PATERSON GROUP

Phase I Environmental Site Assessment

1450, 1454, 1458, 1464 and 1468 Bankfield Road,

And 5479 and 5485 Elijah Court

Ottawa, Ontario

Prepared for Myers Automotive Group

Report: PE5397-1R2

November 30, 2022

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Myers Automotive Group (Myers), to conduct a Phase I Environmental Site Assessment (ESA) for the properties at 1450, 1454, 1458, 1464 and 1468 Bankfield Road, and 5479 and 5485 Elijah Court, in the City of Ottawa, Ontario. The purpose of this Phase I-Environmental Site Assessment (Phase I-ESA) was to research the past and current use of the site and study area to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property was first developed in 1952 for residential purposes. The property at 1464 Bankfield Road constructed a small automotive repair garage on the western side of the residence, circa 1997. The vacant part of the property, central and southern portions of 1464 Bankfield was also used as a sand and gravel pit in 1990/1991. Following this activity, granular fill was imported onto the site. The automotive garage operation and importation of fill material at 1464 Bankfield Road are potentially contaminating activities (PCAs) that represent areas of potential environmental concern (APECs).

A review of the historical information indicated that the surrounding lands have been used primarily for residential purposes with some agricultural land uses. No historical off-site PCAs were identified on properties within the Phase I Study Area.

Following the historical research, site visits were conducted to assess the current use of the Phase I Property and the Phase I Study Area. Based on the site visit, the Phase I Property currently consists of residential properties and mixed-used properties.

The residential properties of the Phase I Property, specifically 1450, 1458 and 1468 Bankfield Road, and 5479 and 5485 Elijah Court are occupied by the original 1950s to 1970s residential dwellings. No PCAs were identified with the current use of these properties.

The mixed-used properties, 1454 and 1464 Bankfield Road operate as service garages for small non-road vehicles (i.e., backhoe) and automobiles, respectively. 1454 Bankfield Road consists of a temporary or make-shift service area on the south end of the property that has been in operation since 2011.

The work area is constructed with in-ground wood supports with a sheet metal covering and a set of above-grounds hoists to perform minor repairs/services such as lubricant and engine oil changes.

The automotive repair garage is situated on the eastern side of 1464 Bankfield Road and has been in operation since 1997. The garage consists of 2 sets of above ground electric hoists. No oil-water separators were noted on-site, although two 2 waste oil totes were noted on the exterior of the property. Some staining in the immediate area of the totes was noted at the time of the site visit.

The current use of the commercial portions of 1454 and 1464 Bankfield Road, as well as the 2 waste oil totes, are considered to results in APECs.

Surrounding lands consist primarily of residential and agricultural use. No off-site PCAs were identified with the current use of the Phase I Study Area.

Recommendations

Based on the findings of the assessment, **it is our opinion that a Phase II-Environmental Site Assessment is required for the Phase I Property.**

It is our understanding that the Phase I Property will be redeveloped in the future for commercial purposes. A designated substance survey (DSS) of the buildings must be conducted prior to demolition of the existing buildings in accordance with Ontario Regulation 490/09, under the Occupational Health and Safety Act, prior to the disturbance of any designated substances.

If the domestic wells on-site are not going to be used in the future, they should be abandoned according to Ontario Regulation 903.

1.0 INTRODUCTION

At the request of Myers Automotive Group (Myers), Paterson Group (Paterson) conducted a Phase I Environmental Site Assessment (Phase I ESA) for the properties located at 1450, 1454, 1458, 1464 and 1468 Bankfield Road, and 5479 and 5485 Elijah Court, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area to identify any environmental concerns with the potential to have impacted the Phase I Property.

Paterson was engaged to conduct this Phase I ESA by Mr. Geoff Publow, of Myers. The office of Myers Automotive Group is located at 1200 Baseline, Ottawa, Ontario.

This report has been prepared specifically and solely for the above noted project which is described herein. It contains all of our findings and results of the environmental conditions at this site.

This Phase I-ESA report has been prepared by a qualified person, in general accordance with Ontario Regulation (O.Reg.) 153/04, as amended, under the Environmental Protection Act, and CSA Z768-01 (reaffirmed 2022). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I-ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

2.0 PHASE I PROPERTY INFORMATION

Address:	1450, 1454, 1458, 1464 and 1468 Bankfield Road, and 5479 and 5485 Elijah Court, Ottawa, Ontario.
Location:	The Phase I Property is located on the southeast corner of the Bankfield Road and Prince of Wales Drive intersection, in the City of Ottawa, Ontario. The Phase I Property is shown on Figure 1 - Key Plan following the body of this report.
Latitude and Longitude:	45° 13' 5.59" N, 75° 42' 53.03" W.

Site Description:

Configuration:	Irregular
Site Area:	19,200 m^2 or 1.92 hectares(approximate).
Zoning:	DR1 – Development Reserved Zone.
Current Use:	The Phase I Property consists of residential properties at 1450, 1458 and 1468 Bankfield Road, and 5479 and 5485 Elijah Court, and commercial and residential uses (mixed-use) at 1454 and 1464 Bankfield Road: a small equipment rental and repair operation and an automotive service garage, respectively.
Services:	The Phase I Property is located in an area where private wells and septic systems are relied upon.

3.0 SCOPE OF INVESTIGATION

The scope of work for this Phase I – Environmental Site Assessment was as follows:

- Determine the historical activities on the Phase I Property and study area by conducting a review of readily available records, reports, photographs, plans, mapping, databases and regulatory agencies;
- Investigate the existing conditions present at the Phase I Property and study area by conducting site reconnaissance;
- Conduct interviews with persons knowledgeable of current and historic operations on the Phase I Property, and if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements of Ontario Regulation 269/11 amending O.Reg. 153/04 made under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01 (reaffirmed 2022);
- Provide a preliminary environmental site evaluation based on our findings;
- Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

4.0 RECORDS REVIEW

4.1 General

Phase I-ESA Study Area Determination

A radius of approximately 250 m was determined to be appropriate as a Phase I ESA study area for this assignment. Properties outside the 250 m radius are not considered to have impacted the subject land, based on their significant distance from the site.

First Developed Use Determination

Based on a domestic well record in combination with a personal interview, the Phase I Property was first developed for residential purposes circa 1952.

Fire Insurance Plans

Fire insurance plans are not available for the Phase I Property or the study area.

City of Ottawa Street Directories

There are no city directories available for the Phase I Property or properties within the study area.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on October 17, 2022. The Phase I Property is not listed in the NPRI database. There are no properties registered in the NPRI database within the study area.

PCB Inventory

A search of provincial PCB waste storage sites was conducted. No PCB waste storage sites are located within the Phase I study area.

