Site reconnaissance were limited to areas visible from the Site or from publicly accessible areas and vantage points.

Due to a change of scope, two separate Site reconnaissance were required one for the 5646 Manotick Main Street property (conducted in March 2022) and one for the 5650 Manotick main Street Property (conducted in April 2022). Details on the Site reconnaissance are provided in Table 4.

TABLE 4 SITE RECONNAISSANCE PARTICULARS

Date, Time of Investigation	Weather Conditions	Tour Guide	Occupant/Use of Site During the Investigation	Names and Qualifications of Persons Conducting the Investigation
March 16, 2022, Between 9:30 and 1:00 pm	Overcast 5 °C	lan Hawkins (9:30 am to 10:00 am)	Car Wash and two residential apartments	Mr. Greg Sabourin, PEng
April 21, 2022, between 1:00 pm and 3:30 pm	Rain 12 °C	Jade Hawkins	Residential property	Mr. Greg Sabourin, PEng

The Site location is shown in Figure 1 and the Site layout is shown in Figure 2. Selected photographs of the Site and Phase One study area are provided in Appendix VIII.

6.2 SPECIFIC OBSERVATIONS AT PHASE ONE PROPERTY

6.2.1 SITE DESCRIPTION

General Site Features: The Site is located on the west side of Manotick Main Street, approximately 250 m south of Eastman Avenue north of Mahogany Harbour Lane in Manotick, Ontario. The Site is irregular in shape and occupies a footprint of 4,090 m². The Site is composed of two municipal addresses - 5646 Manotick Main Street pertaining to the northern portion of the Site and 5646 Manotick Main Street pertaining to the southern portion of the Site.

5646 Manotick Main Street

The 5646 Manotick Main Street property is irregular in shape and occupies a footprint of approximately 2,566 m². The property is occupied by a two-storey building that consists of:

- A vacant former commercial space located on the bottom portion of the commercial building;
- Two apartment units (Apartment Units 2 and 3, there is no Unit 1) on the second storey; and
- A two-bay car wash that was constructed on the north end of the building.

The eastern portion of the property is covered with asphalt except for the southeast portion which is covered with gravel (the apparent location of the former tank nest). A former concrete pump island with a light standard is located to the east of the main building. The northern portion of the building is occupied by an operating two-bay car wash station.

The backyard of the Site is grass covered and contains the Sites septic tanks and weeping bed. The rear of the building had a wooden staircase and deck which provided access to the two second storey apartments. A vinyl shed, which was unable to be accessed during the site inspection was located in the middle of the backyard. The backyard was not fenced except for the northern property boundary. It was noted that trees were located on the periphery of the backyard.

5650 Manotick Main Street Property

The 5650 Manotick Main Street Property is irregular in shape and occupies a footprint of approximately 1,523 m². A single storey residence occupies the central portion of the property. The front yard of the property (located to the east of the residence) has a gravel surface cover while the backyard is largely landscaped with grass cover. Two sheds are located in the backyard of the property. The property is not fenced however a stand of trees are located between the Site and Mahogany Harbour Lane to the south.

Rights-of-Way: No right-of-ways were identified during the Site inspection.

Access and Roadways: Access to the Site is either provided from Manotick Main Street.

Debris and Fill Material: Debris and potential fill material were observed in the backyard of the onsite building on the 5646 Manotick Main Street property (refer to Appendix VIII, Photograph 6). Reportedly this fill was related to repairs to a foundation leak.

6.2.2 BUILDING DESCRIPTIONS

5646 Manotick Main Street

The main building is two-storey, rectangular in shape and has an approximate footprint of 204 spare meters (m²). The building appears to be slab on grade and of cinderblock construction. The siding of the building is composed of tin and a mortar façade. A wooden staircase and deck are located at the rear of the building which provides access to the two second storey apartments.

The interior of the main building contained what appeared to be a former commercial space for the retail fuel outlet/convenience store. At the time of the inspection the interior of commercial area was vacant and it appeared that the interior was in the midst of a renovation as no drywall was located on the walls and various building materials were present throughout. It was noted that extensive mould and water damage was present on the ceiling in the southwest corner of the room. It appeared that sewage from one of the upstairs apartments was leaking into the commercial space. The northern portion of the main building was used as a mechanical room for the car wash.

The upstairs of the main building contained two apartments. One of the apartments (Apartment 2) was able to be inspected. The inspection did not uncover anything of concern.

A two-bay self serve car wash is attached to the northern side of the main building. The car wash was reportedly constructed in the late 1980s. The car wash extension is approximately two storeys tall and is of brick and mortar construction and has a footprint of approximately 96 m². The mechanical room for the carwash is located in the northern portion of the main building. The equipment in the mechanical room consists of a natural gas water heater, hot water tank, a well pressure tank, various water softeners, water compressors for the spray nozzles and various hoppers for soap and detergent. Various 20 L pails of detergents and soaps were located in the mechanical room of the warehouse and used to supply the hoppers.

A small one-storey extension with a footprint of approximately 20 m² is located at the rear of the main building. This expansion contained what appeared to be the old furnace room for the store and a bathroom. The exterior of the expansion was covered with roof shingles.

The interior of this expansion was covered in drywall and had extensive mold and water damage throughout.

A two-bay car wash garage is attached to the northern side of the building. The carwash is of slab on grade and brick and mortar construction. Drains were on the floors in each of the car wash bays. The drains direct wash water into an on site septic system dedicated to the car wash.

5650 Manotick Main Street Property

The single storey residence located at this property is square in shape and has an approximate footprint of 80 m². The residence had a concrete foundation with a basement The exterior is finished with tin siding overlying transite board. Two wooden sheds were located in the backyard of the property.

The interior of residence appeared to be renovated recently. Interior finishings of the interior of the residence composed of drywall and engineered wood flooring. The basement of the residence was partially finished. A sump was noted to be located the basement of the residence.

6.2.3 SITE INFRASTRUCTURE

Heating and Cooling Systems:

5646 Manotick Main Street

A natural gas water heater and forced air furnace was present in the carwash mechanical room. A residential gas heater was also located in the extension however it was not installed. An electric tankless water heater was located on the ceiling in the main commercial space.

5650 Manotick Main Street

A natural gas heater and a natural gas water heater was located in the basement of the residence. The natural gas meter was noted to be located at the front of the property.

Water Supplies:

5646 Manotick Main Street

Reportedly the water was provided to the main building from a water well located at the front of the building (refer to Appendix VIII, Photograph 8). It was noted that the well was in a state of disrepair and that the cover had been removed. This well should be serviced and or inspected by a MECP licensed well technician.

5650 Manotick Main Street

The water service was provided to the residence from a water well. The location of water well was not identified during the Site inspection.

Electrical Services: Electrical services are provided from an overhead electrical line located along Manotick Main Street to both properties.

Wastewater and Sewage Disposal: For the 5646 Manotick Main Street property reportedly the wastewater from the apartment buildings and the car wash are managed from two separate septic systems. Apparently, the septic systems are in the backyard of the Site.

A dedicated septic system for the residential dwelling is located on the 5650 Manotick Main Street property.

Stormwater Management: A catch basin was observed along Manotick Main Street along the northern edge of the Site.

Drains, Pits or Sumps: Drains are located in each of the two car wash bays present at the 5646 Manotick Main Street Property. Reportedly the drains are connected to a dedicated septic tank system located west of the building (in the backyard).

The sump pit was present in the southeast corner of the 5650 Manotick Main Street residential building.

Underground Utility and Service Corridors: It is expected that the septic systems present at the Site would consist of various underground tanks, pipes and weeping tiles. It is possible that former trenches related to petroleum infrastructure are located in the eastern portion of the 5646 Manotick Main Street property.

6.2.4 MATERIALS HANDLING AND STORAGE

Storage Tanks: Based on aerial photographs, interviews and the site inspection, a former underground storage tank nest related to the former retail fuel outlet was located at the southern portion of the 5646 Manotick Main Street Property. The completion of the Site inspection confirmed that this area was gravel covered and appeared to have a slight depression (refer to Appendix VIII, Photograph 7).

Storage Containers: Various containers of soaps and detergents were observed in the mechanical room of the car wash in the commercial building located on the 5646 Manotick Main Street property.

Hazardous Materials: Small quantities of fuel were observed to be in jerry cans inside the vacant convenience store area in the 5646 Manotick Main Street building. This is not expected to be a concern.

Waste Management: Garbage pails related to residential waste were located at the back of the building at the 5650 Manotick Main Street property. It was noted that a garbage pail was present at the front of the store at 5646 Manotick Main Street property.

Unidentified Substances: No unidentified substances were encountered during the Site reconnaissance.

Residues and Staining: Staining was observed underneath the ride-on lawn mower located in the shed on the 5650 Manotick Main Street property (refer to Appendix VIII, Photograph 18). Due to the extent of the staining this will be considered a PCA.

Stressed Vegetation: As the inspections had been conducted during the spring/winter, no stressed vegetation was encountered during the Site reconnaissance.

Odours: Upon walking into the vacant convenience store area a strong musty/sewage odour could be smelt. This is not expected to be a concern

6.2.5 POTENTIALLY CONTAMINATING ACTIVITY

Based on the findings of the Site reconnaissance, three PCAs set out in Column A of Table 2 in Schedule D of O. Reg. 153/04 were observed. Other activities/observations not specifically listed in Table 2 of Schedule D were also added to the PCA table based on the discretion of the QP.

Two additional PCAs were identified within the Phase One study area based upon information gathered during the historical information review.

Refer to section 7.2 for discussion of these PCAs.

6.2.6 REGULATED MATERIALS AND DESIGNATED SUBSTANCES

Asbestos: Due to the age of the buildings present at the Site, the presence of asbestos containing material is possible.

Lead: Due to the age of the buildings, the presence of lead containing paint at the Site is possible.

Mercury: Due to the age of the buildings, the presence of mercury containing paint or

materials at the Site is possible.

Polychlorinated Biphenyls: No transformers or sources of PCBs were observed at the Site.

Ozone Depleting Substances: No equipment identified to potentially contain ozone-depleting substances (ODSs), such as air conditioners and freezers, was observed at Site except for the residential dwelling at 5650 Manotick Main Street. The appliances inspected appeared to be modern and are not expected to be a concern.

Mould: Extensive mould and water damage was present on the ceiling on the first floor of the commercial building at 5646 Manotick Main Street.

Other Designated Substances: No other substances designated under the Ontario Occupational Health and Safety Act were identified during the Site visit.

A Designated Substance Survey (DSS) was completed concurrently with the Phase One ESA and will provide additional details regarding the presence of regulated materials and designated substances at the Site.

6.2.7 ADJACENT PROPERTIES

A visual reconnaissance of the adjacent properties and properties within the Study Area was conducted from publicly accessible areas to identify the occupants and document the uses and PCAs that may impact the Site. Uses and occupants of the properties located immediately adjacent to the Site at the time of the inspection are listed below.

North: Manotick Main Street and the Rideau River beyond.

Northeast: Manotick Main Street, residential properties, and the Rideau River beyond.

East: Manotick Main Street and Residential properties and the rideau River beyond...

Southeast: Manotick Main Street, residential properties, a City of Ottawa fire station (5669 Manotick Main Street), residential properties and the Rideau River beyond..

South: Mahogany Harbour Lane and residential properties beyond.

Southwest: Residential properties

West: Residential properties, Mahogany Creek and residential properties beyond.

Northwest: Commercial properties, Mahogany Creek and residential properties beyond.

The surrounding properties are shown in Figure 3. It was observed that a backup generator with a integrated fuel storage tank was present at the fire station located 142 m south east of the Site.

6.2.8 ENHANCED INVESTIGATION PROPERTY

This Site was retail fuel outlet and therefore is considered a enhanced investigation property however no additional records were available for review.

6.3 WRITTEN DESCRIPTION OF INVESTIGATION

The Site reconnaissance was conducted to identify, describe, and document specific items at the Site and at surrounding properties within the Phase One study area, in accordance with Schedule D of O. Reg. 153/04. Written descriptions detailing the observations made by Terrapex personnel during the Site reconnaissance are provided above in Section 6.2.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 CURRENT AND PAST USES

A summary description of the current and past uses of the Site from its first developed use is provided in Tables 5A and 5B below.

TABLE 5A: CURRENT AND PAST USES OF THE PHASE ONE PROPERTY (5646 Manotick Main Street)

YEAR	NAME OF OWNER (5646 Manotick Main Property)	DESCRIPTION OF PROPERTY USE	PROPERTY USE	OTHER OBSERVATIONS FROM AERIAL PHOTOGRAPHS, FIRE INSURANCE PLANS, ETC.
19840 – 1848	John Lewis	Agriculture	Agriculture or other use	No information was available for this period other than the chain of title. Based on the review of the aerial photography, the Site is inferred to have been an agricultural field prior to 1940s.
1848 - 1862	John Clothier	Agriculture	Agriculture or other use	No information was available for this period other than the chain of title. Based on the review of the aerial photography, the Site is inferred to have been an agricultural field prior to 1940s.
1862-1882	Joshua Clothier	Agriculture	Agriculture or other use	No information was available for this period other than the chain of title. Based on the review of the aerial photography, the Site is inferred to have been an agricultural field prior to 1940s.
1882 - 1914	George Petapiece	Agriculture	Agriculture or other use	No information was available for this period other than the chain of title. Based on the review of the aerial photography, the Site is inferred to have been an agricultural field prior to 1940s.
1914 – 1918	Richard Halpenny	Agriculture	Agriculture or other use	No information was available for this period other than the chain of title. Based on the review of the aerial photography, the Site is inferred to have been an agricultural field prior to 1940s.
1918 - 1943	John W. Boucher	Agriculture	Agriculture or other use	No information was available for this period other than the chain of title. Based on the review of the aerial photography, the Site is inferred to have been an agricultural field prior to 1940s.

YEAR	NAME OF OWNER (5646 Manotick Main Property)	DESCRIPTION OF PROPERTY USE	PROPERTY USE	OTHER OBSERVATIONS FROM AERIAL PHOTOGRAPHS, FIRE INSURANCE PLANS, ETC.
1943 – 1961	John Gamble	Agriculture	Agriculture or other use	Review of aerial photographs indicated that the residence and commercial building located on the Site were constructed between 1946 and 1959.
1961 – 1969	Robert and Mabel Quail	Used as a retail fuel outlet since 1965	Commercial	The commercial building is visible in the 1965 aerial photograph and appears to be used a retail fuel outlet.
1969 - 1984	William and Lorna Wilson	Used as a retail fuel outlet since 1965	Commercial	Based on review of the 1976 aerial photographs it appears the property is a retail fuel outlet.
1984 – 1984	Glenn and Marguerite Beggs	Used as a retail fuel outlet since 1965	Commercial	Based on review of the 1976 aerial photographs it appears the property is a retail fuel outlet.
1984 – Present	595831 Ontario Inc.	Use as a retail fuel outlet until 2004	Commercial/ Residential	The Site was identified as retail fuel outlet in the 1992 city directory. Interviews indicate that the Site was used as retail fuel outlet until 2004. The Site inspection indicated that apartments are located on the second story of the main building. Site interviews indicated that the carwash at the north end of the building was built in 1990s.

TABLE 5B: CURRENT AND PAST USES OF THE PHASE ONE PROPERTY (5650 Manotick Main Street)

YEAR	NAME OF OWNER	DESCRIPTION OF PROPERTY USE	PROPERTY USE	OTHER OBSERVATIONS FROM AERIAL PHOTOGRAPHS, FIRE INSURANCE PLANS, ETC.
1862 – 1946	Unknown	Agriculture	Agriculture or other use	No information was available for this time. Based on the review of the aerial photography, it is inferred that the Site was an agricultural field prior to 1946
1946 – 1992	Unknown	Residential	Residential	Based on aerial photographs reviewed, the property was developed for residential purposed between 1946 and 1959.
1992 – Present	595831 Ontario Inc.	Residential	Residential	Based on information from the Client the property was purchased in 1992. The inspection revealed that property is used for residential purposes.

7.2 POTENTIALLY CONTAMINATING ACTIVITY

A Potentially Contaminating Activity (PCA) as defined in O. Reg. 153/04 is a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in the Phase One study area. Other activities not specifically listed in Table 2 of Schedule D may also be considered as a PCA based on the judgement/discretion of the qualified person (QP). The PCAs which are occurring or have previously occurred on properties within the Phase One study area, including the Site, are listed below and are shown in Figure 4.

TABLE 6: POTENTIALLY CONTAMINATING ACTIVITIES WITHIN THE PHASE ONE STUDY AREA

PCA	ADDRESS	POTENTIAL ENVIRONMENTAL CONCERN	DATA SOURCE	POTENTIALLY CONTAMINATING ACTIVITY (as set out in Column A of Table 2 in Schedule D of O. Reg. 153/04)	UNCERTAINTY	LIKELIHOOD TO AFFECT THE SITE
PCA 1	The Site (5646 Manotick Main Street)	The storage of gasoline related to use of the Site as retail fuel outlet	- ERIS - Interviews - Site inspection - FIP	- 22 – Gasoline and Associated Products Storage in Fixed Tanks	- Low	Certain. Impacts have been confirmed through a previously completed Phase II ESA (Patterson, 2000)
PCA 2	The Site (5646 & 5650 Manotick Main Street)	- The importation of fill during development of the Site	- Site Inspection - Aerial Photographs (1946)	- 22 – Importation of Fill Material of Unknown Quality	- High	- Possible
PCA 3	The Site (5646 Manotick Main Street)	The reported use of the commercial building the Site as an automotive garage.	- Site Interview	- 27 - Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	High. No collaborating information other than anecdotal evidence. Timeframe of operation not available.	- Possible
PCA 4	5669 Manotick Main Street (60 m to the southeast of the Site)	The presence of a fuel storage tank related to a backup generator at the City of Ottawa Fire Station	- Site Inspection - ERIS	- 22 – Gasoline and Associated Products Storage in Fixed Tanks	- Low	Unlikely, due to intervening distance and the low volume of fuel expected to be stored.
PCA 5	Town of Manotick (177 m to the north)	The known presence of a chlorinated solvent groundwater plume	- HLUI	- Not applicable	- Low	Unlikely, due to intervening distance and the excepted shallow groundwater flow direction
PCA 6	The Site (5650 Manotick Main Street)	- Staining underneath the ride on lawn mower in the white shed	- Site Inspection	- Not applicable	- Low	- Possible

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PCA	ADDRESS	POTENTIAL ENVIRONMENTAL CONCERN	DATA SOURCE	POTENTIALLY CONTAMINATING ACTIVITY (as set out in Column A of Table 2 in Schedule D of O. Reg. 153/04)	UNCERTAINTY	LIKELIHOOD TO AFFECT THE SITE
PCA 7	The Site (5646 Manotick Main Street)	- Effluent from car wash	- Site Inspection - Interviews	- Not Applicable	- Low	Possible given that effluent is not treated following discharge.

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7.3 AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

An Area of Potential Environmental Concern (APEC), as defined in O. Reg. 153/04, is the area on, in, or under a Phase One property where one or more contaminants are potentially present, as determined through the Phase One ESA, including through (a) identification of past or present uses on, in or under the Phase One property and (b) identification of potentially contaminating activity. APECs are summarized below, and shown on Figure 5.

TABLE 7: AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

APEC	LOCATION OF APEC ON PHASE ONE PROPERTY	POTENTIALLY CONTAMINATING ACTIVITY (as set out in Column A of Table 2 in Schedule D of O. Reg. 153/04)	LOCATION OF PCA (On-Site or Off- Site)	CONTAMINANTS OF POTENTIAL CONCERN	MEDIA POTENTIALLY IMPACTED (Groundwater, Soil, and/or Sediment)
APEC 1A	- Encompassing the area around the former underground storage tank nest	- 22 – Gasoline and Associated Products Storage in Fixed Tanks	- PCA 1 (On-Site)	- PHCs - BTEX	- Soil - Groundwater
APEC 1B	- Encompassing the area around the former pump islands.	- 22 – Gasoline and Associated Products Storage in Fixed Tanks	- PCA 1 (On-Site)	- PHCs - BTEX	- Soil - Groundwater
APEC 2	- Encompassing the entirety of the Site	- 30 – Importation of Fill of Unknown Quality	- PCA 2 (On- Site)	- PHCs - BTEX - PAHs - Metals - AS, SB, Se - Cr (VI) & Hg	- Soil
APEC 3	- Encompassing the main floor area of the commercial building at 5646 Manotick Main Street property	- 27 - Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	- PCA 3 (Onsite)	- PHCs - VOCs - PAHs - Metals - AS, SB, Se - Cr (VI) & Hg	- Soil - Groundwater
APEC 4	- Encompassing area of stained ground.	- Not Applicable	- PCA 6 (On- site)	- PHCs - BTEX	- Soil
APEC 5	- Encompassing area of downgradient of the weeping tile bed dedicated to the 2-bay PCA car wash	- Not applicable	- PCA 7 (On- Site)	- PHCs - BTEX - VOCs	- Groundwater

PHCs: petroleum hydrocarbon

PAHs: polycyclic aromatic hydrocarbons VOCs: Volatile Organic Compounds

BTEX: Benzene, Toluene, Ethylbenzene and Xylenes

AS, SB, SE: Arsenic, Antimony, Selenium

Cr(VI) & Hg: Chromium +6, Mercury

8.0 CONCLUSIONS

8.1 WHETHER PHASE TWO ESA REQUIRED BEFORE RSC SUBMITTED

Based on the findings and results of this Phase One ESA, APECs have been identified at the Site. Therefore, a Phase Two ESA is required to file an RSC for the Phase One Property, in accordance with the requirements of O. Reg. 153/04.

8.2 RSC BASED ON PHASE ONE ESA ALONE

An RSC cannot be filed for the Phase One property based solely on this Phase One ESA.

8.3 SIGNATURES

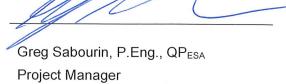
This report has been completed in accordance with the terms of reference for this project as agreed upon by 595831 Ontario Inc. (the Client) and Terrapex Environmental Ltd. (Terrapex) and generally accepted engineering or environmental consulting practices in this area.

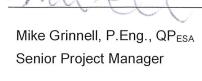
Terrapex has exercised due care, diligence, and judgement in the performance of this assessment; however, studies of this nature have inherent limitations. This report is intended to provide only a general assessment of the environmental conditions encountered at the site. By necessity, the findings and observations regarding actual or potential contamination of the property are based solely on the extent of observations and information gathered during the assessment, and subsequent investigations of differing scope may reveal conflicting results. Findings and observations may also change with the passage of time. Where applicable, observations of nearby properties were limited to areas visible from the site or from publicly accessible areas and vantage points.

Terrapex has relied in good faith on information and representations obtained from the Client and third parties and, except where specifically identified, has made no attempt to verify such information. Terrapex accepts no responsibility for any deficiency or inaccuracy in this report as a result of any misstatement, omission, misrepresentation, or fraudulent act of those providing information. Terrapex shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time of the study.

This report has been prepared for the sole use of 595831 Ontario Inc. Terrapex accepts no liability for claims arising from the use of this report, or from actions taken or decisions made as a result of this report, by parties other than 595831 Ontario Inc.

Respectfully Submitted, Terrapex Environmental Ltd.







9.0 REFERENCES

Regulations and Guidelines

Ontario Regulation 153/04, Records of Site Condition – Part XV.1 of the Environmental Protection Act

Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011

Environmental Source Information:

Ontario Ministry of the Environment (MOE) inventory documents:

- Inventory of Coal Gasification Plant Waste Sites in Ontario, Volume II (April 1987), prepared for MOE by Intera Technologies Ltd. (Intera)
- Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, Volume I (November 1988), prepared for MOE by Intera
- Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, Volume II (November 1988), prepared for MOE by Intera
- Waste Disposal Site Inventory (June 1991)
- MECP Brownfields Environmental Site Registry (ESR) website (http://www.environet.ene.gov.on.ca/besr-public/generalSearch.do?action=searchOldRsc&)

Federal government, provincial government, and private source database records available through ERIS for locations within the Phase One study area.

Regulatory file information and documentation regarding environmental concerns related to the site, and/or information pertaining to water bodies and areas of natural significance within the Phase One study area, available from:

- Ontario Ministry of Natural Resources and Forestry (MNRF) Land Information Ontario website
- Technical Standards & Safety Authority (TSSA) Fuels Safety Division
- MECP Freedom of Information office
- City of Ottawa Official Plan

Physical Setting Sources

Aerial photographs for the year 1946, 1959, and 1965 from the National Air Photo Library provided by ERIS

Aerial photographs for the years 1976, 1991, 2007, 2011 and 2019 from geoOttawa

Ontario Geological Society 1:250 000 scale map entitled *Bedrock Geology of Ontario* (2011)

Chapman and Putnam. Ontario Geological Survey 1:22 000 map entitled *The Physiography of Southern Ontario* (2007)

Ontario Geological Society 1:22 000 scale map entitled Surficial Geology of Ontario (2010)

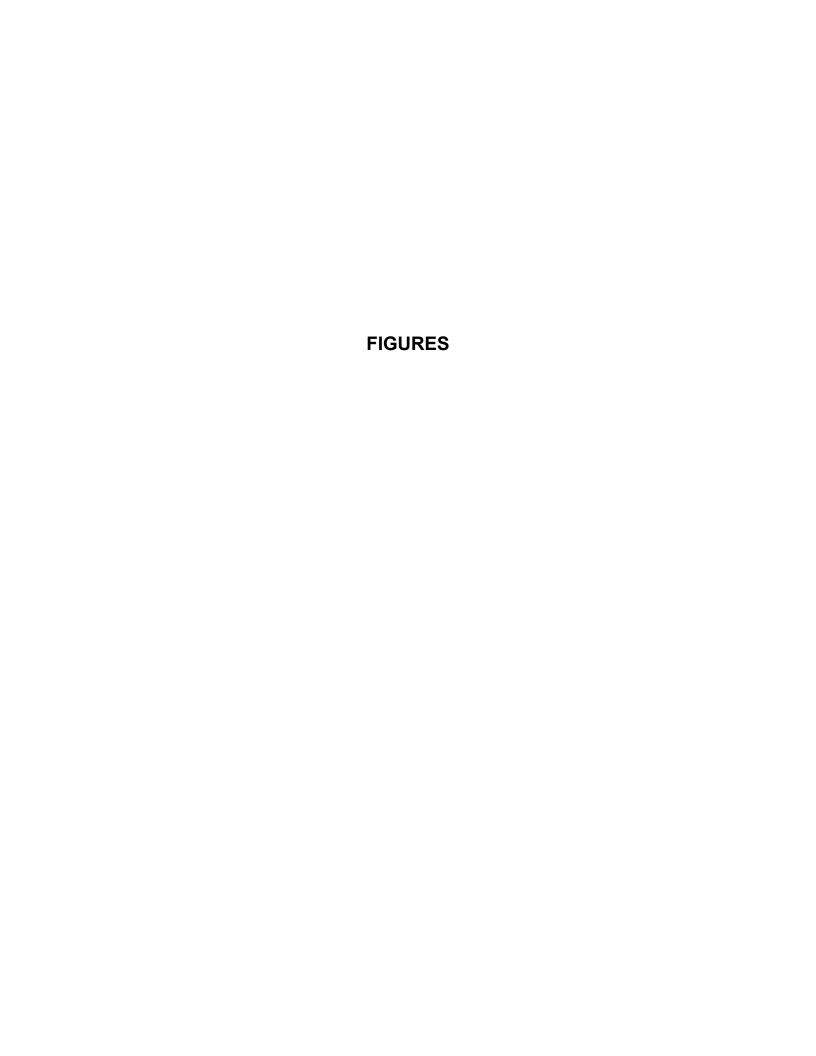
Well record information available from ERIS and the Water Well Information System database

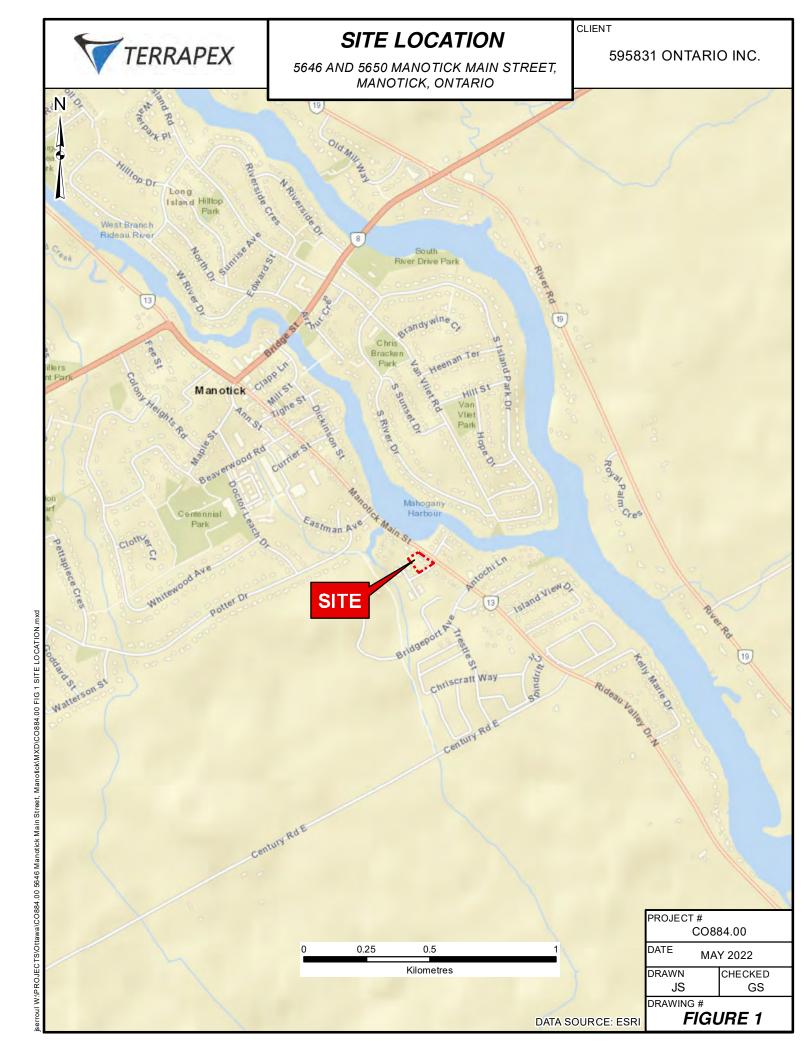
Interviews

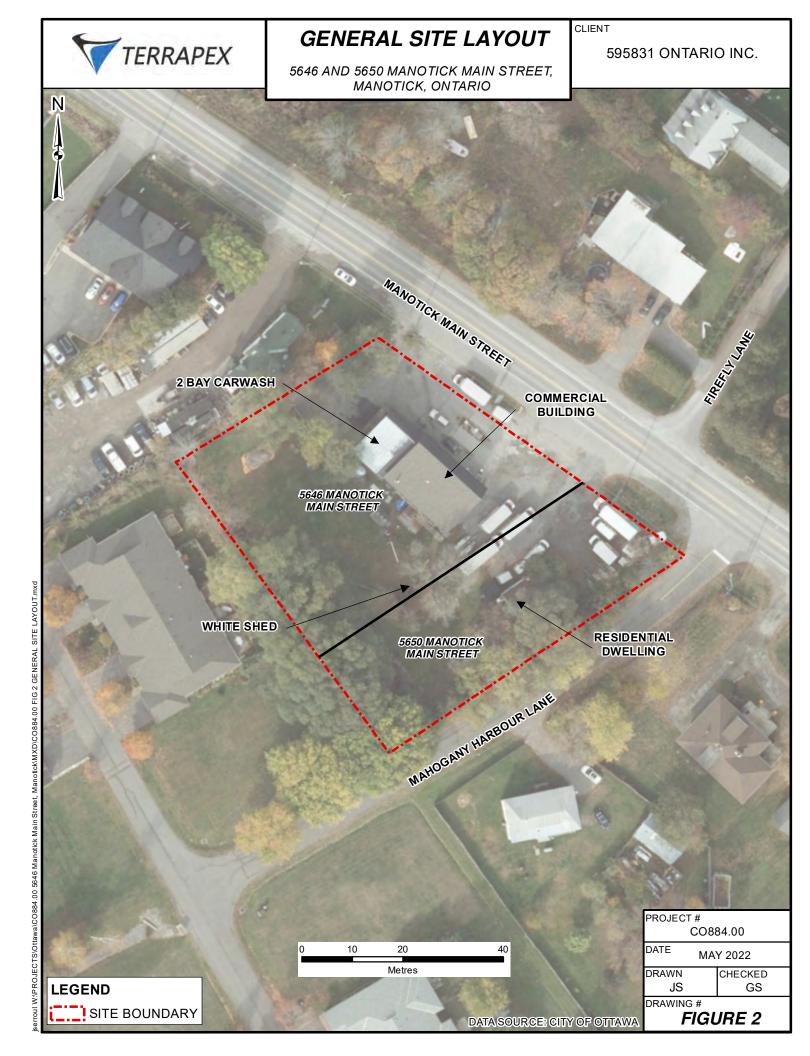
Jade Hawkins, General Manager at 595831 Ontario Inc. lan Hawkins, 595831 Ontario Inc.

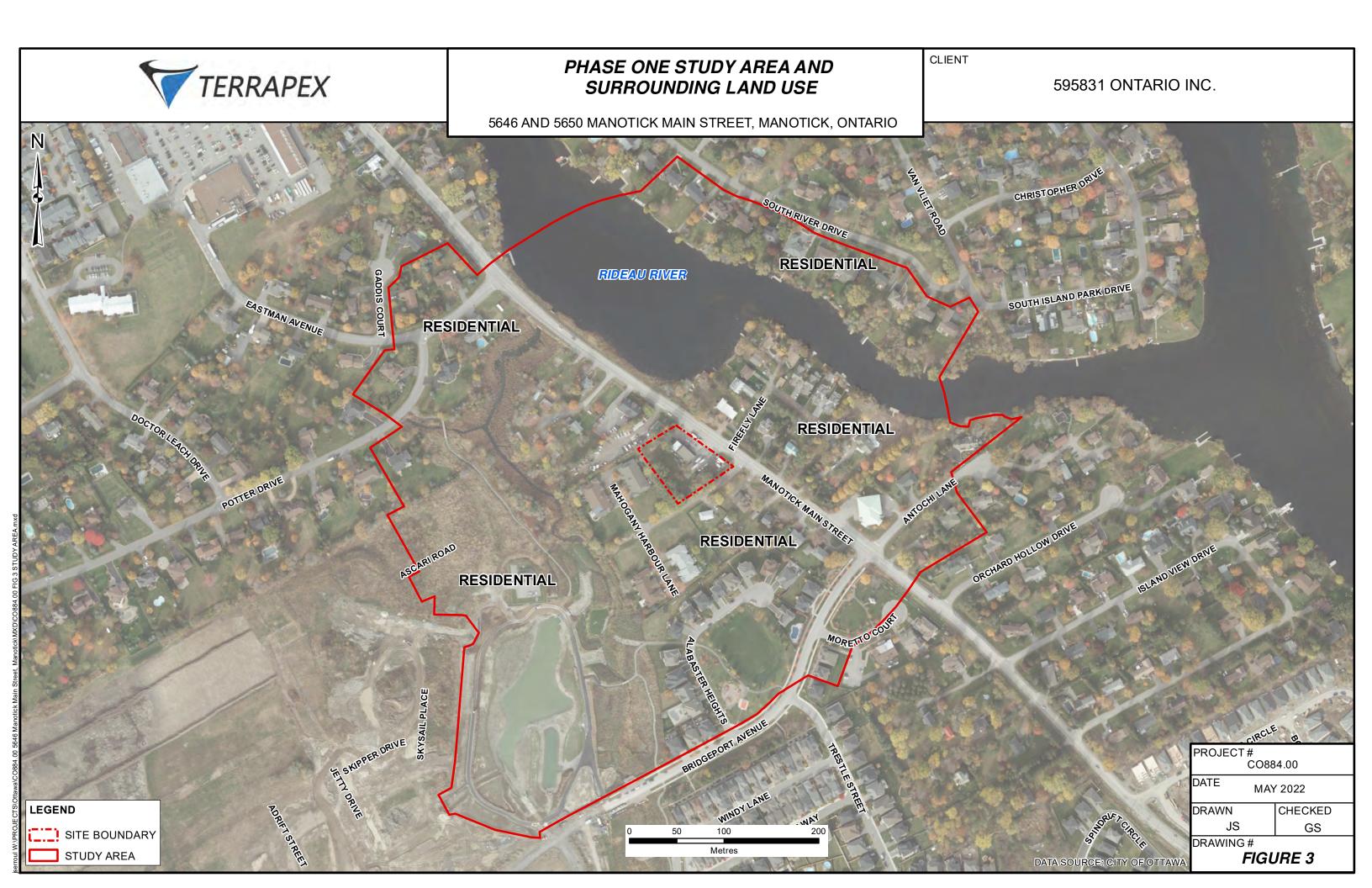
Environmental Reports

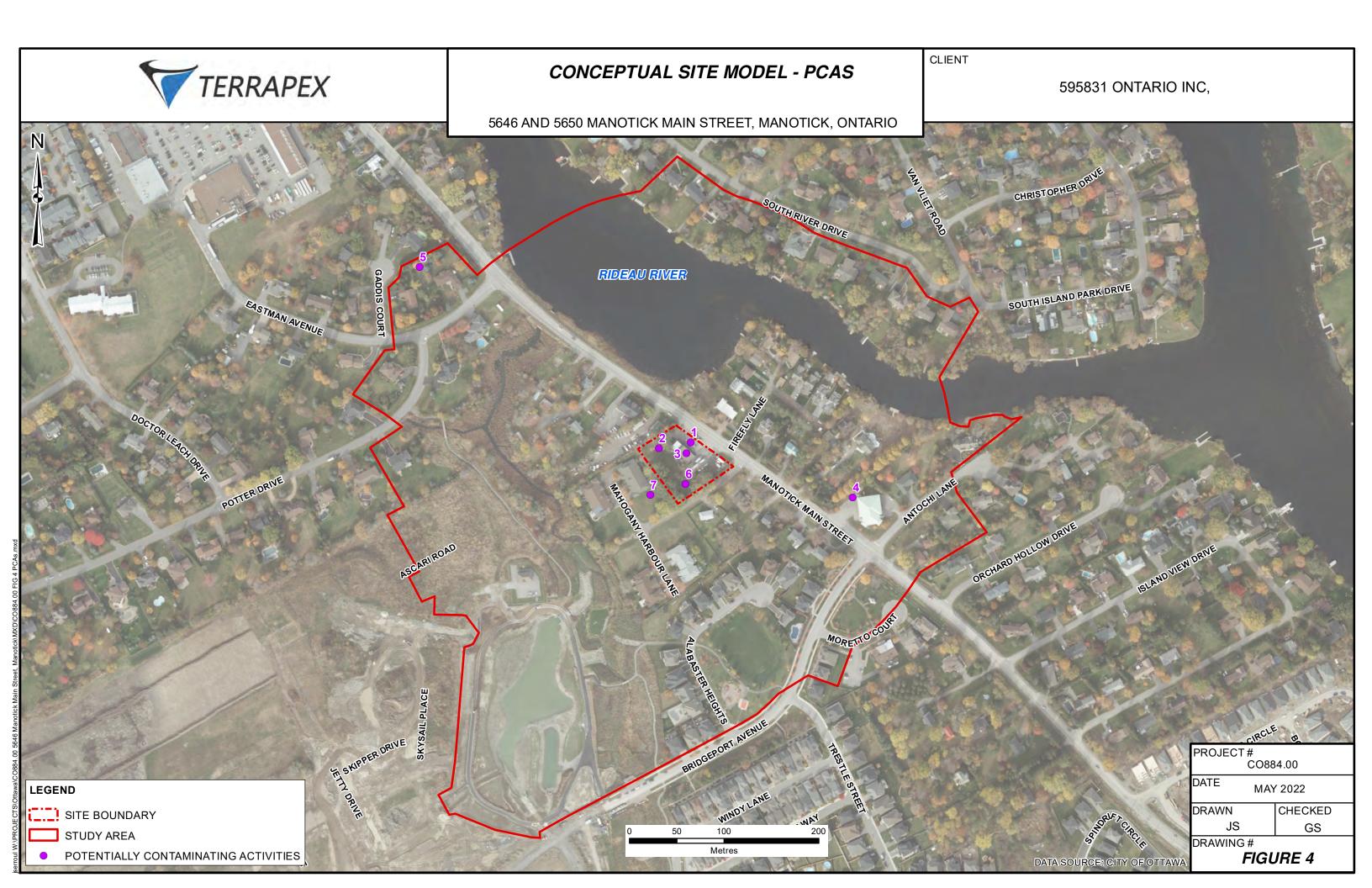
John D. Patterson and Associates Ltd. *Phase II – Environmental Site Assessment 5646 Rideau Valley Dive Manotick, Ontario* dated February 14, 2000













APPENDIX I FIRE INSURANCE PLANS









An SCM Company

175 Commerce Valley Drive W Markham, Ontario L3T 7Z3

T- 905-882-6300 W: www.optaintel.ca

Report Completed By:

Midori

Site Address:

5646 Manotick Main Street, Manotick, Ottawa, ON by

Project No:

Eleanor Goolab ERIS

22031400343 Opta Order ID:

Date Completed: 3/21/2022 6:26:50 AM

106415

Page: 2

Project Name: CO884.00 Manotick Main Street Phase One

Project #: 22031400343 P.O. #: CO884.00

ENVIROSCAN Report

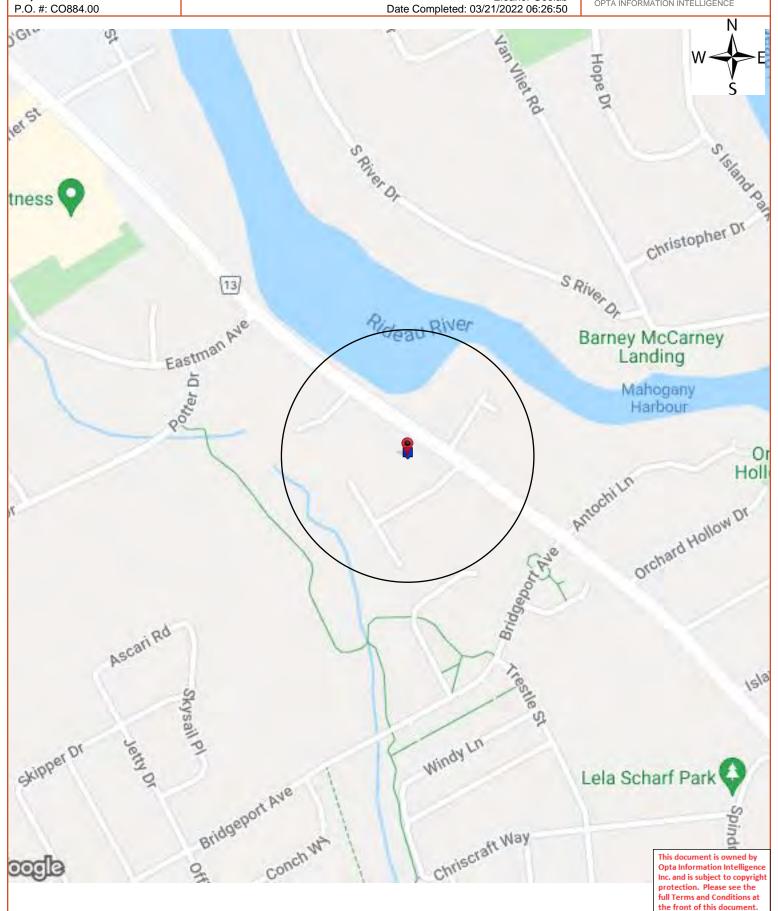
Search Area: 5646 Manotick Main Street, Manotick,

Ottawa, ON

Requested by: Eleanor Goolab



OPTA INFORMATION INTELLIGENCE



Page: 3

Project Name: CO884.00 Manotick Main Street Phase One

Project #: 22031400343 P.O. #: CO884.00

ENVIROSCAN Report

Opta Historical Environmental Services Enviroscan Terms and Conditions

Requested by: Eleanor Goolab Date Completed: 03/21/2022 06:26:50



OPTA INFORMATION INTELLIGENCE

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.

Disclaimer

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

Entire Agreement

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

Governing Document

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

Law

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



175 Commerce Valley Drive W

Markham, Ontario

L3T 7Z3

T: 905.882.6300

Toll Free: 905.882.6300

F: 905.882.6300

An SCM Company

www.optaintel.ca

Page: 4 Project Name: CO884.00 Manotick Main Street Phase One

Project #: 22031400343 P.O. #: CO884.00

ENVIROSCAN Report

Report Index

Requested by: Eleanor Goolab Date Completed: 03/21/2022 06:26:50



Report Title Page

(2003) All Risk Report - 2003 595831 ONTARIO INC. O/B IAN HAWKINS 5646 Rideau Valley Road Ottawa 5 (Manotick) ON K4M1B3 (distance = 0 metres*)

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Page: 5

Project Name: CO884.00 Manotick Main Street Phase One

Project #: 22031400343 P.O. #: CO884.00

ENVIROSCAN Report

All Risk Report - 2003 595831 ONTARIO INC. O/B
IAN HAWKINS 5646 Rideau Valley Road Ottawa
(Manotick) ON K4M1B3

Requested by:

Eleanor Goolab Date Completed: 03/21/2022 06:26:50



OPTA INFORMATION INTELLIGENCE

All Risk Report - 2003 595831 ONTARIO INC. O/B IAN HAWKINS 5646 Rideau Valley Road Ottawa (Manotick) ON K4M1B3

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(postal code)

SR/MA File No.

Confidential

(If any)

IBC Territory Code

Underwriter: Darlene Hart

IAO All Risk

(Now available through the IAO Web-site; www.iao.ca)
INSPECTION REPORT

Supplement/s attached: Yes No

1.0 BASIC II	NFORMATION		
Insured:	595831 Ontario Inc. o/b Ian Hawkins	Policy Number	
Date of survey (YYYY/MM/DD):	2003/08/05	IAO Loss Control Specialist:	Barry Cross
Person Contacted:	Ian Hawkins	Telephone No.	613 560-3466
Position			
Mailing Address if			IAO AIS No.: 71199059
Different for risk:			
	(unit # street # & name)	(City, Town, Village)	
Location Surveyed:	5646 Rideau Valley Road	Ottawa	Ontario (Province)
		(Manotick	K4M 1B3 (postal code)
	(unit # street # & name)	(City, Town, Village)	
Secondary address			(Province)

The <u>IAO Risk • Score</u> and comments contained in this report are based on conditions and practices observed during our survey and other pertinent data supplied by management personnel at the risk.

(City, Town, Village)

IBC Building Code: 6632

Broker: Bradley's Insurance

Recommendations in this report are made to point out those areas where remedial action could have the beneficial effect of making the above premises safer, and thus more desirable from an underwriting standpoint.

Thank you for choosing IAO to perform this inspection. Please do not hesitate to contact us if we can be of any further assistance.

2.0 IAO Risk • Score

(unit # street # & name)

	Comments
1 2 3 4 5 6 7 8 9	
Property	Rear wooden attachment in poor condition
Liability	No unusual liability hazards noted
Crime	No unusual crime hazards noted
(1=Excellent & 9=Poor)	

RISK ALERT ISSUED: Yes No If yes, describe (A risk alert is a telephone notification to the Inspection requestor, of a situation which could imminently cause a serious loss. A Critical Recommendation will be issued to address the situation.)

Committed to Service Excellence

IAO reports, prepared in compliance with commonly accepted risk control standards existing at the time services are rendered, are developed from an inspection of the premises and/or from data supplied by or on behalf of the Purchaser. IAO does not purport to list all hazards. While changes and modifications referred to in the reports are designed to upgrade protection and loss prevention of the premises, IAO assumes no responsibility for management and control of these activities. IAO will not be responsible to the Purchaser for any losses or damages, whether consequential or other, however caused, incurred of suffered, as a result of the services being provided.

Meaning of the IAO Risk •Score: The IAO Score is a grading of the risk inspected versus other risks in this class. Similar to the "Commercial" Fire Protection Grading system in design, there is range of 9 categories, with a grading or "score" of 1 being the most desirable. The IAO Score is based on a number of objective criteria pertaining to the risk at the time of our survey, tempered with the experienced judgement of our Loss Control Specialist. As a general guideline, the scores mean the following criteria:

onponen	jungement of our 2000 control of common the a general guidenite, and society mean the folio many crossian
1-3	Risks in this range are well maintained, with no apparent moral hazards or management problems. Undesirable features are non-existent and recommendations, if any, are minor. Risks in this category are excellent (no deficiencies) to better than average for their class.
4-6	The maintenance of Risks in this range is considered average. Moral hazards are not apparent, but there may be possible management problems (e.g. poor housekeeping). Undesirable features noted are correctable, and recommendations will vary from desirable to important. Risks in this category are considered average for their class.
7-9	Risks in this range tend to be poorly maintained. Moral hazards and management problems (e.g. poor housekeeping and maintenance, poor attitude) are evident. Significant undesirable conditions are present and cannot or will not be corrected. Critical Recommendations may be present. Risks in this category are significantly below average for their class with little or no indication for improvement.
3.0	<u>REMARKS</u>
	elf-serve car wash is operated by the owner, who is not normally on the premises. No special fire hazards re noted at the time of this survey.
No sp	ecial liability hazards were noted at the time of this survey.
No sp	ecial crime hazards were noted at the time of this survey.
4.0	RECOMMENDATIONS
"Critica should be highlight	tote that these recommendations are classified as either Critical, Important, or Desirable Improvement. All recommendations as those aimed at correcting undesirable feature/s which, if left unattended, could cause a serious loss and rectified immediately. This class of recommendation is only used in extreme situations. "Important" recommendations are intended to undesirable feature/s which if left unattended, could cause a serious loss and should be rectified as soon as possible. "Desirable ment" recommendations are those aimed at correcting an undesirable feature which can be improved when feasible, to help reduce the risk
∑ Li	sted below or None
03-1	Critical Important Desirable Improvement
	All portable fire extinguishers should be maintained in a fully charged and operable condition and be serviced and tagged annually to ensure reliability and proper working order. Your extinguishers were last checked or recharged in November, 1999. Applicable to Chloe's Confectionery
03-2	Critical Important Desirable Improvement

Critical Important Desirable Improvement

5.0 OCCUPANCY	/ INFORM	ATION	(IBC	Occupancy	Code 6632)		
The Insured is							
Owner Occupant		Non-	occupan	t building owner	Tenar	nt	
Name of building owner(if n	ot Insured):		•		Number of y	years bldg. Owned: 20	
Number of years at this locat	tion:20	Area occi	apied (so	q. m): 74	Business ho	urs: 24	
Days per week: 7 days			•	(optional):	Payroll (opt	ional):	
Previous loss history past 3 y Yes No Undet	vears ermined			Previous loss histo Yes No	ry past 6 years	,	
Explain loss history: Insured Values: Property: \$2	81,085			Contents: \$			
Combustibility of Occupancy	y: M3			Susceptibility of C	Occupancy: S4-H	eavy Damage	
Occupancy: Major	Γenant OR [Insured	IBC Ind	ustry Code:	or refer to	Occupancy Specific Supplement:	
Occupancy Description bar occupied by a tena contained fryer with b	nt. Equipm	ent for c				bar, gas bar and snack osed oven and self-	
Special Hazard Code(s): No	one		I	Description:			
Special Hazard Code(s):				Description:			
Name: Car wash		: (immediate exposures) Area occupied: 74 sq m IBC Code 5526				a 5526	
Occupancy Description:Self		•	•		IDC Cou	C 3320	
Special Hazard Code(s):Nor			escription:				
Special Hazard Code(s):		Description					
Name: 2 apartments	Area occ	upied: 14	13 sq m		IBC Cod	e 6631	
Occupancy Description:							
Special Hazard Code(s) Non	e Descript	ion:					
Special Hazard Code(s)	Descript	ion:					
Areas not surveyed:	For a	dditional te	enants se	ee attached list			
6.0 BUILDING C	ONSTRUC	CTION	(IBC I	<u>Major Constr</u>	uction CI	<u>ass 5</u>)	
Building condition: Ab	ove Average	⊠ Ave	erage	Moderate Moderate	deficiencies	Major deficiencies	
Year built: (yyyy) 1965			Area oc	ecupied by insured (s	sq. m): 74	Combustibility of Building M3	
Ground floor area (sq. m):	228 sq. r	n	Total fl	oor area (excl. bsmt.)	371 sq. m	
Height (excluding basement)	6.5 m		Numbe	Number of Stories: 2 (above grade)			
Basement: Yes	No		Area of	basement: (s	q. m)	Total area: 371 sq. m	
Additions (year & brief desc	ription):	Car wash	1983				
Renovations (year & brief description): None							

		Reinforced (Conorata	Masonry	•	Non Con	nbustible:	Brick/ston	o Wanaa	r: Wood frame:
Wall c	construction:	% (Officiete	20%: (solid b		%		37 %:		43 %: (alum. clad
wanc	onsu ucuon.	Other:) 2070. (SOIId OTICK)			Panels in		% Describ		45 70. (alulli. Clau
Floor	Construction:	Concrete: 62	0/0	Concrete	on me					Other: %
Roof		Flat	70	Slope		puii.	Pea		Г	Other
	Construction:	Concrete	e %		l deck	0/	+=-	od joist % 10	<u>Г</u>	Other: %
	Surface:					70	+=-		U <u>L</u>	_
Koork	Surface.	Tar & gi		Meta			X Asp	halt shingles	L	Rubber Membrane
		Wood S	nakes	Othe	er					
Resur	faced:	Yes		☐ No		Date: 1990				
Interio	or Finish Walls:	Combus		%		Non-combu			Open:	%
Interio	or Finish Ceiling			%	1	Non-combu —	stible: 100	%	Open:	%
Vertic	al Openings:	Non Non	ie	Stairs	[Elevato	r D	eck:	Oth	er
Horizo	ontal Separation	: Major P	artition C	onstruction		Not App	licable	Frame	☐ Dry	ywall on Studs
					[Concrete	Block		Oth	ner
		Proper (Opening P	rotection:		Yes	☐ No		No.	t Applicable
Mezza	anines: No	Yes	Combusti	ble: %						
Mezza	anines percentag	e of floor	%		1	Non-combu	stible:	%	Open: %	
Comb	ustible Conceale	ed Spaces:	No	Yes	I	If yes, describe and %				
	aled space prop	erly	□ NI.			∑ N	111.1.	C		
protec	ted		No	Yes	[Not app	oncable	Comment:		
Buildi	ng Description:									
		ing Mall \[\]			al Mal	1 Yes	⊠ No	Strip Mall:	Yes	No No
	Other	Describe : St	and alone	building						
7.0	<u>EXPOSU</u>	RES (Wit	<u>hin 50</u>	m of risk)					
									Opening	in Facing Wall
	Distance	Height	Co	nstruction		cupancy Hazard	Civic Nur (option	111001	Yes	No
Front	m	sto.	Open		None		(орион	u1)		
Rear	m	_sto.	Open		None	÷				
Left	<u>18</u> m	<u>2</u> sto.	Combusti		Light					
Right	<u>17</u> m	<u>2</u> sto.	Combusti		Light					
(For Ma	alls) Describe pa	irtition walls b	etween in	sured and othe	r tenar	its.				
8.0	COMMO	$\mathbf{N} \mathbf{H} \mathbf{A} 7 \mathbf{A} \mathbf{B}$	DS (H	eating, el	lacti	rical ni	lumbin	a)		
0.0	OOMINIO	VIIAZAII	<u>DO (11</u>	cating, ci	CCLI	ilcai, pi	umbin	<u>97</u>		
HEAT	ING:									
Forced	warm air:	⊠ Electr	ric40%	Gas	%	Oil	%	Other		
Suspen	ded unit heaters:	: Electr	ric %	6 Gas	%	Oil	%	Other		
	e heaters:	Electr	ric %	6 Gas	%	Oil	%	Other		
	baseboard units		• 0.		0/		0/	0.1		
Hot wa Other	ter/steam	Electr			% %	Oil Oil	% %	Other <u>none</u> -	20%	
							,,,	Cuici mone		
Boiler:	Yes		.ge (yyyy) nd Make:	<u> </u>				Inspection: (y	yyymmo	dd)
Applia	nces enclosed in	a non-combus	stible roor	n:		Yes		⊠ No		Not required:

Combustible n	naterials stored	in the room	:			Yes		☐ No	Not a	pplicable
									Age (yyyy)	
Fuel tanks:	⊠ None [Inside	Outside	:	Above	ground	Below	ground	Capacity (L)	_
Fill and vent p	iping: Inside	_	Yes		No No			N/A		
	Masonry		Factory bu	ilt		labelled	pre-fab	Other	r none	
Chimneys:	⊠ Standard		-standard							
Installation de		Non		ode	rate			Majo:	r	
Installation rep	olaced:	Yes	⊠ N		(yyyy))	%			
Comment:					(3333)					
ELECTRICA	<u>.L:</u>									
	onduit 🛮 🖾 B		Non-metalli	2		& Tube_			Other	
	ring or extension		No No		Yes_					
Overcurrent pi			uit Breakers		Fuses:	Ordi		Type P	Type D	Other
Installation de	fects:	Non Non			Mode	erate	Major			
Installation (w	iring) replaced:	Yes			No No		(yyyy) <u></u>		_%	
Partial change	s/extensions:	Yes			No No					
Comments:										
PLUMBING:	•									
_		<u> </u>		_	1					
Type:		Cop	per	L	Galvanize	ed	P1			her
Installation Re	placed:	Yes		\perp	No		(уууу		<u></u>	
Condition:		☐ Goo	d	Ļ	Fair		Po	oor	_	
Installation ap	pears safe:	Yes Yes			No					
CMOUNIC										
SMOKING:										
Smoking Restr	ricted:	☐ Yes		$\overline{}$	No					
"No Smoking"		⊠ Yes		F	No		Enfor	rced:	⊠ Yes	No
HOUSEKEE	PING:									
Good		⊠ Ave	erage			Poor			Unaccepta	ble
Comments:										
Comments:										
9.0 FIF	E DDOTE	CTION								
9.0 <u>FIF</u>	RE PROTE	CTION								
PUBLIC:										
F.U.S. Protect	ion Class, 05	Door	anding Fire	Da	nartmant. (Ottowa (Manatiak)		IICC Protection	on Grada 1
		Resp	onding Fire		_		wianotick)			on Grade 4
	Full time		⊠ Part		ne/Volunte	er		☐ Con	nposite	
Distance to Fi	re Department:	<u><2</u> km	Roads:		☑ Paved	Unpa	eved Acces	sible Year	r-round: Xes	s No
\triangleright	Public Water S	Supply	Priv	ate	Water Sup	ply				
No. Hydrants:		2 within			withi	• •	05 m		Over 305 m,	None
1vo. 11yarants.		<u>2</u> Within	155 111,	_	WILIII	11 150 5	05 111,		Over 505 m,	Livone
DDIWATE.										
PRIVATE: Are the follow	ving adequate?									
The the follow	g uucquate.	Yes	No				Data	e Last Serv	viced Comme	nts
Portable Extin	anishers							. 1999		1100
	=				NT.	/A 🔀	<u>IVOV.</u>	. 1 <i>777</i>		
Standpipe/Insi			片							
Watchman Ser				1		/A 🔀	.n			
Fire Detection		None	_	1	⊠ Part	tial, Desc	ribe: <u>Pull</u>	stations ir	n convenience stor	<u>e</u>
i) Type of	Detectors:	smoke de	etectors							

ii)	Detectors properly	\boxtimes		Desci	ribe:		
	located:						
iii)	Components listed by:	⊠ ULC	UL	Other			
iv)	Maintenance contract:			Company:		Telephone	e #:
v)	Connected to:	ULC Liste	d Station	Unlisted Service	e Fire/Police	Department	□ Local only
		Other:					
Auto	matic Sprinkler Protection	: None	☐ Fi	all Premises	Partial (describe)):	
		Sprinkle	r Supp	lement Attached	Yes	⊠ No	

10.0 ALL RISK :

Information Confirmed by: I. Hawkins/S. Nault

EARTHQUAKE

What is the earthquake zone: $\underline{2}$								
Is there any earthquake history in the area:	⊠ Yes		☐ No	Undetermined				
If Yes , describe history <u>Light tremors only</u>								
Any evidence of the following:								
Significant exterior wall or foundation cracks noted? Yes No Describe:								
Sagging? Yes No			Describe:					
FLOOD								
Is this establishment located on a flood plain:	Yes	No No						
Is it located near a body of water:	⊠ Yes	No No	Describe: <u>on water</u>					
Distance to nearest body of water:	<u>0 km.</u>		etermined					
Is there a history of flooding:	Yes	No No	If yes , give history:					
Evidence of water damage:	Yes	⊠ No	Describe:					
Years knowledge of risk: 20 yrs.								
WATER DAMAGE Plumbing is: ☐ Copper ☐ Galvanized	l ⊠ Plasti	ic 🗌 Oth	er Describe:					
Is there evidence of corrosion:	∏ Ye		Describe:					
Is the building sprinklered:	☐ Ye	_	Comment:	-				
Is stock susceptible to water damage:	☐ Ye	_	Describe:					
Are all window/skylight openings adequately sea		<u> </u>	Describe:					
Does water main pass under building:	□ Ye			-				
Is the roof covering adequate:	∑ Ye	_	Most recent roo	f repair date, if applicable				
Inside and/or roof storage tanks/process equipment	nt Ye	s 🛛 No	Describe:					
Tanks/equipment satisfactorily controlled:	— □ Ye	s No	Describe:					
Is there use of: ☐ skids ☐ Shelving	Floor Dr		overs over stock/equipn	nent Describe:				
Sewer Backup claim in the last three years:			Describe:					
COLLAPSE AND/OR SEWER BA	UNUP							
Is there any history of collapse:	Yes	⊠ No	Describe:					
Is there any history of sewer back-up:	Yes	⊠ No	Describe:					
Are sewer back-up protection devices in place:	Yes	No No	Describe:					

(All Risk Report Feb 25, 2002 R 4) SP201FORM

ADDITIONAL PERILS

Is lightning protection in place:		Yes	⊠ No	Describe:			
Is risk located within 5 km of air	port:	Yes	⊠ No	Beneath a flight p	oath:	Yes	⊠ No
Is the yard fenced:	Yes	⊠ No	Are gates lo	ocked when the pres	mises are closed:	Yes	☐ No
Is the yard and the exterior of the	e building lit:		⊠ Yes	☐ No			
Is the risk located in a high wind	d/hail area:	Yes	⊠ No	Describe:			
Are there visible signs of vandali	ism at the risk:	Yes	⊠ No	Describe::			
	In the area:	Yes	⊠ No	Describe:			
Is the risk protected from	Automobile	⊠ Yes	☐ No	Describe:Concret	te Curbs		
Impact exposure:	Aircraft	Yes	No No	Describe:			
	Train	Yes	No No				
	Boat	Yes	No No				
Comments							
Comments:							
11.0 BASIC PREMIS	SES LIARII	ITV					
11.0 DAOIOTILMIC	DEO LINDII	<u> </u>					
The following appeared to	n he satisfact	orv•					
Stairs, Ramps & Handrails:	Yes		□ N/A □	Comments			
Floor Surfaces & Coverings:	Yes						
Walls & Ceilings:	Yes						
Interior & Exterior Lighting:	Yes						
Emergency Lighting	Yes	⊠ No					
Interior & Exterior Housekeeping	g: Yes	No No	N/A				
Washrooms:	Yes	☐ No	□ N/A ⊠	Comments:			
Sidewalks, Yards & Parking Lot							
Fire Exits:	Yes						
Fire Alarm System (s):	Yes						
Snow & Ice Removal:	Yes						
Elevating devices in operation	Yes		□ N/A ⊠				
TV Satellite Dishes /Exterior Sig			N/A	Comments:			
CO detectors where required	Yes		□ N/A ⊠				
Swimming Pool Other	Yes Yes			Supplement att Comments:			
Other	1 68			comments			
12.0 BASIC CRIME		Defer to Ev	panded Crime	Sunnlament			
-E. DAOIO OITIME	I	KCICI W EX	panucu CHIIIt	Supplement			
Crime Experience	Low	⊠ Mo	derate	High			
Type of Neighbourhood:	Commercia	ıl 🔲 Ind	ustrial	Rural	■ Residential	☐ Isola	ated
Neighbourhood appears to be:	Stable Char	nging via:	Expa	ansion/growth	Renovation	Dete	erioration
Visible malicious damage:	Yes	No No					

(All Risk Report Feb 25, 2002 R 4) SP201FORM

BUSINESS

Automatic Teller Machine	e: Yes	⊠ No					
Safe on Premises:	Yes	⊠ No □	Unable	to Determine	,		
Guard Service:	Yes	⊠ No [Unable t	o Determine	Describe:		
Typical Stock:							
Smash & Grab exposure:	Yes	No ☐ Unable to Determine					
Comments:							
GENERAL PROTECTION The following appeared		·y:					
Exterior Lighting:	⊠Yes	□No [N/A	Comment	s:		
Interior Lighting:	⊠Yes	□No □	N/A	Comment	3:		
Roof Accessibility:	⊠Yes	□No □	N/A	Comment	s:		
Police Patrols:	⊠Yes	□No [N/A	Comment	s:		
Yard Fenced:	Yes	No	N/A	Describe:			
SECURITY ALARM SY	YSTEM						
Premises alarm system in	use: N/A	Yes	No	Disconne	cted Da	ate Installed: (yyyy)	
Monitored by: UL	C Listed Station	Unlisted	Station	Local Al	arm Un	Unable to Determine	
PHYSICAL PROTECT	PHYSICAL PROTECTION						
Door locks:	Deadbolt	Spring	Pan	ic	Other		
Windows Protected:	Yes	☐ No	N/A		If yes, descr	ribe	
Other Openings:	⊠ No	Yes	Protecto	ed:	☐ No	Yes	

OTHER COMMENTS:

(All Risk Report Feb 25, 2002 R 4) SP201FORM

APPENDIX II CHAIN OF TITLE



READ Abstracts Limited

331 Cooper Street, Suite 300, Ottawa, Ontario K2P 0A4
Email: search@readsearch.com

Tel.: 613-236-0664 Fax: 613-236-3677

ENVIRONMENTAL SEARCH

Terrapex

Attn: Greg Sabourin

BRIEF DESCRIPTION OF LAND:

5646 Manotick Main St.., Ottawa Part of Lot 4, Concession A North Gower (aka Concession Broken Front)

PIN: 03902-0885

LAST REGISTERED OWNER: 595831 Ontario Inc.

CHAIN OF TITLE:

Deed RO22 registered Jul 21, 1840 From John Harvey to John Lewis

Deed RO3711 registered Mar 16, 1848 From John Lewis to John Clothier

Deed RO18593 registered Jan 7, 1862 From John Clothier to Joshua Clothier

Deed NG3559 registered Mar 11, 1882 From Joshua Clothier to George Petapiece

Deed NG5451 registered Nov 12, 1914 From George Petapiece to Richard Halpenny

Deed BG5802 registered Apr 10, 1918 From Richard Halpenny to John Boucher

Deed BG8566 registered Jan 2, 1943 From John Boucher to John W. Boucher

Deed NG8339 registered Apr 16, 1949 From John W. Boucher to John Gamble Deed NG9069 registered May 23, 1951 From estate of John W. Boucher to Percy Boucher

Deed NG9095 registered Jul 23, 1951 From estate of John W. Boucher to The Director of the Veterans Land Act

Deed NG9278 registered Sep 23, 1952 From Percy Boucher to John Gamble

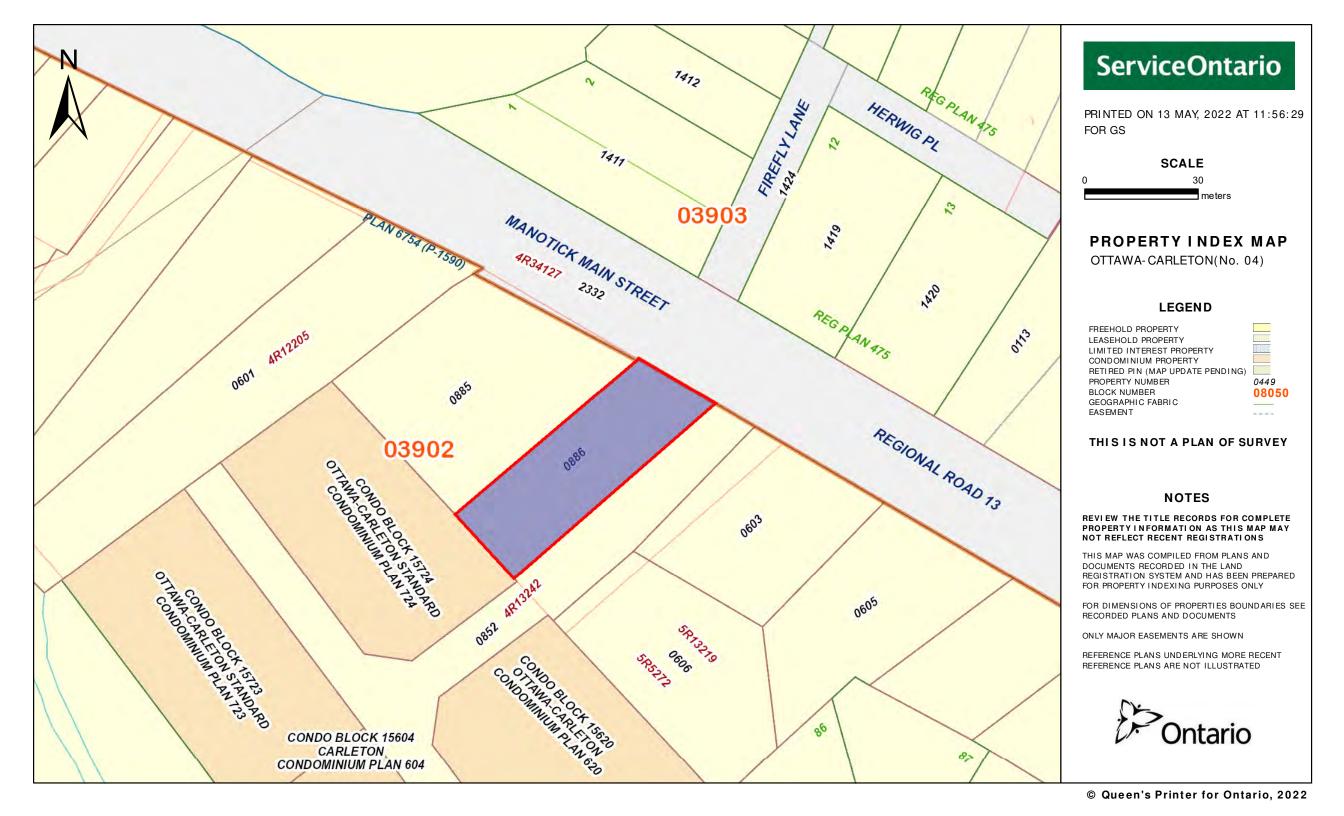
Deed NG11074 registered Mar 8, 1961 From John Gamble to Robert and Mabel Quail

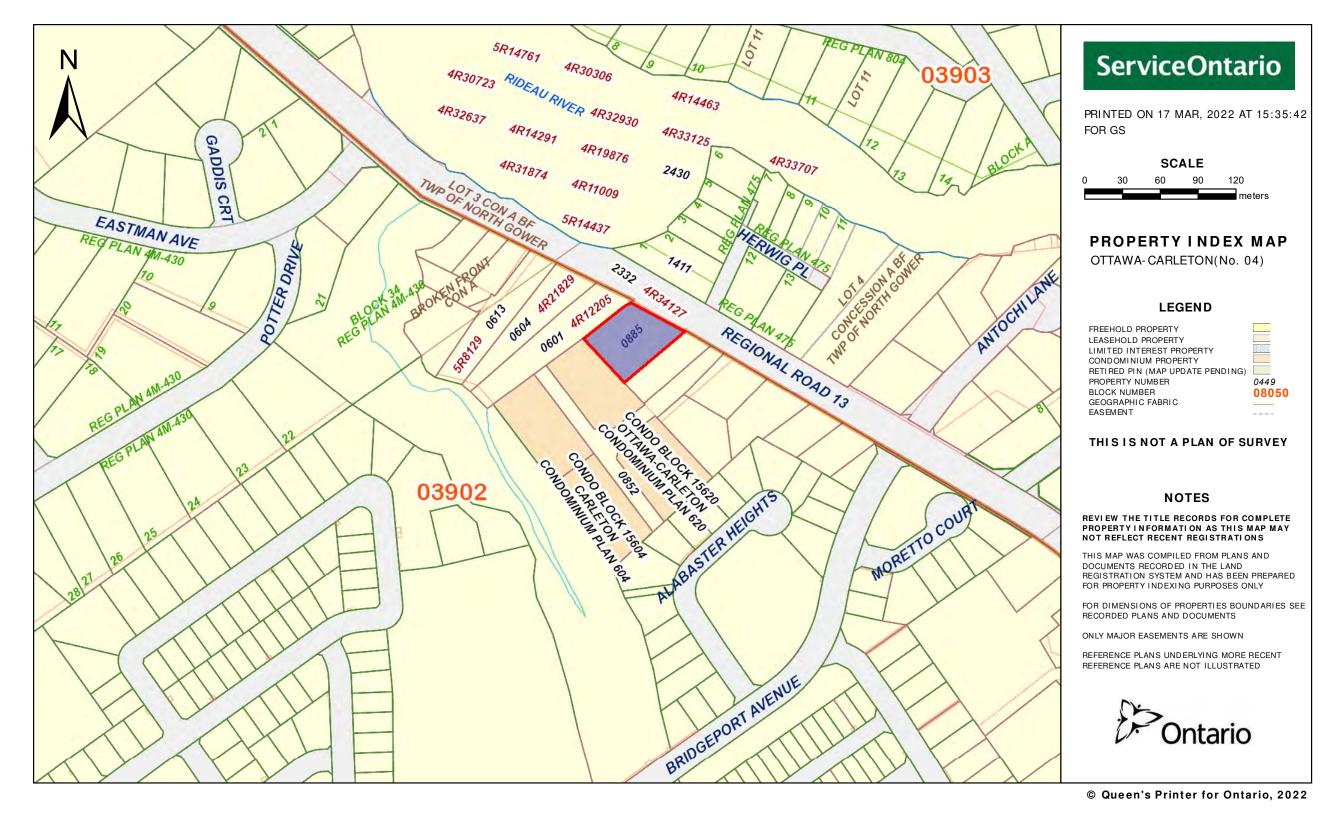
Deed NG11829 registered Oct 11, 1963 From The Director of the Veterans Land Act to Robert and Mabel Quail

Deed CT106859 registered Jul 7, 1969 From Robert and Mabel Quail to William and Lorna Wilson

Deed NS238435 registered May 4, 1984 From William and Lorna Wilson to Glenn and Marguerite Beggs

Deed NS268982 registered Dec 12, 1984 From Glenn and Marguerite Beggs to 595831 Ontario Inc.





APPENDIX III DIRECTORY SEARCH



Project Property: 5646 Manotick Main Street, Manotick, Ontario

Report Type: City Directory
Order No: 22031400343

Information Source: Vernon's Ottawa And Area City Directory

Date Completed: 17/03/03

**See Addendum Regarding Results

City Directory Information Source

Vernon's Ottawa And Area City Directory

PROJECT NUMBER: 22031400343	
Site Address:	5646 Manotick Main Street, Manotick, Ontario
Year: 2011	
Site Listing:	-Discount Tobacco & Grocery Shop
	-Sears Canada Inc
	-Sears Catalogue Pickup
	-Amerco Rentals
	-U Haul Co Ltd
Adjacent Properties:	
, ,	
5626 Manotick Main Street	-Address Not Listed
5628 Manotick Main Street	-Address Not Listed
5630 Manotick Main Street	-Address Not Listed
5632 Manotick Main Street	-Residential (2 Tenants)



5636 Manotick Main Street	-Vanis Construction
	-Select Software
	-Residential (2 Tenants)
5640 Manotick Main Street	-Address Not Listed
5649 Manotick Main Street	-Address Not Listed
5650 Manotick Main Street	-Residential (1 Tenant)
5652 Manotick Main Street	-Residential (1 Tenant)
5654 Manotick Main Street	-Residential (1 Tenant)

PROJECT NUMBER: 22031400343	
Site Address:	5646 Manotick Main Street, Manotick, Ontario
Year: 2006-2007	
Site Listing:	-Discount Tobacco & Grocery
	-Residential (2 Tenants)
Adjacent Properties:	



5626 Manotick Main Street	-Address Not Listed
5628 Manotick Main Street	-Residential (1 Tenant)
Economic Anni Charle	Build Wald Towns
5630 Manotick Main Street	-Residential (1 Tenant)
5632 Manotick Main Street	-Manotick Cycle Centre
3002 Manottek Main Street	-Manotick Lumber & Building Supplies
	-Cameron R&S
	Currentines
5636 Manotick Main Street	-Address Not Listed
5640 Manotick Main Street	-C&N Electric Ltd
5649 Manotick Main Street	-Residential (1 Tenant)
5650 Manotick Main Street	-Residential (1 Tenant)
5652 Manotick Main Street	-Residential (1 Tenant)
5654 Manotick Main Street	-Residential (1 Tenant)

PROJECT NUMBER: 22031400343	



Site Address:	5646 Manotick Main Street, Manotick, Ontario
Year: 2000	
Site Listing:	-Residential (1 Tenant)
Adjacent Properties:	
5626 Manotick Main Street	-Address Not Listed
3020 Wallottek Wall Street	-Address Not Listed
5628 Manotick Main Street	-Residential (1 Tenant)
5630 Manotick Main Street	-Residential (1 Tenant)
5632 Manotick Main Street	-Residential (1 Tenant)
5636 Manotick Main Street	-Address Not Listed
5640 Manotick Main Street	-C&N Electric Ltd
5540.04	Address North Start
5649 Manotick Main Street	-Address Not Listed
5650 Manotick Main Street	-Residential (1 Tenant)
5652 Manotick Main Street	-Residential (1 Tenant)



5654 Manotick Main Street	-Residential (1 Tenant)

PROJECT NUMBER: 22031400343	
Site Address:	5646 Manotick Main Street, Manotick, Ontario
Year: 1996	
Site Listing:	-Hawkins Gas -Residential (1 Tenant)
Adjacent Properties:	
5626 Manotick Main Street	-Manotick Cycle Centre
5628 Manotick Main Street	-Residential (1 Tenant)
5630 Manotick Main Street	-Residential (1 Tenant)
5632 Manotick Main Street	-Address Not Listed
5636 Manotick Main Street	-Address Not Listed



5640 Manotick Main Street	-C&N Electric Ltd
5649 Manotick Main Street	-Address Not Listed
5650 Manotick Main Street	-Residential (1 Tenant)
5652 Manotick Main Street	-Residential (1 Tenant)
5654 Manotick Main Street	-Residential (2 Tenants)

PROJECT NUMBER: 22031400343	
Site Address:	5646 Manotick Main Street, Manotick, Ontario
Year: 1992	
Site Listing:	-Residential (1 Tenant)
A Proceedings	
Adjacent Properties:	
5626 Manotick Main Street	-Upper Manotick Cycle Centre
5020 Manotick Main Street	-оррег малонск сусте септте
5628 Manotick Main Street	-Address Not Listed
3020 Manotick Main Street	Addiess Not Listed



5630 Manotick Main Street	-Residential (1 Tenant)
5632 Manotick Main Street	-Address Not Listed
5636 Manotick Main Street	-Address Not Listed
	, tual ess trot elstea
5640 Manotick Main Street	-Address Not Listed
5649 Manotick Main Street	-Address Not Listed
5650 Manotick Main Street	-Residential (1 Tenant)
5652 Manotick Main Street	-Residential (1 Tenant)
FCFA Manatiak Main Street	Decidential (2 Tenents)
5654 Manotick Main Street	-Residential (2 Tenants)

- -All listings for businesses were listed as they are in the city directory.
- -Listings that are residential are listed as "residential" with the number of tenants. The name of the residential tenant is not listed in the above city directory.
- ** Manotick, Ontario is listed from 2011 to 1999 within the city directory archives **



APPENDIX IV ERIS REPORT



Project Property: CO884.00 - Phase One ESA - 5646

Manotick Main Street

5646 Manotick Main Street Manotick ON K4M 1B3

Project No: CO884.00

Report Type: Quote - Custom-Build Your Own Report

Order No: 22030300700

Terrapex Environmental Ltd. Requested by:

Date Completed: March 10, 2022

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Executive Summary

D.,	I f 4!
Property .	Information:

Project Property: CO884.00 - Phase One ESA - 5646 Manotick Main Street

5646 Manotick Main Street Manotick ON K4M 1B3

Order No: 22030300700

Project No: CO884.00

Order Information:

 Order No:
 22030300700

 Date Requested:
 March 3, 2022

Requested by: Terrapex Environmental Ltd.