Ontario Ministry of Environment, Conservation and Parks (MECP) Instruments

A request was submitted to the MECP Freedom of Information (FOI) office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments for the site.

Based on the response received from the MECP, no records were located regarding the Phase I Property. A copy of the MECP FOI response is appended to this report, in Appendix 2.

MECP Submissions

A request was submitted to the MECP FOI office for information with respect to reports related to environmental conditions for the properties. Based on the response received from the MECP, no records were located regarding the Phase I Property. A copy of the MECP FOI response is appended to this report.

MECP Incident Reports

A request was submitted to the MECP FOI office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP for the site or adjacent properties. Based on the response received from the MECP, no records were located regarding the Phase I Property. A copy of the MECP FOI response is appended to this report.

MECP Waste Management Records

A request was submitted to the MECP FOI office for information with respect to waste management records. Based on the response received from the MECP, no records were located regarding the Phase I Property. A copy of the MECP FOI response is appended to this report.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No Municipal Coal Gasification Plant Sites are located within the Phase I Study Area.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. No former waste disposal sites were identified within the Phase I Study Area.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No Records of Site Condition (RSCs) were filed for the Phase I Property or on properties within the Phase I Study Area.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I study area was conducted on the web site of the Ontario Ministry of Natural Resources (MNR). The search did not reveal any natural features or areas of natural significance within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on September 19, 2022, to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. No records are listed in the TSSA registry for the Phase I Property or the neighbouring lands. A copy of the TSSA correspondence is included in Appendix 2.

City of Ottawa Historical Land Use Inventory (HLUI) Database

A Historical Land Use Inventory (HLUI) search request was submitted to the City of Ottawa for information regarding the Phase I Property and properties within a 250 m study area. According to the HLUI map and search results, two (2) activities were identified on the commercial portion of the Phase I Property at 1464 and 1468 Bankfield Road: an automotive service garage (Rooney's Repair) and a former sand and gravel pit, respectively. Based on this search in combination with our findings, the automotive repair garage is a potentially contaminating activity (PCA) that represents an area of potential environmental concern (APEC). The former use of the property as a sand and gravel pit is considered a PCA, given that some fill of unknown quality was imported on-site during the early 1990s.

One off-site activity, specifically a sand and gravel pit, was identified approximately 200 m or more, south of the Phase I Property. Based on the separation distance, this former sand and gravel pit is not considered an APEC. A copy of the HLUI response letter and search results are appended to this report.

Environmental Risk Information Services (ERIS) Report

An ERIS (Environmental Risk Information Service) Search Report, dated August 4, 2021, was obtained for the Phase I Property and properties within the Phase I Study Area.

According to the ERIS report, there was one record identified for the Phase I Property. A historical incident reported in 2009 was identified for the residence at 1468 Bankfield Road. The report indicated a near miss, specifically an electrical fire in the basement near a furnace oil AST. No other information was provided in the report.

The ERIS search did not identify any other records pertaining to the Phase I Property or properties within the Phase I study area. A copy of the ERIS report is included in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the National Air Photo Library were reviewed in approximate ten (10) year intervals. The review period dates back to the first available air photos for the site. Based on the review, the following observations have been made:

1965 — The Phase I Property, specifically the properties addressed 5479 and 5485 Elijah Court, and 1450 and 1454 Bankfield Road, appear to be developed and occupied by the present-day residential dwellings, while the remaining lots appear as vacant. The neighbouring lands to the north, east and west appear to be occupied primarily by farmsteads and residential dwellings, while lands to the south and further east are undeveloped tree covered land.

1976 — All of the properties are developed and occupied by residential dwellings at this time, while the southcentral portion appears vacant and stripped of topsoil. No significant changes are apparent on the surrounding lands to the north, east, west and south.

1991 — The majority of the Phase I Property appears unchanged from the previous image, with the exception that fill material can be seen on the southcentral portion of the site.

2002 The southern portion of the Phase I Property appears landscaped where the fill was previously placed. The surrounding lands appear unchanged from the previous photograph.

2011 No significant changes have been made to the Phase I Property or the surrounding lands to the north, east and west, while the neighbouring land to the south appears to have handled possible fill material at this time.

2021 The Phase I Property and the surrounding lands to the north and east appear unchanged from the previous photograph, while the neighbouring land to the south no longer appears to be handling fill material. New access lanes can be seen on a property further west, across Prince of Wales Drive.

The fill material on the southern portion of the Phase I Property can be seen in the 1991 and 2011 aerial images, respectively. The unknown quality of the fill material on the southcentral portion of the Phase I Property represents an APEC. Copies of selected aerial photographs reviewed are included in Appendix 1.

Topographic Maps

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. Regionally, the topographic maps indicate a downward slope in a southeasterly direction. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada – The Atlas of Canada website. According to this physiographic map, the site is located in the St. Lawrence Lowlands. According to the mapping description provided: "The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets." The Phase I Property is located in the Central St. Lawrence Lowland, which is generally less than 150 m above sea level.

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, bedrock in the area of the site consists of dolomite of the Oxford Formation. The overburden across the site consists of glaciofluvial deposits with a drift thickness on the order of 10 to 15m across the site.

Water Well Records

A search of the MECP's web site for all drilled well records within 250 m of the Phase I Property was conducted on September 19, 2022. The search returned 15 well records within the Phase I Study Area, all of which were domestic wells.

Seven (7) records were identified on the Phase I Property, which were drilled in between 1952 and 1962 to depths of approximately 18 to 36 m below the existing ground surface. Based on these well records, the stratigraphy in the immediate area consisted of clay, followed by sand, and underlain by gravel. Shale bedrock was encountered at approximately 27.7m below the existing ground.

The remaining wells were drilled between 1954 to 2011 to depths ranging from approximately 7.9 to 48.7 m below the existing ground surface.

All domestic wells were drilled to fresh water. These domestic wells are currently in-use, as the area relies upon private water wells. Copies of the well records are provided in Appendix 2.

Water Bodies and Areas of Natural Significance

There are no natural water bodies or areas of natural significance within the Phase I study area.

5.0 INTERVIEWS

Property Owner of 1464 and 1468 Bankfield Road

Mr. Dave Rooney, the current landowner of 1464 and 1468 Bankfield Road was interviewed at the time of the site visit on August 11, 2021. Mr. Rooney's father purchased the two (2) properties which were originally used for residential purposes in 1964. The residential dwellings at 1464 and 1468 Bankfield Road were constructed in 1964 and 1952, respectively. Both homes were heated with furnace oil fired equipment. According to Mr. Rooney, there have been no oil spills, leaks or potential environmental concerns regarding the furnace oil aboveground storage tanks (ASTs).

According to Mr. Rooney, the automotive garage at 1464 Bankfield Road has been in operation since 1997. The garage performs minor engine repairs and general automotive services. The fill material noted on-site was also discussed. The southern portion of the property was formerly used to extract sand and gravel in 1990/1991. This area onsite was backfilled with some fill material. The source of the fill material placed on-site was not known.

Property Owner of 1454 Bankfield Road

The former property owner and operator of P.G.R Equipment Rentals and Repairs was interviewed at the time of the site visit on August 23, 2022. The former property owner purchased the residential property in the early 1980s and started a small equipment (primarily backhoe) rental and minor repair company in 2011. As part of his operation, the landowner constructed a temporary make-shift garage, which consisted of 4x4 pressure treated wood supports with sheet metal roof covering and an above ground hoist.

According to the landowner, the majority of his operations that his company performed were mobile services/support offered off-site.

Property Owners of 1458 Bankfield Road and 1450 Bankfield Road

Mr. Gavin Borrowman, of Myers Automotive Group (Myers), the current property owner, was interviewed at the time of the site visit on June 30, 2022. According to Mr. Borrowman,1458 Bankfield Road has always been used for residential purposes.

It was noted by Myers that several attempts were made to contact the former landowner for an interview, however, this person has not been available. Mr. Rooney, the current neighbour of 1464 and 1468 Bankfield Road was interviewed for information regarding the history of this particular property.

According to Mr. Rooney, the residential dwelling was constructed circa 1970 with the present-day bungalow and has always been used for residential purposes. No other information regarding the subject land was revealed from the interview with Mr. Rooney.

Mr. Hytham, the current landowner of 1450 Bankfield Road, was interviewed by phone as part of this assessment on June 30, 2022. Mr. Hytham has owned the property for 8 years, during which time, extensive exterior and interior renovations were completed. The residence has always been tenant occupied since Mr. Hytham completed the renovations in 2015. According to Mr. Hytham, the present-day bungalow was constructed in the late 1960s.

Mr. Hytham was not aware of any potential environmental concerns regarding the subject property.

Property Owners of 5479 and 5485 Elijah Court

Mr. Steven Winsor, the former landowner of 5479 Elijah Court, was interviewed at the time of the site visit on September 21, 2022. Mr. Winsor has owned the property for more than 25 years and has always utilized the property for residential purposes.

Mr. Winsor was not aware of any potential environmental concerns regarding the subject property or on the neighbouring lands.

Mr. David Johnson, the current landowner of 5485 Elijah Court, was interviewed at the time of the site visit on November 23, 2022. According to Mr. Johnson, the property has always been used for residential purposes since the property was initially developed with the present-day dwelling in the early 1960s. Mr. Johnson was not aware of any potential environmental concerns regarding the subject property or on the neighbouring lands.

The current and/or former property owner(s) were selected for interviews based on their availability and significant knowledge of the historical land use of the respective properties. Any other pertinent information obtained during these interviews have been included in the relevant sections of this report.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site assessments were conducted on August 11, 2021, June 30, 2022, August 23, 2022, September 21, 2022, and November 23, 2022, by Ms. Mandy Witteman from the Environmental Department of Paterson Group. Access was provided to the entire Phase I Property by the former and/or current landowners.

It should be noted that the site visit conducted in August of 2021, was completed for 1464 and 1468 Bankfield Road properties, while the more recent site visits included the assessments of 1450 and 1458 Bankfield Road (June 30, 2022), 1454 Bankfield Road (August 23, 2022) and 5479 and 5485 Elijah Court (September 21, 2022, and November 23, 2022, respectively). The recent site visit(s) did not identify any changes to the 1464 and 1468 Bankfield Road properties that were assessed in August of 2021.

In addition to the site, the uses of neighbouring properties within the Phase I study area were also assessed at the time of the site visit.

6.2 Specific Observations at Phase I Property

Buildings and Structures

1450 Bankfield Road is occupied by a single-storey residential dwelling and private garage. The dwelling was constructed in the early 1970s with a concrete block foundation and is heated by a propane fired furnace. The exterior of the dwelling is finished in vinyl siding and a sloped shingle style roof, while the private shed is finished in vinyl siding and a shingle style roof.

The private shed is used to store lawn care equipment and a hobby car.

1454 Bankfield Road is occupied by a single-storey residential dwelling with a private garage and shed. The dwelling was constructed in the early 1970s with a concrete block foundation and heated by a propane fired furnace. The exterior of the dwelling is finished in red brick with a sloped shingle style roof, while the private shed and garage are both finished in vinyl siding with shingle covered roofs. The garage is constructed with a slab-on-grade concrete floor, which has been used to store equipment and tools, while lawn maintenance equipment and tools were stored in the private wooden shed. The south end of the property is occupied by a temporary workspace/garage, which was built using sheet metal cover, supported by in-ground 4x4 pressure treated wood columns and an above ground hoist. No signs of staining or sources of contamination were noted in the area of the make-shift workspace/garage. However, based on the presence of this make-shift garage, and given that small engine services have been conducted on-site, it represents an APEC.

1458 Bankfield Road is occupied by a single-storey residential dwelling and private garage. The dwelling was constructed in 1970 with a concrete block foundation and heated by a propane fired furnace. The exterior of the dwelling is finished in vinyl siding with a sloped shingle style roof. The private garage was constructed with a slab-on-grade foundation, while the building is finished in vinyl siding. The shed is currently used to store small recreational motor vehicles.

1464 Bankfield Road is occupied by a 2-storey residential dwelling, a shed, and a commercial automotive garage. The residential dwelling was constructed in 1964 with a concrete block foundation. The exterior is finished in red brick with a sloped shingle style roof. The commercial garage at 1464 Bankfield Road was constructed in 1997 with a slab-on-grade concrete foundation and concrete block walls with a flat style roof. The dwelling and garage are heated by electrical baseboard heaters and ceiling suspended (electric) furnace, respectively.

1468 Bankfield Road is occupied by a 2-storey residential dwelling and private garage. The dwelling was constructed in 1952 with a concrete block foundation, vinyl exterior and a sloped shingle style roof. The residence is heated by furnace oil.

The properties addressed 5479 and 5485 Elijah Court are occupied by single-storey residential dwellings with a single basement level, and private garages. The dwellings were constructed circa 1960 with concrete block foundations. The dwelling at 5479 Elijah Court is finished in an aggregate-mixed glass stucco and a sloped shingled style roof.

The private garage was constructed with a slab-on-grade foundation and wooden structure with a shingled cover roof.