Report Type: Quote - Custom-Build Your Own Report

Historical/Products:

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	Υ	0	0	0
AMIS	Abandoned Mine Information System	Υ	0	0	0
ANDR	Anderson's Waste Disposal Sites	Υ	0	0	0
AST	Aboveground Storage Tanks	Υ	0	0	0
AUWR	Automobile Wrecking & Supplies	Υ	0	0	0
BORE	Borehole	Υ	0	4	4
CA	Certificates of Approval	Υ	0	0	0
CDRY	Dry Cleaning Facilities	Υ	0	0	0
CFOT	Commercial Fuel Oil Tanks	Υ	0	0	0
CHEM	Chemical Manufacturers and Distributors	Υ	0	0	0
СНМ	Chemical Register	Υ	0	0	0
CNG	Compressed Natural Gas Stations	Υ	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Υ	0	0	0
CONV	Compliance and Convictions	Υ	0	0	0
CPU	Certificates of Property Use	Υ	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Υ	0	0	0
EASR	Environmental Activity and Sector Registry	Υ	0	0	0
EBR	Environmental Registry	Υ	0	0	0
ECA	Environmental Compliance Approval	Υ	0	0	0
EEM	Environmental Effects Monitoring	Υ	0	0	0
EHS	ERIS Historical Searches	Υ	0	0	0
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Υ	0	0	0
EPAR	Environmental Penalty Annual Report	Υ	0	0	0
EXP	List of Expired Fuels Safety Facilities	Υ	0	0	0
FCON	Federal Convictions	Υ	0	0	0
FCS	Contaminated Sites on Federal Land	Υ	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Υ	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	1	13	14
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	1	1

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Υ	0	0	0
INC	Fuel Oil Spills and Leaks	Υ	0	0	0
LIMO	Landfill Inventory Management Ontario	Υ	0	0	0
MINE	Canadian Mine Locations	Υ	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System	Y	0	0	0
NCPL	(NATES) Non-Compliance Reports	Υ	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Υ	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal	Y	0	0	0
NEBI	Sites National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Υ	0	0	0
NPCB	National PCB Inventory	Υ	0	0	0
NPRI	National Pollutant Release Inventory	Υ	0	0	0
OGWE	Oil and Gas Wells	Υ	0	0	0
OOGW	Ontario Oil and Gas Wells	Υ	0	0	0
OPCB	Inventory of PCB Storage Sites	Υ	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Υ	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Υ	0	0	0
PES	Pesticide Register	Υ	0	0	0
PINC	Pipeline Incidents	Υ	0	1	1
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	Υ	0	0	0
SPL	Ontario Spills	Υ	0	0	0
SRDS	Wastewater Discharger Registration Database	Υ	0	0	0
TANK	Anderson's Storage Tanks	Υ	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR WDS	Variances for Abandonment of Underground Storage Tanks Waste Disposed Sites MOE CA Inventory	Y Y	0	0	0
	Waste Disposal Sites - MOE AND Historical Approval	Υ Υ	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory		-		-
WWIS	Water Well Information System	Y	1	37	38
	-	Total:	2	56	58

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	GEN	595831 Ontario Inc.	5646 MANOTICK MAIN MANOTICK ON K4M 1B3	W/0.0	-0.50	<u>21</u>
<u>2</u>	wwis		lot 4 ON	W/0.0	-0.50	<u>21</u>

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>3</u>	PINC		5640 Manotick Main Street, Ottawa ON	WNW/13.5	-1.65	<u>23</u>
<u>3</u>	GEN	C & N Electric Ltd	5640 Manotick Main St Manotick ON K4M 1B3	WNW/13.5	-1.65	<u>24</u>
<u>4</u>	wwis		1017 KITOMAN CRESCENT MANOTICK ON <i>Well ID:</i> 7298148	NW/20.7	-1.59	<u>24</u>
<u>5</u>	wwis		lot 4 ON <i>Well ID:</i> 1506496	E/27.4	0.50	<u>26</u>
<u>6</u>	wwis		5636 MANOTICK MAIN STREET lot 2 MANOTICK ON Well ID: 7112930	NW/50.7	-1.47	<u>29</u>
<u>7</u>	wwis		lot 4 ON <i>Well ID:</i> 1506500	NW/51.7	-1.47	<u>35</u>
<u>8</u>	wwis		lot 4 ON <i>Well ID:</i> 1506497	ESE/52.3	1.94	<u>37</u>
9	wwis		lot 4 ON <i>Well ID:</i> 1506505	ENE/53.1	-1.45	<u>40</u>
<u>10</u>	BORE		ON	NNW/75.0	-2.53	<u>43</u>
<u>11</u>	wwis		lot 4 ON <i>Well ID:</i> 1506503	NE/85.3	-2.50	<u>44</u>
12	wwis		lot 4 ON <i>Well ID:</i> 1506501	ENE/90.0	-0.89	<u>46</u>
<u>13</u>	wwis		5647 HERWIG PLACE RIDEAU lot 9 MANOTICK ON	ENE/116.5	-2.19	<u>49</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7109789			
<u>13</u>	HINC		5647 HERWIG PLACE OTTAWA ON	ENE/116.5	-2.19	<u>51</u>
<u>14</u>	wwis		5659 MANOTICK MAIN STREET lot 4 con A MONOTICK ON <i>Well ID</i> : 7299183	E/122.5	0.81	<u>51</u>
<u>15</u>	wwis		5645 HERWIG PLACE lot 8 MANOTICK ON	ENE/123.3	-2.19	<u>54</u>
			Well ID: 7108187			
<u>16</u>	WWIS		5649 HERWING PLACE MANOTICK ON	ENE/128.0	-1.53	<u>61</u>
			Well ID: 7243008			
<u>17</u>	WWIS		lot 4 ON	E/129.4	0.50	<u>68</u>
			Well ID: 1517651			
18	wwis		5647 HERWIG PLACE lot 9 MANOTICK ON	ENE/129.7	-2.19	<u>72</u>
			Well ID: 7108186			
<u>19</u>	WWIS		lot 4 ON	NE/131.0	-1.45	<u>79</u>
			Well ID: 1510132			
<u>20</u>	WWIS		5649 HERWING PLACE MANOTICK ON	ENE/131.9	-1.53	<u>81</u>
			Well ID: 7243009			
<u>21</u>	wwis		5649 HERWIG PLACE MANOTICK ON	ENE/139.3	-1.53	<u>89</u>
			Well ID: 7242995			
<u>22</u>	WWIS		5659 MANOTICK MAIN ST lot 4 con A MANOTICK ON	E/141.4	-0.89	<u>91</u>
			Well ID: 7321150			
<u>23</u>	WWIS		5659 MANOTICK MAIN ST MANOTICK ON	E/147.7	-0.89	<u>98</u>
			Well ID: 7321066			
<u>24</u>	WWIS		lot 4 ON	SSE/152.7	3.47	<u>101</u>
			Well ID: 1506495			
<u>25</u>	wwis		lot 4 ON	E/155.9	-1.10	<u>103</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1506494			
<u>26</u>	GEN	City of ottawa	5669 Rideau Valley Drive North Ottawa ON	ESE/160.6	3.20	<u>105</u>
<u>26</u>	GEN	City of ottawa	5669 Rideau Valley Drive North Ottawa ON	ESE/160.6	3.20	106
<u>26</u>	GEN	City of ottawa	5669 Rideau Valley Drive North Ottawa ON	ESE/160.6	3.20	<u>106</u>
<u>26</u>	GEN	City of ottawa	5669 Rideau Valley Drive North Ottawa ON	ESE/160.6	3.20	106
<u>26</u>	GEN	City of ottawa	5669 Rideau Valley Drive North Ottawa ON	ESE/160.6	3.20	<u>107</u>
<u>26</u>	GEN	City of ottawa	5669 Rideau Valley Drive North Ottawa ON	ESE/160.6	3.20	<u>107</u>
<u>26</u>	GEN	City of ottawa	5669 Rideau Valley Drive North Ottawa ON K4M 1C8	ESE/160.6	3.20	<u>107</u>
<u>26</u>	GEN	City of ottawa	5669 Rideau Valley Drive North Ottawa ON K4M 1C8	ESE/160.6	3.20	<u>107</u>
<u>26</u>	GEN	City of ottawa	5669 Rideau Valley Drive North Ottawa ON K4M 1C8	ESE/160.6	3.20	108
<u>26</u>	GEN	City of ottawa RPAM	5669 Rideau Valley Drive North Ottawa ON K4M 1C8	ESE/160.6	3.20	108
<u>26</u>	GEN	City of ottawa RPAM	5669 Rideau Valley Drive North Ottawa ON K4M 1C8	ESE/160.6	3.20	108
<u>26</u>	GEN	City of ottawa RPAM	5669 Rideau Valley Drive North Ottawa ON K4M 1C8	ESE/160.6	3.20	<u>108</u>
<u>27</u>	wwis		POTTER DR + MANOTIC MAIN ST lot 4 con A MANOTICK ON	WSW/168.6	-1.50	<u>109</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7181760			
<u>28</u>	wwis		lot 4 ON <i>Well ID:</i> 1518656	ESE/169.5	3.50	113
<u>29</u>	BORE		ON	SE/173.8	4.67	116
<u>30</u>	wwis		lot 4 ON <i>Well ID:</i> 1513374	E/179.3	-1.61	<u>117</u>
<u>31</u>	wwis		POTTER DR + HANOTICK MAIN ST lot 4 con A MANOTICK ON Well ID: 7181759	SW/186.2	-1.36	<u>121</u>
<u>32</u>	wwis		lot 3 ON <i>Well ID:</i> 1506487	WNW/192.9	-1.41	128
<u>33</u>	wwis		lot 3 ON <i>Well ID:</i> 1506489	WNW/200.4	-1.41	<u>131</u>
34	wwis		lot 4 ON <i>Well ID:</i> 1506504	E/202.3	2.14	134
<u>35</u>	BORE		ON	E/202.4	2.14	<u>136</u>
<u>36</u>	wwis		5676 RIDEAU VALLEY DR. lot 4 con A MANOTICK ON Well ID: 7173907	ESE/212.4	4.88	137
<u>37</u>	BORE		ON	ENE/223.7	0.42	140
<u>38</u>	wwis		ON <i>Well ID</i> : 1510424	ENE/223.8	0.42	<u>141</u>
<u>39</u>	wwis		lot 4 ON <i>Well ID</i> : 1506506	ESE/225.5	5.69	<u>144</u>
<u>40</u>	wwis		lot 4 con A ON	E/226.0	-1.50	147

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1533319			
<u>41</u>	wwis		ON Well ID: 1510363	NNE/226.9	3.14	<u>150</u>
<u>42</u>	wwis		5624 South River Drive MANOTICK ON Well ID: 7324272	NNE/233.3	3.15	152
<u>43</u>	WWIS		5624 south river drive MANOTICK ON Well ID: 7324268	NNE/237.3	3.15	<u>160</u>
<u>44</u>	WWIS		lot 4 ON <i>Well ID:</i> 1506508	ESE/239.8	6.19	<u>161</u>
<u>45</u>	wwis		lot 4 ON <i>Well ID</i> : 1506507	ESE/248.4	6.14	<u>164</u>

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 4 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	Distance (m)	Map Key
	ON	75.0	<u>10</u>
	ON	173.8	<u>29</u>
	ON	202.4	<u>35</u>
	ON	223.7	<u>37</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Nov 30, 2021 has found that there are 14 GEN site(s) within approximately 0.25 kilometers of the project property.

Site 595831 Ontario Inc.	Address 5646 MANOTICK MAIN MANOTICK ON K4M 1B3	Distance (m) 0.0	<u>Map Key</u> <u>1</u>
C & N Electric Ltd	5640 Manotick Main St Manotick ON K4M 1B3	13.5	3
City of ottawa	5669 Rideau Valley Drive North Ottawa ON	160.6	<u>26</u>
City of ottawa	5669 Rideau Valley Drive North Ottawa ON	160.6	<u>26</u>

<u>Site</u>	<u>Address</u>	Distance (m)	Map Key
City of ottawa	5669 Rideau Valley Drive North Ottawa ON	160.6	<u>26</u>
City of ottawa	5669 Rideau Valley Drive North Ottawa ON	160.6	<u>26</u>
City of ottawa	5669 Rideau Valley Drive North Ottawa ON	160.6	<u>26</u>
City of ottawa	5669 Rideau Valley Drive North Ottawa ON	160.6	<u>26</u>
City of ottawa	5669 Rideau Valley Drive North Ottawa ON K4M 1C8	160.6	<u>26</u>
City of ottawa	5669 Rideau Valley Drive North Ottawa ON K4M 1C8	160.6	<u>26</u>
City of ottawa RPAM	5669 Rideau Valley Drive North Ottawa ON K4M 1C8	160.6	<u>26</u>
City of ottawa RPAM	5669 Rideau Valley Drive North Ottawa ON K4M 1C8	160.6	<u>26</u>
City of ottawa	5669 Rideau Valley Drive North Ottawa ON K4M 1C8	160.6	<u>26</u>
City of ottawa RPAM	5669 Rideau Valley Drive North Ottawa ON K4M 1C8	160.6	<u>26</u>

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	Distance (m)	Map Key
	5647 HERWIG PLACE OTTAWA ON	116.5	<u>13</u>

PINC - Pipeline Incidents

A search of the PINC database, dated May 31, 2021 has found that there are 1 PINC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	Distance (m)	<u>Map Key</u>
	5640 Manotick Main Street, Ottawa	13.5	<u>3</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Sep 30, 2021 has found that there are 38 WWIS site(s) within approximately 0.25 kilometers of the project property.

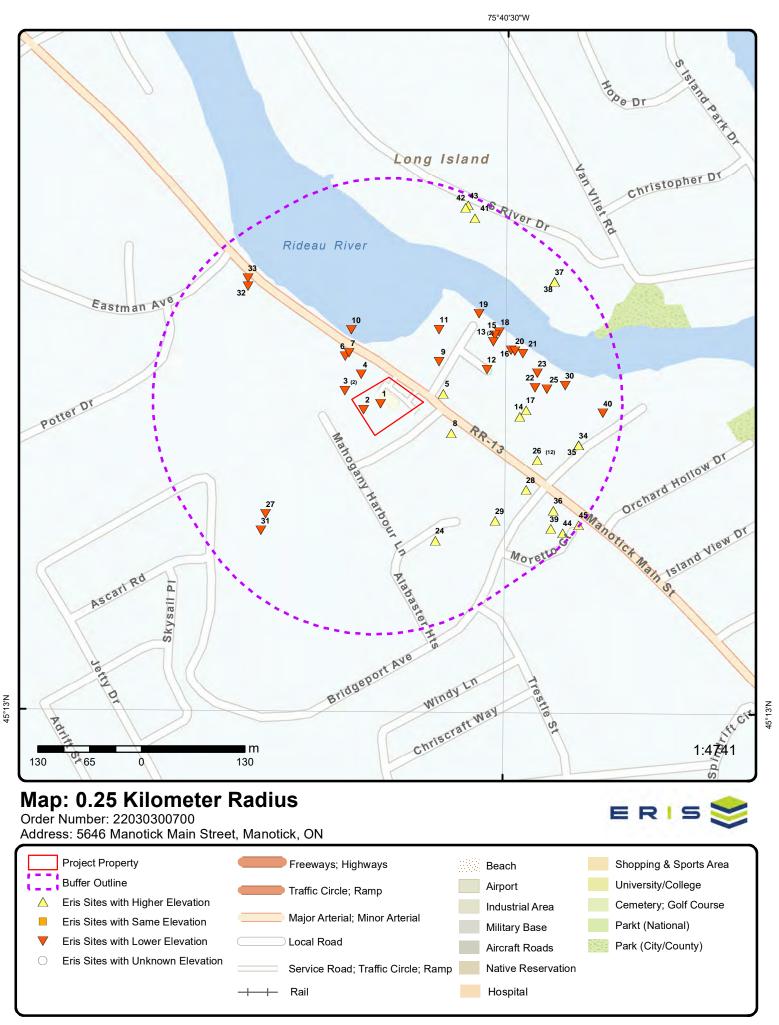
<u>Site</u>	Address lot 4 ON	<u>Distance (m)</u> 0.0	Map Key
	Well ID: 1506502		
	1017 KITOMAN CRESCENT MANOTICK ON	20.7	<u>4</u>
	Well ID: 7298148		
	lot 4 ON	27.4	<u>5</u>
	Well ID: 1506496		
	5636 MANOTICK MAIN STREET lot 2 MANOTICK ON	50.7	<u>6</u>
	Well ID: 7112930		
	lot 4 ON	51.7	<u>7</u>
	Well ID: 1506500		
	lot 4 ON	52.3	<u>8</u>

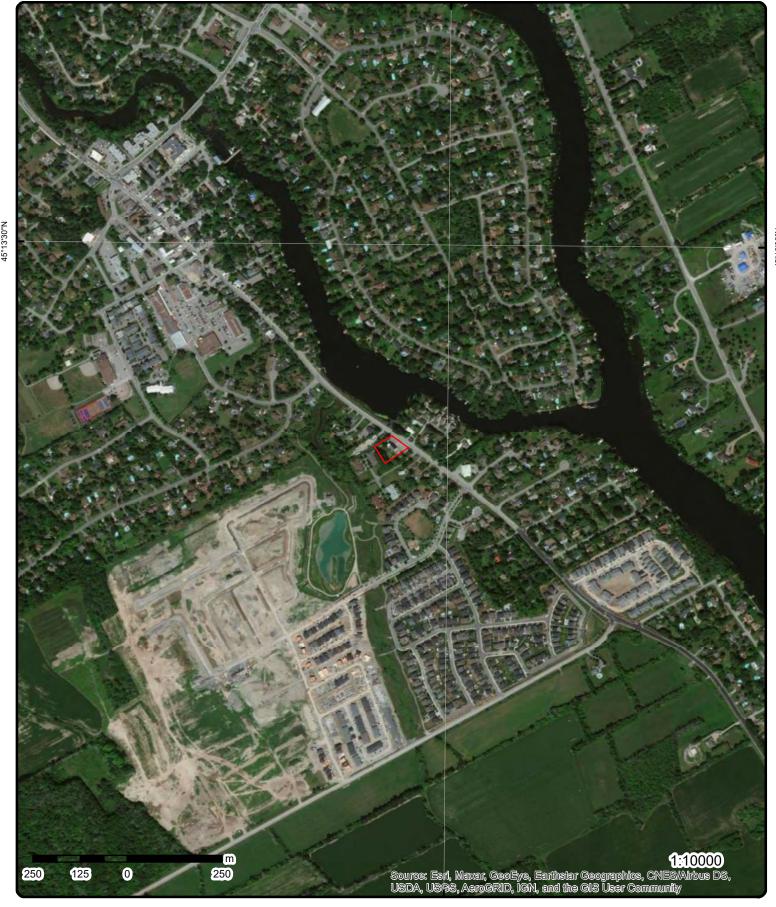
C	i	4	^
J	ı	ι	C

Address Well ID: 1506497	Distance (m)	Map Key
lot 4 ON	53.1	<u>9</u>
Well ID: 1506505		
lot 4 ON	85.3	<u>11</u>
Well ID: 1506503		
lot 4 ON	90.0	<u>12</u>
Well ID: 1506501		
5647 HERWIG PLACE RIDEAU lot 9 MANOTICK ON	116.5	<u>13</u>
Well ID: 7109789		
5659 MANOTICK MAIN STREET lot 4 con A MONOTICK ON	122.5	<u>14</u>
Well ID: 7299183		
5645 HERWIG PLACE lot 8 MANOTICK ON	123.3	<u>15</u>
Well ID: 7108187		
5649 HERWING PLACE MANOTICK ON	128.0	<u>16</u>
Well ID: 7243008		
lot 4 ON	129.4	<u>17</u>
Well ID: 1517651		
5647 HERWIG PLACE lot 9 MANOTICK ON	129.7	<u>18</u>
Well ID: 7108186		
lot 4 ON	131.0	<u>19</u>
Well ID: 1510132		
5649 HERWING PLACE MANOTICK ON	131.9	<u>20</u>
Well ID: 7243009		

Address 5649 HERWIG PLACE MANOTICK ON	<u>Distance (m)</u> 139.3	<u>Map Key</u>
Well ID : 7242995		
5659 MANOTICK MAIN ST lot 4 con A MANOTICK ON	141.4	<u>22</u>
Well ID: 7321150		
5659 MANOTICK MAIN ST MANOTICK ON	147.7	<u>23</u>
Well ID: 7321066		
lot 4 ON	152.7	<u>24</u>
Well ID: 1506495		
lot 4 ON	155.9	<u>25</u>
Well ID: 1506494		
POTTER DR + MANOTIC MAIN ST lot 4 con A MANOTICK ON Well ID: 7181760	168.6	<u>27</u>
lot 4 ON	169.5	<u>28</u>
Well ID: 1518656		
lot 4 ON	179.3	<u>30</u>
Well ID: 1513374		
POTTER DR + HANOTICK MAIN ST lot 4 con A MANOTICK ON	186.2	<u>31</u>
Well ID: 7181759		
lot 3 ON	192.9	<u>32</u>
Well ID: 1506487		
lot 3 ON	200.4	<u>33</u>
Well ID: 1506489		
lot 4 ON	202.3	<u>34</u>

Address Well ID: 1506504	Distance (m)	<u>Map Key</u>
5676 RIDEAU VALLEY DR. lot 4 con A MANOTICK ON	212.4	<u>36</u>
Well ID: 7173907		
ON	223.8	<u>38</u>
Well ID: 1510424		
lot 4 ON	225.5	<u>39</u>
Well ID: 1506506		
lot 4 con A ON	226.0	<u>40</u>
Well ID: 1533319		
ON	226.9	<u>41</u>
Well ID: 1510363		
5624 South River Drive MANOTICK ON	233.3	<u>42</u>
Well ID: 7324272		
5624 south river drive MANOTICK ON	237.3	<u>43</u>
Well ID: 7324268		
lot 4 ON	239.8	<u>44</u>
Well ID: 1506508		
lot 4 ON	248.4	<u>45</u>
Well ID: 1506507		





Aerial Year: 2020 Order Number: 22030300700

Address: 5646 Manotick Main Street, Manotick, ON

Source: ESRI World Imagery

ERIS

Topographic Map

Address: 5646 Manotick Main Street, ON

Source: ESRI World Topographic Map

Order Number: 22030300700



Detail Report

Мар Кеу	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
1	1 of 1		W/0.0	85.9 / -0.50	595831 Ontario Inc. 5646 MANOTICK MA MANOTICK ON K4M		GEN
Generator No SIC Code: SIC Descripte Approval Yea PO Box No: Country:	tion:	ON88326 447190 Other Ga 07,08	860 asoline Stations		Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:		
<u>Detail(s)</u>							
Waste Class: Waste Class			221 LIGHT FUELS				
<u>2</u>	1 of 1		W/0.0	85.9 / -0.50	lot 4 ON		wwis
Well ID:		1506502			Data Entry Status:		
Construction					Data Src:	1	
Primary Water		Domestic			Date Received:	1/9/1957	
Sec. Water U Final Well St		0 Water Su	innly		Selected Flag: Abandonment Rec:	TRUE	
Water Type:	atus.	water St	арріу		Contractor:	3601	
Casing Mater	rial:				Form Version:	1	
Audit No:					Owner:		
Tag:					Street Name:		
Construction	า				County:	OTTAWA	
Method: Elevation (m Elevation Re					Municipality: Site Info:	NORTH GOWER TOWNSHIP	
Depth to Bed					Lot:	004	
Well Depth:					Concession:		
Overburden/ Pump Rate: Static Water Flowing (Y/N Flow Rate: Clear/Cloudy	Level: l):				Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	BF	
PDF URL (Ma			https://d2khazk8e83	Brdv.cloudfront.ne	et/moe_mapping/downloads/	/2Water/Wells_pdfs/150\1506502.pdf	

Order No: 22030300700

Additional Detail(s) (Map)

 Well Completed Date:
 1956/11/04

 Year Completed:
 1956

 Depth (m):
 13.4112

 Latitude:
 45.2200795153563

 Longitude:
 -75.6772663658669

 Path:
 150\1506502.pdf

Bore Hole Information

Elevation:

18

446825.80 5007622.00

unknown UTM

Order No: 22030300700

Elevrc:

East83:

North83:

Org CS:

UTMRC: UTMRC Desc:

Location Method:

Zone:

Bore Hole ID: 10028538

DP2BR: Spatial Status:

Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed:

04-Nov-1956 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

931004684 Formation ID:

Layer: 2

Color:

General Color:

Mat1:

GRAVEL Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

40.0 Formation Top Depth: Formation End Depth: 44.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004683

Layer: Color:

General Color:

Mat1:

05 CLAY Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 40.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

961506502 **Method Construction ID: Method Construction Code:**

Cable Tool **Method Construction:**

Other Method Construction:

Pipe Information

10577108 Pipe ID:

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930049816

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 44.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506502

Pump Set At:

Static Level: 6.0
Final Level After Pumping: 6.0
Recommended Rump Ponth

Recommended Pump Depth:

Pumping Rate: 3.0

Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft

Rate UOM:

Water State After Test Code:

Water State After Test:

Pumping Test Method:

Pumping Duration HR:

Pumping Duration MIN:

Flowing:

GPM

1

CLEAR

1

CLEAR

0

No

Water Details

Water ID: 933460653

Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 44.0
Water Found Depth UOM: ft

3 1 of 2 WNW/13.5 84.7 / -1.65 5640 Manotick Main Street, Ottawa PINC

Incident ID: Incident No: 845360

Incident No. 0455

Incident Reported Dt:

Type: FS-Pipeline Incident

Status Code: Pipeline Damage Reason Est

Tank Status:RC EstablishedTask No:3910554

Spills Action Centre:

Fuel Type:

Fuel Occurrence Tp: Date of Occurrence:

Occurrence Start Dt: 2012/07/30

Depth:

Customer Acct Name: Incident Address: Pipe Material:

Fuel Category: Natural Gas

Health Impact:

Environment Impact:

Property Damage: Yes

Service Interrupt:

Enforce Policy: Yes

Public Relation: Pipeline System:

PSIG:

Attribute Category: FS-Perform P-line Inc Invest

Regulator Location:

Method Details: E-mail

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

Operation Type: Pipeline Type: Regulator Type:

5640 Manotick Main Street, Ottawa - 1" Pipeline Hit Summary:

Reported By: Affiliation:

Jeff.Stiles@enbridge.com

Occurrence Desc:

Damage Reason:

Excavation practices not sufficient

Notes:

84.7 / -1.65 C & N Electric Ltd 2 of 2 WNW/13.5 3 **GEN**

Status:

5640 Manotick Main St Manotick ON K4M 1B3

ON5554470 Generator No: SIC Code: 238210

ELECTRICAL CONTRACTORS, ELECTRICAL SIC Description: CONTRACTORS AND OTHER WIRING

Approval Years: 2016

PO Box No: Country: Canada Co Admin: CO_OFFICIAL Choice of Contact:

Phone No Admin:

Contam. Facility: No MHSW Facility: No

Detail(s)

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

1 of 1 NW/20.7 84.8 / -1.59 1017 KITOMAN CRESCENT 4 MANOTICK ON

WWIS

NORTH GOWER TOWNSHIP

Order No: 22030300700

Well ID: 7298148 Data Entry Status:

Construction Date: Data Src: Primary Water Use: Date Received: 10/31/2017 Sec. Water Use: Selected Flag: TRUE Final Well Status: 0 Abandonment Rec: 6364

Contractor: Water Type: Casing Material: Form Version:

Audit No: Z224176 Owner: A204609

Street Name: 1017 KITOMAN CRESCENT Tag:

Construction Method: OTTAWA County:

Elevation (m): Municipality: Elevation Reliability: Site Info: Depth to Bedrock: Lot: Well Depth: Concession: Overburden/Bedrock: Concession Name:

Easting NAD83: Pump Rate: Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

Flow Rate: Clear/Cloudy: UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/729\7298148.pdf

Additional Detail(s) (Map)

Well Completed Date: 2017/10/03 Year Completed: 2017

Depth (m):

45.2204753456116 Latitude: Longitude: -75.6773067285788 Path: 729\7298148.pdf

Elevation:

18

wwr

446823.00

5007666.00 UTM83

margin of error: 30 m - 100 m

Order No: 22030300700

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

Bore Hole Information

Bore Hole ID: 1006786113

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole:

Cluster Kind:

Date Completed: 03-Oct-2017 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

1006960092 Formation ID:

ft

1006960097

Layer: Color:

General Color:

Mat1:

Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: Formation End Depth:

Formation End Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: Method Construction Code:

Method Construction: Other Method Construction:

Pipe Information

Pipe ID: 1006960091

Casing No:

Comment: Alt Name:

Construction Record - Casing

1006960095 Casing ID:

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: 1006960096

Layer: Slot:

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

Screen Diameter:

Water Details

Water ID: 1006960094

Layer:

Kind Code: 8

Kind: Untested

Water Found Depth: Water Found Depth UOM:

Hole Diameter

Hole ID: 1006960093

Diameter: Depth From: Depth To:

Hole Depth UOM: ft
Hole Diameter UOM: inch

5 1 of 1 E/27.4 86.9 / 0.50 lot 4 WWIS

Well ID: 1506496 Data Entry Status:

ft

Construction Date: Data Src:

Primary Water Use:DomesticDate Received:3/3/1953Sec. Water Use:0Selected Flag:TRUE

Final Well Status: Water Supply

Water Type:
Casing Material:

Water Supply

Abandonment Rec:
Contractor: 3725

Form Version: 1

Casing Material:Form Version:Audit No:Owner:Tag:Street Name:

 Construction Method:
 County:
 OTTAWA

 Elevation (m):
 Municipality:
 NORTH GOWER TOWNSHIP

Elevation Reliability:

Depth to Bedrock:

Site Info:

Lot:

004

Well Depth: Concession:

Overburden/Bedrock: Concession Name: BF

Pump Rate: Easting NAD83: Static Water Level: Northing NAD83:

Flowing (Y/N): Zone: Flow Rate: UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506496.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1953/01/16

 Year Completed:
 1953

 Depth (m):
 20.4216

Latitude: 45.2202670798036

Clear/Cloudy:

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

-75.6759949134349 Longitude: Path: 150\1506496.pdf

Bore Hole Information

Bore Hole ID: 10028532 Elevation:

DP2BR: Elevrc: Spatial Status: 18 Zone: Code OB: East83: 446925.80 Code OB Desc: North83: 5007642.00 Open Hole: Org CS:

Cluster Kind: UTMRC: 16-Jan-1953 00:00:00 UTMRC Desc: Date Completed:

unknown UTM Remarks: Location Method: p9 Elevrc Desc:

Overburden and Bedrock

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

Materials Interval

Formation ID: 931004667

Layer:

Color: General Color:

Mat1: 05

Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 13.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931004668

Layer:

Color:

General Color:

Mat1:

Most Common Material: **GRAVEL** Mat2: Mat2 Desc: HARDPAN

Mat3 Desc:

Mat3:

Formation Top Depth: 13.0 Formation End Depth: 30.0

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004669

Layer:

Color: General Color:

Mat1: 15

Most Common Material: LIMESTONE Mat2: Mat2 Desc:

Mat3: Mat3 Desc:

Formation Top Depth: 30.0
Formation End Depth: 67.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961506496

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10577102

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930049803

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:30.0Casing Diameter:4.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930049804

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 67.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506496

Pump Set At: Static Level:

Static Level: 16.0
Final Level After Pumping: 16.0
Recommended Pump Depth:
Pumping Rate: 2.0

Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

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

Water State After Test: CLEAR **Pumping Test Method:** 0 Pumping Duration HR: Pumping Duration MIN: 30 Flowing: No

Water Details

Water ID: 933460647

Layer: Kind Code: **FRESH** Kind: Water Found Depth: 44.0 Water Found Depth UOM: ft

1 of 1 NW/50.7 84.9 / -1.47 5636 MANOTICK MAIN STREET lot 2 6 **WWIS MANOTICK ON**

Well ID: 7112930 Data Entry Status:

Construction Date: Data Src: Primary Water Use: Date Received: 10/14/2008 Domestic

Sec. Water Use: Selected Flag: TRUE Final Well Status: Water Supply Abandonment Rec:

Water Type: Contractor:

1558 Casing Material: Form Version: Audit No: Z84375 Owner:

Tag: A051496 Street Name: 5636 MANOTICK MAIN STREET

Construction Method: OTTAWA County: NORTH GOWER TOWNSHIP Elevation (m): Municipality:

Elevation Reliability: Site Info: Depth to Bedrock: 002 Lot:

Well Depth: Concession: Overburden/Bedrock: Concession Name:

Easting NAD83: Pump Rate: Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

UTM Reliability: Flow Rate: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/711\7112930.pdf

Additional Detail(s) (Map)

2008/08/12 Well Completed Date: Year Completed: 2008 22.85 Depth (m):

Latitude: 45.2206808565143 -75.6775639064187 Longitude: 711\7112930.pdf Path:

Bore Hole Information

Bore Hole ID: 1001835729 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 446803.00 Code OB: East83:

5007689.00 Code OB Desc: North83: Open Hole: Org CS: UTM83 Cluster Kind: UTMRC:

Date Completed: 12-Aug-2008 00:00:00 **UTMRC Desc:** margin of error: 10 - 30 m

Order No: 22030300700

Remarks: Location Method: wwr

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock Materials Interval

Formation ID: 1001936666

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

 Formation Top Depth:
 3.0399999618530273

 Formation End Depth:
 7.309999942779541

Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1001936667

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

 Formation Top Depth:
 7.309999942779541

 Formation End Depth:
 22.850000381469727

Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1001936664

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 12

 Mat2 Desc:
 STONES

Mat3: Mat3 Desc:

Formation Top Depth: 0.0

Formation End Depth: 1.5199999809265137

Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1001936665

Layer: 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 28

 Most Common Material:
 SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

 Formation Top Depth:
 1.519999809265137

 Formation End Depth:
 3.0399999618530273

Formation End Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 1001936670

Layer:

Plug From: 8.829999923706055

Plug To: 0.0 Plug Depth UOM: m

Method of Construction & Well

<u>Use</u>

Method Construction ID:1001936692Method Construction Code:5Method Construction:Air Percussion

Other Method Construction: AIR

Pipe Information

Pipe ID: 1001936662

Casing No: 0
Comment:

Alt Name:

Construction Record - Casing

Casing ID: 1001936672

Layer: 1
Material: 1

Open Hole or Material: STEEL

 Depth From:
 -0.6000000238418579

 Depth To:
 8.829999923706055

 Casing Diameter:
 15.859999656677246

Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1001936673

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material:

Screen Depth UOM: m
Screen Diameter UOM: cm

Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1001936663

 Pump Set At:
 15.229999542236328

 Static Level:
 2.859999895095825

 Final Level After Pumping:
 3.9600000381469727

 Recommended Pump Depth:
 15.229999542236328

 Pumping Rate:
 54.599998474121094

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:0Pumping Duration HR:1Pumping Duration MIN:0

Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1001936681
Test Type: Recovery

Test Duration:

Test Level: 2.8399999141693115

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1001936687Test Type:Draw Down

Test Duration: 30

Test Level: 3.7200000286102295

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1001936688Test Type:Draw Down

Test Duration: 40

Test Level: 3.7200000286102295

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1001936689Test Type:Draw Down

Test Duration: 50

Test Level: 3.700000047683716

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1001936676
Test Type: Draw Down

Test Duration:

Test Level: 3.549999952316284

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1001936679

Test Type: Recovery

Test Duration: 3

Test Level: 2.869999885559082

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001936682Test Type:Draw Down

Test Duration: 5

Test Level: 3.630000114440918

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001936685Test Type:Draw Down

Test Duration: 20

Test Level: 3.690000057220459

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001936684Test Type:Draw Down

Test Duration: 15

Test Level: 3.6700000762939453

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001936680Test Type:Draw Down

Test Duration: 4

Test Level: 3.619999885559082

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001936683Test Type:Draw Down

Test Duration: 10

Test Level: 3.6500000953674316

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001936690Test Type:Draw Down

Test Duration: 60

Test Level: 3.690000057220459

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001936674Test Type:Draw Down

Test Duration: 1

Test Level: 3.490000009536743

Test Level UOM: m

Draw Down & Recovery

 Pump Test Detail ID:
 1001936675

 Test Type:
 Recovery

 Test Duration:
 1

 Test Level:
 3.0

 Test Level UOM:
 m

Draw Down & Recovery

Pump Test Detail ID:1001936686Test Type:Draw Down

Test Duration: 25

Test Level: 3.7100000381469727

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001936678Test Type:Draw Down

Test Duration: 3

Test Level: 3.5799999237060547

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001936677Test Type:Recovery

Test Duration: 2

Test Level: 2.9000000953674316

Test Level UOM: m

Water Details

Water ID: 1001936671

Layer: 1 Kind Code: 8

Kind: Untested

Water Found Depth: 16.760000228881836

Water Found Depth UOM:

Hole Diameter

Hole ID: 1001936669

 Diameter:
 15.229999542236328

 Depth From:
 8.829999923706055

 Depth To:
 22.850000381469727

Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1001936668

Diameter: 15.859999656677246

Depth From: 0.0

Depth To: 8.829999923706055

Hole Depth UOM: m
Hole Diameter UOM: cm

7 1 of 1 NW/51.7 84.9 / -1.47 lot 4 ON WWIS

Well ID: 1506500

Construction Date:
Primary Water Use: Domestic

Sec. Water Use: 0
Final Well Status: Water Supply

Water Type:

Casing Material: Audit No: Tag:

Construction Method:

Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock:

Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy: Data Entry Status:

Data Src:

Date Received: 12/3/1956
Selected Flag: TRUE
Abandonment Rec:

Contractor: Form Version:

Owner: Street Name:

County: OTTAWA

Municipality: NORTH GOWER TOWNSHIP

1

3113

Site Info:

Lot: 004

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\1506500.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1956/09/14

 Year Completed:
 1956

 Depth (m):
 20.7264

 Latitude:
 45.2207172229719

 Longitude:
 -75.6775032012909

 Path:
 150\1506500.pdf

Bore Hole Information

Bore Hole ID: 10028536

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole:

Cluster Kind:

Date Completed: 14-Sep-1956 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

 Formation ID:
 931004680

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Elevation: Elevrc:

Zone: 18 **East83:** 446807.80 **North83:** 5007693.00

Org CS:

UTMRC:

UTMRC Desc: margin of error: 100 m - 300 m

Order No: 22030300700

Location Method: gis

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 39.0 Formation End Depth: 68.0 Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931004678

Layer:

Color:

General Color:

Mat1: 12

Most Common Material:STONESMat2:11Mat2 Desc:GRAVEL

Mat3: Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 30.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004679

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 09

Most Common Material: MEDIUM SAND

Mat2: 11
Mat2 Desc: GRAVEL

Mat3:

Mat3 Desc:

Formation Top Depth: 30.0 Formation End Depth: 39.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961506500

Method Construction Code: 1

Method Construction: Coble Teel

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10577106

Casing No: 1 Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930049812

Layer: 1
Material: 1

Open Hole or Material:

Depth From:

Depth To: 40.0 Casing Diameter: 4.0 Casing Diameter UOM: inch Casing Depth UOM: ft

STEEL

Construction Record - Casing

Casing ID: 930049813

2 Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From:

Depth To: 68.0 Casing Diameter: 4.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506500

Pump Set At:

28.0 Static Level: Final Level After Pumping: 28.0

Recommended Pump Depth:

Pumping Rate: 4.0 Flowing Rate:

Recommended Pump Rate:

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

Water Details

Water ID: 933460651

Layer: Kind Code: **FRESH** Kind: Water Found Depth: 68.0 Water Found Depth UOM:

8 1 of 1 ESE/52.3 88.3 / 1.94 lot 4 **WWIS** ON

Well ID: 1506497 Data Entry Status: Data Src:

Construction Date:

Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag:

TRUE Final Well Status: Water Supply Abandonment Rec: Water Type: Contractor: 3113 Casing Material: Form Version: Audit No: Owner:

Street Name: Tag:

Construction Method: County: **OTTAWA**

NORTH GOWER TOWNSHIP Municipality: Elevation (m): Elevation Reliability: Site Info:

6/22/1953

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

004 Depth to Bedrock: Lot:

Well Depth: Concession: ΒF Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

Flow Rate: UTM Reliability:

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506497.pdf

Additional Detail(s) (Map)

Well Completed Date: 1953/04/08 Year Completed: 1953 21.0312 Depth (m):

Latitude: 45.2198177859953 Longitude: -75.6758622222897 150\1506497.pdf Path:

Bore Hole Information

Bore Hole ID: 10028533 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

446935.80 Code OB: East83: Code OB Desc: North83: 5007592.00 Open Hole: Org CS:

Cluster Kind: **UTMRC**:

Date Completed: 08-Apr-1953 00:00:00 **UTMRC Desc:** unknown UTM

Location Method: Remarks: p9

Elevrc Desc: Location Source Date:

Improvement Location Source:

Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

931004671 Formation ID:

Layer: 8 Color: General Color: **BLACK** Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

32.0 Formation Top Depth: Formation End Depth: 69.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004670

Layer: Color: General Color: BLUE

Mat1: 05
Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 32.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961506497
Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10577103

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930049806

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:69.0Casing Diameter:4.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930049805

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:32.0Casing Diameter:4.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991506497

Pump Set At: Static Level:

Static Level: 16.0 Final Level After Pumping: 19.0 Recommended Pump Depth: Pumping Rate: 63.0

Pumping Rate: Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

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

Water State After Test: CLEAR **Pumping Test Method:** 0 Pumping Duration HR: Pumping Duration MIN: 15 Flowing: No

Water Details

Water ID: 933460648

Layer: Kind Code: **FRESH** Kind: Water Found Depth: 48.0 Water Found Depth UOM: ft

9 1 of 1 ENE/53.1 84.9 / -1.45 lot 4 **WWIS** ON

Well ID: 1506505 Data Entry Status:

Construction Date: Data Src: Primary Water Use: Commerical Date Received:

6/2/1960 Sec. Water Use: Selected Flag: TRUE

Final Well Status: Water Supply Abandonment Rec: 4216 Water Type: Contractor:

Casing Material: Form Version: 1 Audit No: Owner:

Tag: Street Name:

Construction Method: OTTAWA County:

NORTH GOWER TOWNSHIP Elevation (m): Municipality:

Elevation Reliability: Site Info: Depth to Bedrock: 004 Lot:

Well Depth: Concession:

Overburden/Bedrock: Concession Name: BF

Easting NAD83: Pump Rate: Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

UTM Reliability: Flow Rate:

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506505.pdf

Additional Detail(s) (Map)

1960/05/19 Well Completed Date: Year Completed: 1960 34.1376 Depth (m):

Latitude: 45.2206267408869 -75.6760628599451 Longitude: 150\1506505.pdf Path:

Bore Hole Information

Bore Hole ID: 10028541 Elevation: DP2BR:

Elevrc: Spatial Status: Zone: 18

446920.80 Code OB: East83: 5007682.00 Code OB Desc: North83:

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 19-May-1960 00:00:00 **UTMRC Desc:** margin of error: 100 m - 300 m

Order No: 22030300700

Remarks: Location Method: р5

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock Materials Interval

Formation ID: 931004689

Layer:

Color:

General Color:

Mat1:

PREVIOUSLY DUG Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 63.0 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004691

Layer: 3 Color:

General Color:

18 Mat1:

SANDSTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

100.0 Formation Top Depth: Formation End Depth: 112.0

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931004690 Formation ID: 2 Layer:

Color:

General Color:

Mat1:

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 63.0 100.0 Formation End Depth: Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961506505

Method Construction Code: 1

Method Construction:

Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10577111

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930049822 Layer: 2 Material: STEEL Open Hole or Material: Depth From: 112.0 Depth To: Casing Diameter: 5.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930049821

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 63.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506505

ft GPM

Pump Set At:

Static Level: 18.0 Final Level After Pumping: 20.0

Recommended Pump Depth:

Pumping Rate: 10.0

Flowing Rate:

Recommended Pump Rate:

Levels UOM: Rate UOM:

Water State After Test Code:

Water State After Test:

CLEAR

Pumping Test Method:

Pumping Duration HR:

Pumping Duration MIN:

O

Flowing:

No

Water Details

Water ID: 933460656

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 100.0

 Water Found Depth UOM:
 ft

10 1 of 1 NNW/75.0 83.8 / -2.53

ON

45.220977

BORE

Order No: 22030300700

 Borehole ID:
 611782
 Inclin FLG:
 No

 OGF ID:
 215513095
 SP Status:
 Initial Entry

 Status:
 Surv Elev:
 No

Status:Surv Elev:NoType:BoreholePiezometer:NoUse:Primary Name:

Completion Date:SEP-1956Municipality:Static Water Level:Lot:

Primary Water Use: Township:
Sec. Water Use: Latitude DD:

 Total Depth m:
 20.7
 Longitude DD:
 -75.677468

 Depth Ref:
 Ground Surface
 UTM Zone:
 18

 Depth Elev:
 Easting:
 446811

Drill Method: Northing: 5007722
Orig Ground Elev m: 88.4 Location Accuracy:

Elev Reliabil Note: Accuracy: Not Applicable

DEM Ground Elev m: 84.9

Concession: Location D: Survey D: Comments:

Borehole Geology Stratum

218389190 Geology Stratum ID: Mat Consistency: 11.9 Material Moisture: Top Depth: **Bottom Depth:** 20.7 Material Texture: Material Color: Non Geo Mat Type: Grey Material 1: Limestone Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: LIMESTONE. GREY. 00068EL. GREY. LIMESTONE. GREY. 00075TY = 18000. BEDROCK. SEISMIC **Note:

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

Geology Stratum ID: 218389188 Mat Consistency:
Top Depth: 0 Material Moisture:
Bottom Depth: 9.1 Material Texture:
Material Color: Non Geo Mat Type:

Material Color:Non Geo Mat Type:Material 1:StonesGeologic Formation:Material 2:GravelGeologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: STONES,GRAVEL.