The residential dwelling at 5485 Elijah Court is constructed with a concrete block foundation, finished in vinyl siding exterior and a sloped shingled style roof. The private garage is a slab-on-grade structure, also finished in vinyl siding with a sloped shingled roof.

Site Features

With the exception of 5479 and 5485 Elijah Court, the majority of the Phase I Property is accessible from Bankfield Road. The driveways are either asphaltic paved concrete or gravel covered. The majority of the Phase I Property is landscaped. Site drainage consists primarily of infiltration on the gravel and grass covered properties, and sheet flow on the asphaltic concrete driveways to ditches located along Bankfield Road and Elijah Court.

The southern portion of 1464 Bankfield Road is mostly vacant land that had been occupied by vehicles and a couple of RVs and sea containers.

The Bankfield properties are above the grade of Prince of Wales Drive, and slope down in a south-easterly direction, while the Elijah Court properties are above the grade of Elijah Court, and slope down in a south-westerly direction. The regional topography slopes down in a south-easterly direction towards the Rideau River.

Waste produced on-site consists of a combination of non-hazardous domestic waste and commercial waste produced by the automotive service garage at 1464 Bankfield Road. Two (2) waste oil totes were noted on the central north portion of the site behind the garage. Staining was observed on the ground surface in the immediate vicinity of the waste oil totes at 1464 Bankfield Road.

Waste engine oil and lubricants contained in small containers were noted behind the make-shift garage at 1454 Bankfield Road. No staining or signs of contamination were noted at the time of the site visit.

No evidence of current or former railway or spur lines was observed on the Phase I Property. No signs of an underground storage tank (UST), exterior above ground storage tank (AST) or unidentified substances were observed on-site at the time of the site visit. No other potential environmental concerns were noted on the Phase I Property.

Subsurface Services and Utilities

The Phase I Property is situated in an area where private services (potable water wells and septic systems) are relied upon. Natural gas access is not available in

the area of the Phase I Property. Other utilities and/or structures include electricity entering from Bankfield Road.

Interior Assessments

A general assessment of the residential dwelling interior of 1450 Bankfield Road is as follows:

- The floors were finished with a combination of ceramic, laminate flooring and poured concrete (basement).
- The walls and ceilings consisted of drywall and ceiling stipple.
- Lighting throughout the building was provided by incandescent light fixtures.

The building is heated by propane fired equipment. No sump pits were noted at the time of the site visit. A dry and clean floor drain was noted at the time of the site visit. No staining or odours were noted at the time of the site visit. Chemicals stored on-site included paints and house-hold cleaning products, all of which were properly stored in labelled containers. No fuel was observed to be stored on-site at the time of the site visit. No concerns were noted with the interior of the subject building at the time of the site visit.

A general assessment of the residential dwelling interior and garage at 1454 Bankfield Road is as follows:

- The floors were finished with a combination of ceramic, laminate flooring and poured concrete (basement).
- The walls and ceilings consisted of drywall and ceiling stipple.
- Lighting throughout the building was provided by incandescent light fixtures.

The residence is heated by propane fired equipment. No sump pits or floor drains were noted in the dwelling at the time of the site visit. Engine oil, paints and commercially available degreasing chemicals were observed in private garage, all of which were properly stored in labelled containers. No fuels or unidentified substances were observed at the time of the site visit. No concerns were noted with the interior of the subject buildings at the time of the site visit.

A general assessment of the residential dwelling interior of 1458 Bankfield Road is as follows:

- The floors were finished with a combination of hardwood, linoleum and laminate flooring and poured concrete (basement).
- The walls and ceilings consisted of some hard plaster and drywall and ceiling stipple.

- Lighting throughout the building was provided by incandescent light fixtures.

The dwelling is currently vacant/unoccupied. No chemicals, fuels or waste was observed on-site at the time of the site visit.

Two (2) floor drains, dry and free of debris, were noted at the time of the site visit. The dwelling was formerly heated by propane fired equipment. No signs of staining or unusual odour were noted at the time of the site visit. No concerns were noted with the interior of the subject building at the time of the site visit.

A general assessment of the automotive garage interior of 1464 Bankfield Road is as follows:

- The floors were finished with poured concrete.
- The walls and ceilings consisted of concrete blocks and steel decking.
- Lighting throughout the building was provided by incandescent light fixtures.

The building is heated by an electrical furnace. No sump pit, floor drain, or oil water separator were noted at the time of the site visit.

Some minor staining in the absence of odour was noted on the concrete slab floor in the immediate vicinity of anti-freeze containers. No staining was observed in the immediate area of an electric hoist. No AST or signs of an AST were noted at the time of the site visit.

A general assessment of the residential dwelling interiors of 1464 and 1468 Bankfield Road are as follows:

- The floors were finished with a combination of ceramic, vinyl tiling, laminate flooring and poured concrete (basement).
- The walls and ceilings consisted of some hard plaster and drywall.
- Lighting throughout the building was provided by incandescent light fixtures.

The buildings are heated by furnace oil fired equipment. No sump pits were noted in either dwelling at the time of the site visit. Clean floor drains were noted in the basements of the dwellings at the time of the site visit.

An above ground storage tank with an above ground line was noted in the basement of 1468 Bankfield Road. No staining or odours were noted at the time of the site visit.

Chemicals stored on-site included paints and house-hold cleaning products, all of which were properly stored in labelled containers. No concerns were noted with the interior of the subject building at the time of the site visit.

A general assessment of the residential dwelling interiors at 5479 and 5485 Elijah Court are as follows:

- The floors were finished with a combination of ceramic, vinyl tiling, hardwood and laminate flooring and poured concrete (basement).
- The walls and ceilings consisted of drywall.
- Lighting throughout the building was provided by incandescent light fixtures.

Both dwellings are heated by propane fired furnaces with electrical baseboards used as a secondary heat source. A sump pit containing some water was noted inside of 5485 Elijah Court. No visible sheen or odour was noted at the time of the site visit. No sump pits were noted inside of 5479 Elijah Court at the time of the site visits. Clean floor drains were noted in the furnace rooms and laundry rooms in both dwellings at the time of the site visits. Chemicals stored on-site included paints and house-hold cleaning products, all of which were properly stored in labelled containers at 5479 Elijah Court, while the interior of 5485 Elijah Court was completely vacant. No signs of an AST or UST were noted at the time of the site visits. No staining or odours were noted at the time of the site visits. No concerns were noted with the interior of the subject buildings at the time of the site visits.

Neighbouring Properties

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site inspection.

Land use adjacent to the Phase I Property was as follows:

- North – Bankfield Road, followed by residential;
- South – Undeveloped treed lands;
- East – Undeveloped treed lands and agricultural fields;
- West – Elijah Court and Prince of Wales Drive, followed by agricultural lands.

No off-site PCAs were identified with the present use of the neighbouring properties. The surrounding land use within the study area is shown on Drawing PE5397-2R – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The Phase I Property which includes the properties addressed 1450, 1454, 1458, 1464 and 1468 Bankfield Road, and 5479 and 5485 Elijah Court, was first developed for residential purposes and remained as residential properties with some commercial uses, specifically at 1454 and 1464 Bankfield Road.

In 1997, Rooney's Garage began its commercial operation at 1464 Bankfield Road and has remained in operation since, while the remaining land had always been used for residential purposes.

In 2011, the southern portion of 1454 Bankfield Road was used to operate a commercial business that rented and serviced small non-road equipment.

Based on the historical and current land uses of the Phase I Property, four (4) potentially contaminating activities (PCAs) were considered to have resulted in four (4) areas of potential environmental concern (APECs) on the Phase I Property.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Table 2 of the O.Reg. 153/04, as amended, the following PCAs that generated APECs on the Phase I Property are:

- PCA 28 – "Gasoline and Associated Products Storage in Fixed Tanks" associated with two (2) exterior waste oil totes at 1464 Bankfield Road (APEC 1).
- PCA 30 – "Importation of Fill Material of Unknown Quality," associated with importation of fill material on the southcentral portion of the site in 1990-1991 (APEC 2).
- PCA 52 – "Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems," associated with the presence of an automotive repair garage at 1464 Bankfield Road (APEC 3).
- PCA 52 – "Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems," associated with the presence of and small equipment rental and repair company on the southern (rear) end of 1454 Bankfield Road (APEC 4).

The APECs are shown on Drawing PE5397-1R–Site Plan, while the corresponding PCAs are shown in red on Drawing PE5397-2R–Surrounding Land Use Plan.

Contaminants of Potential Concern

Based on the APECs identified on the Phase I Property, the contaminants of potential concern (CPCs) are:

- ❒ Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX);
- ❒ Petroleum Hydrocarbons (PHCs, F1-F4);
- ❒ Polycyclic Aromatic Hydrocarbons (PAHs); and
- ❒ Metals.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on information from the Geological Survey of Canada mapping, drift thickness in the area of the Phase I Property is on the order of 15 to 25m across the site. The overburden consists of glaciofluvial deposits. Bedrock in the area consists of dolomite of the Oxford Formation.

Subsurface Services and Utilities

The Phase I Property is situated in an area where private services (potable water wells and septic systems) are relied upon. Other utilities and/or structures include electricity entering from Bankfield Road. There is no use of natural gas on the Phase I Property.

Fill Material

Based on the historical review, fill material of unknown quality was imported onto the southcentral portion of the Phase I Property in 1990-1991.

Existing Buildings and Structures

1450 Bankfield Road is occupied by a single-storey residential dwelling and private garage. The dwelling was constructed in the early 1970s with a concrete block foundation and is heated by a propane fired furnace. The exterior of the dwelling is finished in vinyl siding and a sloped shingle style roof, while the private shed is finished in vinyl siding and a shingle style roof. The private shed is used to store lawn care equipment and a hobby car.

1454 Bankfield Road is occupied by a single-storey residential dwelling with a private garage and shed. The dwelling was constructed in the early 1970s with a concrete block foundation and heated by a propane fired furnace. The exterior of the dwelling is finished in red brick with a sloped shingle style roof, while the private shed and garage are both finished in vinyl siding with shingle covered roofs. The garage is constructed with a slab-on-grade concrete floor, which has been used to store equipment and tools, while lawn maintenance equipment and tools were stored in the private wooden shed. The south end of the property is occupied by a temporary workspace/garage, which was built using sheet metal cover, supported by in-ground 4x4 pressure treated wood columns and an above ground hoist. No signs of staining or sources of contamination were noted in the area of the make-shift workspace/garage. However, based on the presence of this make-shift garage, and given that small engine services have been conducted on-site, it represents an APEC.

1458 Bankfield Road is occupied by a single-storey residential dwelling and private garage. The dwelling was constructed in 1970 with a concrete block foundation and heated by a propane fired furnace. The exterior of the dwelling is finished in vinyl siding with a sloped shingle style roof. The private garage was constructed with a slab-on-grade foundation, while the building is finished in vinyl siding. The shed is currently used to store small recreational motor vehicles.

1464 Bankfield Road is occupied by a 2-storey residential dwelling, a shed, and a commercial automotive garage. The residential dwelling was constructed in 1964 with a concrete block foundation. The exterior is finished in red brick with a sloped shingle style roof. The commercial garage at 1464 Bankfield Road was constructed in 1997 with a slab-on-grade concrete foundation and concrete block walls with a flat style roof. The dwelling and garage are heated by electrical baseboard heaters and ceiling suspended (electric) furnace, respectively.

1468 Bankfield Road is occupied by a 2-storey residential dwelling and private garage. The dwelling was constructed in 1952 with a concrete block foundation, vinyl exterior and a sloped shingle style roof. The residence is heated by furnace oil.

The properties addressed 5479 and 5485 Elijah Court are occupied by single-storey residential dwellings with a single basement level, and private garages. The dwellings were constructed circa 1960 with concrete block foundations. The dwelling at 5479 Elijah Court is finished in an aggregate-mixed glass stucco and a sloped shingled style roof. The private garage was constructed with a slab-on-grade foundation and wooden structure with a shingled cover roof.

The residential dwelling at 5485 Elijah Court is constructed with a concrete block foundation, finished in vinyl siding exterior and a sloped shingled style roof.

The private garage is a slab-on-grade structure, also finished in vinyl siding with a sloped shingled roof.

Drinking Water Wells

The Phase I Property is situated in an area where potable water wells are relied upon. Each parcel/property is equipped with a private drinking water well. Based on the well records, the wells were drilled between 1952 to 1962 to depths ranging from 18 to 38 m below the existing ground surface.

Areas of Natural Significance and Water Bodies

No areas of natural significance or natural water bodies were identified in the Phase I Study Area.

Neighbouring Land Use

Neighbouring land use in the Phase I study area consists primarily of residential. Land use is shown on Drawing PE5397-2R – Surrounding Land Use Plan.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, four (4) PCAs and the resultant APECs are summarized in Table 1, along with their respective locations and contaminants of potential concern (CPCs).