Geology Stratum ID:218389189Mat Consistency:Top Depth:9.1Material Moisture:Bottom Depth:11.9Material Texture:Material Color:GreyNon Geo Mat Type:Material 1:SandGeologic Formation:Material 2:GravelGeologic Group:

Material 2:GravelGeologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: SAND, GRAVEL. GREY.

<u>Source</u>

Source Type: Data Survey Source Appl: Spatial/Tabular

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

Geological Survey of Canada Source Orig:

Source Iden: 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) File: OTTAWA1.txt RecordID: 04290 NTS_Sheet: Source Details:

Confiden 1:

Source List

NAD27 Source Identifier: Horizontal Datum:

Data Survey Source Type: Vertical Datum: Mean Average Sea Level 1956-1972 Source Date: Projection Name: Universal Transverse Mercator

Scale or Resolution: Varies

Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

1 of 1 NE/85.3 83.9 / -2.50 11 lot 4 **WWIS** ON

Well ID: 1506503 Data Entry Status:

Construction Date: Data Src:

1/9/1957 **Domestic** Primary Water Use: Date Received: TRUE Sec. Water Use: Selected Flag:

Water Supply Final Well Status: Abandonment Rec: 3601 Water Type: Contractor:

Casing Material: Form Version: Audit No: Owner:

Tag: Street Name:

Construction Method: County: **OTTAWA**

Elevation (m): Municipality: NORTH GOWER TOWNSHIP Elevation Reliability: Site Info:

Depth to Bedrock: 004 Lot:

Well Depth: Concession:

Overburden/Bedrock: Concession Name: ΒF

Easting NAD83: Pump Rate: Static Water Level: Northing NAD83: Flowing (Y/N): Zone: UTM Reliability:

Flow Rate: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506503.pdf

Additional Detail(s) (Map)

Well Completed Date: 1956/11/16 1956 Year Completed: 21.336 Depth (m):

45.2209867788834 Latitude: Longitude: -75.6760671270376 150\1506503.pdf Path:

Bore Hole Information

Bore Hole ID: 10028539 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 446920.80 Code OB Desc: 5007722.00 North83:

Org CS: Open Hole:

Cluster Kind: UTMRC:

Date Completed: 16-Nov-1956 00:00:00 UTMRC Desc: unknown UTM

Remarks: Location Method: p9

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931004686

Layer: 2

Color:

General Color:

15 Mat1:

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 24.0 Formation End Depth: 70.0

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004685

Layer:

Color: General Color:

Mat1: 05

Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 24.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961506503 **Method Construction Code:**

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10577109

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 930049818 Layer: Material:

DΒ Map Key Number of Direction/ Elev/Diff Site Records Distance (m) (m) **OPEN HOLE**

Open Hole or Material:

Depth From:

Depth To: 70.0 Casing Diameter: 4.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930049817

Layer: Material: **STEEL** Open Hole or Material:

Depth From:

Depth To: 28.0 Casing Diameter: 4.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506503

Pump Set At:

18.0 Static Level: Final Level After Pumping: 20.0

Recommended Pump Depth:

Pumping Rate: 3.0

Flowing Rate:

Recommended Pump Rate: Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: **Pumping Duration HR:** 1

0 **Pumping Duration MIN:** No Flowing:

Water Details

Water ID: 933460654

Layer: Kind Code: **FRESH** Kind: Water Found Depth: 70.0 Water Found Depth UOM:

85.5 / -0.89 12 1 of 1 ENE/90.0 lot 4 **WWIS** ON

Order No: 22030300700

1506501 Well ID: Data Entry Status:

Construction Date: Data Src:

Primary Water Use: 1/9/1957 Domestic Date Received: Sec. Water Use: TRUE Selected Flag:

Final Well Status: Water Supply Abandonment Rec: Water Type: Contractor: 3601 Casing Material: Form Version:

Audit No: Owner: Street Name: Tag:

Construction Method: County: **OTTAWA**

NORTH GOWER TOWNSHIP Municipality: Elevation (m): Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 004

Well Depth: Concession:

Overburden/Bedrock: Concession Name: BF
Pump Rate: Easting NAD83:

Pump Rate:Easting NAD83:Static Water Level:Northing NAD83:Flowing (Y/N):Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506501.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1956/10/01

 Year Completed:
 1956

 Depth (m):
 21.336

 Latitude:
 45.2205412523203

 Longitude:
 -75.6752976355064

 Path:
 150\1506501.pdf

Bore Hole Information

 Bore Hole ID:
 10028537
 Elevation:

 DP2BR:
 Elevrc:

Spatial Status: Zone: 18

 Code OB:
 East83:
 446980.80

 Code OB Desc:
 North83:
 5007672.00

 Open Hole:
 Org CS:

Cluster Kind: UTMRC:

Date Completed: 01-Oct-1956 00:00:00 UTMRC Desc: unknown UTM

Remarks: Location Method: p9
Elevro Desc:

Location Source Date: Improvement Location Source:

Improvement Location Source.
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931004681

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: 22.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004682

Layer: 2

Color: General Color:

Mat1: 15

Most Common Material: LIMESTONE Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 22.0 Formation End Depth: 70.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961506501Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10577107

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930049814

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:26.0Casing Diameter:4.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930049815

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 70.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506501

Pump Set At: Static Level:

Static Level: 6.0
Final Level After Pumping: 20.0
Recommended Pump Depth:
Pumping Rate: 4.0

Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

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

Water State After Test: CLEAR **Pumping Test Method: Pumping Duration HR:** 1 **Pumping Duration MIN:** 0 Flowing: No

Water Details

Well ID:

Water ID: 933460652

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

7109789

1 of 2 ENE/116.5 84.2 / -2.19 5647 HERWIG PLACE RIDEAU lot 9 13

WWIS

Order No: 22030300700

MANOTICK ON

Data Entry Status: Construction Date: Data Src:

Primary Water Use: Date Received: 8/14/2008 Sec. Water Use: Selected Flag: TRUE Final Well Status: Abandoned-Other Abandonment Rec: Yes Water Type: Contractor: 1119

Casing Material: Form Version: Z80844 Owner:

Audit No: Tag: Street Name: 5647 HERWIG PLACE RIDEAU

OTTAWA **Construction Method:** County:

NORTH GOWER TOWNSHIP Elevation (m): Municipality: Elevation Reliability: Site Info:

Depth to Bedrock: 009 Lot: Well Depth:

Concession: Overburden/Bedrock: Concession Name: Easting NAD83: Pump Rate: Static Water Level: Northing NAD83:

Flowing (Y/N): Zone: UTM Reliability: Flow Rate:

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7109789.pdf

Additional Detail(s) (Map)

2008/06/24 Well Completed Date: Year Completed: 2008 Depth (m): 7.62

Latitude: 45.2208569030939

-75.6751969294975 Longitude: 710\7109789.pdf Path:

Bore Hole Information

Bore Hole ID: 1001732899 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 446989.00 Code OB: East83: 5007707.00 Code OB Desc: North83:

Open Hole: Org CS: UTM83 Cluster Kind: UTMRC:

Date Completed: 24-Jun-2008 00:00:00 **UTMRC Desc:** margin of error: 10 - 30 m

Remarks: Location Method: wwr Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock Materials Interval

Formation ID: 1001750451

Layer: Color:

General Color:

Mat1:

Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 25.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1001750453

 Layer:
 1

 Plug From:
 25.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1001750457

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

Pipe ID: 1001750450

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1001750455

Layer: Material:

Open Hole or Material:

Depth From: Depth To:

Casing Diameter:

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Screen

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

Screen ID:

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: Screen Diameter UOM: Screen Diameter:

Water Details

1001750454 Water ID:

Layer: Kind Code: Kind:

Water Found Depth: Water Found Depth UOM:

Hole Diameter

Hole ID: 1001750452

Diameter: Depth From: Depth To:

Hole Depth UOM: ft Hole Diameter UOM: inch

13 2 of 2 ENE/116.5 84.2 / -2.19 5647 HERWIG PLACE **HINC** OTTAWA ON

External File Num: FS INC 0810-05974 Pipeline Strike Fuel Occurrence Type: 9/19/2008 Date of Occurrence: Fuel Type Involved: Natural Gas

Completed - Causal Analysis(End) Status Desc: Job Type Desc: Incident/Near-Miss Occurrence (FS) Oper. Type Involved: Construction Site (pipeline strike)

ft

Service Interruptions: Yes Property Damage: Yes

Transmission, Distribution and Transportation Fuel Life Cycle Stage:

1001750456

Root Cause: Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:

Yes Management: Yes Human Factors: Yes

Reported Details:

Fuel Category: Gaseous Fuel Occurrence Type: Incident

Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) Ottawa

County Name: Approx. Quant. Rel: Nearby body of water:

Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:

> 87.2 / 0.81 5659 MANOTICK MAIN STREET lot 4 con A MONOTICK ON

WWIS

Order No: 22030300700

Well ID: 7299183

1 of 1

Data Entry Status: Data Src:

Construction Date: Primary Water Use: Date Received: 11/16/2017 Sec. Water Use: Selected Flag: TRUE Final Well Status: Abandoned-Other Yes Abandonment Rec:

E/122.5

14

Water Type: Casing Material:

Tag:

Audit No: Z262261

Construction Method: Elevation (m):

Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level:

Flowing (Y/N): Flow Rate: Clear/Cloudy: Contractor: 1119
Form Version: 7

Owner:

Street Name: 5659 MANOTICK MAIN STREET

County: OTTAWA
Municipality: NORTH GOWER TOWNSHIP

Municipality: Site Info:

 Lot:
 004

 Concession:
 A

 Concession Name:
 CON

Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Additional Detail(s) (Map)

Well Completed Date: 2017/10/06 Year Completed: 2017

Depth (m):

DP2BR:

 Latitude:
 45.2200132975

 Longitude:
 -75.6747666320077

 Path:
 729\7299183.pdf

Bore Hole Information

Bore Hole ID: 1006800444

Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 06-Oct-2017 00:00:00

Remarks:

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1006970435

Layer: Color:

General Color:

Mat1:

Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: Formation End Depth:

Formation End Depth UOM:

Elevation: Elevrc:

 Zone:
 18

 East83:
 447022.00

 North83:
 5007613.00

 Org CS:
 UTM83

UTMRC: 4

UTMRC Desc: margin of error : 30 m - 100 m

Order No: 22030300700

Location Method: wwr

ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1006970444

 Layer:
 1

 Plug From:
 55.0

 Plug To:
 4.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1006970445

 Layer:
 2

 Plug From:
 4.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1006970440

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

Pipe ID: 1006970434

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1006970438

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: 1006970439

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Water Details

Water ID: 1006970437

Layer:

Map Key Number of Direction/ Elev/Diff Site DΒ

Kind Code: Kind:

Water Found Depth: Water Found Depth UOM: ft

Records

Hole Diameter

1006970436 Hole ID:

Diameter: Depth From: Depth To:

Hole Depth UOM: ft Hole Diameter UOM: inch

> 15 1 of 1 ENE/123.3 84.2 / -2.19 5645 HERWIG PLACE lot 8

(m)

MANOTICK ON

Well ID: 7108187 Data Entry Status:

Distance (m)

Construction Date:

Primary Water Use: Domestic Date Received: Sec. Water Use:

Final Well Status: Water Supply

Water Type: Casing Material:

Audit No: Z80735

A066479 Tag:

Construction Method: Elevation (m): Elevation Reliability:

Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N):

Flow Rate: Clear/Cloudy:

Data Src:

7/15/2008 Selected Flag: TRUE

Abandonment Rec:

Contractor: 1119 Form Version: 7

Owner: Street Name:

5645 HERWIG PLACE

County: NORTH GOWER TOWNSHIP Municipality:

Site Info:

Lot: 800

Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7108187.pdf

Additional Detail(s) (Map)

Well Completed Date: 2008/05/14 2008 Year Completed:

Depth (m): 42.66 Latitude: 45.2209290612935 -75.675172309724 Longitude: 710\7108187.pdf Path:

Bore Hole Information

1001658366 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 446991.00 Code OB Desc: North83: 5007715.00

UTM83 Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 14-May-2008 00:00:00 UTMRC Desc: margin of error: 10 - 30 m Remarks:

Elevrc Desc:

Location Source Date:

Location Method:

WWIS

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

Overburden and Bedrock

Materials Interval

Formation ID: 1001782334

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

 Formation Top Depth:
 35.349998474121094

 Formation End Depth:
 42.65999984741211

Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1001782333

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

 Formation Top Depth:
 6.40000095367432

 Formation End Depth:
 35.349998474121094

Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1001782332

Layer: 1

Color:

General Color:

 Mat1:
 28

 Most Common Material:
 SAND

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

Mat3: Mat3 Desc:

Formation Top Depth: 0.0

Formation End Depth: 6.400000095367432

Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 1001782337

Layer: 2

Plug From: 4.869999885559082

0.0 Plug To:

Plug Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 1001782336

Layer:

Plug From: 7.920000076293945 Plug To: 4.869999885559082

Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1001782369 5

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 1001782330

Casing No: 0

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1001782340

Layer: 1 Material:

Open Hole or Material: **STEEL**

Depth From: 8.529999732971191

Depth To:

Casing Diameter: 0.15880000591278076

Casing Diameter UOM: cm Casing Depth UOM:

Construction Record - Screen

Screen ID: 1001782341

Layer:

Slot: Screen Top Depth:

Screen End Depth: Screen Material: Screen Depth UOM: Screen Diameter UOM: Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1001782331 36.56999969482422 Pump Set At: Static Level: 3.200000047683716 3.3399999141693115 Final Level After Pumping:

Recommended Pump Depth: 30.469999313354492 **Pumping Rate:** 91.0

Flowing Rate:

Recommended Pump Rate:

91.0

Levels UOM: m
Rate UOM: LPM

Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN:

Flowing:

Draw Down & Recovery

Pump Test Detail ID:1001782342Test Type:Draw Down

Test Duration:

Test Level: 3.319999933242798

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001782347
Test Type: Recovery

Test Duration:

Test Level: 3.200000047683716

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1001782351
Test Type: Recovery

Test Duration:

Test Level: 3.200000047683716

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1001782354Test Type:Draw Down

Test Duration: 15

Test Level: 3.3399999141693115

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782358Test Type:Draw Down

Test Duration: 25

Test Level: 3.3399999141693115

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782362Test Type:Draw Down

Test Duration: 40

Test Level: 3.3399999141693115

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1001782366

Draw Down Test Type:

Test Duration: 60

3.3399999141693115 Test Level:

Test Level UOM: m

Draw Down & Recovery

1001782355 Pump Test Detail ID: Test Type: Recovery Test Duration: 15

3.200000047683716 Test Level:

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001782361 Test Type: Recovery Test Duration: 30

Test Level: 3.200000047683716

Test Level UOM:

Draw Down & Recovery

1001782367 Pump Test Detail ID: Test Type: Recovery 60

Test Duration:

Test Level: 3.200000047683716

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001782360 Test Type: Draw Down

Test Duration: 30

Test Level: 3.3399999141693115

Test Level UOM: m

Draw Down & Recovery

1001782364 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 50

Test Level: 3.3399999141693115

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001782365 Recovery Test Type:

Test Duration: 50

Test Level: 3.200000047683716

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001782359 Test Type: Recovery

Test Duration: 25

Test Level: 3.200000047683716

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1001782363
Test Type: Recovery

Test Duration: 40

Test Level: 3.200000047683716

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782348Test Type:Draw Down

Test Duration: 4

Test Level: 3.3399999141693115

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782356Test Type:Draw Down

Test Duration: 20

Test Level: 3.3399999141693115

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782345Test Type:Recovery

Test Duration: 2

Test Level: 3.200000047683716

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782346Test Type:Draw Down

Test Duration: 3

Test Level: 3.3299999237060547

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782352Test Type:Draw Down

Test Duration: 10

Test Level: 3.3399999141693115

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782343Test Type:Recovery

Test Duration: 1

Test Level: 3.200000047683716

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001782350 Test Type: Draw Down

Test Duration:

3.3399999141693115 Test Level:

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1001782353 Test Type: Recovery Test Duration: 10

Test Level: 3.200000047683716

Test Level UOM: m

Draw Down & Recovery

1001782344 Pump Test Detail ID: Test Type: Draw Down

Test Duration:

Test Level: 3.319999933242798

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001782349 Test Type: Recovery

Test Duration:

Test Level: 3.200000047683716

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001782357 Test Type: Recovery 20

Test Duration:

3.200000047683716 Test Level:

Test Level UOM: m

Water Details

Water ID: 1001782339

Layer: 2 Kind Code:

Kind: Untested

Water Found Depth: 41.13999938964844

Water Found Depth UOM:

Water Details

Water ID: 1001782338

Layer:

Kind Code: 8

Untested Kind:

Water Found Depth: 40.529998779296875

Water Found Depth UOM: m

Hole Diameter

Hole ID: 1001782335

15.550000190734863 Diameter:

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

42.65999984741211 Depth From:

Depth To: 0.0 Hole Depth UOM: m Hole Diameter UOM: cm

ENE/128.0 **5649 HERWING PLACE** 16 1 of 1 84.8 / -1.53 **WWIS** MANOTICK ON

I of

Well ID: 7243008

Data Entry Status: Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 6/15/2015 TRUE

Sec. Water Use: Selected Flag: Final Well Status: Water Supply Abandonment Rec:

Water Type: Contractor: 1119 Casing Material: Form Version: Z191411 Owner:

Audit No: Tag: A144855 Street Name: 5649 HERWING PLACE

Construction Method: County: **OTTAWA** Elevation (m): Municipality: NORTH GOWER TOWNSHIP

Elevation Reliability: Site Info: LOT 10 & 11

Well Depth: Concession: Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83: Static Water Level: Northing NAD83:

Flowing (Y/N): Zone: Flow Rate: UTM Reliability:

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7243008.pdf

Additional Detail(s) (Map)

Depth to Bedrock:

Well Completed Date: 2015/04/21 Year Completed: 2015 42.672 Depth (m):

Latitude: 45.220759548779 Longitude: -75.6749155652907 Path: 724\7243008.pdf

Bore Hole Information

Bore Hole ID: 1005408890 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 447011.00 Code OB Desc: North83: 5007696.00 UTM83 Open Hole: Org CS: Cluster Kind:

UTMRC: Date Completed: 21-Apr-2015 00:00:00 UTMRC Desc: margin of error: 30 m - 100 m

Order No: 22030300700

Location Method: Remarks:

Elevrc Desc:

Location Source Date: Improvement Location Source:

Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1005581247

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 59.0 Formation End Depth: 120.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1005581249

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 133.0 Formation End Depth: 140.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1005581246

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 22.0 Formation End Depth: 59.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1005581248

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 120.0 Formation End Depth: 133.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1005581245

Layer:

Color:

General Color:

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 28

 Mat2 Desc:
 SAND

 Mat3:
 13

Mat3 Desc:BOULDERSFormation Top Depth:0.0

Formation Top Depth: 0.0
Formation End Depth: 22.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1005581286

 Layer:
 1

 Plug From:
 28.0

 Plug To:
 18.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1005581287

 Layer:
 2

 Plug From:
 18.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1005581285

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 1005581243

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1005581256

Layer: 2 Material: 4

Open Hole or Material:OPEN HOLEDepth From:28.0

Depth To:140.0Casing Diameter:5.9375Casing Diameter UOM:inch

Casing Depth UOM:

Construction Record - Casing

Casing ID: 1005581255

ft

Layer: 1
Material: 1

Open Hole or Material:STEELDepth From:-2.0Depth To:28.0Casing Diameter:6.25Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Screen

Screen ID: 1005581257

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

 Pump Test ID:
 1005581244

 Pump Set At:
 120.0

Static Level: 12.079999923706055

Final Level After Pumping: 12.25
Recommended Pump Depth: 100.0
Pumping Rate: 20.0

Flowing Rate:

Recommended Pump Rate: 20.0 Levels UOM: ft Rate UOM: GPM

Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR: 1

Pumping Duration MIN: Flowing:

Draw Down & Recovery

Pump Test Detail ID:1005581260Test Type:Draw Down

 Test Duration:
 2

 Test Level:
 12.25

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 1005581263
Test Type: Recovery

Test Duration: 3

Test Level: 12.083000183105469

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005581279Test Type:RecoveryTest Duration:40

Test Level: 12.083000183105469

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1005581258Test Type:Draw Down

 Test Duration:
 1

 Test Level:
 12.25

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 1005581261
Test Type: Recovery

Test Duration: 2

Test Level: 12.083000183105469

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005581276Test Type:Draw DownTest Duration:30

Test Level: 12.25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005581281Test Type:RecoveryTest Duration:50

Test Level: 12.083000183105469

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1005581283
Test Type: Recovery

Test Duration: 60

Test Level: 12.083000183105469

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005581259Test Type:Recovery

Test Duration: 1

Test Level: 12.083000183105469

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005581269
Test Type: Recovery

Test Duration: 10

Test Level: 12.083000183105469

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1005581270

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 12.25

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1005581274

 Test Type:
 Draw Down

 Test Duration:
 25

 Test Level:
 12.25

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 1005581277
Test Type: Recovery

Test Duration: 30

Test Level: 12.083000183105469

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005581265
Test Type: Recovery

Test Duration: 4

Test Level: 12.083000183105469

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005581267Test Type:Recovery

Test Duration: 5

Test Level: 12.083000183105469

Test Level UOM:

Draw Down & Recovery

 Pump Test Detail ID:
 1005581268

 Test Type:
 Draw Down

 Test Duration:
 10

 Test Level:
 12.25

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1005581278

 Test Type:
 Draw Down

 Test Duration:
 40

 Test Level:
 12.25

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 1005581262 Draw Down Test Type: Test Duration: Test Level: 12.25 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005581275 Test Type: Recovery

Test Duration: 25

12.083000183105469 Test Level:

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1005581280 Test Type: Draw Down Test Duration: 50 12.25 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005581272 Test Type: Draw Down 20 Test Duration: Test Level: 12.25 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005581273 Test Type: Recovery 20

Test Duration:

Test Level: 12.083000183105469

ft

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005581264 Test Type: Draw Down Test Duration: 4 Test Level: 12.25

Draw Down & Recovery

Test Level UOM:

Pump Test Detail ID: 1005581266 Test Type: Draw Down Test Duration: 5 12.25 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005581271

Test Type: Recovery

Test Duration: 15

Test Level: 12.083000183105469

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1005581282

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 12.25

 Test Level UOM:
 ft

Water Details

Water ID: 1005581252

 Layer:
 1

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 59.0

 Water Found Depth UOM:
 ft

Water Details

Water ID: 1005581254

 Layer:
 3

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 133.0

 Water Found Depth UOM:
 ft

Water Details

Water ID: 1005581253

 Layer:
 2

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 120.0

 Water Found Depth UOM:
 ft

Hole Diameter

 Hole ID:
 1005581250

 Diameter:
 9.75

 Depth From:
 0.0

 Depth To:
 28.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

 Hole ID:
 1005581251

 Diameter:
 5.9375

 Depth From:
 28.0

 Depth To:
 140.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

17 1 of 1 E/129.4 86.9 / 0.50 lot 4 ON WWIS

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

1517651 Well ID: Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 9/15/1981 Selected Flag: Sec. Water Use: TRUE

Final Well Status: Water Supply Abandonment Rec:

1558 Water Type: Contractor: Casing Material: Form Version: 1 Audit No: Owner: Street Name: Tag:

Construction Method: County: **OTTAWA**

NORTH GOWER TOWNSHIP Municipality: Elevation (m): Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 004

Well Depth: Concession:

Overburden/Bedrock: Concession Name: BF Pump Rate: Easting NAD83:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

UTM Reliability: Flow Rate: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517651.pdf

Additional Detail(s) (Map)

Well Completed Date: 1981/06/29 Year Completed: 1981 Depth (m): 14.6304

45.2200858920087 Latitude: -75.6746681440371 Longitude: 151\1517651.pdf Path:

Bore Hole Information

Open Hole:

10039523 Bore Hole ID: Elevation:

DP2BR: Elevrc: Spatial Status: Zone: 18 Code OB: East83: 447029.80 Code OB Desc: North83: 5007621.00

Cluster Kind: **UTMRC:**

Date Completed: 29-Jun-1981 00:00:00 UTMRC Desc: margin of error: 30 m - 100 m Remarks: Location Method:

Org CS:

Order No: 22030300700

Elevrc Desc:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

931035866 Formation ID: Layer: 3 Color:

GREY General Color: Mat1: 28 Most Common Material: SAND Mat2: 11 Mat2 Desc: **GRAVEL**

Mat3:

Mat3 Desc:

Formation Top Depth: 20.0 Formation End Depth: 25.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931035865

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 14.0 Formation End Depth: 20.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931035867

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

 Most Common Material:
 LIMESTONE

Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Mat3 Desc:
Formation Top Depth: 25.0
Formation End Depth: 48.0

Formation End Depth: 48.0 ft

Overburden and Bedrock

Materials Interval

Formation ID: 931035864

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 14.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961517651

Method Construction Code: 5

Method Construction: Air Percussion

Order No: 22030300700

CLAY

Other Method Construction:

Pipe Information

 Pipe ID:
 10588093

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930069102

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To:26.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930069103

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:48.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991517651

Pump Set At: Static Level:

Static Level:5.0Final Level After Pumping:20.0Recommended Pump Depth:30.0Pumping Rate:30.0

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

Draw Down & Recovery

 Pump Test Detail ID:
 934376069

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 20.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934102180

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 20.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934645904

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 20.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934895597

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 20.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933474169

 Layer:
 1

 Kind Code:
 1

Kind: FRESH
Water Found Depth: 40.0
Water Found Depth UOM: ft

18 1 of 1 ENE/129.7 84.2 / -2.19 5647 HERWIG PLACE lot 9 WWIS

Well ID: 7108186 Data Entry Status:
Construction Date: Data Src:

Primary Water Use: Domestic Data Src:

Data Src:

Data Src:

7/15/2008

Sec. Water Use: Domestic Date Received: 7/15/200
Sec. Water Use: Selected Flag: TRUE

Final Well Status: Water Supply

Water Type:
Casing Material:

Water Supply

Abandonment Rec:
Contractor: 1119
Form Version: 7

Casing Material:Form Version:7Audit No:Z80734Owner:

Tag:A066480Street Name:5647 HERWIG PLACEConstruction Method:County:OTTAWA

Elevation (m):Municipality:NORTH GOWER TOWNSHIPElevation Reliability:Site Info:

Depth to Bedrock:Lot:009Well Depth:Concession:

Overburden/Bedrock: Concession Name:
Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:
Flow Rate: UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7108186.pdf

Order No: 22030300700

Additional Detail(s) (Map)

Well Completed Date: 2008/05/14 Year Completed: 2008

Clear/Cloudy:

Zone:

East83:

North83:

Org CS: UTMRC:

UTMRC Desc:

Location Method:

18 446996.00

5007719.00 UTM83

margin of error: 10 - 30 m

Order No: 22030300700

Depth (m): 42.97

 Latitude:
 45.2209654415459

 Longitude:
 -75.6751090555826

 Path:
 710\7108186.pdf

Bore Hole Information

 Bore Hole ID:
 1001658363
 Elevation:

 DP2BR:
 Elevrc:

Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:

Date Completed: 14-May-2008 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 1001782292

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

 Formation Top Depth:
 7.610000133514404

 Formation End Depth:
 35.959999084472656

Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1001782293

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

 Formation Top Depth:
 35.959999084472656

 Formation End Depth:
 42.970001220703125

Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1001782291

Layer: 1

Color:

General Color:

 Mat1:
 28

 Most Common Material:
 SAND

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

Mat3:

Mat3 Desc:

Formation Top Depth: 0.0

Formation End Depth: 7.610000133514404

Formation End Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 1001782295

Layer:

 Plug From:
 9.140000343322754

 Plug To:
 6.090000152587891

Plug Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 1001782296

Layer: 2

Plug From: 6.090000152587891

Plug To: 0.0 Plug Depth UOM: m

Method of Construction & Well

<u>Use</u>

Method Construction ID:1001782327Method Construction Code:5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 1001782289

Casing No: 0

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1001782298

Layer: 1
Material: 1

Open Hole or Material:STEELDepth From:9.75Depth To:0.0

Casing Diameter: 0.15880000591278076

Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1001782299

Layer:

Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: Screen Diameter UOM: Screen Diameter:

Results of Well Yield Testing

 Pump Test ID:
 1001782290

 Pump Set At:
 36.56999969482422

 Static Level:
 3.200000047683716

 Final Level After Pumping:
 3.299999952316284

 Recommended Pump Depth:
 30.469999313354492

Pumping Rate: 91.0

Flowing Rate:

Recommended Pump Rate: 91.0
Levels UOM: m
Rate UOM: LPM
Water State After Test Code: 0

Water State After Test:
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN:

Flowing:

Draw Down & Recovery

Pump Test Detail ID:1001782315Test Type:RecoveryTest Duration:20

Test Level: 3.200000047683716

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782300Test Type:Draw Down

Test Duration:

Test Level: 3.2799999713897705

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782316Test Type:Draw Down

Test Duration: 25

Test Level: 3.299999952316284

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782302Test Type:Draw Down

Test Duration: 2

Test Level: 3.2799999713897705

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001782317
Test Type: Recovery

Test Duration: 25

Test Level: 3.200000047683716

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1001782306Test Type:Draw Down

Test Duration:

Test Level: 3.2799999713897705

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782310Test Type:Draw Down

Test Duration: 10

Test Level: 3.2799999713897705

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782312Test Type:Draw Down

Test Duration: 15

Test Level: 3.2899999618530273

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782301Test Type:Recovery

Test Duration:

Test Level: 3.200000047683716

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782304Test Type:Draw Down

Test Duration: 3

Test Level: 3.2799999713897705

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001782309
Test Type: Recovery

Test Duration: 5

Test Level: 3.200000047683716

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782314Test Type:Draw Down

Test Duration: 20

Test Level: 3.299999952316284

Test Level UOM:

ist Level OOM.

Draw Down & Recovery

Pump Test Detail ID: 1001782325
Test Type: Recovery

Test Duration: 60

Test Level: 3.200000047683716

m

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1001782313Test Type:Recovery

Test Duration: 15

Test Level: 3.200000047683716

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782318Test Type:Draw Down

Test Duration: 30

Test Level: 3.299999952316284

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1001782319
Test Type: Recovery

Test Duration: 30

Test Level: 3.200000047683716

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1001782320Test Type:Draw Down

Test Duration: 40

Test Level: 3.299999952316284

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1001782322Test Type:Draw Down

Test Duration: 50

Test Level: 3.299999952316284

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1001782308Test Type:Draw Down

Test Duration: 5

Test Level: 3.2799999713897705

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1001782311Test Type:RecoveryTest Duration:10

Test Level: 3.200000047683716

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782323Test Type:RecoveryTest Duration:50

Test Level: 3.200000047683716

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1001782324Test Type:Draw Down

Test Duration: 60

Test Level: 3.299999952316284

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001782303
Test Type: Recovery

Test Duration: 2

Test Level: 3.200000047683716

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001782305 Test Type: Recovery

Test Duration: 3

Test Level: 3.200000047683716

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1001782307
Test Type: Recovery

Test Duration:

Test Level: 3.200000047683716

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1001782321
Test Type: Recovery

Test Duration: 40

Test Level: 3.200000047683716

Test Level UOM:

Water Details

Water ID: 1001782297

Layer: 1 Kind Code: 8

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

Kind: Untested

Water Found Depth: 40.22999954223633

Water Found Depth UOM:

Hole Diameter

Hole ID: 1001782294

15.550000190734863 Diameter: Depth From: 42.970001220703125

Depth To: Hole Depth UOM: m Hole Diameter UOM: cm

19 1 of 1 NE/131.0 84.9 / -1.45 lot 4 **WWIS** ON

1510132 Well ID:

Construction Date: Primary Water Use: Domestic

Sec. Water Use:

Final Well Status: Water Supply

Water Type: Casing Material: Audit No:

Tag:

Construction Method:

Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate:

Static Water Level: Flowing (Y/N):

Flow Rate: Clear/Cloudy:

Data Entry Status:

Data Src:

7/28/1969 Date Received: TRUE Selected Flag:

Abandonment Rec:

Contractor: 1802 Form Version:

Owner: Street Name:

OTTAWA County:

Municipality: NORTH GOWER TOWNSHIP

Order No: 22030300700

Site Info: Lot: 004

Concession: Concession Name: BF

Easting NAD83: Northing NAD83:

Zone: UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510132.pdf

Additional Detail(s) (Map)

Well Completed Date: 1969/06/24 Year Completed: 1969 29.8704 Depth (m):

Latitude: 45.2211705657571 Longitude: -75.6754324555289 Path: 151\1510132.pdf

Bore Hole Information

Bore Hole ID: 10032162 Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

18 446970.80 Code OB: East83: Code OB Desc: North83: 5007742.00

Open Hole: Org CS: Cluster Kind: **UTMRC**:

Date Completed: 24-Jun-1969 00:00:00 **UTMRC Desc:** margin of error: 30 m - 100 m

Location Method: Remarks:

Location Source Date:

Improvement Location Source:

Elevrc Desc:

Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931013991

 Layer:
 2

 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: 98.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931013990

Layer: 1 Color: 6

General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2: 13
Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 62.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961510132

Method Construction Code: 7

Method Construction: Diamond

Other Method Construction:

Pipe Information

Pipe ID: 10580732

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930056937

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 98.0

Casing Diameter:

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

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

930056936 Casing ID:

Layer: 1 2

Material:

Open Hole or Material: **GALVANIZED**

Depth From:

62.0 Depth To: 2.0 Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

991510132 Pump Test ID:

Pump Set At:

Static Level: 7.0 Final Level After Pumping: 21.0 Recommended Pump Depth: 24.0 Pumping Rate: 6.0

Flowing Rate:

Recommended Pump Rate: 5.0 Levels UOM: Rate UOM: **GPM** Water State After Test Code:

Water State After Test: **CLEAR** Pumping Test Method: **Pumping Duration HR:** 1 **Pumping Duration MIN:** 0 Flowing: No

Water Details

Water ID: 933465072 Layer: Kind Code: Kind:

FRESH Water Found Depth: 92.0 Water Found Depth UOM: ft

20 1 of 1 ENE/131.9 84.8 / -1.53 **5649 HERWING PLACE WWIS MANOTICK ON**

7243009 Well ID:

Construction Date:

Primary Water Use: **Domestic**

Sec. Water Use:

Final Well Status: Water Supply

Water Type:

Casing Material:

Audit No: Z191410 A144856 Tag:

Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock:

Well Depth: Overburden/Bedrock: Pump Rate:

Date Received: 6/15/2015 Selected Flag: TRUE

Abandonment Rec:

Data Entry Status:

Data Src:

Contractor: 1119 Form Version:

Owner: Street Name:

5649 HERWING PLACE County:

OTTAWA

NORTH GOWER TOWNSHIP Municipality:

Order No: 22030300700

Site Info: LOT 10 & 11

Lot: Concession: Concession Name: Easting NAD83:

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

Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7243009.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2015/04/15 2015 Year Completed: Depth (m): 42.672

45.220750924129 Latitude: Longitude: -75.6748517787417 Path: 724\7243009.pdf

Bore Hole Information

Bore Hole ID: 1005408893 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 447016.00 Code OB: East83: Code OB Desc: North83: 5007695.00 UTM83

Open Hole: Org CS: Cluster Kind: UTMRC: margin of error: 30 m - 100 m

Date Completed: **UTMRC Desc:** 15-Apr-2015 00:00:00 Remarks: Location Method: wwr

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1005581333

Layer: 2 Color: General Color: **GREY** Mat1: 15 Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 122.0 Formation End Depth: 134.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1005581334

Layer: 5 2 Color: General Color: **GREY** Mat1: 15

LIMESTONE Most Common Material:

Mat2: Mat2 Desc:

Mat3: Mat3 Desc:

Formation Top Depth: 134.0 Formation End Depth: 140.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1005581330

Layer: Color:

General Color:

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 28

 Mat2 Desc:
 SAND

 Mat3:
 13

Mat3 Desc:BOULDERSFormation Top Depth:0.0

Formation End Depth: 22.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1005581331

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 22.0 Formation End Depth: 65.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1005581332

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 65.0 **Formation End Depth:** 122.0

Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1005581371

Layer: 1

28.0 Plug From: Plug To: 18.0 Plug Depth UOM: ft

Annular Space/Abandonment

Sealing Record

1005581372 Plug ID:

2 Layer: Plug From: 18.0 0.0 Plug To: Plug Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1005581370 5

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

1005581328 Pipe ID:

Casing No:

Comment: Alt Name:

Construction Record - Casing

1005581340 Casing ID:

Layer: 1 Material: Open Hole or Material: **STEEL** Depth From: -2.0 Depth To: 28.0 Casing Diameter: 6.25 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1005581341

Layer: 2 Material:

OPEN HOLE Open Hole or Material:

Depth From: 28.0 Depth To: 140.0 5.9375 Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005581342

Layer: Slot:

Screen Top Depth:

Screen End Depth: Screen Material:

ft Screen Depth UOM:

Screen Diameter UOM:

Screen Diameter:

inch

Results of Well Yield Testing

Pump Test ID: 1005581329 Pump Set At: 120.0

12.420000076293945 Static Level:

Final Level After Pumping: 12.5 Recommended Pump Depth: 100.0 20.0 Pumping Rate:

Flowing Rate:

Recommended Pump Rate: 20.0 Levels UOM: ft GPM Rate UOM: 0

Water State After Test Code: Water State After Test:

0 Pumping Test Method: **Pumping Duration HR:** 1

Pumping Duration MIN: Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1005581344 Test Type: Recovery

Test Duration:

Test Level: 12.416999816894531

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005581346 Test Type: Recovery

Test Duration:

Test Level: 12.416999816894531

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005581349 Test Type: Draw Down

Test Duration: 12.5 Test Level: Test Level UOM: ft

Draw Down & Recovery

1005581350 Pump Test Detail ID: Test Type: Recovery

Test Duration:

Test Level: 12.416999816894531

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005581355 Draw Down Test Type: Test Duration: 15 12.5 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005581362
Test Type: Recovery

Test Duration: 30

Test Level: 12.416999816894531

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005581364
Test Type: Recovery

Test Duration: 40

Test Level: 12.416999816894531

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005581343Test Type:Draw Down

 Test Duration:
 1

 Test Level:
 12.5

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1005581357Test Type:Draw DownTest Duration:20Test Land13.5

Test Level: 12.5 Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1005581363

 Test Type:
 Draw Down

 Test Duration:
 40

 Test Level:
 12.5

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1005581365

 Test Type:
 Draw Down

 Test Duration:
 50

 Test Level:
 12.5

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1005581366Test Type:RecoveryTest Duration:50

Test Level: 12.416999816894531

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005581351 Test Type: Draw Down

Test Duration: 5 12.5 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005581354 Test Type: Recovery Test Duration: 10

Test Level: 12.416999816894531

Test Level UOM: ft

Draw Down & Recovery

1005581359 Pump Test Detail ID: Test Type: Draw Down Test Duration: 25

Test Level: 12.5 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005581368 Test Type: Recovery Test Duration:

60

Test Level: 12.416999816894531

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005581348 Test Type: Recovery

Test Duration: 3

12.416999816894531 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005581353 Test Type: Draw Down Test Duration: 10 Test Level: 12.5 Test Level UOM: ft

Draw Down & Recovery

1005581358 Pump Test Detail ID: Recovery Test Type: Test Duration: 20

Test Level: 12.416999816894531

Test Level UOM: ft

Draw Down & Recovery

1005581360 Pump Test Detail ID: Recovery Test Type:

Test Duration: 25

12.416999816894531 Test Level:

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1005581352Test Type:Recovery

Test Duration: 5

Test Level: 12.416999816894531

ft

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005581356Test Type:Recovery

Test Duration: 15

Test Level: 12.416999816894531

Test Level UOM:

Draw Down & Recovery

 Pump Test Detail ID:
 1005581361

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 12.5

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1005581345Test Type:Draw DownTest Duration:2Test Level:13.5

Test Level: 12.5 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005581347Test Type:Draw Down

Test Duration: 3
Test Level: 12.5
Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1005581367

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 12.5

Test Level: 12
Test Level UOM: ft

Water Details

Water ID: 1005581337

 Layer:
 1

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 65.0

 Water Found Depth UOM:
 ft

Water Details

Water ID: 1005581338

 Layer:
 2

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 122.0

 Water Found Depth UOM:
 ft

Water Details

Water ID: 1005581339

 Layer:
 3

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 134.0

 Water Found Depth UOM:
 ft

Hole Diameter

 Hole ID:
 1005581335

 Diameter:
 9.75

 Depth From:
 0.0

 Depth To:
 28.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

 Hole ID:
 1005581336

 Diameter:
 5.9375

 Depth From:
 28.0

 Depth To:
 140.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

21 1 of 1 ENE/139.3 84.8 / -1.53 5649 HERWIG PLACE MANOTICK ON WWIS

Well ID: 7242995 Data Entry Status:

Construction Date:Data Src:Primary Water Use:Date Received:6/15/2015Sec. Water Use:Selected Flag:TRUEFinal Well Status:Abandoned-OtherAbandonment Rec:Yes

Water Type: Contractor: 7

Casing Material: Form Version: 7

Audit No: Z191412 Owner:

Tag: Street Name: 5649 HERWIG PLACE

Construction Method: County: OTTAWA

 Elevation (m):
 Municipality:
 NORTH GOWER TOWNSHIP

 Elevation Reliability:
 Site Info:
 LOT 10 & 11

 Depth to Bedrock:
 Lot:

Well Depth: Concession:
Overburden/Bedrock: Concession Name:
Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:
Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7242995.pdf

Zone:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

18

447026.00

UTM83

5007692.00

margin of error: 30 m - 100 m

Order No: 22030300700

Additional Detail(s) (Map)

2015/04/22 Well Completed Date: 2015 Year Completed:

Depth (m):

45.2207246737694

Latitude: Longitude: -75.6747240992347 724\7242995.pdf Path:

Bore Hole Information

1005408851 Bore Hole ID: Elevation: Elevrc:

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 22-Apr-2015 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Annular Space/Abandonment

Sealing Record

1005575111 Plug ID:

Layer: 2 4.0 Plug From: Plug To: 0.0 Plug Depth UOM:

Annular Space/Abandonment

Sealing Record

1005575109 Plug ID:

Layer: Plug From: 0.0 Plug To: 39.0 Plug Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1005575110

Layer: 39.0 Plug From: 4.0 Plug To: Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1005575108

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

Pipe ID: 1005575102

Casing No: Comment:

Construction Record - Casing

1005575106 Casing ID:

Layer: Material:

Alt Name:

Open Hole or Material:

Depth From: Depth To: Casing Diameter: Casing Diameter UOM:

inch Casing Depth UOM: ft

Construction Record - Screen

1005575107 Screen ID:

Layer: Slot: Screen Top Depth: Screen End Depth:

Screen Material: Screen Depth UOM:

inch Screen Diameter UOM:

Screen Diameter:

Water Details

Water ID: 1005575105

Layer: Kind Code: Kind:

Water Found Depth: ft

Water Found Depth UOM:

Hole Diameter

Hole ID: 1005575104

Diameter: Depth From: Depth To:

Hole Depth UOM: ft Hole Diameter UOM: inch

> E/141.4 5659 MANOTICK MAIN ST lot 4 con A **22** 1 of 1 85.5 / -0.89

MANOTICK ON

7321150 Well ID:

Construction Date:

Primary Water Use: Domestic

Sec. Water Use:

Final Well Status: Water Supply

Water Type:

Casing Material:

Audit No: Z276740 A252839 Tag:

Data Entry Status:

Data Src:

Date Received: 10/29/2018 **TRUE** Selected Flag:

Abandonment Rec:

Contractor: 1119 Form Version:

Owner:

5659 MANOTICK MAIN ST Street Name:

WWIS

Construction Method: County: OTTAWA

Elevation (m):Municipality:NORTH GOWER TOWNSHIPElevation Reliability:Site Info:

 Depth to Bedrock:
 Lot:
 004

 Well Depth:
 Concession:
 A

 Overburden/Bedrock:
 Concession Name:
 CON

 Overburden/Bedrock:
 Concession Name:
 COI

 Pump Rate:
 Easting NAD83:

 Static Water Level:
 Northing NAD83:

Flowing (Y/N): Zone: Flow Rate: UTM Reliability:

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/732\732\150.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 2018/08/22

 Year Completed:
 2018

 Depth (m):
 36.576

 Latitude:
 45.2203387612615

 Longitude:
 -75.6745284824787

 Path:
 732\7321150.pdf

Bore Hole Information

Bore Hole ID: 1007302654 Elevation: DP2BR: Elevro:

Date Completed: 22-Aug-2018 00:00:00 **UTMRC Desc:** margin of error : 30 m - 100 m

Order No: 22030300700

Remarks: Location Method: wwn
Elevro Desc:

Elevrc Desc:
Location Source Date:

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

Overburden and Bedrock Materials Interval

Formation ID: 1007581797

Layer: 1

Color: General Color:

Mat1: 11

 Most Common Material:
 GRAVEL

 Mat2:
 01

 Mat2 Desc:
 FILL

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 30.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1007581798

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 30.0 Formation End Depth: 120.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 1007581835

 Layer:
 2

 Plug From:
 28.0

 Plug To:
 38.0

Plug Depth UOM:

Annular Space/Abandonment

Sealing Record

 Plug ID:
 1007581834

 Layer:
 1

 Plug From:
 0.0

 Plug From:
 0.0

 Plug To:
 28.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:1007581833Method Construction Code:5Method Construction:Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 1007581795

Casing No: 0

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1007581804

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

 Depth From:
 38.0

 Depth To:
 120.0

 Casing Diameter:
 6.125

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Casing

Casing ID: 1007581803

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 -2.0

 Depth To:
 38.0

 Casing Diameter:
 6.25

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Screen

Screen ID: 1007581805

Layer: Slot:

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

Results of Well Yield Testing

Pump Test ID: 1007581796

Pump Set At: 100.0

 Static Level:
 22.899999618530273

 Final Level After Pumping:
 30.899999618530273

Recommended Pump Depth: 100.0
Pumping Rate: 20.0
Flowing Rate:

Recommended Pump Rate: 20.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 0
Water State After Test:

Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN:

Flowing:

Draw Down & Recovery

Pump Test Detail ID:1007581818Test Type:Draw Down

Test Duration: 15

Test Level: 30.600000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007581831Test Type:Recovery

Test Duration: 60

Test Level: 22.899999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007581816Test Type:Draw Down

Test Duration: 10

Test Level: 30.399999618530273

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1007581820Test Type:Draw Down

Test Duration: 20

Test Level: 30.899999618530273

ft

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007581829
Test Type: Recovery

Test Duration: 50

Test Level: 22.899999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007581819Test Type:Recovery

Test Duration: 15

Test Level: 22.899999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007581827Test Type:Recovery

Test Duration: 40

Test Level: 22.899999618530273

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1007581828Test Type:Draw Down

Test Duration: 50

Test Level: 30.899999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007581814Test Type:Draw Down

Test Duration: 5

Test Level: 30.200000762939453

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007581822Test Type:Draw Down

Test Duration: 25

Test Level: 30.799999237060547

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007581823 Test Type: Recovery 25

Test Duration:

Test Level: 22.899999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007581807 Recovery Test Type:

Test Duration:

22.899999618530273 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1007581808 Pump Test Detail ID: Test Type: Draw Down

Test Duration:

29.399999618530273 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1007581811 Pump Test Detail ID: Test Type: Recovery

Test Duration:

22.899999618530273 Test Level:

Test Level UOM:

Draw Down & Recovery

1007581809 Pump Test Detail ID: Test Type: Recovery

Test Duration:

Test Level: 22.899999618530273

Test Level UOM: ft

Draw Down & Recovery

1007581812 Pump Test Detail ID: Test Type: Draw Down

Test Duration:

Test Level: 30.100000381469727

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1007581815 Recovery Test Type:

Test Duration:

22.899999618530273 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007581810 Test Type: Draw Down

Test Duration:

Test Level: 29.899999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007581817
Test Type: Recovery

Test Duration: 10

Test Level: 22.899999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007581821
Test Type: Recovery

Test Duration: 20

Test Level: 22.899999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007581825
Test Type: Recovery

 Test Duration:
 30

 Test Level:
 22.899999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007581830Test Type:Draw Down

Test Duration: 60

Test Level: 30.899999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007581806Test Type:Draw Down

Test Duration:

Test Level: 28.100000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007581813Test Type:Recovery

Test Duration: 4

Test Level: 22.899999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007581824
Test Type: Draw Down

Test Duration: 30

Test Level: 30.899999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007581826
Test Type: Draw Down

Test Duration: 40

Test Level: 30.899999618530273

Test Level UOM:

Water Details

Water ID: 1007581801

 Layer:
 1

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 100.0

 Water Found Depth UOM:
 ft

Water Details

Water ID: 1007581802

 Layer:
 2

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 114.0

 Water Found Depth UOM:
 ft

Hole Diameter

 Hole ID:
 1007581800

 Diameter:
 6.125

 Depth From:
 38.0

 Depth To:
 120.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

 Hole ID:
 1007581799

 Diameter:
 9.75

 Depth From:
 0.0

 Depth To:
 38.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

23 1 of 1 E/147.7 85.5 / -0.89 5659 MANOTICK MAIN ST MANOTICK ON

WWIS

Order No: 22030300700

Well ID: 7321066 Data Entry Status:

 Construction Date:
 Data Src:

 Primary Water Use:
 Date Received:
 10/29/2018

 Sec. Water Use:
 Selected Flag:
 TRUE

 Final Well Status:
 Abandoned-Supply
 Abandonment Rec:
 Yes

Final Well Status: Abandoned-Supply Abandonment Rec: Yes Water Type: Contractor: 1119
Casing Material: Form Version: 7
Audit No: Z276739 Owner:

Tag: Street Name: 5659 MANOTICK MAIN ST

 Construction Method:
 County:
 OTTAWA

 Elevation (m):
 Municipality:
 NORTH GOWER TOWNSHIP

 Elevation Reliability:
 Site Info:

Depth to Bedrock:

Well Depth:

Overburden/Bedrock:

Lot:

Concession:

Concession Name:

Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Flowing (Y/N):

Zone: UTM Reliability: Flow Rate:

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/732\7321066.pdf

Additional Detail(s) (Map)

2018/08/20 Well Completed Date: Year Completed: 2018

Depth (m):

Latitude: 45.220501004078 Longitude: -75.6744921904158 732\7321066.pdf Path:

Bore Hole Information

Bore Hole ID: 1007303261 Elevation: DP2BR: Elevrc:

Spatial Status: Zone:

18 Code OB: East83: 447044.00 5007667.00 Code OB Desc: North83: Open Hole: Org CS: UTM83 **UTMRC**: Cluster Kind:

Date Completed: 20-Aug-2018 00:00:00 **UTMRC Desc:** margin of error: 30 m - 100 m

Order No: 22030300700

Remarks: Location Method:

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

1007579218 Formation ID:

Layer: Color: General Color: Mat1:

Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: Formation End Depth: Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1007579224

Layer: 1 Plug From: 0.0 Plug To: 5.0 Plug Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1007579225

 Layer:
 2

 Plug From:
 5.0

 Plug To:
 45.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: Method Construction Code:

Method Construction:
Other Method Construction:

ode:

1007579223

Pipe Information

Pipe ID: 1007579217

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1007579221

Layer: Material:

Open Hole or Material:

Depth From: Depth To: Casing Diameter: Casing Diameter UOM:

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1007579222

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Water Details

Water ID: 1007579220

Layer: Kind Code:

Kind:

Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1007579219

Diameter: Depth From:

Depth To:

Hole Depth UOM: ft
Hole Diameter UOM: inch

24 1 of 1 SSE/152.7 89.8 / 3.47 lot 4 ON WWIS

Well ID: 1506495 Data Entry Status:

Construction Date: Data Src:

Primary Water Use:DomesticDate Received:4/1/1952Sec. Water Use:0Selected Flag:TRUE

Final Well Status:Water SupplyAbandonment Rec:Water Type:Contractor:3725Casing Material:Form Version:1

Casing Material: Form Version:
Audit No: Owner:
Tag: Street Name:

 Construction Method:
 County:
 OTTAWA

 Elevation (m):
 Municipality:
 NORTH GOWER TOWNSHIP

Elevation Reliability:

Depth to Bedrock:

Well Depth:

Site Info:

Lot:

004

Concession:

Well Depth: Concession:

Overburden/Bedrock: Concession Name: BF

Pump Rate: Easting NAD83:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506495.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1951/11/20

 Year Completed:
 1951

 Depth (m):
 19.5072

 Latitude:
 45.2186011497757

 Longitude:
 -75.6761025366878

 Path:
 150\1506495.pdf

Bore Hole Information

 Bore Hole ID:
 10028531
 Elevation:

 DP2BR:
 Elevrc:

Spatial Status: Zone: 18

 Code OB:
 East83:
 446915.80

 Code OB Desc:
 North83:
 5007457.00

 Open Hole:
 Org CS:

Cluster Kind: UTMRC:

Date Completed:20-Nov-1951 00:00:00UTMRC Desc:unknown UTMRemarks:Location Method:p9

Order No: 22030300700

Elevrc Desc: Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931004665

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: 30.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004666

Layer: 2

Color:

General Color:

lat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 30.0 Formation End Depth: 64.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961506495

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10577101

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930049802

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 64.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930049801

Layer: 1
Material: 1
Open Hole or Material: STEEL

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) (m) Depth From: Depth To: 36.0 Casing Diameter: 4.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506495

Pump Set At:

Static Level: 10.0

Final Level After Pumping: Recommended Pump Depth:

Pumping Rate: Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft Rate UOM: GPM

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

Flowing: No

Water Details

Water ID: 933460646

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 40.0

 Water Found Depth UOM:
 ft

25 1 of 1 E/155.9 85.3 / -1.10 lot 4 WWIS

Well ID: 1506494 Data Entry Status:

Construction Date: Data Src: 1

Primary Water Use:DomesticDate Received:12/7/1949Sec. Water Use:0Selected Flag:TRUE

Final Well Status: Water Supply
Water Type:
Abandonment Rec:
Contractor: 3601

Casing Material: Form Version: 1
Audit No: Owner:

Tag: Street Name: Construction Method: County:

Elevation (m):Municipality:NORTH GOWER TOWNSHIPElevation Reliability:Site Info:

Depth to Bedrock:Lot:004Well Depth:Concession:

 Overburden/Bedrock:
 Concession Name:
 BF

 Pump Rate:
 Easting NAD83:

Static Water Level:
Northing NAD83:
Flowing (Y/N):
Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506494.pdf

Additional Detail(s) (Map)

OTTAWA

> Zone: East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

18

p9

447055.80

5007647.00

unknown UTM

Well Completed Date: 1949/10/04 Year Completed: 1949 Depth (m): 8.5344

Latitude: 45.2203218724587 Longitude: -75.6743397780562 150\1506494.pdf Path:

Bore Hole Information

Bore Hole ID: 10028530 Elevation: Elevrc:

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 04-Oct-1949 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931004663

Layer:

Color:

General Color:

Mat1: 05 Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 24.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931004664 Formation ID:

Layer: 2

Color: General Color:

Mat1: 11 Most Common Material:

GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

24.0 Formation Top Depth: 28.0 Formation End Depth: Formation End Depth UOM:

Method of Construction & Well

Use

Method Construction ID: 961506494

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

10577100 Pipe ID:

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930049800

Layer: Material:

STEEL Open Hole or Material:

Depth From:

Depth To: 28.0 Casing Diameter: 4.0 inch Casing Diameter UOM: Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506494

Pump Set At:

2.0 Static Level:

Final Level After Pumping: Recommended Pump Depth:

Pumping Rate: Flowing Rate:

Recommended Pump Rate:

Levels UOM:

Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method:

Pumping Duration HR: 1 **Pumping Duration MIN:** 0 No Flowing:

Water Details

Water ID: 933460645

Layer: Kind Code:

Kind: **FRESH** Water Found Depth: 28.0 Water Found Depth UOM: ft

ft

City of ottawa

5669 Rideau Valley Drive North

Ottawa ON

Status:

Generator No: ON1549684 SIC Code: 913140

1 of 12

Municipal Fire-Fighting Services SIC Description:

Approval Years: 03,04,05,06,07,08

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

PO Box No: Country:

26

ESE/160.6

89.6 / 3.20

GEN

Map Key Number of Direction/ Elev/Diff Site DΒ (m)

Records Distance (m)

Waste Class:

Detail(s)

Country:

Country:

LIGHT FUELS Waste Class Desc:

Waste Class:

TRANSFER STATION OILS WASTES Waste Class Desc:

Waste Class:

OIL SKIMMINGS & SLUDGES Waste Class Desc:

26 2 of 12 ESE/160.6 City of ottawa 89.6 / 3.20

5669 Rideau Valley Drive North

GEN

GEN

Order No: 22030300700

Ottawa ON

Choice of Contact:

Phone No Admin:

Contam. Facility:

MHSW Facility:

Status:

Status:

Co Admin: Choice of Contact:

Phone No Admin:

Contam. Facility:

5669 Rideau Valley Drive North

MHSW Facility:

Co Admin:

ON1549684 Generator No: 913140 SIC Code:

SIC Description: Municipal Fire-Fighting Services

2009 Approval Years:

PO Box No:

Detail(s) Waste Class: 251

Waste Class Desc: OIL SKIMMINGS & SLUDGES

3 of 12 ESE/160.6 89.6 / 3.20 **26** City of ottawa

5669 Rideau Valley Drive North

Ottawa ON

Generator No: ON1549684 SIC Code: 913140

SIC Description: Municipal Fire-Fighting Services

Approval Years:

PO Box No:

Detail(s)

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

4 of 12 ESE/160.6 89.6 / 3.20 26 City of ottawa **GEN**

Status:

Co Admin:

Choice of Contact: Phone No Admin:

Ottawa ON

ON1549684

913140 SIC Code:

SIC Description: Municipal Fire-Fighting Services

Approval Years:

PO Box No: Contam. Facility: Country: MHSW Facility:

Detail(s)

Generator No:

Waste Class: 251

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

Map Key Numb Reco			Direction/ Distance (m)	Elev/Diff (m)	Site		DB
<u>26</u>	5 of 12		ESE/160.6	89.6 / 3.20	City of ottawa 5669 Rideau Valley L Ottawa ON	Drive North	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country:		ON1549684 913140 Municipal Fire-Fighting Services 2012			Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:		
<u>Detail(s)</u>							
Waste Class Waste Class			251 OIL SKIMMINGS	& SLUDGES			
<u>26</u>	6 of 12		ESE/160.6	89.6 / 3.20	City of ottawa 5669 Rideau Valley L Ottawa ON	Drive North	GEN
Generator N SIC Code: SIC Descrip Approval Ye PO Box No: Country:	otion: ears:	ON15496 913140 2013	584		Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:		
Detail(s)							
Waste Class: Waste Class Desc:		251 OIL SKIMMINGS & SLUDGES					
<u>26</u>	7 of 12		ESE/160.6	89.6 / 3.20	City of ottawa 5669 Rideau Valley L Ottawa ON K4M 1C8		GEN
Generator N SIC Code: SIC Descrip Approval Ye PO Box No: Country:	otion: ears:	ON15496 913140 913140 2016 Canada	684		Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	CO_OFFICIAL No No	
<u>Detail(s)</u>							
Waste Class: Waste Class Desc:		251 OIL SKIMMINGS & SLUDGES					
<u>26</u>	8 of 12		ESE/160.6	89.6 / 3.20	City of ottawa 5669 Rideau Valley L Ottawa ON K4M 1C8		GEN
Generator N SIC Code: SIC Descrip Approval Ye PO Box No: Country:	otion: ears:	ON15496 913140 913140 2015 Canada	684		Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	CO_OFFICIAL No No	

DB Map Key Number of Direction/ Elev/Diff Site Records Distance (m) (m) Detail(s) Waste Class: OIL SKIMMINGS & SLUDGES Waste Class Desc: 9 of 12 26 ESE/160.6 89.6 / 3.20 City of ottawa **GEN** 5669 Rideau Valley Drive North Ottawa ON K4M 1C8 ON1549684 Generator No: Status: SIC Code: 913140 Co Admin: 913140 CO_OFFICIAL SIC Description: Choice of Contact: Approval Years: 2014 Phone No Admin: PO Box No: Contam. Facility: No Canada MHSW Facility: Country: No Detail(s) Waste Class: Waste Class Desc: **OIL SKIMMINGS & SLUDGES** 26 10 of 12 ESE/160.6 89.6 / 3.20 City of ottawa RPAM **GEN** 5669 Rideau Valley Drive North Ottawa ON K4M 1C8 ON1549684 Registered Generator No: Status: Co Admin: SIC Code: Choice of Contact: SIC Description: Approval Years: As of Dec 2018 Phone No Admin: Contam. Facility: PO Box No: Country: Canada MHSW Facility: Detail(s) Waste Class: 251 I Waste Class Desc: Waste oils/sludges (petroleum based) ESE/160.6 26 11 of 12 89.6 / 3.20 City of ottawa RPAM **GEN** 5669 Rideau Valley Drive North Ottawa ON K4M 1C8 ON1549684 Registered Generator No: Status: SIC Code: Co Admin: SIC Description: Choice of Contact: Approval Years: As of Jul 2020 Phone No Admin: PO Box No: Contam. Facility: MHSW Facility: Canada Country: Detail(s) Waste Class: Waste Class Desc: Waste oils/sludges (petroleum based) 26 12 of 12 ESE/160.6 89.6 / 3.20 City of ottawa RPAM **GEN** 5669 Rideau Valley Drive North

Ottawa ON K4M 1C8

Registered

Order No: 22030300700

Status:

Co Admin:

Choice of Contact:

ON1549684

SIC Code:

Generator No:

SIC Description:

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

Phone No Admin:

Approval Years:

As of Nov 2021

PO Box No: Contam. Facility: Country: Canada MHSW Facility:

Detail(s)

Waste Class: 251 L

Waste oils/sludges (petroleum based) Waste Class Desc:

27 1 of 1 WSW/168.6 84.9 / -1.50 POTTER DR + MANOTIC MAIN ST lot 4 con A **WWIS** MANOTICK ON

7181760 Well ID: Data Entry Status:

Construction Date: Data Src:

Monitoring and Test Hole 5/29/2012 Primary Water Use: Date Received: Sec. Water Use: Selected Flag: TRUE Final Well Status: Abandoned-Other Abandonment Rec: Yes

Water Type: Contractor: 4875 Casing Material: Form Version: 7

Z133017 Audit No: Owner:

Street Name: POTTER DR + MANOTIC MAIN ST Tag:

Construction Method: County: **OTTAWA**

NORTH GOWER TOWNSHIP Elevation (m): Municipality:

Elevation Reliability: Site Info:

004 Depth to Bedrock: Lot: Well Depth: Concession: CON

Overburden/Bedrock: Concession Name: Easting NAD83: Pump Rate:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

Flow Rate: UTM Reliability:

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/718\7181760.pdf

Additional Detail(s) (Map)

Well Completed Date: 2012/03/23 Year Completed: 2012 Depth (m): 14.5

45.2188911061047 Latitude: Longitude: -75.6788162973326 Path: 718\7181760.pdf

Bore Hole Information

1003809905 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: 18 Zone: Code OB: East83: 446703.00 Code OB Desc: North83: 5007491.00 Open Hole: Org CS: MTM09 Cluster Kind: **UTMRC:**

23-Mar-2012 00:00:00 margin of error: 30 m - 100 m Date Completed: UTMRC Desc:

Order No: 22030300700

Remarks: Location Method: wwr

Elevrc Desc: Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1004325896

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 16

Most Common Material: DOLOMITE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 11.069999694824219

Formation End Depth: 14.5 **Formation End Depth UOM:** m

Overburden and Bedrock

Materials Interval

Formation ID: 1004325895

Layer: 2 Color: 2 General Color: **GREY** Mat1: 34 TILL Most Common Material: Mat2: 28 Mat2 Desc: SAND Mat3: 11 Mat3 Desc: **GRAVEL**

 Formation Top Depth:
 7.630000114440918

 Formation End Depth:
 11.069999694824219

Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1004325894

 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: 7.630000114440918

Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 1004325911

Layer: 1 0.0

Plug To: 11.430000305175781

Plug Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 1004325912

Layer: 2

Plug From: 4.269999980926514

Plug To: 14.5 Plug Depth UOM: m

Method of Construction & Well

<u>Use</u>

1004325910 **Method Construction ID:**

Method Construction Code:

Rotary (Convent.) **Method Construction:**

Other Method Construction:

Pipe Information

Pipe ID: 1004325892

Casing No: 0

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1004325900

Layer: Material: Open Hole or Material: **STEEL**

-0.46000000834465027 Depth From: Depth To: 11.430000305175781 15.880000114440918 Casing Diameter:

Casing Diameter UOM: cm Casing Depth UOM:

Construction Record - Screen

Screen ID: 1004325901

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

m Screen Diameter UOM: cm

Screen Diameter:

Results of Well Yield Testing

1004325893 Pump Test ID:

Pump Set At:

Static Level: 2.880000114440918

Final Level After Pumping: Recommended Pump Depth:

Pumping Rate: Flowing Rate:

Recommended Pump Rate:

Levels UOM: m Rate UOM: LPM Water State After Test Code: 0

Water State After Test: Pumping Test Method: 0 **Pumping Duration HR:**

Pumping Duration MIN:

Flowing:

Draw Down & Recovery

Pump Test Detail ID:1004325902Test Type:Draw Down

Test Duration: 17

Test Level: 3.049999952316284

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1004325906Test Type:Draw Down

Test Duration: 62

Test Level: 3.115000009536743

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004325903
Test Type: Recovery

 Test Duration:
 17

 Test Level:
 2.9700000286102295

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1004325905Test Type:Draw Down

Test Duration: 46

Test Level: 3.0999999046325684

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1004325904Test Type:Draw Down

Test Duration: 32

Test Level: 3.0899999141693115

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004325907
Test Type: Recovery

Test Duration: 62

Test Level: 2.859999895095825

Test Level UOM: m

Water Details

Water ID: 1004325899

Layer: 1
Kind Code: 8

Kind: Untested

Water Found Depth: 12.899999618530273

Water Found Depth UOM:

Hole Diameter

Hole ID: 1004325897

 Diameter:
 15.399999618530273

 Depth From:
 11.430000305175781

Depth To: 14.5
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1004325898

 Diameter:
 22.959999084472656

 Depth From:
 0.0

Depth To: 11.430000305175781

Hole Depth UOM: m Hole Diameter UOM: cm

28 1 of 1 ESE/169.5 89.9 / 3.50 lot 4 WWIS

Well ID: 1518656 Data Entry Status:

Construction Date: Data Src:

Primary Water Use:DomesticDate Received:11/8/1983Sec. Water Use:0Selected Flag:TRUEFinal Well Status:Water SupplyAbandonment Rec:

Water Type: Contractor: 3644
Casing Material: Form Version: 1

Audit No: Owner:
Tag: Street Name:

Construction Method: County: OTTAWA

 Elevation (m):
 Municipality:
 NORTH GOWER TOWNSHIP

 Elevation Reliability:
 Site Info:

Depth to Bedrock: Lot: 004
Well Depth: Concession:

Overburden/Bedrock:Concession Name:BFPump Rate:Easting NAD83:Static Water Level:Northing NAD83:

Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518656.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1983/10/19

 Year Completed:
 1983

 Depth (m):
 13.1064

 Latitude:
 45.2191857965719

 Longitude:
 -75.6746574988643

 Path:
 151\1518656.pdf

Bore Hole Information

Bore Hole ID: 10040526 Elevation: DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 447029.80

 Code OB:
 Eastes:
 447029.80

 Code OB Desc:
 North83:
 5007521.00

 Open Hole:
 Org CS:

Order No: 22030300700

Cluster Kind: UTMRC: 9

UTMRC Desc:

Location Method:

unknown UTM

Order No: 22030300700

р4

Date Completed: 19-Oct-1983 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock Materials Interval

931039105 Formation ID:

Layer: Color: General Color: **GREY** Mat1: 15

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 32.0 43.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931039104

2 Layer: Color: 2 General Color: **GREY** Mat1: 14 Most Common Material: **HARDPAN**

Mat2: 12

Mat2 Desc:

STONES Mat3:

Mat3 Desc:

Formation Top Depth: 5.0 Formation End Depth: 32.0

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931039103

Layer: Color: 2 **GREY** General Color: Mat1: 05 CLAY Most Common Material:

Mat2: Mat2 Desc: Mat3:

Mat3 Desc:

0.0 Formation Top Depth: Formation End Depth: 5.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961518656

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10589096

Casing No:

Comment: Alt Name:

Construction Record - Casing

 Casing ID:
 930070748

 Layer:
 2

Layer: Material:

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:43.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930070747

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:34.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991518656

Pump Set At:

Static Level: 11.0 Final Level After Pumping: 30.0 Recommended Pump Depth: 30.0 Pumping Rate: 30.0 Flowing Rate: Recommended Pump Rate: 10.0 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: 2 CLOUDY Water State After Test: Pumping Test Method: 1 **Pumping Duration HR:** 1 **Pumping Duration MIN:** 0

Draw Down & Recovery

 Pump Test Detail ID:
 934103968

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 30.0

Order No: 22030300700

No

Flowing:

Test Level UOM:

Draw Down & Recovery

 Pump Test Detail ID:
 934649954

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 30.0

 Test Level UOM:
 ft

ft

Draw Down & Recovery

 Pump Test Detail ID:
 934899493

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 30.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934379973

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 30.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933475422

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 37.0

 Water Found Depth UOM:
 ft

29 1 of 1 SE/173.8 91.1 / 4.67
ON

Borehole ID: 611772 **OGF ID:** 215513086

Status:

Type: Borehole

Use: Completion Date:

Static Water Level: 1.5
Primary Water Use:

Sec. Water Use:

Total Depth m: -999

Depth Ref: Ground Su

Depth Elev: Drill Method:

Orig Ground Elev m: 93
Elev Reliabil Note:

DEM Ground Elev m: 92.2

Concession: Location D: Survey D: Comments:
 -999
 Longitude DD:
 -75.67515

 Ground Surface
 UTM Zone:
 18

 UTM Zone:
 18

 Easting:
 446991

 Northing:
 5007482

Location Accuracy:

Inclin FLG:

SP Status:

Surv Elev:

Piezometer:

Primary Name:

Municipality:

Township:

Latitude DD:

Lot:

Accuracy: Not Applicable

No

No

No

Initial Entry

45.218831

Borehole Geology Stratum

BORE

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

Geology Stratum ID: 218389164 Top Depth:

Mat Consistency: Material Moisture: 0 9.1 Material Texture: Non Geo Mat Type: Clay Geologic Formation: Geologic Group:

Material 2: Material 3: Material 4:

Bottom Depth:

Material Color:

Material 1:

Geologic Period: Depositional Gen:

Gsc Material Description:

Stratum Description: CLAY.

Geology Stratum ID: 218389166 Mat Consistency: Top Depth: 9.1 Material Moisture: Bottom Depth: Material Texture: Material Color: Non Geo Mat Type:

Material 1: **Bedrock** Geologic Formation: Geologic Group: Material 2: Limestone Material 3: Geologic Period: Material 4 Depositional Gen:

Gsc Material Description:

BEDROCK, LIMESTONE. Y = 3700. BEDROCK. SEISMIC VELOCITY = 15000. BEDROCK. SEISMIC VELOCIT Stratum Description:

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

Geology Stratum ID: 218389165 Mat Consistency: Top Depth: 9.1 Material Moisture: Bottom Depth: 9.1 Material Texture: Material Color: Non Geo Mat Type: Gravel Geologic Formation: Material 1: Material 2: Geologic Group:

Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

GRAVEL. WATER STABLE AT 300.0 FEET. Stratum Description:

Source

Source Type: **Data Survey** Source Appl: Spatial/Tabular

Source Orig: Geological Survey of Canada Source Iden: Source Date: 1956-1972 Scale or Res: Varies Confidence: Μ Horizontal: NAD27

Observatio: Verticalda: Mean Average Sea Level

Urban Geology Automated Information System (UGAIS) Source Name: File: OTTAWA1.txt RecordID: 042800 NTS_Sheet: 31G04G Source Details:

Confiden 1: Reliable information but incomplete.

Source List

NAD27 Source Identifier: Horizontal Datum:

Data Survey Mean Average Sea Level Source Type: Vertical Datum: Source Date: 1956-1972 Universal Transverse Mercator Projection Name:

Scale or Resolution: Varies

Urban Geology Automated Information System (UGAIS) Source Name:

Source Originators: Geological Survey of Canada

E/179.3 84.8 / -1.61 **30** 1 of 1 lot 4 WWIS ON

Order No: 22030300700

Well ID: 1513374 Data Entry Status:

Construction Date: Data Src:

8/13/1973 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: TRUE

Final Well Status: Water Supply Abandonment Rec:

1558 Water Type: Contractor:

Casing Material: Form Version: 1

Audit No: Owner:
Tag: Street Name:

Construction Method: County: OTTAWA

Elevation (m):Municipality:NORTH GOWER TOWNSHIPElevation Reliability:Site Info:

Depth to Bedrock: Lot: 004

Well Depth: Concession:
Overburden/Bedrock: Concession Name: BF

Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:
Flow Rate: UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513374.pdf

Additional Detail(s) (Map)

Clear/Cloudy:

 Well Completed Date:
 1973/06/05

 Year Completed:
 1973

 Depth (m):
 11.8872

 Latitude:
 45.2203686064375

 Longitude:
 -75.674047383753

 Path:
 151\1513374.pdf

Bore Hole Information

Bore Hole ID: 10035360 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 447078.80

 Code OB Desc:
 North83:
 5007652.00

Open Hole: Org CS: Cluster Kind: UTMRC:

 Date Completed:
 05-Jun-1973 00:00:00
 UTMRC Desc:
 margin of error: 30 m - 100 m

Order No: 22030300700

Remarks: Location Method: Elevro Desc:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Location Source Date:

Overburden and Bedrock

Materials Interval

Formation ID: 931023199

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 2.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931023200

 Layer:
 3

 Color:
 3

 General Color:
 BLUE

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 10.0 Formation End Depth: 30.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931023198

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 28

 Most Common Material:
 SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 2.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931023201

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 30.0 Formation End Depth: 39.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961513374

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

 Pipe ID:
 10583930

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

930062623 Casing ID:

Layer: 1 Material:

Open Hole or Material: STEEL

Depth From:

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

Construction Record - Casing

930062624 Casing ID:

2 Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From:

Depth To: 39.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513374

Pump Set At:

5.0 Static Level: Final Level After Pumping: 30.0 Recommended Pump Depth: 30.0 Pumping Rate: 10.0 Flowing Rate: 5.0 Recommended Pump Rate: Levels UOM: Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR**

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

Draw Down & Recovery

934639595 Pump Test Detail ID: Draw Down Test Type: Test Duration: 45 30.0 Test Level: Test Level UOM:

Draw Down & Recovery

934099208 Pump Test Detail ID: Test Type: Draw Down Test Duration: 15 Test Level: 30.0 Test Level UOM: ft

Number of Direction/ Elev/Diff DΒ Map Key

Records

Distance (m)

(m)

Site

Draw Down & Recovery

Pump Test Detail ID: 934378600 Test Type: Draw Down Test Duration: 30 30.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934897066 Test Type: Draw Down Test Duration: 60 Test Level: 30.0 Test Level UOM:

Water Details

933468913 Water ID: Layer: Kind Code: **FRESH** Kind: Water Found Depth: 38.0 Water Found Depth UOM: ft

31 1 of 1 SW/186.2 85.0 / -1.36 POTTER DR + HANOTICK MAIN ST lot 4 con A **WWIS MANOTICK ON**

Well ID: 7181759

Construction Date:

Test Hole Primary Water Use:

Sec. Water Use:

Final Well Status: Abandoned-Other Water Type:

Casing Material:

Audit No: Z133016

Tag: Construction Method:

Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock:

Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

PDF URL (Map):

Data Entry Status:

Data Src:

5/29/2012 Date Received: Selected Flag: TRUE Abandonment Rec: Yes Contractor: 4875 Form Version: 7

Owner:

Street Name: POTTER DR + HANOTICK MAIN ST

Order No: 22030300700

County: **OTTAWA**

NORTH GOWER TOWNSHIP Municipality:

Site Info:

004 Lot: Concession: CON Concession Name:

Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/718\7181759.pdf

Additional Detail(s) (Map)

2012/03/23 Well Completed Date: Year Completed: 2012 Depth (m): 38

Latitude: 45.2187016319953 Longitude: -75.6788904614109 718\7181759.pdf Path:

Bore Hole Information

Elevation:

18

446697.00 5007470.00

margin of error: 30 m - 100 m

Order No: 22030300700

MTM09

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

Bore Hole ID: 1003809880

DP2BR: Spatial Status: Code OB: Code OB Desc:

Open Hole: Cluster Kind: Date Completed:

23-Mar-2012 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1004325853

 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: 7.630000114440918

Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1004325854

Layer: 2 Color: General Color: **GREY** Mat1: 34 Most Common Material: TILL Mat2: 28 Mat2 Desc: SAND Mat3: 11 Mat3 Desc: **GRAVEL**

 Formation Top Depth:
 7.630000114440918

 Formation End Depth:
 11.140000343322754

Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1004325856

Layer: 4

Color:

General Color:

Mat1:

Most Common Material:

Mat2: Mat2 Desc: Mat3:

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

Mat3 Desc:

Formation Top Depth: 11.600000381469727

Formation End Depth: 38.0 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1004325855

Layer: 2 Color: **GREY** General Color: Mat1: 16 DOLOMITE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 11.140000343322754 Formation End Depth: 11.600000381469727

Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 1004325890 1

Layer: Plug From: 0.0

Plug To:

11.279999732971191

Plug Depth UOM:

Annular Space/Abandonment

Sealing Record

1004325891 Plug ID:

Layer: 2

Plug From: 4.880000114440918 Plug To: 11.600000381469727

Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1004325889

Method Construction Code:

Method Construction: Rotary (Convent.)