Table 1: Potentially Contaminating Activities and Areas of Potential Environmental Concern

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil, and/or Sediment)
APEC 1: Resulting from the presence of two (2) exterior waste oil totes associated the service garage at 1464 Bankfield Road	Central north portion of the Phase I Property	PCA – Gasoline and Associated Products Storage in Fixed Tanks	On-site	BTEX PHCs (F_1-F_4)	Soil and groundwater

Table 1: Potentially Contaminating Activities and Areas of Potential Environmental Concern

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil, and/or Sediment)
APEC 2: Resulting from fill material of unknown quality	Southcentral portion of the Phase I Property	PCA 30 – Importation of Fill Material of Unknown Quality	On-site	Metals PAHs	Soil
APEC 3: Resulting from the presence of a service garage at 1464 Bankfield Road	Northeastern portion of the Phase I Property	PCA 52 – Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems	On-site	BTEX PHCs (F_1-F_4)	Soil and Groundwater
APEC 4: Resulting from the presence of a service small service garage Bankfield Road	Eastern portion of the Phase I Property	PCA 52 – Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems	On-site	BTEX PHCs (F_1-F_4)	Soil and Groundwater

Contaminants of Potential Concern

As per Section 7.1, the contaminants of potential concern (CPCs) in soil and/or groundwater include benzene, toluene, ethylbenzene, and xylenes (BTEX), petroleum hydrocarbons (PHCs, F1-F4), polycyclic aromatic hydrocarbons (PAHs) and metals.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of the Phase I-ESA is considered to be sufficient to conclude that there are PCAs that have resulted in APECs on the Phase I Property.

A variety of independent sources were consulted as part of this assessment, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSIONS

8.1 Assessment

Paterson Group was retained by Myers Automotive Group (Myers), to conduct a Phase I Environmental Site Assessment (ESA) for the properties at 1450, 1454, 1458, 1464 and 1468 Bankfield Road, and 5479 and 5485 Elijah Court, in the City of Ottawa, Ontario. The purpose of this Phase I-Environmental Site Assessment (Phase I-ESA) was to research the past and current use of the site and study area to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property was first developed in 1952 for residential purposes. The property at 1464 Bankfield Road constructed a small automotive repair garage on the western side of the residence, circa 1997. The vacant part of the property, central and southern portions of 1464 Bankfield was also used as a sand and gravel pit in 1990/1991. Following this activity, granular fill was imported onto the site. The automotive garage operation and importation of fill material at 1464 Bankfield Road are potentially contaminating activities (PCAs) that represent areas of potential environmental concern (APECs).

A review of the historical information indicated that the surrounding lands have been used primarily for residential purposes with some agricultural land uses. No historical off-site PCAs were identified on properties within the Phase I Study Area.

Following the historical research, site visits were conducted to assess the current use of the Phase I Property and the Phase I Study Area. Based on the site visit, the Phase I Property currently consists of residential properties and mixed-used properties.

The residential properties of the Phase I Property, specifically 1450, 1458 and 1468 Bankfield Road, and 5479 and 5485 Elijah Court are occupied by the original 1950s to 1970s residential dwellings. No PCAs were identified with the current use of these properties.

The mixed-used properties, 1454 and 1464 Bankfield Road operate as service garages for small non-road vehicles (i.e., backhoe) and automobiles, respectively. 1454 Bankfield Road consists of a temporary or make-shift service area on the south end of the property that has been in operation since 2011.

The work area is constructed with in-ground wood supports with a sheet metal covering and a set of above-grounds hoists to perform minor repairs/services such as lubricant and engine oil changes.

The automotive repair garage is situated on the eastern side of 1464 Bankfield Road and has been in operation since 1997. The garage consists of 2 sets of above ground electric hoists. No oil-water separators were noted on-site, although two 2 waste oil totes were noted on the exterior of the property. Some staining in the immediate area of the totes was noted at the time of the site visit.

The current use of the commercial portions of 1454 and 1464 Bankfield Road, as well as the 2 waste oil totes, are considered to results in APECs.

Surrounding lands consist primarily of residential and agricultural use. No off-site PCAs were identified with the current use of the Phase I Study Area.

8.2 Recommendations

Based on the findings of the assessment, **it is our opinion that a Phase II-Environmental Site Assessment is required for the Phase I Property.**

It is our understanding that the Phase I Property will be redeveloped in the future for commercial purposes. A designated substance survey (DSS) must be conducted prior to demolition of the existing buildings in accordance with Ontario Regulation 490/09, under the Occupational Health and Safety Act, prior to the disturbance of any designated substances.

If the domestic wells on-site are not going to be used in the future, they should be abandoned according to Ontario Regulation 903.

9.0 STATEMENT OF LIMITATIONS

This Phase I - Environmental Site Assessment report has been prepared by a qualified person, in general accordance with O.Reg. 153/04 as amended by O.Reg. 269/11, and meets the requirements of CSA Z768-01, reaffirmed 2022. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

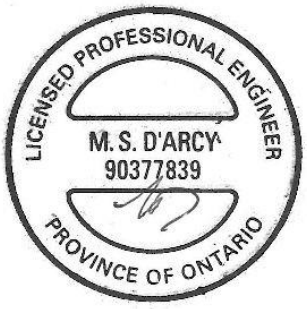
Should any conditions be encountered at the Phase I Property and/or historical information that differ from our findings, we request that we be notified immediately in order to allow for a reassessment.

This report was prepared for the sole use of the Myers Automotive Group. Permission and notification from Myers Automotive Group and Paterson will be required to release this report to any other party.

Paterson Group Inc.

Mandy Witteman, M.A.Sc., P.Eng.

Mark S. D'Arcy, P.Eng., QP$_{ESA}$



Report Distribution:

- Myers Automotive Group (1 copy)
- Paterson Group (1 copy)

10.0 REFERENCES

Federal Records
Air photos at the Energy Mines and Resources Air Photo Library.
National Archives.
Maps and photographs (Geological Survey of Canada surficial and subsurface mapping).
Natural Resources Canada – The Atlas of Canada.
Environment Canada, National Pollutant Release Inventory.
PCB Waste Storage Site Inventory.

Provincial Records
MECP Freedom of Information and Privacy Office.
MECP Municipal Coal Gasification Plant Site Inventory, 1991.
MECP document titled “Waste Disposal Site Inventory in Ontario”.
MECP Brownfields Environmental Site Registry.
Office of Technical Standards and Safety Authority, Fuels Safety Branch.
MNR Areas of Natural Significance.
MECP Water Well Inventory.

Municipal Records
City of Ottawa Document “Old Landfill Management Strategy, Phase I - Identification of Sites.”, prepared by Golder Associates, 2004.
City of Ottawa Historical Land Use Inventory (HLUI) database
The City of Ottawa eMap website.