Other Method Construction:

Pipe Information

Pipe ID: 1004325851

Casing No: 0

Comment: Alt Name:

Construction Record - Casing

1004325860 Casing ID:

Layer: Material: Open Hole or Material: STEEL

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

-0.5099999904632568 Depth From: Depth To: 11.279999732971191 Casing Diameter: 15.880000114440918

Casing Diameter UOM: cm Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1004325861

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: m cm

Screen Diameter UOM: Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1004325852

13.420000076293945 Pump Set At: Static Level: 2.9100000858306885 3.2899999618530273 Final Level After Pumping:

Recommended Pump Depth:

4.510000228881836 Pumping Rate:

Flowing Rate: Recommended Pump Rate:

Levels UOM: Rate UOM:

LPM Water State After Test Code: 1 Water State After Test: **CLEAR** Pumping Test Method: 0 **Pumping Duration HR:** 2

Pumping Duration MIN:

Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1004325862 Test Type: Draw Down

Test Duration:

Test Level: 3.049999952316284

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004325868 Test Type: Draw Down

Test Duration:

3.0999999046325684 Test Level:

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004325879 Test Type: Recovery Test Duration: 25 3.0 Test Level: Test Level UOM: m

Draw Down & Recovery

1004325880 Pump Test Detail ID: Draw Down Test Type:

Test Duration: 30

3.2300000190734863 Test Level:

Test Level UOM: m

Draw Down & Recovery

1004325882 Pump Test Detail ID: Draw Down Test Type:

Test Duration: 40

Test Level: 3.240000009536743

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1004325884 Test Type: Draw Down

Test Duration: 50

3.259999990463257 Test Level:

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004325873 Test Type: Recovery Test Duration: 10

Test Level: 3.069999933242798

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1004325883 Test Type: Recovery 40

Test Duration:

Test Level: 2.9600000381469727

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1004325872 Test Type: Draw Down

Test Duration: 10

3.1500000953674316 Test Level:

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004325874 Test Type: Draw Down

Test Duration: 15

3.1700000762939453 Test Level:

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004325877 Recovery Test Type:

Test Duration: 20

Test Level: 3.0199999809265137

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1004325878Test Type:Draw Down

Test Duration: 25

Test Level: 3.2100000381469727

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1004325866Test Type:Draw Down

Test Duration: 3

Test Level: 3.0799999237060547

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1004325864Test Type:Draw Down

Test Duration: 2

Test Level: 3.069999933242798

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1004325870Test Type:Draw Down

Test Duration: 5

Test Level: 3.109999895095825

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1004325871Test Type:Recovery

Test Duration: 5

Test Level: 3.109999895095825

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1004325876Test Type:Draw Down

Test Duration: 20

Test Level: 3.190000057220459

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004325885
Test Type: Recovery

Test Duration: 50

Test Level: 2.950000047683716

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1004325867 Test Type: Recovery

Test Duration:

3.130000114440918 Test Level:

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004325875 Test Type: Recovery Test Duration: 15

Test Level: 3.0399999618530273

Test Level UOM:

Draw Down & Recovery

1004325881 Pump Test Detail ID: Test Type: Recovery

Test Duration: 30

2.9800000190734863 Test Level:

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1004325887 Test Type: Recovery Test Duration: 60

Test Level: 2.940000057220459

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004325863 Test Type: Recovery

Test Duration:

Test Level: 3.1700000762939453

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1004325865 Test Type: Recovery

Test Duration: 2

3.1500000953674316 Test Level:

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1004325869 Test Type: Recovery

Test Duration:

3.119999885559082 Test Level:

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1004325886

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

Draw Down Test Type:

Test Duration: 60

3.2699999809265137 Test Level:

Test Level UOM: m

Water Details

1004325859 Water ID:

Layer: 1 Kind Code: 8 Untested Kind:

11.399999618530273 Water Found Depth:

Water Found Depth UOM:

Hole Diameter

1004325858 Hole ID:

Diameter: 22.860000610351562

Depth From: 0.0

Depth To: 11.279999732971191

Hole Depth UOM: m Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1004325857

Diameter: 15.239999771118164 Depth From: 11.279999732971191 11.600000381469727 Depth To:

Hole Depth UOM: m Hole Diameter UOM: cm

1 of 1 WNW/192.9 85.0 / -1.41 **32** lot 3 **WWIS** ON

Well ID: 1506487 Data Entry Status:

Construction Date: Data Src:

2/9/1953 Primary Water Use: **Domestic** Date Received: Sec. Water Use: TRUE Selected Flag:

Final Well Status: Water Supply

Abandonment Rec: Contractor: 3601 Water Type: Casing Material: Form Version: 1

Audit No: Owner: Street Name: Tag:

Construction Method: County: **OTTAWA** NORTH GOWER TOWNSHIP Elevation (m): Municipality:

Elevation Reliability: Site Info: Depth to Bedrock: Lot: 003

Well Depth: Concession:

Overburden/Bedrock: Concession Name: ΒF Easting NAD83: Pump Rate:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

UTM Reliability: Flow Rate:

Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506487.pdf PDF URL (Map):

Order No: 22030300700

Additional Detail(s) (Map)

Well Completed Date: 1952/12/13 Year Completed: 1952

UTMRC Desc:

Location Method:

unknown UTM

p9

Depth (m): 12.8016

 Latitude:
 45.2214636956286

 Longitude:
 -75.679129673955

 Path:
 150\1506487.pdf

Bore Hole Information

Bore Hole ID: 10028523 Elevation: DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 446680.80

 Code OB Desc:
 North83:
 5007777.00

 Open Hole:
 Org CS:

 Cluster Kind:
 UTMRC:
 9

Date Completed: 13-Dec-1952 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

 Formation ID:
 931004649

 Layer:
 2

 Color:
 3

 General Color:
 BLUE

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 30.0 Formation End Depth: 42.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004648

 Layer:
 1

 Color:
 3

 General Color:
 BLUE

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 30.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961506487

Method Construction Code: 1

Method Construction:

Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10577093

 Casing No:
 1

 Comment:
 1

Alt Name:

Construction Record - Casing

 Casing ID:
 930049787

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 30.0

 Casing Diameter:
 4.0

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Casing

 Casing ID:
 930049788

 Layer:
 2

Material: 2

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:42.0Casing Diameter:4.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991506487

ft

GPM

Pump Set At:

Static Level: 3.0 Final Level After Pumping: 3.0

Recommended Pump Depth:

Pumping Rate: 3.0

Flowing Rate:

Recommended Pump Rate:

Levels UOM: Rate UOM:

Water State After Test Code:

Water State After Test:

CLEAR

Pumping Test Method:

Pumping Duration HR:

Pumping Duration MIN:

O

Flowing:

No

Water Details

Water ID: 933460638

 Layer:
 3

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 40.0

 Water Found Depth UOM:
 ft

Water Details

 Water ID:
 933460636

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

Water Found Depth: 25.0
Water Found Depth UOM: ft

Water Details

 Water ID:
 933460637

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 35.0

 Water Found Depth UOM:
 ft

33 1 of 1 WNW/200.4 85.0 / -1.41 lot 3 ON WWIS

Well ID: 1506489 Data Entry Status:

Construction Date: Data Src:

Primary Water Use:DomesticDate Received:12/13/1954Sec. Water Use:0Selected Flag:TRUE

Final Well Status:Water SupplyAbandonment Rec:Water Type:Contractor:1802Casing Material:Form Version:1

Audit No: Owner:
Tag: Street Name:

Construction Method: County: OTTAWA

Elevation (m): Municipality: NORTH GOWER TOWNSHIP

Elevation Reliability:Site Info:Depth to Bedrock:Lot:003Well Depth:Concession:

Overburden/Bedrock: Concession Name: BF
Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506489.pdf

Order No: 22030300700

Additional Detail(s) (Map)

 Well Completed Date:
 1954/11/22

 Year Completed:
 1954

 Depth (m):
 29.5656

 Latitude:
 45.2215537050595

 Longitude:
 -75.6791307455908

 Path:
 150\1506489.pdf

Bore Hole Information

Bore Hole ID: 10028525 Elevation: DP2BR: Elevro:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 446680.80

 Code OB:
 East83:
 446680.80

 Code OB Desc:
 North83:
 5007787.00

 Open Hole:
 Org CS:

Open Hole:Org CS:Cluster Kind:UTMRC:9

UTMRC Desc:

Location Method:

unknown UTM

Order No: 22030300700

p9

Date Completed: 22-Nov-1954 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931004652

Layer:

Color:

General Color:

Mat1: 09

Most Common Material: MEDIUM SAND

Mat2: 13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 25.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004653

Layer: 2

Color:

General Color:

Mat1: 09

Most Common Material: MEDIUM SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 25.0 Formation End Depth: 44.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004654

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 44.0 Formation End Depth: 97.0

Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961506489Method Construction Code:7

Method Construction: Diamond

Other Method Construction:

Pipe Information

 Pipe ID:
 10577095

 Casing No:
 1

Comment:
Alt Name:

Construction Record - Casing

 Casing ID:
 930049792

 Layer:
 2

Layer: Material:

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:97.0Casing Diameter:3.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930049791

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:44.0Casing Diameter:3.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991506489

Pump Set At:

Static Level: 28.0 Final Level After Pumping: 35.0

Recommended Pump Depth:

Pumping Rate: 7.0

Flowing Rate: Recommended Pump Rate:

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

Water Details

Water ID: 933460640

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Water Found Depth: 96.0 Water Found Depth UOM: ft

34 1 of 1 E/202.3 88.5 / 2.14 lot 4 **WWIS**

ON

Well ID: 1506504 Data Entry Status:

Distance (m)

Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 8/5/1958 TRUE Sec. Water Use: Selected Flag:

(m)

Final Well Status: Water Supply Abandonment Rec: Water Type: Contractor: 3601

Casing Material: Form Version: 1 Audit No: Owner:

Tag: Street Name: **Construction Method:** County:

OTTAWA Elevation (m): Municipality: NORTH GOWER TOWNSHIP

Elevation Reliability: Site Info: Depth to Bedrock: Lot: 004 Well Depth: Concession:

Overburden/Bedrock: Concession Name: BF Pump Rate: Easting NAD83:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

UTM Reliability: Flow Rate: Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506504.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1958/07/14 Year Completed: 1958 Depth (m): 18.288

45.2196948124195 Latitude: -75.6738228988797 Longitude: 150\1506504.pdf Path:

Bore Hole Information

Bore Hole ID: Elevation: 10028540 DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 447095.80 Code OB Desc: North83: 5007577.00

Open Hole: Org CS: Cluster Kind: UTMRC:

14-Jul-1958 00:00:00 UTMRC Desc: unknown UTM Date Completed:

Order No: 22030300700

Remarks: Location Method: p9 Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock **Materials Interval**

Formation ID: 931004687

Layer: 1 3 Color:

General Color: BLUE
Mat1: 05
Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 31.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931004688

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 31.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961506504Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10577110

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930049819

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 31.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

 Casing ID:
 930049820

 Layer:
 2

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:			60.0 4.0 inch ft				
Results of W	ell Yield Te	sting					
Pump Test IL Pump Set At: Static Level:			991506504 12.0				
Final Level A Recommend Pumping Rat	ed Pump D		20.0 5.0				
Flowing Rate Recommend Levels UOM:	: ed Pump R	ate:	ft				
Rate UOM: Water State A Water State A		Code:	GPM 1 CLEAR				
Pumping Tes Pumping Dui Pumping Dui Flowing:	ration HR:		1 1 0 No				
Water Details	i						
Water ID: Layer: Kind Code: Kind: Water Found Water Found		W :	933460655 1 1 FRESH 58.0 ft				
<u>35</u>	1 of 1		E/202.4	88.5 / 2.14	ON		BORE
Borehole ID: OGF ID: Status: Type: Use:	215513090 Borehole				Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name:	No Initial Entry No No	
		JUL-195 72.2	8		Municipality: Lot: Township: Latitude DD:	45.219694	
Total Depth r Depth Ref: Depth Elev:	n:	18.3 Ground S	Surface		Longitude DD: UTM Zone: Easting:	-75.673823 18 447096	
Drill Method: Orig Ground Elev Reliabil	Elev m:	89.9			Northing: Location Accuracy: Accuracy:	5007577 Not Applicable	

Order No: 22030300700

Borehole Geology Stratum

DEM Ground Elev m:

Concession: Location D: Survey D: Comments: 90.1

Geology Stratum ID:218389174Mat Consistency:Top Depth:0Material Moisture:Bottom Depth:9.4Material Texture:

 Material Color:
 Blue
 Non Geo Mat Type:

 Material 1:
 Clay
 Geologic Formation:

 Material 2:
 Geologic Group:

 Material 3:
 Geologic Poving:

Material 2: Geologic Group:

Material 3: Geologic Period:

Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: CLAY. BLUE.

Geology Stratum ID: 218389175 Mat Consistency: Top Depth: 9.4 Material Moisture: **Bottom Depth:** 18.3 Material Texture: Material Color: Grey Non Geo Mat Type: Material 1: Limestone Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: LIMESTONE. GREY. 00058FEET.GRAVEL. NE. Y = 3700. BEDROCK. SEISMIC VELOCITY = 15000 **Note:

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

Source

Source Type: Data Survey Source Appl: Spatial/Tabular

Source Orig:Geological Survey of CanadaSource Iden:1Source Date:1956-1972Scale or Res:VariesConfidence:Horizontal:NAD27

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 04284 NTS_Sheet:

Confiden 1:

Source List

Source Identifier: 1 Horizontal Datum: NAD27

Source Type:Data SurveyVertical Datum:Mean Average Sea LevelSource Date:1956-1972Projection Name:Universal Transverse Mercator

Scale or Resolution: Varies

Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

36 1 of 1 ESE/212.4 91.3 / 4.88 5676 RIDEAU VALLEY DR. lot 4 con A WWIS

Order No: 22030300700

Well ID: 7173907 Data Entry Status:

Construction Date: Data Src:

Primary Water Use:

Sec. Water Use:

Final Well Status:

Abandoned-Other

Data Stc.

12/23/2011

12/23/2011

TRUE

Abandonment Rec:

Yes

Water Type: Contractor: 1119
Casing Material: Form Version: 7

Audit No: Z137080 Owner:

Tag:Street Name:5676 RIDEAU VALLEY DR.Construction Method:County:OTTAWA

Elevation (m): Municipality: NORTH GOWER TOWNSHIP
Elevation Reliability: Site Info:

Depth to Bedrock:Lot:004Well Depth:Concession:A

Well Depth: Concession: A
Overburden/Bedrock: Concession Name: CON
Pump Rate: Easting NAD83:

Static Water Level:

Flowing (Y/N):

Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/717\7173907.pdf

Additional Detail(s) (Map)

Well Completed Date: 2011/11/07 Year Completed: 2011

 Depth (m):

 Latitude:
 45.2189543438589

 Longitude:
 -75.6742191733222

 Path:
 717√173907.pdf

Bore Hole Information

 Bore Hole ID:
 1003625246
 Elevation:

 DP2BR:
 Elevrc:

| Spatial Status: | Zone: | Code OB: | East83: | Code OB Desc: | North83: | Open Hole: | Org CS: | Cluster Kind: | UTMRC: | UTMRC: |

Date Completed: 07-Nov-2011 00:00:00 **UTMRC Desc:** margin of error : 100 m - 300 m

18 447064.00

5007495.00

UTM83

Remarks: Location Method:

Elevrc Desc: Location Source Date:

Improvement Location Source: Improvement Location Method:

Source Revision Comment: Supplier Comment:

Annular Space/Abandonment

Sealing Record

Plug ID: 1004093144

 Layer:
 2

 Plug From:
 18.0

 Plug To:
 11.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1004093145

 Layer:
 3

 Plug From:
 11.0

 Plug To:
 10.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1004093143

 Layer:
 1

 Plug From:
 21.0

 Plug To:
 18.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1004093146

 Layer:
 4

 Plug From:
 10.0

 Plug To:
 8.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1004093147

 Layer:
 5

 Plug From:
 8.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: Method Construction Code: Method Construction:

Other Method Construction:

1004093142

Pipe Information

Pipe ID: 1004093136

Casing No: Comment: Alt Name: 0

Construction Record - Casing

Casing ID: 1004093140

Layer: Material:

Open Hole or Material:

Depth From: Depth To: Casing Diameter: Casing Diameter UOM:

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1004093141

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Water Details

Water ID: 1004093139

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM:

ft

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

1004093138

Hole Diameter

Hole ID: Diameter: Depth From: Depth To:

Hole Depth UOM: ft Hole Diameter UOM: inch

> 1 of 1 ENE/223.7 86.8 / 0.42 37 **BORE** ON

> > Geologic Period:

Depositional Gen:

Depositional Gen:

Order No: 22030300700

611784 Borehole ID: Inclin FLG: No

OGF ID: 215513097 SP Status: Initial Entry Status: Surv Elev: No Type: Borehole Piezometer: No

Use: Primary Name: OCT-1969 Completion Date: Municipality:

Static Water Level: Lot: Primary Water Use: Township:

Sec. Water Use: Latitude DD: 45.221537 Total Depth m: 22.3 Longitude DD: -75.674227

Ground Surface Depth Ref: UTM Zone: 18 Depth Elev: Easting: 447066

Drill Method: Northing: 5007782 Orig Ground Elev m: 61 Location Accuracy: Not Applicable

Elev Reliabil Note: Accuracy: DEM Ground Elev m: 86.1 Concession: Location D:

Borehole Geology Stratum

Survey D: Comments:

218389196 Geology Stratum ID: Mat Consistency: Top Depth: 6.1 Material Moisture: **Bottom Depth:** 6.4 Material Texture: Material Color: Grey Non Geo Mat Type: Material 1: Geologic Formation: Sand Material 2: Gravel Geologic Group:

Material 3: Material 4:

Gsc Material Description: SAND, GRAVEL. GREY. Stratum Description:

218389195 Geology Stratum ID: Mat Consistency: Material Moisture: Top Depth: 0 Bottom Depth: 6.1 Material Texture: Material Color: Grey Non Geo Mat Type: Material 1: Clay Geologic Formation: Material 2: Boulders Geologic Group: Geologic Period:

Material 3: Material 4: Gsc Material Description:

Stratum Description: CLAY, BOULDERS. GREY.

218389197 Geology Stratum ID: Mat Consistency: Top Depth: 6.4 Material Moisture: 22.3 **Bottom Depth:** Material Texture: Material Color: Black Non Geo Mat Type: Material 1: Limestone Geologic Formation:

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: LIMESTONE. BLACK. 00071EY. 00227E. GREY. 00075TY = 18000. BEDROCK. SEISMIC VELOCI **Note: Many

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

<u>Source</u>

Source Type: Data Survey Source Appl: Spatial/Tabular

Source Oria: Geological Survey of Canada Source Iden: 1 Source Date: 1956-1972 Scale or Res: Varies Confidence: NAD27 Horizontal:

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS) File: OTTAWA1.txt RecordID: 04292 NTS_Sheet: Source Details:

Confiden 1:

Source List

NAD27 Source Identifier: Horizontal Datum:

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)

Geological Survey of Canada Source Originators:

1 of 1 ENE/223.8 86.8 / 0.42 38 **WWIS** ON

Well ID: 1510424 Data Entry Status:

Construction Date: Data Src:

Domestic Date Received: 12/29/1969 Primary Water Use: Sec. Water Use: Selected Flag: TRUE Final Well Status: Water Supply Abandonment Rec:

Water Type: Contractor: 1503 Casing Material: Form Version: 1 Audit No: Owner:

Tag: Street Name:

Construction Method: County: **OTTAWA**

Municipality: OSGOODE TOWNSHIP Elevation (m): Elevation Reliability: Site Info:

Depth to Bedrock: Lot: Well Depth: Concession:

Overburden/Bedrock: Concession Name: LI

Pump Rate: Easting NAD83: Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

 $https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510424.pdf$ PDF URL (Map):

Order No: 22030300700

Additional Detail(s) (Map)

1969/10/31 Well Completed Date: 1969 Year Completed: Depth (m): 22.2504

Latitude: 45.2215377530539 Longitude: -75.6742267810806 151\1510424.pdf Path:

Bore Hole Information

10032452 Bore Hole ID:

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole:

Cluster Kind:

Date Completed: 31-Oct-1969 00:00:00

Remarks: Elevrc Desc:

Location Source Date: Improvement Location Source: Improvement Location Method:

Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931014853

Layer: 2 Color: General Color: **GREY** 05 Mat1: Most Common Material: CLAY Mat2: 13

Mat2 Desc: **BOULDERS**

Mat3:

Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 20.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931014854

Layer: 2 2 Color: General Color: **GREY**

Most Common Material: MEDIUM SAND Mat2:

GRAVEL Mat2 Desc:

Mat3: Mat3 Desc:

20.0 Formation Top Depth: 21.0 Formation End Depth:

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

931014855 Formation ID: Layer: 3

Color: General Color: **BLACK** Mat1: 15

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Elevation:

Elevrc:

18

447065.80 North83: 5007782.00

Org CS:

UTMRC:

UTMRC Desc: margin of error: 100 m - 300 m

Order No: 22030300700

Location Method: p5

Mat3: Mat3 Desc:

Formation Top Depth: 21.0
Formation End Depth: 73.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961510424

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10581022

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930057494

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 73.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930057493

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:24.0Casing Diameter:5.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991510424

Pump Set At:

Static Level: 15.0 Final Level After Pumping: 30.0 Recommended Pump Depth: 50.0 10.0 Pumping Rate: Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: GPM Rate UOM: Water State After Test Code: 2

Water State After Test:CLOUDYPumping Test Method:2Pumping Duration HR:1Pumping Duration MIN:0

Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934897476

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 30.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934096937

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 25.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934378420

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 30.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934640553

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 30.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933465409

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 71.0

 Water Found Depth UOM:
 ft

39 1 of 1 ESE/225.5 92.1 / 5.69 lot 4 WWIS

Well ID: 1506506 Data Entry Status:

Construction Date: Data Src:

 Primary Water Use:
 Domestic
 Date Received:
 6/27/1960

 Sec. Water Use:
 0
 Selected Flag:
 TRUE

Final Well Status: Water Supply

Abandonment Rec:
Water Type:
Casing Material:
Audit No:

Water Supply

Abandonment Rec:
Contractor:
1802
Form Version:
0 Owner:

Tag: Street Name: Construction Method: County:

 Elevation (m):
 Municipality:
 NORTH GOWER TOWNSHIP

 Elevation Reliability:
 Site Info:

Depth to Bedrock:Lot:004Well Depth:Concession:

Overburden/Bedrock: Concession Name: BF

OTTAWA

5007472.00

Order No: 22030300700

Pump Rate: Easting NAD83: Static Water Level: Northing NAD83:

Static Water Level: Flowing (Y/N):

Flowing (Y/N): Zone:
Flow Rate: UTM Reliability:

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506506.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1960/06/02

 Year Completed:
 1960

 Depth (m):
 31.3944

 Latitude:
 45.2187470812665

 Longitude:
 -75.6742574804221

 Path:
 150\1506506.pdf

Bore Hole Information

 Bore Hole ID:
 10028542
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 447060.80

Code OB Desc: North83:
Open Hole: Org CS:

 Cluster Kind:
 UTMRC:
 5

 Date Completed:
 02-Jun-1960 00:00:00
 UTMRC Desc:
 margin of error : 100 m - 300 m

Remarks: Location Method: p5

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931004694

Layer: 3

Color: General Color:

Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 40.0 Formation End Depth: 103.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004693

Layer: 2 Color:

General Color:

Mat1: 13

Most Common Material: BOULDERS

Mat2: 11

 Mat2 Desc:
 GRAVEL

 Mat3:
 05

 Mat3 Desc:
 CLAY

 Formation Top Depth:
 26.0

 Formation End Depth:
 40.0

 Formation End Depth UOM:
 ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004692

Layer:

Color:

General Color:

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 26.0

Formation End Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID:961506506Method Construction Code:7

Method Construction: Diamond

Other Method Construction:

Pipe Information

 Pipe ID:
 10577112

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930049824

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 103.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930049823

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 46.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

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

Results of Well Yield Testing

Pump Test ID: 991506506

Pump Set At:

Static Level: 20.0 35.0 Final Level After Pumping: 35.0 Recommended Pump Depth: **Pumping Rate:** 3.0 Flowing Rate: 3.0 Recommended Pump Rate: Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: Water State After Test: **CLEAR**

Pumping Test Method: Pumping Duration HR: 2 0 **Pumping Duration MIN:** No Flowing:

Water Details

Water ID: 933460657 Layer: Kind Code: **FRESH** Kind: Water Found Depth: 100.0 Water Found Depth UOM: ft

40 1 of 1 E/226.0 84.9 / -1.50 lot 4 con A **WWIS** ON

Well ID: 1533319

Construction Date: Primary Water Use: Domestic Sec. Water Use: Final Well Status: Water Supply

Water Type:

Casing Material:

Audit No: 246350

Tag:

Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Construction Method:

Overburden/Bedrock:

Pump Rate: Static Water Level: Flowing (Y/N):

Flow Rate: Clear/Cloudy: Data Entry Status:

Data Src:

11/18/2002 Date Received: **TRUE** Selected Flag:

Abandonment Rec:

Contractor: 2558 Form Version:

Owner: Street Name:

County: **OTTAWA**

Municipality: NORTH GOWER TOWNSHIP

Site Info:

004 Lot: Concession: CON Concession Name:

Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1533319.pdf

Additional Detail(s) (Map)

Well Completed Date: 2002/11/01 2002 Year Completed: Depth (m): 24.384

45.2200571418035 Latitude: Longitude: -75.6734387080022

Location Method:

Order No: 22030300700

Path: 153\1533319.pdf

Bore Hole Information

Bore Hole ID: 10530066 Elevation:
DP2BR: Elevrc:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 447126.30

 Code OB Desc:
 North83:
 5007617.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 01-Nov-2002 00:00:00 **UTMRC Desc:** margin of error : 100 m - 300 m

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

 Formation ID:
 932880782

 Layer:
 2

 Color:
 8

 General Color:
 BLACK

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 19.0 Formation End Depth: 80.0 Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932880781

Layer:

Color: General Color:

Mat1:05Most Common Material:CLAYMat2:11

Mat2 Desc: GRAVEL

Mat3: Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 19.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933230382

 Layer:
 1

 Plug From:
 0.0

Plug To: 27.0 Plug Depth UOM: ft

Method of Construction & Well

Method Construction ID: 961533319 **Method Construction Code:**

Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

Pipe ID: 11078636 Casing No: Comment:

Alt Name:

Construction Record - Casing

930096669 Casing ID:

Layer: Material: **STEEL** Open Hole or Material:

Depth From:

Depth To:

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

Results of Well Yield Testing

991533319 Pump Test ID:

10.0

Pump Set At: Static Level:

Final Level After Pumping: Recommended Pump Depth: 60.0 Pumping Rate: 15.0 Flowing Rate:

Recommended Pump Rate: 7.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 2

CLOUDY Water State After Test: Pumping Test Method: **Pumping Duration HR:** 1 Pumping Duration MIN: 0 Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934119665 Test Type: Draw Down Test Duration: 15 Test Level: 10.0

Test Level UOM: ft

Draw Down & Recovery

934664216 Pump Test Detail ID: Test Type: Draw Down Test Duration: 45 Test Level: 10.0

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934912341 Draw Down Test Type: Test Duration: 10.0 Test Level: Test Level UOM: ft

ft

Draw Down & Recovery

Water Found Depth UOM:

Pump Test Detail ID: 934394517 Test Type: Draw Down Test Duration: 30 Test Level: 10.0 Test Level UOM: ft

Water Details

Water ID: 934022738 Layer: 1 Kind Code: 5 Not stated Kind: Water Found Depth: 74.0

41 1 of 1 NNE/226.9 89.5 / 3.14 **WWIS** ON

1510363 Well ID: Data Entry Status:

ft

Construction Date: Data Src:

Date Received: 12/29/1969 Primary Water Use: Domestic TRUE Sec. Water Use: Selected Flag:

Final Well Status: Water Supply Abandonment Rec: Contractor: 1503

Water Type: Casing Material: Form Version: Audit No: Owner:

Street Name: Tag: **Construction Method:** County:

OTTAWA OSGOODE TOWNSHIP Municipality: Elevation (m):

Elevation Reliability: Site Info: Depth to Bedrock: Lot:

Well Depth: Concession: Overburden/Bedrock: Concession Name: LI

Easting NAD83: Pump Rate: Static Water Level: Northing NAD83: Zone:

Flowing (Y/N): UTM Reliability: Flow Rate: Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510363.pdf PDF URL (Map):

Order No: 22030300700

Additional Detail(s) (Map)

1969/09/23 Well Completed Date: Year Completed: 1969 Depth (m): 25.908

45.2222503030717 Latitude: Longitude: -75.6755089270735 Path: 151\1510363.pdf

Bore Hole Information

Bore Hole ID: 10032391

DP2BR: Spatial Status: Code OB: Code OB Desc:

Open Hole: Cluster Kind:

Cluster Kind:

Date Completed: 23-Sep-1969 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

 Formation ID:
 931014659

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 14

 Most Common Material:
 HARDPAN

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931014660

 Layer:
 2

 Color:
 8

 General Color:
 BLACK

 Mat1:
 15

 Most Common Material:
 LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 17.0
Formation End Depth: 85.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961510363Method Construction Code:1Method Construction:Cable Tool

Other Method Construction:

Pipe Information

Elevation: Elevro:

Zone: 18

East83: 446965.80 **North83:** 5007862.00

Org CS: UTMRC:

UTMRC Desc: margin of error: 100 m - 300 m

Order No: 22030300700

Location Method: p5

10580961 Pipe ID:

Casing No: Comment: Alt Name:

Construction Record - Casing

930057374 Casing ID:

Layer: 2 Material:

OPEN HOLE Open Hole or Material:

Depth From:

Depth To: 85.0

Casing Diameter:

Casing Diameter UOM: inch Casing Depth UOM:

Construction Record - Casing

Casing ID: 930057373

Layer: 1 Material: Open Hole or Material: STEEL

Depth From:

Depth To: 18.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

991510363 Pump Test ID:

Pump Set At:

Static Level: 8.0 Final Level After Pumping: 25.0 Recommended Pump Depth: 60.0 Pumping Rate: 10.0 Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: ft GPM Rate UOM: Water State After Test Code: Water State After Test: **CLOUDY** Pumping Test Method: 2 Pumping Duration HR: 1 **Pumping Duration MIN:** 0 Flowing: No

Water Details

933465339 Water ID: Layer: 1 Kind Code: **FRESH** Kind:

Water Found Depth: 83.0 Water Found Depth UOM:

1 of 1

89.5 / 3.15

5624 South River Drive

MANOTICK ON

WWIS

Order No: 22030300700

Well ID: 7324272 Data Entry Status:

Construction Date: Data Src:

NNE/233.3

42

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

Primary Water Use: Domestic

12/11/2018 Date Received: Sec. Water Use: Selected Flag: TRUE

Final Well Status: Water Supply Abandonment Rec: Water Type: Contractor: 1119

Casing Material: Form Version: 7 Audit No: 7276769 Owner:

Tag: A252942 Street Name: 5624 South River Drive **OTTAWA Construction Method:** County: Elevation (m): Municipality: OSGOODE TOWNSHIP

Elevation Reliability: Site Info: S/L 10 Depth to Bedrock: Lot:

Well Depth: Concession: Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83: Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

UTM Reliability: Flow Rate:

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/732\7324272.pdf

Additional Detail(s) (Map)

2018/10/03 Well Completed Date: Year Completed: 2018 41.148 Depth (m):

Latitude: 45.2223664263818 Longitude: -75.6756606019739 Path: 732\7324272.pdf

Bore Hole Information

Bore Hole ID: 1007323351 Elevation: DP2BR: Elevro:

Spatial Status: 18 Zone: 446954.00 Code OB: East83: 5007875.00 Code OB Desc: North83: Open Hole: Org CS: UTM83 Cluster Kind: **UTMRC:**

margin of error: 30 m - 100 m Date Completed: 03-Oct-2018 00:00:00 UTMRC Desc:

Order No: 22030300700

Remarks: Location Method: wwr

Elevrc Desc: Location Source Date:

Improvement Location Source: Improvement Location Method:

Overburden and Bedrock

Source Revision Comment: Supplier Comment:

Materials Interval

1007742522 Formation ID:

Layer: 3 Color: 2 General Color: **GREY** Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 50.0 120.0 Formation End Depth:

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1007742521

Layer: 2 2 Color: General Color: **GREY** Mat1: 15

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

21.0 Formation Top Depth: Formation End Depth: 50.0 ft

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1007742523

Layer: Color: General Color: **GREY** Mat1: 18

SANDSTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 120.0 Formation End Depth: 128.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1007742520

Layer: Color: 0

General Color:

05 Mat1: CLAY Most Common Material: Mat2: Mat2 Desc: **GRAVEL** Mat3: SANDY Mat3 Desc: Formation Top Depth: 0.0 Formation End Depth: 21.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

1007742524 Formation ID:

Layer: 5 Color: 2 General Color: **GREY** Mat1:

SANDSTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 128.0 Formation End Depth: 135.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1007745929

 Layer:
 1

 Plug From:
 27.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1007748811

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 1007740448

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1007749945

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 -2.0

 Depth To:
 27.0

 Casing Diameter:
 6.25

 Casing Diameter UOM:
 Inch

 Casing Depth UOM:
 ft

Construction Record - Casing

Casing ID: 1007749946

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From: 27.0 **Depth To:** 135.0

Casing Diameter: 5.938000202178955

Casing Diameter UOM: Inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 1007752382

Pump Set At: 80.0

Static Level: 13.399999618530273

Final Level After Pumping: 15.199999809265137

Recommended Pump Depth: 100.0 Pumping Rate: 20.0 Flowing Rate:

Recommended Pump Rate: 20.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 3
Water State After Test: OTHER
Pumping Test Method: 0

Pumping Duration HR: 1
Pumping Duration MIN:

Flowing: No

Draw Down & Recovery

Pump Test Detail ID:1007759450Test Type:Draw Down

Test Duration: 2

Test Level: 14.800000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007759456Test Type:Draw Down

Test Duration: 20

Test Level: 15.100000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007759469
Test Type: Recovery

Test Duration: 20

Test Level: 13.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007759458Test Type:Draw Down

Test Duration: 30

Test Level: 15.100000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007759461Test Type:Draw Down

Test Duration: 60

Test Level: 15.199999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007759462Test Type:RecoveryTest Duration:1Test Level:13.5Test Level UOM:ft

Draw Down & Recovery

Pump Test Detail ID: 1007759464
Test Type: Recovery

Test Duration: 3

Test Level: 13.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007759451Test Type:Draw Down

Test Duration: 3

Test Level: 14.899999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007759453Test Type:Draw Down

Test Duration: 5

Test Level: 15.100000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007759467
Test Type: Recovery

Test Duration: 10

Test Level: 13.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007759474Test Type:RecoveryTest Duration:60

Test Level: 13.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007759454Test Type:Draw Down

Test Duration: 10

Test Level: 15.100000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007759449Test Type:Draw Down

Test Duration: 1

Test Level: 14.699999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007759455Test Type:Draw Down

Test Duration: 15

Test Level: 15.100000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007759460
Test Type: Draw Down

Test Duration: 50

Test Level: 15.199999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007759472Test Type:RecoveryTest Duration:40

Test Level: 13.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007759465Test Type:Recovery

Test Duration:

Test Level: 13.399999618530273

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1007759452

 Test Type:
 Draw Down

 Test Duration:
 4

 Test Level:
 15.0

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1007759457Test Type:Draw Down

Test Duration: 25

Test Level: 15.100000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007759466
Test Type: Recovery

Test Duration: 5

Test Level: 13.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007759471Test Type:Recovery

Test Duration: 30

Test Level: 13.399999618530273

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1007759459Test Type:Draw Down

Test Duration: 40

Test Level: 15.100000381469727

ft

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007759463
Test Type: Recovery

Test Duration: 2

Test Level: 13.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007759468Test Type:Recovery

Test Duration: 15

Test Level: 13.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007759470
Test Type: Recovery

Test Duration: 25

Test Level: 13.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007759473Test Type:Recovery

Test Duration: 50

Test Level: 13.399999618530273

Test Level UOM: ft

Water Details

Water ID: 1007751342

 Layer:
 2

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 128.0

Water Found Depth UOM: ft

Water Details

Water ID: 1007751341

Layer: 1
Kind Code: 8

Kind: Untested
Water Found Depth: 50.0
Water Found Depth UOM: ft

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

Hole Diameter

Hole ID: 1007747303 Diameter: 5.938000202178955

Depth From: 27.0 135.0 Depth To: Hole Depth UOM: ft Inch Hole Diameter UOM:

Hole Diameter

Hole ID: 1007747302 Diameter: 9.75 Depth From: 0.0 Depth To: 27.0 Hole Depth UOM: ft Hole Diameter UOM: Inch

NNE/237.3 43 1 of 1 89.5 / 3.15 5624 south river drive **WWIS**

Well ID: 7324268

Construction Date: Primary Water Use: Sec. Water Use: Final Well Status:

Abandoned-Other

Water Type: Casing Material:

Audit No: Z276782

Tag:

Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock:

Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2018/10/11 Year Completed: 2018

Depth (m):

Latitude: 45.2223936552676 Longitude: -75.6756227127056

Path:

Bore Hole Information

1007323339 Bore Hole ID:

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole:

Elevation: Elevrc:

> Zone: 18 East83: 446957.00 North83: 5007878.00 Org CS: UTM83 4

> > Order No: 22030300700

UTMRC:

MANOTICK ON

Data Entry Status: Data Src:

Date Received: 12/11/2018 Selected Flag: TRUE Abandonment Rec: Yes Contractor: 1119 Form Version: 7

Owner:

Street Name: 5624 south river drive

OTTAWA County:

Municipality: OSGOODE TOWNSHIP

Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Cluster Kind:

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

Location Method:

wwr

UTMRC Desc: 11-Oct-2018 00:00:00 margin of error: 30 m - 100 m Date Completed:

Remarks: Elevrc Desc:

Location Source Date:

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

Annular Space/Abandonment

Sealing Record

1007727483 Plug ID:

Layer:

Plug From:

61.0 Plug To: Plug Depth UOM: m

Pipe Information

Pipe ID: 1007727340

Casing No:

Comment: Alt Name:

> 44 1 of 1 ESE/239.8 92.6 / 6.19 lot 4 **WWIS** ON

Well ID: 1506508

Construction Date: Primary Water Use: Livestock Sec. Water Use: Domestic

Final Well Status: Water Supply

Water Type: Casing Material: Audit No:

Tag: **Construction Method:**

Elevation (m):

Elevation Reliability: Depth to Bedrock:

Well Depth:

Overburden/Bedrock:

Pump Rate:

Static Water Level: Flowing (Y/N):

Flow Rate: Clear/Cloudy:

Data Entry Status:

Data Src:

Date Received: 11/30/1965 Selected Flag: **TRUE**

Abandonment Rec:

Contractor: 3601 Form Version: Owner:

Street Name:

County: **OTTAWA**

NORTH GOWER TOWNSHIP Municipality:

Order No: 22030300700

Site Info:

Lot: 004

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\1506508.pdf

Additional Detail(s) (Map)

1965/10/12 Well Completed Date: Year Completed: 1965 Depth (m): 32.9184

45.2187032041427 Latitude: Longitude: -75.6740659151704 150\1506508.pdf Path:

Bore Hole Information

Elevation:

18

447075.80

5007467.00

margin of error: 100 m - 300 m

Order No: 22030300700

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

Bore Hole ID: 10028544

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole:

Cluster Kind:

Date Completed: 12-Oct-1965 00:00:00 **Remarks:**

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931004698

Layer: 1

Color:

General Color:

Mat1: 05
Most Common Material: CL

Most Common Material:CLAYMat2:02Mat2 Desc:TOPSOIL

Mat3:

Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004699

Layer:

Color:

General Color:

Mat1: 11

Most Common Material: GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 20.0 Formation End Depth: 30.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004700

Layer: 3

Color:

General Color:

Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc:

Mat3: Mat3 Desc:

Formation Top Depth: 30.0 Formation End Depth: 108.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961506508

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10577114 Casing No:

Comment: Alt Name:

Construction Record - Casing

930049827 Casing ID: Layer: 1 Material: Open Hole or Material: STEEL Depth From: Depth To: 30.0 Casing Diameter: 5.0 Casing Diameter UOM: inch Casing Depth UOM:

Construction Record - Casing

930049828 Casing ID: 2

Layer: Material:

Open Hole or Material: **OPEN HOLE**

Depth From:

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

Results of Well Yield Testing

991506508 Pump Test ID:

Pump Set At:

Static Level: 38.0 Final Level After Pumping: 40.0 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:

CLEAR Water State After Test: Pumping Test Method: **Pumping Duration HR:** 1 **Pumping Duration MIN:** 0 Flowing: No

Number of Direction/ Elev/Diff Site DΒ Map Key

Records

Distance (m) (m)

Water Details

Water ID: 933460659

Layer: Kind Code:

FRESH Kind: Water Found Depth: 100.0 Water Found Depth UOM: ft

45 1 of 1 ESE/248.4 92.5 / 6.14 lot 4 **WWIS** ON

Well ID: 1506507 Data Entry Status:

Construction Date: Data Src: 8/27/1963 Primary Water Use: Domestic Date Received:

Sec. Water Use: Selected Flag: TRUE

Final Well Status: Water Supply Abandonment Rec: Water Type: Contractor: 3113 Casing Material: Form Version: 1

Audit No: Owner: Street Name: Tag:

Construction Method: County: **OTTAWA** NORTH GOWER TOWNSHIP Elevation (m): Municipality:

Elevation Reliability: Site Info: Depth to Bedrock: Lot: 004

Well Depth: Concession: BF

Overburden/Bedrock: Concession Name: Easting NAD83: Pump Rate: Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506507.pdf

Additional Detail(s) (Map)

1963/03/05 Well Completed Date: Year Completed: 1963 Depth (m): 21.9456

45.2187947167644 Latitude: Longitude: -75.6738122671879 Path: 150\1506507.pdf

Bore Hole Information

10028543 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: 18 Zone: Code OB: East83: 447095.80 Code OB Desc: North83: 5007477.00

Open Hole: Org CS: Cluster Kind: **UTMRC:**

05-Mar-1963 00:00:00 margin of error: 100 m - 300 m Date Completed: UTMRC Desc:

Order No: 22030300700

Remarks: Location Method:

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931004695

Layer:

Color:

General Color:

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 02

Mat2 Desc: TOPSOIL Mat3:

Mat3 Desc:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931004696

 Layer:
 2

 Color:
 3

 General Color:
 BLUE

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 15.0 Formation End Depth: 45.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004697

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 45.0 Formation End Depth: 72.0

Formation End Depth. 72.0

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961506507 Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10577113

Casing No:

Alt Name:

Construction Record - Casing

Casing ID: 930049825

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:45.0Casing Diameter:4.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930049826

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 72.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506507

30.0

Pump Set At: Static Level:

Final Level After Pumping: 50.0 Recommended Pump Depth: 65.0 Pumping Rate: 5.0 Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: **Pumping Duration HR:** 1 **Pumping Duration MIN:** 0 Flowing: No

Water Details

Water ID: 933460658

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 72.0

 Water Found Depth UOM:
 ft

Unplottable Summary

Total: 43 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Village Square Mall	Regional Road No. 13	Ottawa ON	
CA	City of Ottawa	Rideau Valley Drive	Ottawa ON	
CA	Minto Communities Inc.		Ottawa ON	
CA	PERCY STINSON C/O ENVIROPLAN LIMITED	POTTER DR. STINSON SUBD.	RIDEAU TWP. ON	
CA	GORDON SCHARF & IVY SCHARF ENVIROPLAN LT	POTTER DR.	RIDEAU TWP. ON	
CA	KIZELL ENTERPRISES LTD. MANOTICK ESTATES	N & S SIDE POTTER DR. PH. III	RIDEAU TWP. ON	
CA	LEIMERK FARMS LTD. C/O GINSBERG, GLUZMAN	POTTER DR. MANOTICK EST. PH.4	RIDEAU TWP. 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	
EBR	Minto Communities Inc.	Ottawa, Ontario CITY OF OTTAWA	ON	
EBR	Minto Communities		ON	
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.	Part of Lots 4 & 5, Concession A	Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6

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ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
EXP		RIDEAU VALLEY DR RIDEAU TWP N5V 3K5	ON	
EXP		RIDEAU VALLEY DR RIDEAU TWP N5V 3K5	ON	
EXP		RIDEAU VALLEY DR RIDEAU TWP N5V 3K5	ON	
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	595831 ONT INC	RIDEAU VALLEY DR	RIDEAU TWP ON	
PTTW	Minto Communities Inc.	Lots 4 and 5, Concession A, NORTH GOWER City of Ottawa CITY OF OTTAWA	ON	
PTTW	Minto Communities Inc.		ON	
PTTW	Minto Communities Inc.		ON	

SPL	Marathon Drilling <unofficial></unofficial>	Rideau Valley Drive at Mud Creek	Ottawa ON
SPL	Taggart Construction Limited	Rideau Valley Drive	Ottawa ON
SPL	CONSTRUCTION COMPANY	REGION RD #13, BAXTER CONSERVATION AREA TRANSPORT TRUCK (CARGO)	RIDEAU TOWNSHIP ON

Unplottable Report

Site: Village Square Mall

Regional Road No. 13 Ottawa ON

Database: CA

Certificate #: 7752-4VBMMJ

Application Year: 4/2/01 Issue Date:

Municipal & Private sewage Approval Type:

Status: Approved

New Certificate of Approval Application Type:

Client Name: The Village Square Mall (Barrhaven) Inc.

Client Address: 17 Fitzgerald Road

Nepean Client City: K2H 9G1

Client Postal Code:

Project Description: Storm and sanitary sewers to be constructed on Greenbank Road Contaminants:

City of Ottawa Site:

Emission Control:

Rideau Valley Drive Ottawa ON

Database:

8286-7L6SKV Certificate #: Application Year: 2009 1/7/2009 Issue Date:

Municipal and Private Sewage Works Approval Type:

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code:

Project Description: Contaminants: **Emission Control:**

Site: Minto Communities Inc. Database: Ottawa ON

Certificate #: 3058-7JZKTF Application Year: 2008 Issue Date: 10/7/2008

Approval Type: Municipal and Private Sewage Works

Approved Status: Application Type:

Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: **Emission Control:**

Site: PERCY STINSON C/O ENVIROPLAN LIMITED

POTTER DR. STINSON SUBD. RIDEAU TWP. ON

Database:

Certificate #: 3-0463-88Application Year:88Issue Date:6/6/1988

Approval Type: Municipal sewage Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site: GORDON SCHARF & IVY SCHARF ENVIROPLAN LT

POTTER DR. RIDEAU TWP. ON

Certificate #: 3-0453-88Application Year: 88
Issue Date: 6/6/1988

Approval Type: Municipal sewage Status: Approved

Application Type: Client Name: Client Address: Client City:

Client Postal Code: Project Description: Contaminants: Emission Control:

<u>Site:</u> KIZELL ENTERPRISES LTD. MANOTICK ESTATES N & S SIDE POTTER DR. PH. III RIDEAU TWP. ON

Certificate #: 3-1593-86-Application Year: 86

Issue Date: 10/22/1986
Approval Type: Municipal sewage
Status: Approved

Status: Application Type: Client Name: Client Address: Client City:

Client Postal Code: Project Description: Contaminants: Emission Control:

<u>Site:</u> LEIMERK FARMS LTD. C/O GINSBERG, GLUZMAN POTTER DR. MANOTICK EST. PH.4 RIDEAU TWP. ON

Certificate #: 3-1552-87Application Year: 87
Issue Date: 9/15/1987
Approval Type: Municipal sewage
Status: Approved

Application Type: Client Name: Client Address: Client City:

Client Postal Code: Project Description: Contaminants: Emission Control: Database:

Database:

Database: CA

Site: 595831 ONT INC

RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON CA ON

Database:

595831 ONT INC Site:

RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON CA

Database: DTNK

Site: Minto Communities Inc.

Ottawa, Ontario CITY OF OTTAWA ON

Database: **EBR**

Order No: 22030300700

EBR Registry No: 013-0315 Decision Posted: Ministry Ref No: MNRF INST 30/17 **Exception Posted:** Section:

Notice Type: Instrument Decision Notice Stage:

Notice Date: September 28, 2017 Act 2: April 10, 2017 Proposal Date: Site Location Map:

Year: 2017

(ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species Instrument Type:

Off Instrument Name:

Posted By: Company Name: Minto Communities Inc.

Site Address: **Location Other:** Proponent Name:

180 Kent Street, Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street, Suite Proponent Address:

Exception Posted:

Act 1:

200, Ottawa Ontario, Canada K1P 0B6

Comment Period:

URL:

Site Location Details:

Ottawa. Ontario CITY OF OTTAWA

Site: **Minto Communities** Database: **EBR** ON

019-2808 February 26, 2021 EBR Registry No: Decision Posted:

Ministry Ref No: KV-C-001-19

Notice Type: Instrument Section: Section 17 (2) (c)

Endangered Species Act , R.S.O. 2007 Notice Stage: Decision Act 1:

Endangered Species Act, 2007 Notice Date: Act 2: Site Location Map:

Proposal Date: December 4, 2020

2020 Year:

Instrument Type: Permit for activities to achieve an overall benefit to a species

Permit for activities with conditions to achieve overall benefit to the species (ESA s.17(2) (c)) Off Instrument Name:

Posted By: Ministry of the Environment, Conservation and Parks

Company Name: Site Address: Location Other:

Minto Communities Proponent Name: Proponent Address: Minto Communities 180 Kent Street Unit 200

Ottawa, ON K1P 0B6 Canada

Comment Period: December 4, 2020 - January 3, 2021 (30 days) Closed

URL: https://ero.ontario.ca/notice/019-2808

Site Location Details:

Part of Lot 12, Concession 4, Township of March, Ottawa

Site: Minto Communities Inc.
Ottawa ON K1P 0B6
Database:
ECA

Approval No: 3053-8YJNWU **MOE District:** Approval Date: 2012-10-01 City: Status: Approved Longitude: Record Type: ECA Latitude: Link Source: **IDS** Geometry X: SWP Area Name: Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1397-8XNJGH-14.pdf

PDF Site Location:

Site: Minto Communities Inc.
Ottawa ON K1P 0B6
Database:
ECA

Approval No: 1554-8Y2HZ6 MOE District: Approval Date: 2012-09-14 City: Revoked and/or Replaced Longitude: Status: Record Type: Latitude: **ECA IDS** Geometry X: Link Source: Geometry Y: SWP Area Name:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1100-8WTMSY-14.pdf

PDF Site Location:

Site: Minto Communities Inc.

Part of Lots 4 & 5, Concession A Ottawa ON K1P 0B6

Database:
ECA

Approval No: 8043-8VNJCB **MOE District:** Approval Date: 2012-07-10 City: Revoked and/or Replaced Status: Longitude: Latitude: Record Type: **ECA** IDS Link Source: Geometry X: SWP Area Name: Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Address: Part of Lots 4 & 5, Concession A

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3777-8VLN6N-14.pdf

PDF Site Location:

<u>Site:</u> Minto Communities Inc.
Ottawa ON K1P 0B6
Database:
ECA

Order No: 22030300700

3002-8PBSB4 Approval No: **MOE District:** Approval Date: 2012-01-31 City: Revoked and/or Replaced Longitude: Status: Record Type: **ECA** Latitude: Link Source: IDS Geometry X: SWP Area Name: Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6465-8NETCD-14.pdf

PDF Site Location:

Site: Minto Communities Inc.
Ottawa ON K1P 0B6
Database:
ECA

0195-95LSVA Approval No: **MOE District:** 2013-03-22 Approval Date: City: Approved Status: Longitude: **ECA** Record Type: Latitude: Link Source: **IDS** Geometry X: SWP Area Name: Geometry Y:

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1964-8XNJA4-14.pdf

PDF Site Location:

Site: Minto Communities Inc.
Ottawa ON K1P 0B6
Database:
ECA

Approval No: 7202-97BLB4 **MOE District:** Approval Date: 2013-05-23 City: Revoked and/or Replaced Longitude: Status: Record Type: ECA Latitude: **IDS** Link Source: Geometry X: SWP Area Name: Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4553-95ZKWJ-14.pdf

PDF Site Location:

Site: Minto Communities Inc.

Ottawa ON K1P 0B6

Database:
ECA

 Approval No:
 7971-9EAST8
 MOE District:

 Approval Date:
 2014-01-10
 City:

Approval Date: 2014-01-10 City:

Status: Approved Longitude:

Record Type: ECA Latitude:

Link Source: IDS Geometry X:

SWP Area Name: Geometry Y:

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7322-9E4LGN-14.pdf

PDF Site Location:

Site: Minto Communities Inc. Database:

Ottawa ON K1P 0B6

erisinfo.com | Environmental Risk Information Services Order No: 22030300700

ECA

Approval No: 6432-CA6MRC MOE District: Ottawa

Approval Date: January 18, 2022 City:

Status: Approved Longitude:
Record Type: ECA Latitude:

 Link Source:
 IDS
 Geometry X:
 -8402261.5817000009

 SWP Area Name:
 South Nation
 Geometry Y:
 5691103.7277999958

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2726-C9PS46-14.pdf

PDF Site Location: Avalon South Stormwater Management Facility Expansion

Neighbourhood 4 Lot 4, Concession 10 City of Ottawa, Ontario

Site: Minto Communities Inc.
Ottawa ON K1P 0B6
Database:
ECA

7661-ABCKQL Approval No: **MOE District:** 2016-06-30 Approval Date: City: Approved Longitude: Status: Record Type: **ECA** Latitude: IDS Link Source: Geometry X: SWP Area Name: Geometry Y:

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5664-AB4KGV-14.pdf

PDF Site Location:

Site: Minto Communities Inc.
Ottawa ON K1P 0B6
Database:
ECA

Approval No: 0606-AHXJCH **MOE District:** 2017-02-02 Approval Date: City: Approved Status: Longitude: Record Type: **ECA** Latitude: Link Source: IDS Geometry X: SWP Area Name: Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Full Address:

Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4552-AHSJ74-14.pdf

PDF Site Location:

Site: Minto Communities Inc.
Ottawa ON K1P 0B6
Database:
ECA

Order No: 22030300700

2268-9WYR3F Approval No: **MOE District:** 2015-06-08 Approval Date: City: Status: Approved Lonaitude: Record Type: **ECA** Latitude: Link Source: IDS Geometry X: SWP Area Name: Geometry Y:

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Address:

Full Address: Full PDF Link: PDF Site Location:

https://www.accessenvironment.ene.gov.on.ca/instruments/3873-9WWLDY-14.pdf

Site: Minto Communities Inc.

Ottawa ON K1P 0B6

Database:

8813-9WYQ2J **MOE District:** Approval No: Approval Date: 2015-06-08 City: Approved Status: Longitude: Record Type: **ECA** Latitude: Link Source: **IDS** Geometry X: SWP Area Name: Geometry Y:

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Address: Full Address: Full PDF Link:

https://www.accessenvironment.ene.gov.on.ca/instruments/4625-9WXRTA-14.pdf

PDF Site Location:

Site: Minto Communities Inc.

Ottawa ON K1P 0B6

Minto Communities Inc.

Ottawa ON K1P 0B6

Minto Communities Inc.

Ottawa ON K1P 0B6

Database: ECA

MOE District: 7598-94TRX3 Approval No: Approval Date: 2013-02-26 City: Status: Approved Longitude: Record Type: **ECA** Latitude: Link Source: IDS Geometry X: SWP Area Name: Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Address:

Site:

Full Address: Full PDF Link:

DF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2553-8VDQUF-14.pdf

PDF Site Location:

Database: ECA

Approval No:1720-AKJGKQMOE District:Approval Date:2017-03-24City:Status:ApprovedLongitude:

Record Type: ECA Latitude:
Link Source: IDS Geometry X:
SWP Area Name: Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Address: Full Address: Full PDF Link:

https://www.accessenvironment.ene.gov.on.ca/instruments/1769-AKEQQZ-14.pdf

PDF Site Location:

Database: ECA

Order No: 22030300700

 Approval No:
 3128-AQGJ6T
 MOE District:

 Approval Date:
 2017-08-23
 City:

 Status:
 Approved
 Longitude:

 Record Type:
 ECA
 Latitude:

Site:

Link Source: IDS Geometry X: SWP Area Name: Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4569-AQCRKJ-14.pdf

PDF Site Location:

Site: Minto Communities Inc.
Ottawa ON K1P 0B6
Database:
ECA

Approval No: 8605-AYUHJG **MOE District:** Approval Date: 2018-05-30 City: Status: Approved Longitude: Record Type: **ECA** Latitude: IDS Link Source: Geometry X: SWP Area Name: Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7723-AYKNXD-14.pdf

PDF Site Location:

Site: Minto Communities Inc.
Ottawa ON K1P 0B6
Database:
ECA

Approval No: 6142-BEJHCE **MOE District:** Approval Date: 2019-08-01 City: Approved Longitude: Status: Record Type: **ECA** Latitude: Link Source: IDS Geometry X: SWP Area Name: Geometry Y:

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/0892-BDSKVQ-14.pdf

PDF Site Location:

Site: Minto Communities Inc. Database: CA
Ottawa ON K1P 0B6

Approval No: 8270-A3ZLU2 **MOE District:** Approval Date: 2015-11-10 City: Approved Status: Longitude: Record Type: **ECA** Latitude: **IDS** Link Source: Geometry X: SWP Area Name: Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: Minto Communities Inc.

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8185-A3PRB5-14.pdf

PDF Site Location:

Site: Database: EXP

RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON

Instance No: 9724864 Model: Status: Abandoned Quantity: Instance ID: Unit of Measure: Instance Type: Fuel Type2:

Instance Creation Dt: Fuel Type3: Instance Install Dt:

Piping Steel: Item: FS GASOLINE STATION - FULL SERVE Piping Galvanized: Item Description: Tank Single Wall St:

FS Liquid Fuel Tank Piping Underground: 0 Facility Type: Overfill Prot Type: Tank Underground: 2 Creation Date: Panam Related:

Expired Date: Manufacturer: Description: Serial No: Ulc Standard:

Facility Location: RIDEAU VALLEY DR RIDEAU TWP N5V 3K5

FS Expired Facilities Source:

Database: Site: **EXP**

Panam Venue Nm:

0

0

2

2

2

Order No: 22030300700

RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON

9724864 Instance No: Model: Status: Abandoned Quantity: Unit of Measure: Instance ID: Instance Type: Fuel Type2: Instance Creation Dt: Fuel Type3: Instance Install Dt: Piping Steel:

FS GASOLINE STATION - FULL SERVE Item: Piping Galvanized: 0

Tank Single Wall St: 0 Item Description: Facility Type: FS Piping Piping Underground: 2 Overfill Prot Type: Tank Underground: 0

Creation Date: Panam Related: Expired Date: Panam Venue Nm: Manufacturer:

Description: Serial No: Ulc Standard:

Facility Location: RIDEAU VALLEY DR RIDEAU TWP N5V 3K5

Source: FS Expired Facilities

RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON

Database: Site:

Instance No: 9724864 Model:

Status: Abandoned Quantity: Instance ID: Unit of Measure: Fuel Type2: Instance Type: Instance Creation Dt: Fuel Type3: Instance Install Dt: Piping Steel:

Item: FS GASOLINE STATION - FULL SERVE Piping Galvanized: 0 2

Tank Single Wall St: Item Description: Facility Type: Piping Underground: 2 Overfill Prot Type: Tank Underground: 2 Creation Date: Panam Related:

Expired Date: Panam Venue Nm:

Manufacturer: Description: Serial No: Ulc Standard:

Facility Location: RIDEAU VALLEY DR RIDEAU TWP N5V 3K5

FS All Facility Source:

Site: 595831 ONT INC Database: **FST**

RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON CA ON

Instance No: 10940468 Manufacturer: Status: Serial No: Ulc Standard: Cont Name: Instance Type: Quantity:

FS LIQUID FUEL TANK Unit of Measure: Item: Item Description: FS Liquid Fuel Tank Fuel Type:

Gasoline Fuel Type2: Tank Type: Single Wall UST NULL Install Date: 4/30/1992 NULL Fuel Type3:

Install Year: 1984 Piping Steel: Years in Service: Piping Galvanized:

Model: **NULL** Tanks Single Wall St: Piping Underground: Description: Capacity: 22700 Num Underground: Tank Material: Steel Panam Related:

Panam Venue: Corrosion Protect:

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

Fuel Storage Tank Details

595831 ONT INC **Owner Account Name:**

Liquid Fuel Tank Details

Overfill Protection:

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

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

Order No: 22030300700

Instance No: 10940446 Manufacturer: Serial No: Status: Cont Name: Ulc Standard: Quantity:

Instance Type: FS LIQUID FUEL TANK Unit of Measure: Item:

Gasoline Item Description: FS Liquid Fuel Tank Fuel Type: Tank Type: Single Wall UST Fuel Type2: NULL Install Date: 4/30/1992 Fuel Type3: NULL

Install Year: 1984 Piping Steel: Piping Galvanized: Years in Service: Model: **NULL** Tanks Single Wall St:

Description: Piping Underground: Capacity: 35000 Num Underground: Tank Material: Steel Panam Related: **Corrosion Protect:** Panam Venue:

Overfill Protect:

Facility Type: FS Liquid Fuel Tank

Parent Facility Type:

Facility Location:

RIDEAU VALLEY DR RIDEAU TWP N5V 3K5 ON CA Device Installed Location:

Fuel Storage Tank Details

595831 ONT INC **Owner Account Name:**

Liquid Fuel Tank Details

Overfill Protection:

595831 ONT INC **Owner Account Name:** 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

2010

Approval Years: PO Box No: Country:

Phone No Admin: Contam. Facility: MHSW Facility:

Choice of Contact:

Status:

Co Admin:

Detail(s)

Waste Class: 221

LIGHT FUELS Waste Class Desc:

Waste Class: 241

HALOGENATED SOLVENTS Waste Class Desc:

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: Contam. Facility: MHSW Facility:

Detail(s)

Waste Class: 221

Waste Class Desc: LIGHT FUELS

Waste Class:

Waste Class Desc: HALOGENATED SOLVENTS

595831 ONT INC Site:

RIDEAU VALLEY DR RIDEAU TWP ON

Database: PRT

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

Site: Minto Communities Inc.

Lots 4 and 5, Concession A, NORTH GOWER City of Ottawa CITY OF OTTAWA ON

Database:

Order No: 22030300700

EBR Registry No: 012-9487 Ministry Ref No: 2771-AH5MTR Notice Type: Instrument Decision

April 05, 2017 Notice Date: Proposal Date: January 04, 2017

2017 Year:

(OWRA s. 34) - Permit to Take Water Instrument Type:

Off Instrument Name:

Posted By:

Notice Stage:

Decision Posted: Exception Posted: Section:

Act 1: Act 2:

Site Location Map:

Company Name: Minto Communities Inc.

Site Address: Location Other: Proponent Name:

Proponent Address: 180 Kent Street, Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street, Suite

Act 1:

200, Ottawa Ontario, Canada K1P 0B6

Comment Period:

URL:

Site Location Details:

Lots 4 and 5, Concession A, NORTH GOWER City of Ottawa CITY OF OTTAWA

Site: Minto Communities Inc. Database: ON PTTW

EBR Registry No:012-9800Decision Posted:Ministry Ref No:5771-AJEJDRException Posted:Notice Type:Instrument DecisionSection:

Notice Type: Instrument Decision
Notice Stage:

Notice Date:October 06, 2017Act 2:Proposal Date:February 13, 2017Site Location Map:

Year: 2017

Instrument Type: (OWRA s. 34) - Permit to Take Water

Off Instrument Name:

Posted By:

Company Name: Minto Communities Inc.

Site Address: Location Other: Proponent Name:

Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite

200, Ottawa Ontario, Canada K1P 0B6

Comment Period:

URL:

Site Location Details:

Avalon West Community Address: Lot: 3 & Part of Lot 4, Concession: 11, Geographic Township: CUMBERLAND, Ottawa, City District Office: Ottawa GeoReference: Zone: 18, UTM Easting: 461611, UTM Northing: 5032496, UTM Location Description: S1- Lot 3 Concession 11, Site #: 5712-AJEJLA CITY OF OTTAWA

Site: Minto Communities Inc.
ON Database:
PTTW

Section:

Order No: 22030300700

Act 1:

EBR Registry No:011-4898Decision Posted:Ministry Ref No:3046-8MLKW5Exception Posted:

Notice Stage:
Notice Date:
December 17, 2014

Notice Date:December 17, 2014Act 2:Proposal Date:November 04, 2011Site Location Map:

Year: 2011

Instrument Type: (OWRA s. 34) - Permit to Take Water

Off Instrument Name:

Posted By:
Company Name: Minto Communities Inc.

Site Address: Location Other: Proponent Name:

Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite

200, Ottawa Ontario, Canada K1P 0B6

Comment Period:

URL:

Site Location Details:

Mahogany Community Development Address: Lot: Part of Lots 4 and 5, Concession: A (Broken Front), Ottawa, City District Office: Ottawa GeoReference: Map Datum: NAD83, Zone: 18, Accuracy Estimate: 1-10 metres eg. Good Quality GPS, UTM Easting: 446650, UTM Northing: 5007555, , LIO GeoReference: Zone: , UTM Easting: , UTM Northing: , Latitude: , Longitude: CITY OF OTTAWA

Site: Marathon Drilling<UNOFFICIAL>

Rideau Valley Drive at Mud Creek Ottawa ON

Database: SPL

Order No: 22030300700

Watercourse Spills

Ref No: 2485-7W4NJV Discharger Report:

Site No: Material Group: Incident Dt: Health/Env Conseq: Year: Client Type:

Incident Cause: Discharge Or Bypass To A Watercourse Sector Type: Other

Incident Event: Agency Involved: Contaminant Code: Nearest Watercourse:

MAX-GEL, VISCOSIFIER Contaminant Name: Site Address: Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site Postal Code: Contaminant UN No 1: Site Region:

Environment Impact: Possible Site Municipality:

Surface Water Pollution Nature of Impact: Site Lot: Receiving Medium: Site Conc: Receiving Env: Northing: MOE Response: Easting:

Dt MOE Arvl on Scn: Site Geo Ref Accu: 9/21/2009

MOE Reported Dt: Site Map Datum: **Dt Document Closed:** SAC Action Class:

Bore hole underneath Mud Creek<UNOFFICIAL>

Incident Reason: **Equipment Failure** Source Type:

Site Name: Site County/District:

Site Geo Ref Meth: Incident Summary: Marathon Drilling, 2 100L viscosifier to Mud Creek, May 09

Contaminant Qty: 200 L

Taggart Construction Limited Site: Database: Rideau Valley Drive Ottawa ON SPL

2534-7UPHZG Ref No: Discharger Report: Site No: Material Group: Incident Dt: Health/Env Conseq: Year.

Client Type: Incident Cause: Unknown Sector Type: Other

Agency Involved: Incident Event:

Contaminant Code: Nearest Watercourse: HYDRAULIC OIL Contaminant Name: Site Address: Site District Office: Contaminant Limit 1: Contam Limit Freq 1: Site Postal Code: Contaminant UN No 1: Site Region:

Environment Impact: Not Anticipated Site Municipality: Ottawa

Nature of Impact: Soil Contamination Site Lot: Receiving Medium: Site Conc: Receiving Env: Northing:

Planned Field Response MOE Response: Easting:

Dt MOE Arvl on Scn: Site Geo Ref Accu: MOE Reported Dt: 8/7/2009 Site Map Datum:

Dt Document Closed: SAC Action Class: Land Spills Source Type:

Incident Reason: Unknown - Reason not determined

Construction hole<UNOFFICIAL> Site Name:

Site County/District: Site Geo Ref Meth:

Taggart Construction: 1L hydraulic oil to grnd, contd Incident Summary:

Contaminant Qty: 40 L

CONSTRUCTION COMPANY Site:

REGION RD #13, BAXTER CONSERVATION AREA TRANSPORT TRUCK (CARGO) RIDEAU TOWNSHIP ON

Database:

SPL

Order No: 22030300700

20612

Ref No: 66774 Discharger Report:

Site No: Material Group: Incident Dt: 2/6/1992 Health/Env Conseq:

Year: Client Type: Sector Type: Incident Cause: OTHER CONTAINER LEAK

Incident Event: Agency Involved: Contaminant Code: Nearest Watercourse: Contaminant Name: Site Address: Contaminant Limit 1: Site District Office:

Contam Limit Freq 1: Site Postal Code: Contaminant UN No 1: Site Region: **CONFIRMED** Site Municipality: Environment Impact:

Nature of Impact: Soil Contamination Site Lot: LAND Receiving Medium: Site Conc: Receiving Env: Northing:

MOE Response: Easting:

Dt MOE Arvl on Scn: Site Geo Ref Accu: MOE Reported Dt: 2/6/1992 Site Map Datum: Dt Document Closed: SAC Action Class: WELD/SEAM FAILURE Incident Reason: Source Type:

Site Name: Site County/District:

Site Geo Ref Meth: CLOUTIER CONSTRUCTION LTD-22L DIESEL FUEL TO GRAVEL ON SIDE ROAD. Incident Summary: Contaminant Qty:

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial

AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial AGR

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

Government Publication Date: Up to Nov 2021

Abandoned Mine Information System:

Provincial

AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites:

Private

ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

AUWR

Order No: 22030300700

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-Sep 30, 2021

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 2019

Commercial Fuel Oil Tanks:

Provincial CFOT

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

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

Government Publication Date: May 31, 2021

Chemical Manufacturers and Distributors:

Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

<u>Chemical Register:</u> 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-Sep 30, 2021

Compressed Natural Gas Stations:

Private CNC

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

Government Publication Date: Dec 2012 -Nov 2021

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

Order No: 22030300700

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-Jul 2021

Certificates of Property Use:

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

Government Publication Date: 1994 - Jan 31, 2022

Drill Hole Database:

Provincial DRL

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks:

Provincial DTNK

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

Government Publication Date: May 31, 2021

Environmental Activity and Sector Registry:

Provincial EASR

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

Government Publication Date: Oct 2011- Jan 31, 2021

Environmental Registry:

Provincial EBR

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

Government Publication Date: 1994 - Jan 31, 2022

Environmental Compliance Approval:

Provincial FCA

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- Jan 31, 2021

Environmental Effects Monitoring:

Federal

EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Nov 30, 2021

Environmental Issues Inventory System:

Federal

EIIS

Order No: 22030300700

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

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report:

Provincial

EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land 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, 2020

List of Expired Fuels Safety Facilities:

Provincial

EXP

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

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

Government Publication Date: May 31, 2020

Federal Convictions: Federal **FCON**

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

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-Nov 2021

Fisheries & Oceans Fuel Tanks:

Federal

FOFT

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal

FRST

Order No: 22030300700

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

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial **FST**

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

not verified for accuracy or completeness. Government Publication Date: May 31, 2021

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-Nov 30, 2021

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

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

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents:

Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

NC

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: May 31, 2021

Landfill Inventory Management Ontario:

Provincial

LIMO

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations:

Private

MINE

Order No: 22030300700

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial MNR

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

Government Publication Date: 1846-Dec 2020

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

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

Government Publication Date: Dec 31, 2020

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells:

Federal

NEBP

Order No: 22030300700

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal NPRI

Federal

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Nov 30, 2021

Ontario Oil and Gas Wells:

Provincial OOGW

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

Government Publication Date: 1800-Jan 2021

Inventory of PCB Storage Sites:

Provincial

OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994 - Jan 31, 2022

Canadian Pulp and Paper:

Private

PAP

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

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

Parks Canada Fuel Storage Tanks:

Federal

PCFT

Order No: 22030300700

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- Jan 31, 2021

Provincial PINC Provincial PINC

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

Government Publication Date: May 31, 2021

Private and Retail Fuel Storage Tanks:

Provincial

PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

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

Government Publication Date: 1994 - Jan 31, 2022

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-1990, 1992-2019

Record of Site Condition:

Provincial RSC

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

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Jan 2022

Retail Fuel Storage Tanks:

Private RST

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

Government Publication Date: 1999-Sep 30, 2021

Scott's Manufacturing Directory:

Private

SCT

Order No: 22030300700

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

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

Government Publication Date: 1988-Sep 2020; Dec 2020-Mar 2021

Wastewater Discharger Registration Database:

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

Government Publication Date: 1990-Dec 31, 2019

Private Anderson's Storage Tanks: **TANK**

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal **TCFT**

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

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks:

Provincial VAR

Provincial

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

Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Waste Disposal Sites - MOE CA Inventory:

Provincial WDS

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

Government Publication Date: Oct 2011- Jan 31, 2021

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial **WDSH**

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 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

Order No: 22030300700

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: Sep 30, 2021

Definitions

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

<u>Detail Report</u>: 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.

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

<u>Direction</u>: 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.

<u>Map Key:</u> 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.'

<u>Unplottables:</u> 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.

Order No: 22030300700

APPENDIX V GOVERNMENT AND REGULATORY INFORMATION

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345 Carlingview Drive Toronto, Ontario M9W 6N9 Tel.: 416.734.3300 Fax: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

30 March 2022

Gregory Sabourin
Terrapex Environmental Ltd.
1 – 20 Gurdwara Road
Ottawa, ON K2E 8B3

Subject: 5646 Manotick Main Street, Ottawa, Ontario Your File No.: CO884.00

SR No.: 3183272

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested the release of information regarding the above noted subject.

A search of TSSA public records **did not** identify/reveal/locate any documents relating to the following Program(s):

<u>Program</u>	No Record
Fuels Safety	
Boiler/Pressure Vessel	
Elevating & Amusement Devices	

Requested records relating to the following Program(s) were located:

<u>Program</u>	Record	Documents Attached	
Fuels Safety		\boxtimes	
Boiler/Pressure Vessel**			
Elevating & Amusement Devices			
Other			

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

Should you have any questions, please contact Public Information at publicinformationservices@tssa.org.

Yours truly,

C. Hill

Connie Hill Public Information Services

^{**}For BPV, if it has been indicated that records have been located but are not attached, it is likely that TSSA may not be the keeper of the records you are looking for, see note below.

Limitations and Notices:

TSSA Fuels Safety:

If you have environmental concerns regarding this property, you should consider hiring an environmental consultant to conduct an environmental assessment of the property in question.

- Sites that have not been licensed since 1987 may not be in TSSA records.
- Be advised, TSSA Fuels Safety Division <u>did not register:</u>
 - private fuel underground/ aboveground storage tanks prior to January of 1990; and
 - furnace oil tanks prior to May 1,2002.
- Fuels Safety Division <u>does not register</u>
 - private waste oil tanks in apartments, office buildings, residences etc.; and
 - aboveground gas or diesel tanks.
- The Technical Standards and Safety Act and associated regulations do not require the registration of private fuel outlets, nor does it require that any documentation on these facilities be submitted to or reviewed or approved by TSSA. As a result, TSSA has limited information on these facilities. TSSA cautions that any information provided may be inaccurate, incomplete or out of date.

TSSA Elevating & Amusement Devices Program Notice:

- All orders and/or directions issued by the TSSA Inspector have a compliance date and the owner or designated contractor are required to comply within the specified time limit.
- All written declarations of compliance (where eligible) should be sent to TSSA. Once a declaration of compliance has been received, the outstanding order will be resolved.
- Each report shows the details and date of the inspection conducted by TSSA at the requested location.
- The Ontario Amusement Devices Regulation (O. Reg. 221/01) was adopted in 2001. Since that time, TSSA retains copies of technical dossiers of new amusement devices in Ontario (as per TSSA's retention policy). However, for rides that existed prior to the adoption of the Regulation, which were subject to a "grandfathering-in" clause, technical dossiers were not required to be filed with the TSSA. However, if the amusement ride remains in operation, as per ASTM requirements, the owner/licensee must possess an operations document for the device in question.

TSSA Boilers and Pressure Vessels (BPVs) Program Notice:

- Be advised, TSSA does not typically inspect BPVs. These inspections are usually performed by insurance companies.
- **Inspection reports are not always submitted to TSSA by insurance companies; therefore, while TSSA may have some evidence of a BPV at a location on file, there may be no inspection records pertaining to BPVs located at the address provided.
- As of July 1, 2018, BPVs in Ontario may not be operated unless the Director has issued a current certificate of inspection (COI) to the owner or operator. A COI will be issued to the owner or operator of the BPV by TSSA after TSSA has received a Record of Inspection (ROI) from the insurer/third-party inspector, the associated fees have been paid and the BPV has passed a periodic inspection.
- Please note that if the BPV in question is insured, the insurance company may have additional inspection records. Please contact the insurer directly should you wish to obtain further information.



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File Number D02-01-MANO 5646

July 15, 2013

Milan Mohammad 8395390 Canada Inc. 5646 Manotick Main Street Manotick, ON K4M 1B3

Dear Mr. Mohammad:

Re: 5646 Manotick Main Street, Manotick, Ottawa Receipt Number: 0008047

This will acknowledge receipt of your letter of July 12, 2013, and payment of \$168.00, requesting zoning confirmation that a propane tank exchange is permitted at the above-noted property.

We wish to advise that this property is presently subject to the provisions of the City of Ottawa Consolidated Zoning By-law 2008-250, as amended, in a zone designated as RC1[152r]. This is a Rural Commercial designation that provides for a range of highway and recreational commercial uses which serve the rural community, as defined in Sections 217 and 218 of the By-law.

A propane exchange and transfer facility in association with the existing retail use is permitted on this property, subject to the provisions of Section 66 of the Zoning By-law (Provisions for the Handling and Transfer of Propane and Natural Gas):

- 66. (1) Facilities relating to the handling and transfer of propane and natural gas, including tanks and associated compressors, pumps and other similar facilities must not be located in any required front, side, corner side or rear yard, nor closer than 30 metres to any lot line abutting a residential zone.
 - (2) Despite subsection (1), the minimum of 30 metres may be reduced to a minimum of 6 metres where it can be demonstrated that appropriate noise abatement measures have been undertaken to ensure that noise levels at the boundary of the residential zone do not create a nuisance for uses in that abutting residential zone.

It should be noted that having this use permitted under the zoning by-law does not supersede any other required approvals or regulations.

We trust this information is of assistance to you and wish to emphasize that our response was formulated based on the information you provided to us. Should circumstances change, or

City Of Otlawa Planning and Growth Management 101 Centrepointe Drive Nepean, Ontario K2G 5K7 Tal.: 613-580-2424 cst.: 13900 robert, sandercott@otlawa.ca Ville d'Otlawa Urbanisme et Gestlon de la croissancé Tél. : 613-580-2424 poste: 13900 robert.sandercott@ottawa.ca should you require further information, please contact the undersigned at 613-580-2424, ext. 13900.

Yours truly,

Robert Sandercott

Development Information Officer – South District Planning and Growth Management Department

Attach.



File Number: D06-03-22-0049

March 25, 2022

Greg Sabourin Terrapex

Sent via email [g.sabourin@terrapex.com]

Dear Greg,

Re: Information Request

5646 Manotick Main Street, 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:

 No information was returned on the Subject Property from Departmental circulation.

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.

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

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,

Amya Martinov Student Planner

Per:

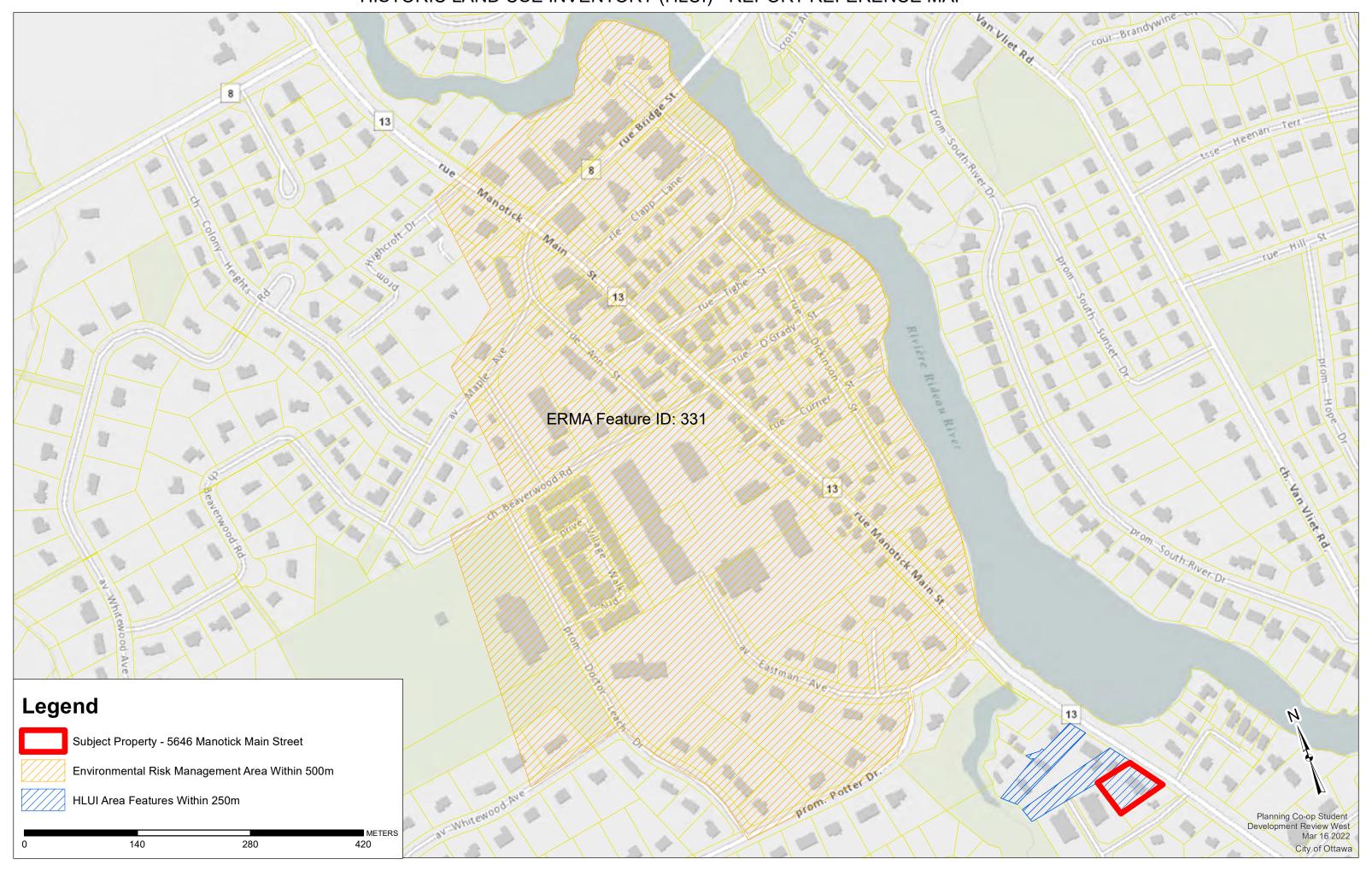
Michael Boughton, MCIP, RPP
Senior Planner
Development Review East
Planning Services
Planning, Infrastructure and Economic Development Department

MB / AM

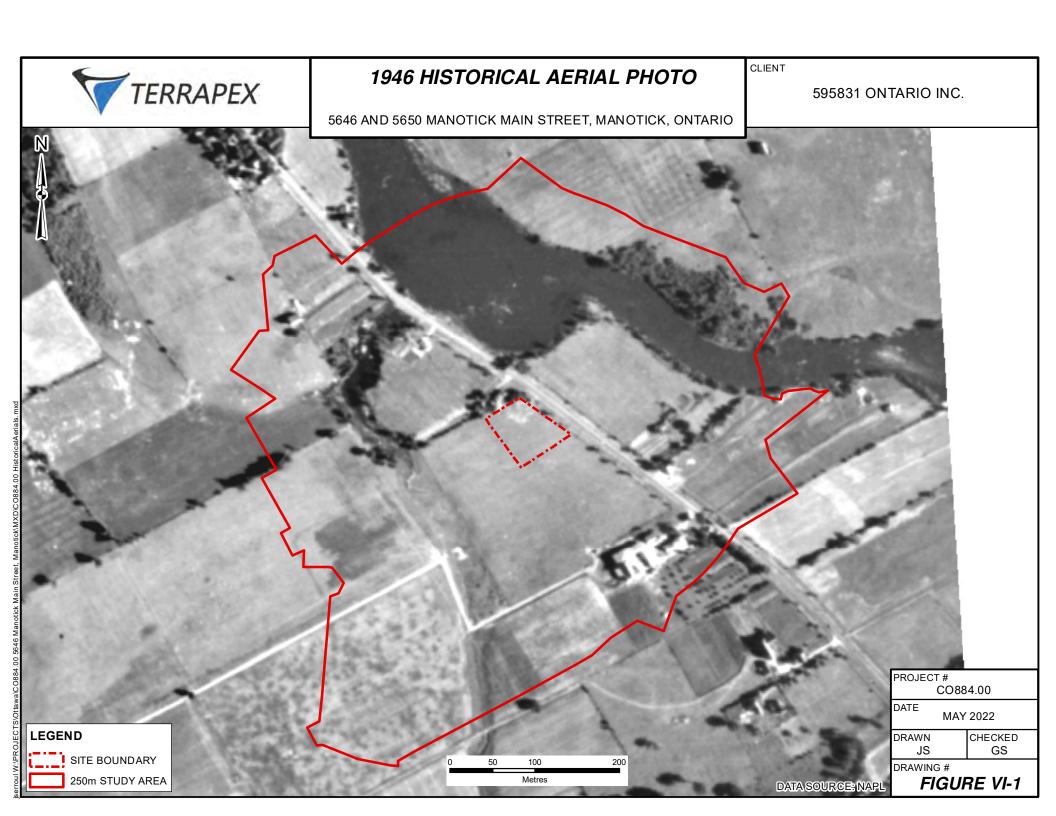
Enclosures: (2)
1. HLUI Map
2. HLUI Summary Report

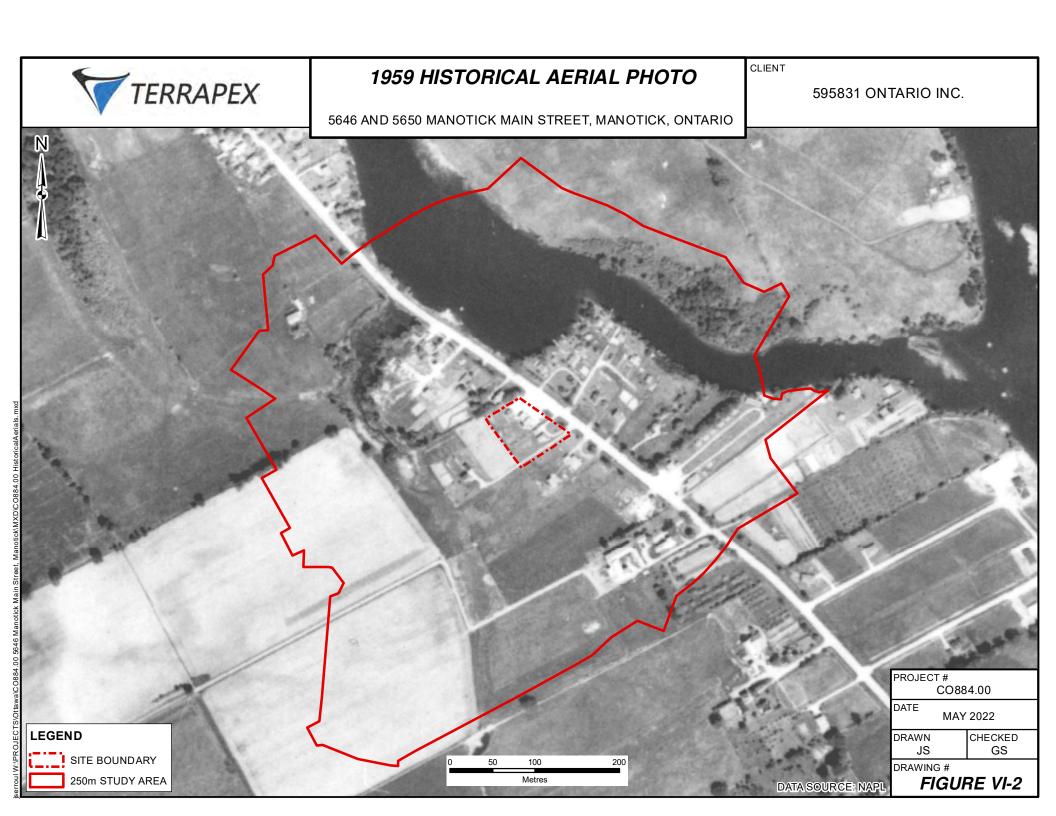
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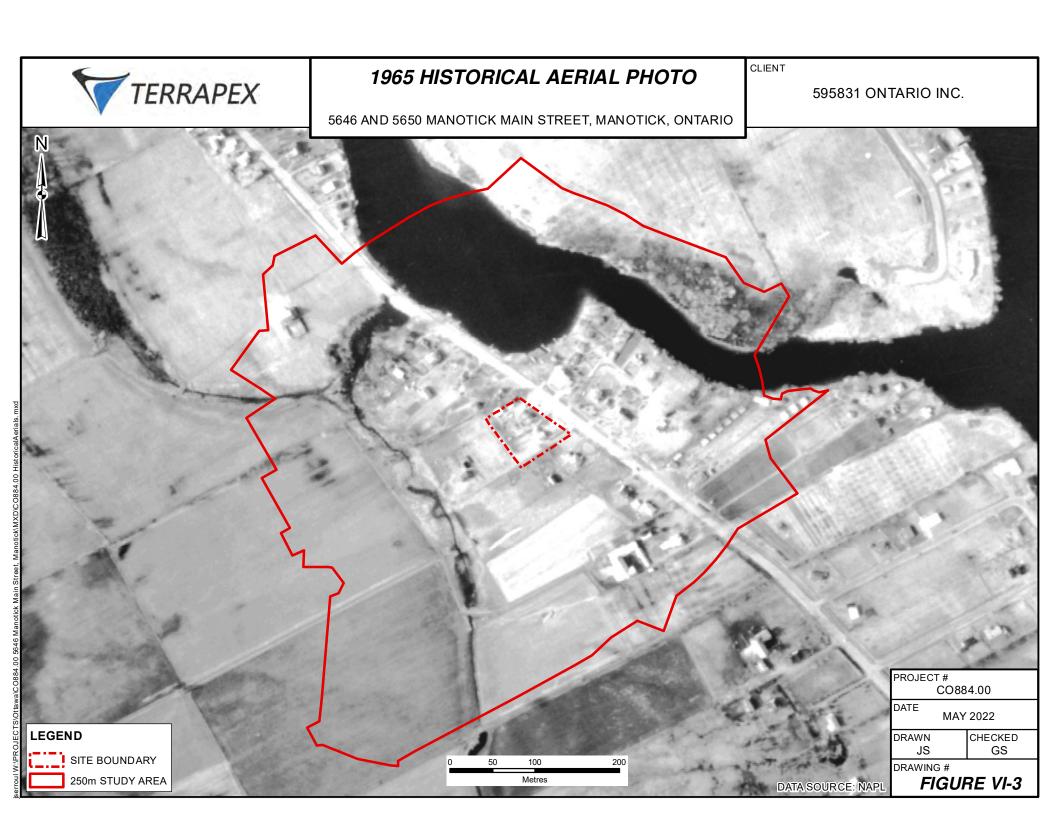
HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP

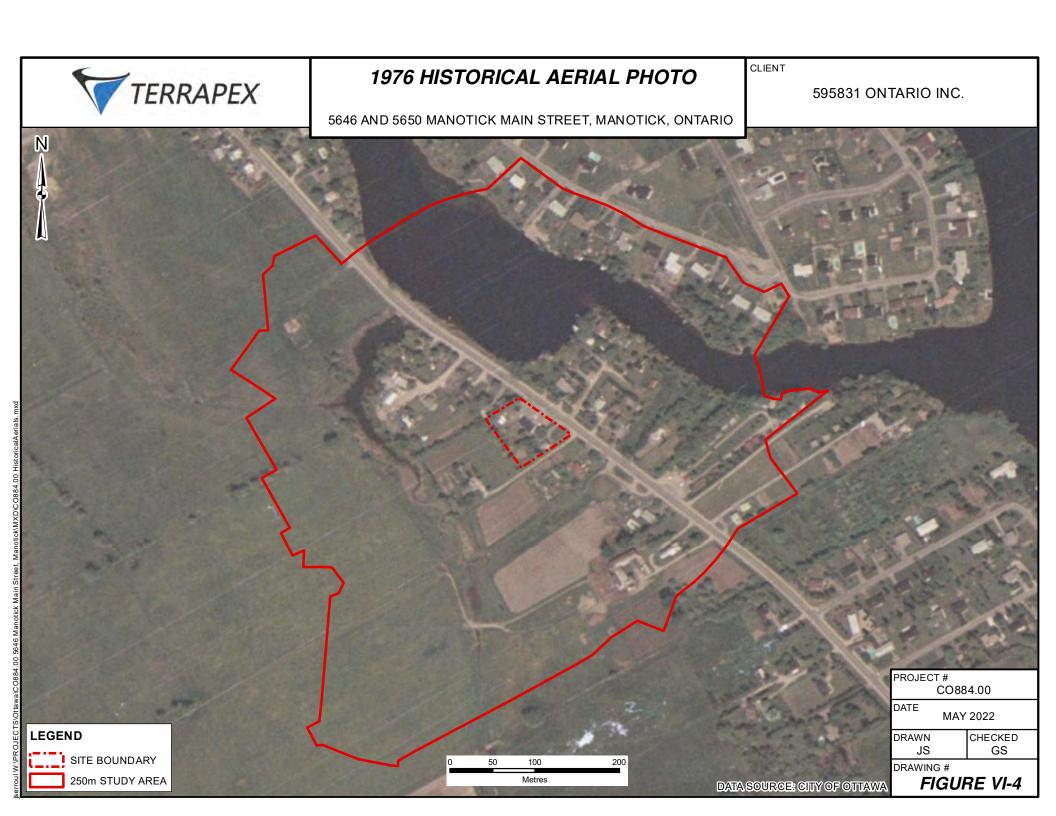


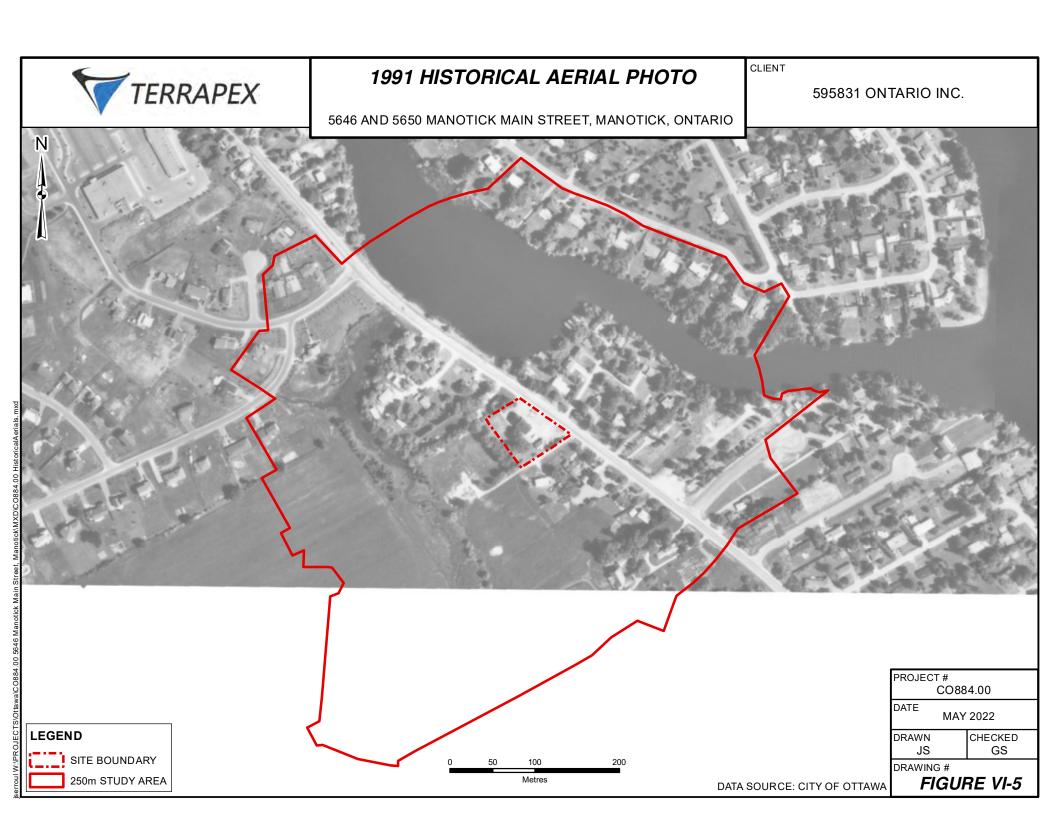
APPENDIX VI AERIAL PHOTOGRAPHS

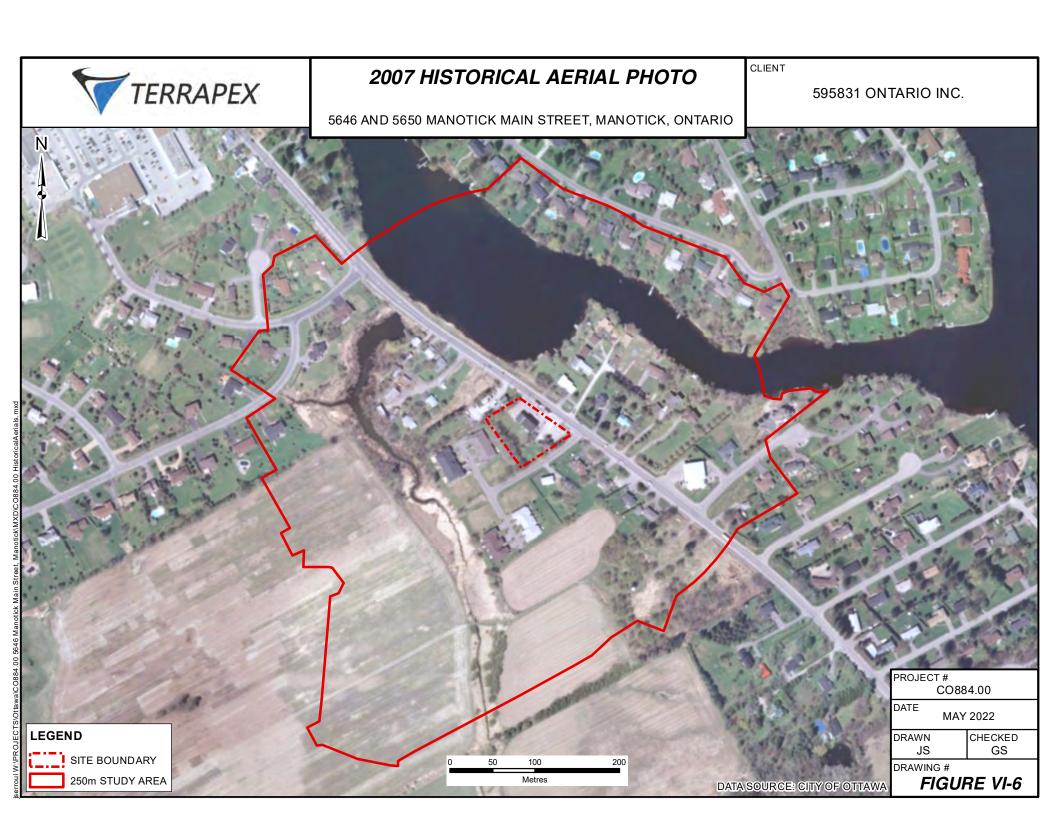


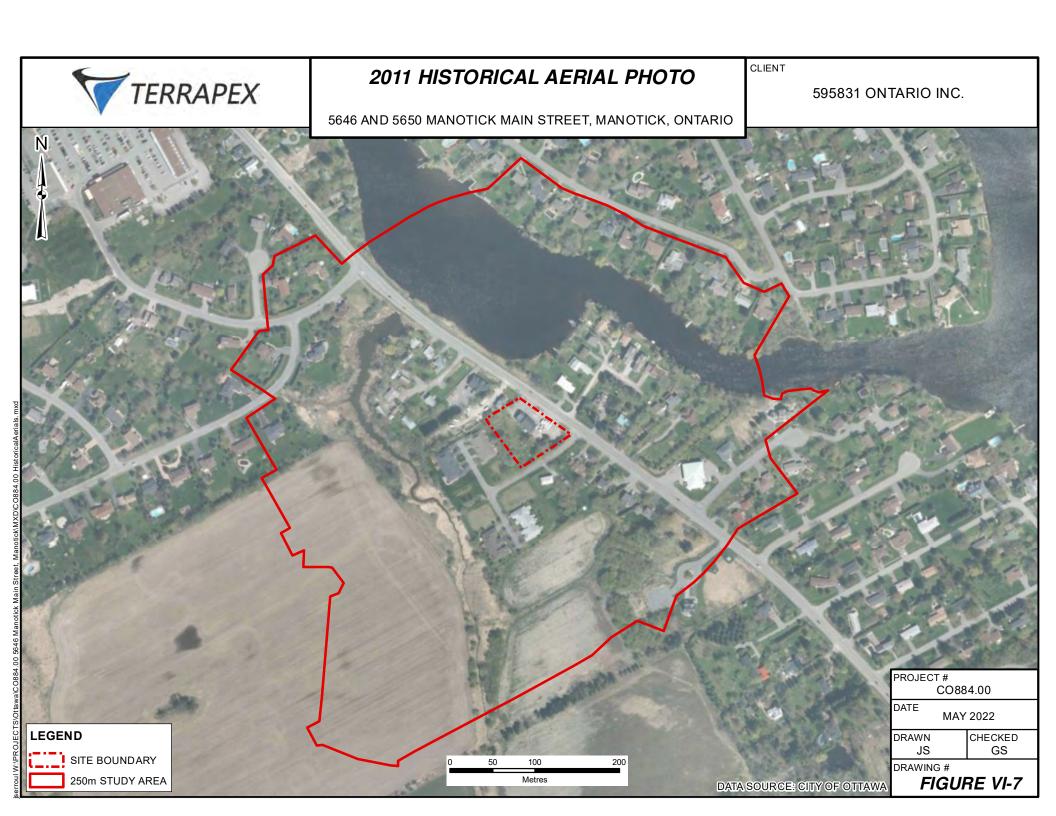


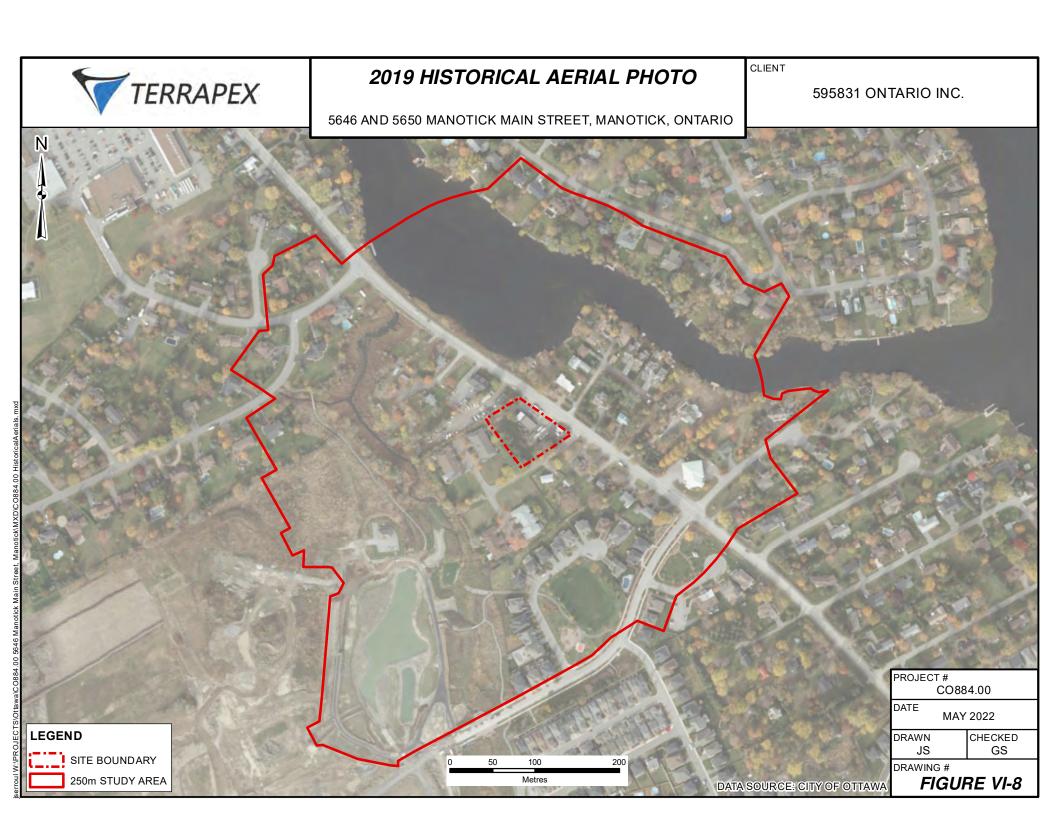












APPENDIX VII TOPOGRAPHIC MAP

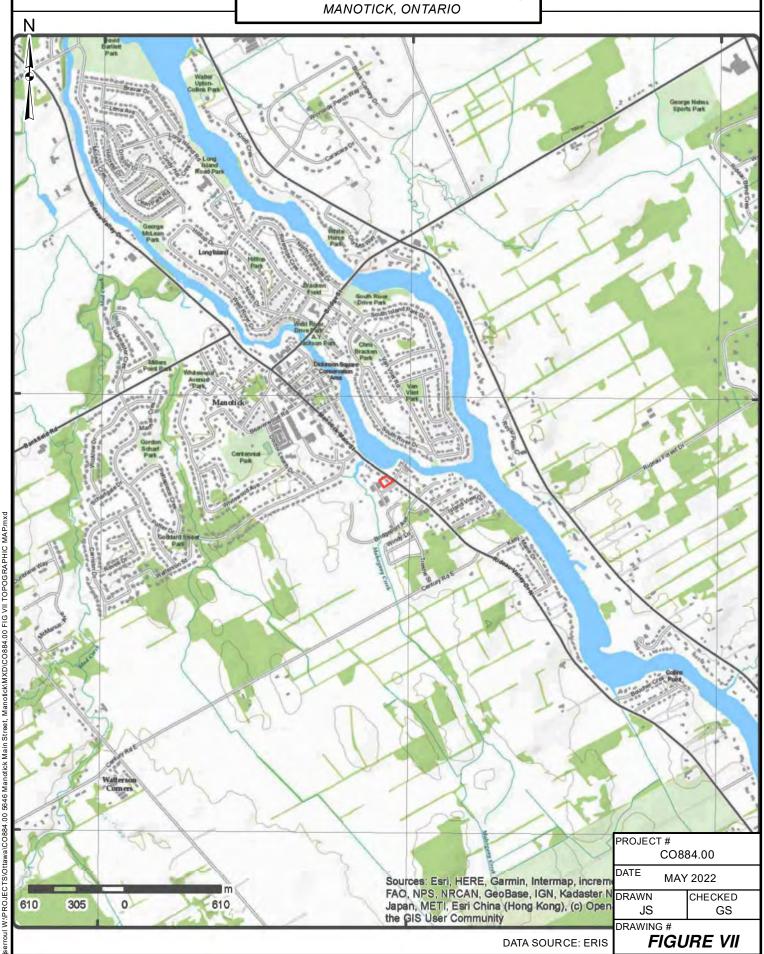


TOPOGRAPHIC MAP

5646 AND 5650 MANOTICK MAIN STREET,

CLIENT

595831 ONTARIO INC.



APPENDIX VIII SITE PHOTOGRAPHS



Page 1 of 11

Client: 595831 Ontario Inc.

Site Location:

5646 & 5650 Manotick Main Street, Ottawa ON

Project No: CO884.00

Photo No: 1

Date: March 16, 2022

Viewing Direction:

west

Description:

A view of the Site from the eastern side of Manotick Main Street.



Photo No: 2

Date: March 16, 2022

Viewing Direction:

South

Description:

View of the Site from the northeastern portion of the Site. The two-bay car wash is visible at the north end of the building.





Page 2 of 11

Client: 595831 Ontario Inc.

Site Location:

5646 & 5650 Manotick Main Street, Ottawa ON

Project No: CO884.00

Photo No: 3

Date: March 16, 2022

Viewing Direction:

East

Description:

View of rear portion of the building from the southwestern portion of the Site.

The two second floor apartments are accessed from the wooden staircase at the southwest corner of the building.



Photo No: 4

Date: March, 2022

Viewing Direction:

North

Description:

View of the septic bed located at the rear of the Site.





Page 3 of 11

Client: 595831 Ontario Inc.

Site Location:

5646 & 5650 Manotick Main Street, Ottawa ON

Project No: CO884.00

Photo No: 5

Date: March 16, 2022

Viewing Direction:

West

Description:

A view of the southwest corner of the building.



Photo No: 6

Date: March 16, 2022

Viewing Direction:

North

Description:

A view of excavated soil located at the rear of the building.





Page 4 of 11

Client: 595831 Ontario Inc.

Site Location:

5646 & 5650 Manotick Main Street, Ottawa ON

Project No: CO884.00

Photo No: 7

Date: March 16, 2021

Viewing Direction:

East

Description:

A view of the apparent location of the former underground storage tank nest.



Photo No: 8

Date: March 16, 2022

Viewing Direction:

South

Description:

A view of domestic supply well located at the front of the building. It was noted that the water supply well was in a state of disrepair and was missing its cap.





Page 5 of 11

Client: 595831 Ontario Inc.

Site Location:

5646 & 5650 Manotick Main Street, Ottawa ON

Project No: CO884.00

Photo No: 9

Date: March 16, 2022

Viewing Direction:

North

Description:

A view of the interior of the Site building in the former store area.



Photo No: 10

Date: March 16, 2022

Viewing Direction:

East

Description:

A view of car wash mechanical room located in the northern portion of the building.





Page 6 of 11

Client: 595831 Ontario Inc.

Site Location:

5646 & 5650 Manotick Main Street, Ottawa ON

Project No: CO884.00

Photo No: 11

Date: March 16, 2022

Viewing Direction:

East

Description:

A view of the second apartment upstairs.

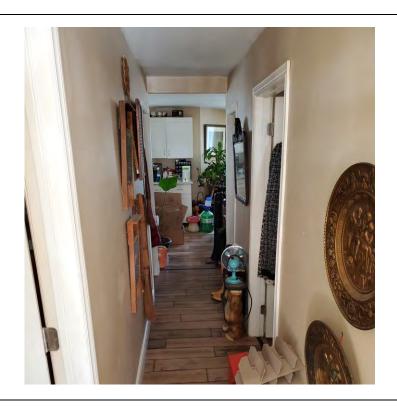


Photo No: 12

Date: March 16, 2022

Viewing Direction:

East

Description:

A view of extension located at the rear of the building.





Page 7 of 11

Client: 595831 Ontario Inc.

Site Location:

5646 & 5650 Manotick Main Street, Ottawa ON

Project No: CO884.00

Photo No: 13

Date: March 16, 2022

Viewing Direction:

N/A

Description:

A view of the bulk detergents stored in the mechanical room for the car wash.



Photo No: 14

Date: March 16, 2022

Viewing Direction:

West

Description:

A view of the bathroom located in the former store area of the building.





Page 8 of 11

Client: 595831 Ontario Inc.

Site Location:

5646 & 5650 Manotick Main Street, Ottawa ON

Project No: CO884.00

Photo No: 15

Date: March 16, 2022

Viewing Direction:

East

Description:

A view of a pipe leading out of the building.



Photo No: 14

Date: March 16, 2022

Viewing Direction:

East

Description:

A view of the former pump island.





Page 9 of 11

Client: 595831 Ontario Inc.

Site Location:

5646 & 5650 Manotick Main Street, Ottawa ON

Project No: CO884.00

Photo No: 17

Date: April 21, 2022

Viewing Direction:

Southwest

Description:

A view of the residential building located at 5650 Manotick Main Street.



Photo No: 18

Date: April 21, 2022

Viewing Direction:

West

Description:

A view of the residential property located at 5650 Manotick Main Street.





Page 10 of 11

Client: 595831 Ontario Inc.

Site Location:

5646 & 5650 Manotick Main Street, Ottawa ON

Project No: CO884.00

Photo No: 18

Date: April 21, 2022

Viewing Direction:

East

Description:

A view of the rear of the residential building located at 5650 Manotick Main Street.



Photo No: 18

Date: April 21, 2022

Viewing Direction:

west

Description:

A view of the residential property located at 5650 Manotick Main Street.





Page 11 of 11

Client: 595831 Ontario Inc.

Site Location:

5646 & 5650 Manotick Main Street, Ottawa ON

Project No: CO884.00

Photo No: 19

Date: April 21, 2022

Viewing Direction:

East

Description:

The shed located in the backyard of 5650 Manotick Main Street property.



Photo No: 18

Date: April 21, 2022

Viewing Direction:

N/A

Description:

A view of the staining located underneath the lawn mower inside the shed located on the 5650 Manotick Main Street Property.



APPENDIX IX QUALIFICATIONS OF ASSESSORS



GREGORY SABOURIN, P.Eng.

Education: B.Eng. Environmental Engineering 2010 Carleton University, Ottawa

Professional Associations:

Professional Engineers of Ontario (PEO) – Membership Number: 100165530

EXPERIENCE 2010 to present – Terrapex Environmental Ltd., Ottawa, Ontario

Mr Sabourin is project manager responsible for supervising environmental site assessments for various municipal residential, commercial and developer clients. Mr. Sabourin has a wide variety of field experience including but not limited to borehole drilling, groundwater sampling, soil and sub-slab vapor sampling, and remedial supervision. Mr. Sabourin Mr. Sabourin is registered with the Ontario Ministry of the Environment, Conservation and Parks (MECP) as a Qualified Person (QP) for undertaking Environmental Site Assessment activities and certifying Records of Site Condition (RSC) and has experience filing in the registry.

PROJECT EXPERIENCE

Municipal client: Completed several Phase I environmental site assessments (ESA) at properties owned by a municipality compliant with CSA standards. The work completed included site inspections to identify visible signs and/or potential sources of contamination possible, contaminant transport pathways, and potential receptors. Conducted interviews with relevant people who had a connection to the site. Conducted research and reviewed available documents including requesting information from public and private entities; interpreting aerial photographs; reviewing city directories, and previous environmental reports and acquired information; drafting of site plans; and, report composition. Additional responsibilities included client and tenant liaison. All Phase I ESAs were finalized with a recommendation for either no further work or the design and completion of a Phase II ESA.

Commercial Client: Was an integral part of a team that completed a Phase One ESA and a subsequent Phase Two ESA at a former industrial Site in Ottawa ON. The ESAs were completed so the Site could be re-developed into childcare facility. Since the Site was to be redeveloped into a more sensitive land use this necessitated the filing of a RSC with the Ministry of Environment, Conservation and Parks (MECP). Responsibilities included developing the conceptual site model (CSM), liaison with the clients and property owner for the supporting documentation needed for the RSC filing, filling out the electronic RSC form and addressing MECP comments during the initial review.

Petroleum Client: Conducted field and reporting tasks for a soil remediation project at a former gas station and commercial property, in Ottawa, Ontario. The area excavated was based on results of a previous Phase II ESA and observations of the soil conditions during the excavation. The total soil excavated and disposed of offsite was 4,700 metric tonnes. Responsibilities included supervision and direction n of all excavation activities, collection of confirmatory soil samples, interpretation of laboratory analytical data, drafting of site plans and analytical results figures, and report composition.

Technology Client: Conducted field and office activities for Human Health and Ecological Risk Assessment (HHERA) for site located in eastern Ontario that was contaminated by historic use and storage of chlorinated solvents. Responsibilities included management of sub-contractors, liaison with client and land owners, health and safety, groundwater monitoring and sampling, sub-slab vapour and ambient air sampling, drafting of site plans, review of historic reports, completion of data gap analysis, and annual report composition. In order to support the HHERA, Mr. Sabourin conducted a building floor and subgrade investigation consisting of the installation and sampling of sub-slab vapour probes and conducting preliminary pilot sub-slab communicative testing for the eventual design and installation of a sub-slab depressurization system.

Government Client: Provided multi-year environmental consulting services to a government campus in Ottawa, Ontario with respect to due diligence monitoring of the facilities sanitary effluent flow. Responsibilities included reviewing sanitary sewer plans and selecting sample locations, completion of a health and safety plan, supervising and training Terrapex staff in collection of sanitary effluent samples using manual and automatic sampling methodologies, and writing reports comparing the analytical results to the Ottawa's sewer-use bylaw. The sanitary effluent sampling program has since expanded to include additional buildings and facilities.





Position: Senior Project Manager, Ottawa Office

Qualifications: B.A.Sc., Geological Engineering

P.Eng., Province of Ontario

QP_{ESA} in accordance with O.Reg. 153/04

Experience: Terrapex Environmental Ltd. 2015 to present

Franz Environmental Inc. 2010 to 2014
Houle Chevrier Engineering Ltd. 2009 to 2010
Sustainable Development Technologies Canada 2008-2009
Aqua Terre Solutions Inc. 1998-2008

Conor Pacific Environmental Technologies Inc.

(formerly Arcturus Environmental Inc)1994-1998Consulting and Audit Canada1993-1994Adamas Engineering Ltd.1992-1993Water & Earth Science Associates Ltd.1991-1992

Mr. Grinnell is a senior environmental engineer / senior project manager with 27 years of experience. During that time he has managed approximately 620 phased environmental site assessment (Phase I, II & III ESAs), 250 contaminated site remediations, 60 designated substance surveys, 200 underground storage tank removals, 20 storage tank compliance programs, 25 potable water/wastewater projects and 35 compliance audits. As a senior project manager Mr. Grinnell liaises regularly with the clients and is responsible for ensuring that project deliverables are provided on time and on budget. He also provides senior technical review on all reports/correspondence issued for his projects.

Representative projects include the following:

Inogen Canadian Account Leader. Since 2016, Mr. Grinnell has been responsible for assigning all work requests in Canada. This includes liaising with clients and project teams, overseeing work product quality, assigning resources to complete deliverables on time and on budget and attending global meetings to support clients and learn associate capabilities to enhance service delivery in Canada.

Account Manager and Senior Technical Reviewer, SOA, Valvoline Canada Corporation. Responsible for overseeing site assessments and site investigations conducted for due diligence purposes in Alberta, Manitoba and Ontario under current standing offer agreement since 2019.

Account Manager and Senior Technical Reviewer, SOA, National Capital Commission (NCC). Responsible for overseeing site assessment, site monitoring/management, risk assessment and other work programs conducted on federal lands owned by the NCC in the National Capital Region since 2018.

Project Manager and Senior Technical Reviewer for remediation and risk base closure plan, chlorinated hydrocarbons impacted site, confidential location eastern Ontario. This project has included a data gap analyses, supplemental investigations to assess soil vapour and sub-slab soil vapour conditions, remedial options analyses, development of a conceptual site model, preparation of a human health and ecological risk assessment (ongoing) and the design/installation of a sub slab depressurization system (panned for 2018).

Project Manager and Senior Technical Reviewer, Phase I ESA / LCA/ Phase II ESA / remedial options analyses, transactional due diligence investigation, Confidential Client. On behalf of an American food manufacturer, Phase I ESAs and limited compliance audits (environmental and health and safety) were conducted at facilities located in Edmonton Alberta, Brantford Ontario and Toronto, Ontario. Following the identification of historical TCE storage and handling at the Toronto facility, a Phase II ESA, supplemental soil and groundwater delineation program, remedial options analyses and environmental liability estimate were prepared. The transaction ultimately proceeded and the Toronto facility is currently undergoing remediation (oversee by the original owner).

Account Manager and Senior Technical Reviewer, SOA, Husky Oil Operations Limited. Responsible for overseeing all site assessment, site monitoring/management and site remedial work programs conducted in Ontario since 2015.