Local Information Sources
Chain of Title obtained through Read Abstracts Limited, February 2014.
Current Plan of Survey, prepared by Webster & Simmonds Surveying Ltd. (2004)
Personal Interviews.
Previous Engineering Reports

Public Information Sources
Google Earth.
Google Maps/Street View.

Private Information Sources
ERIS Report.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE5397-1R – SITE PLAN

DRAWING PE5397-2R – SURROUNDING LAND USE PLAN

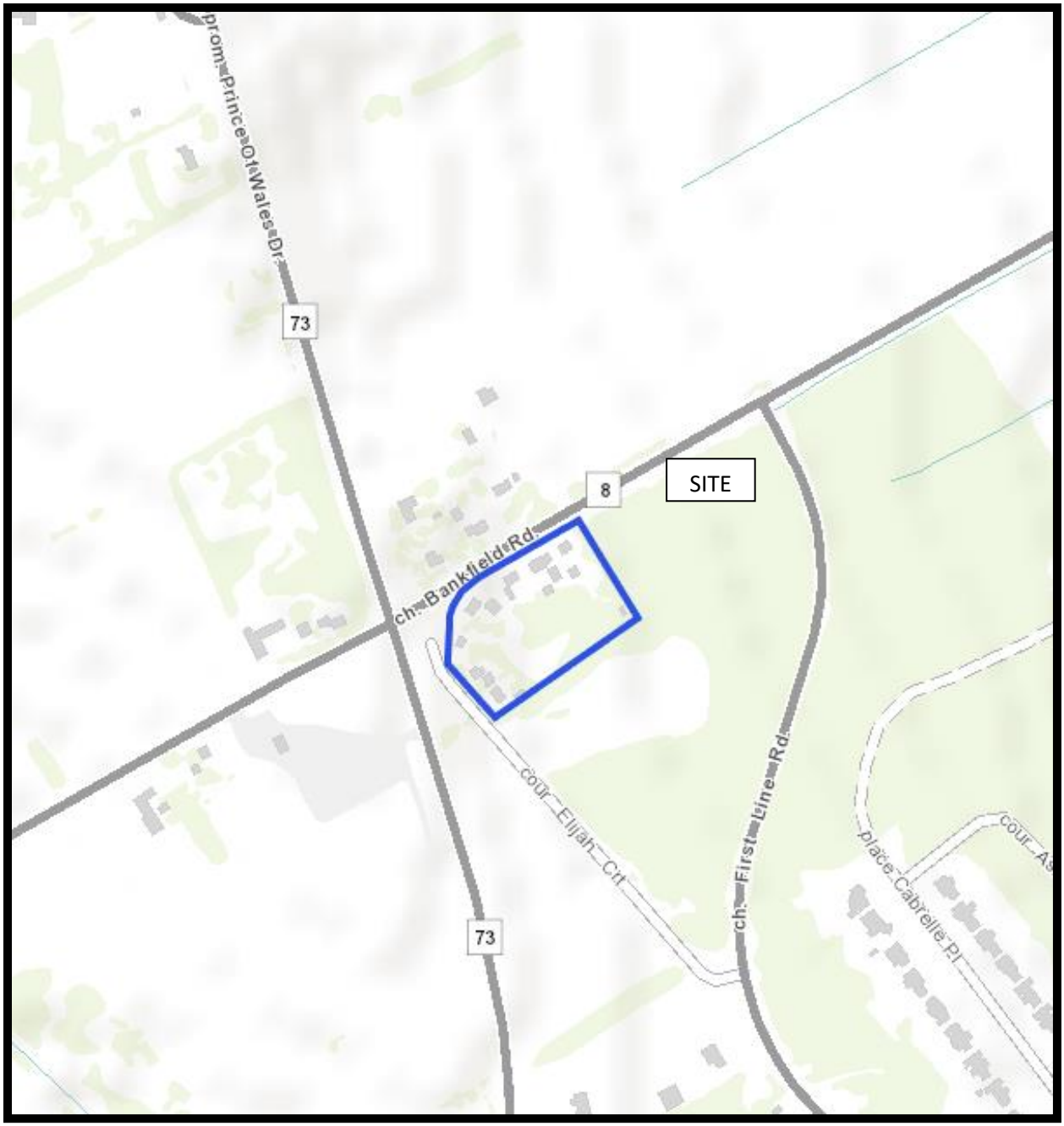


FIGURE 1

KEY PLAN

PATERSON GROUP

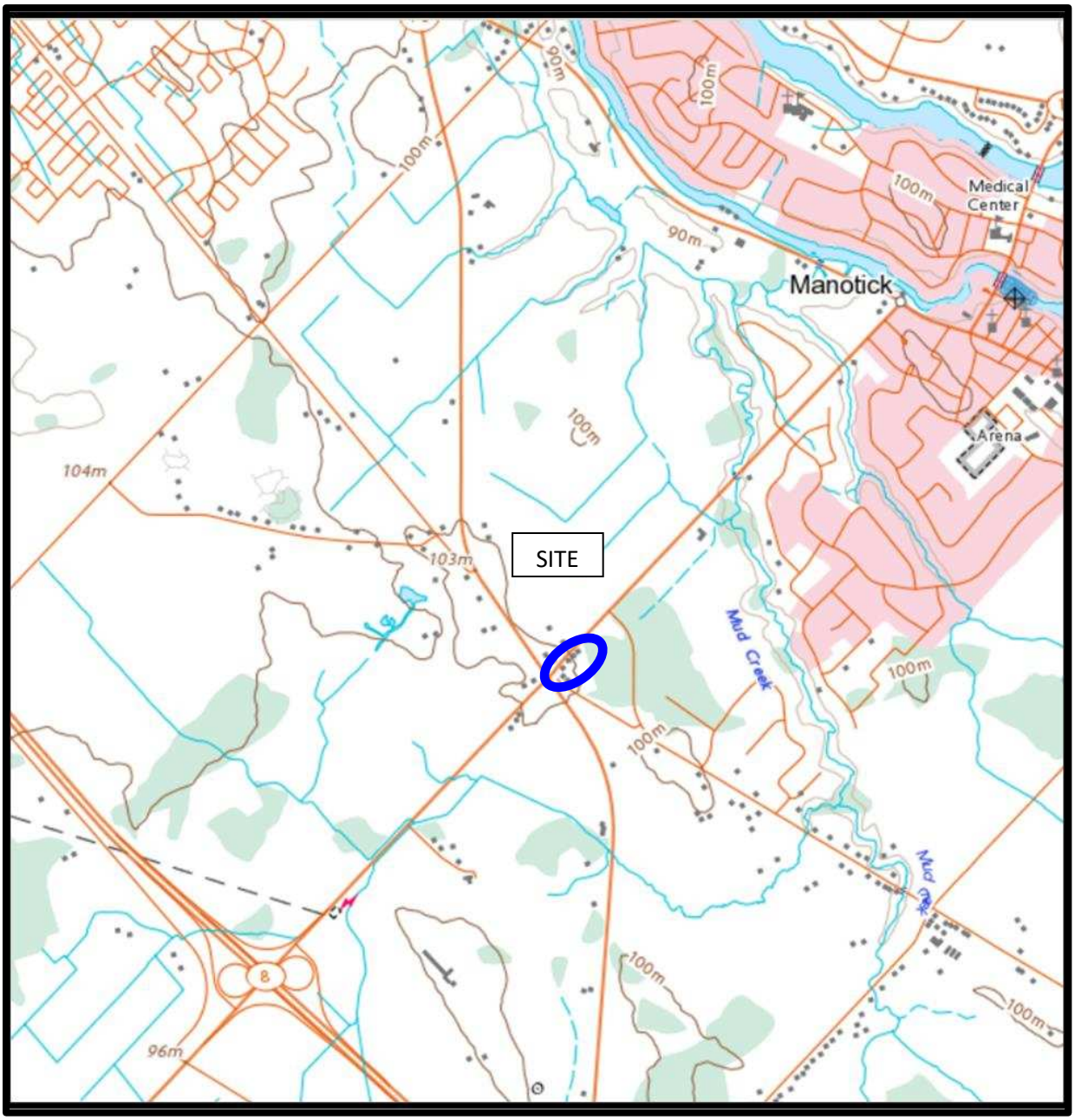
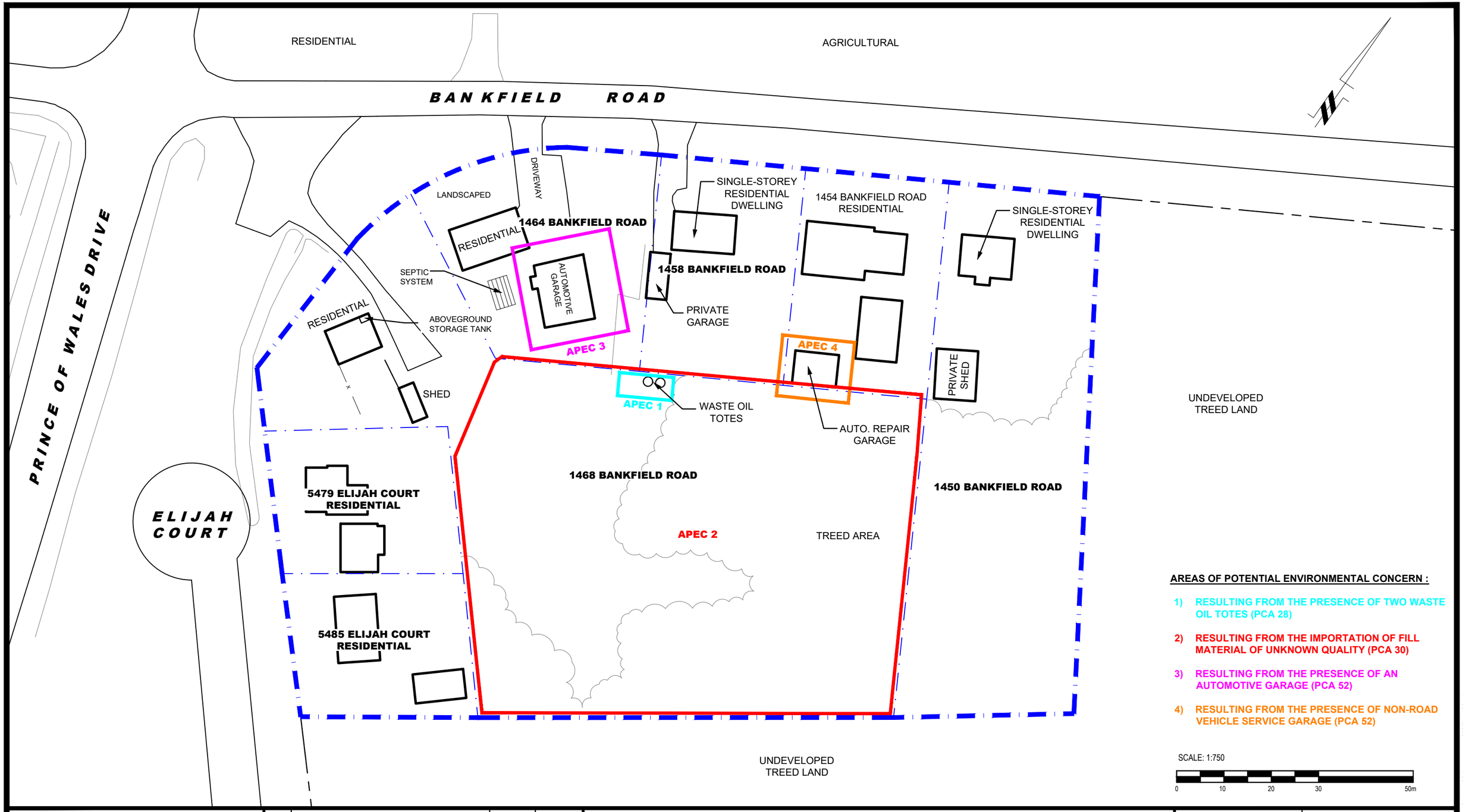


FIGURE 2

TOPOGRAPHIC MAP



AREAS OF POTENTIAL ENVIRONMENTAL CONCERN :

1) RESULTING FROM THE PRESENCE OF TWO WASTE OIL TOTES (PCA 28)
2) RESULTING FROM THE IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY (PCA 30)
3) RESULTING FROM THE PRESENCE OF AN AUTOMOTIVE GARAGE (PCA 52)
4) RESULTING FROM THE PRESENCE OF NON-ROAD VEHICLE SERVICE GARAGE (PCA 52)

SCALE: 1:750

0 10 20 30 50m

PATERSON GROUP
9 AURIGA DRIVE
OTTAWA, ON
K2E 7T9
TEL: (613) 226-7381

NO.	REVISIONS	DATE	INITIAL

MYERS AUTOMOTIVE GROUP

PHASE I - ENVIRONMENTAL SITE ASSESSMENT

1450, 1454, 1458, 1464, 1468 BANKFIELD ROAD, & 5479 & 5485 ELIJAH COURT

OTTAWA, ONTARIO

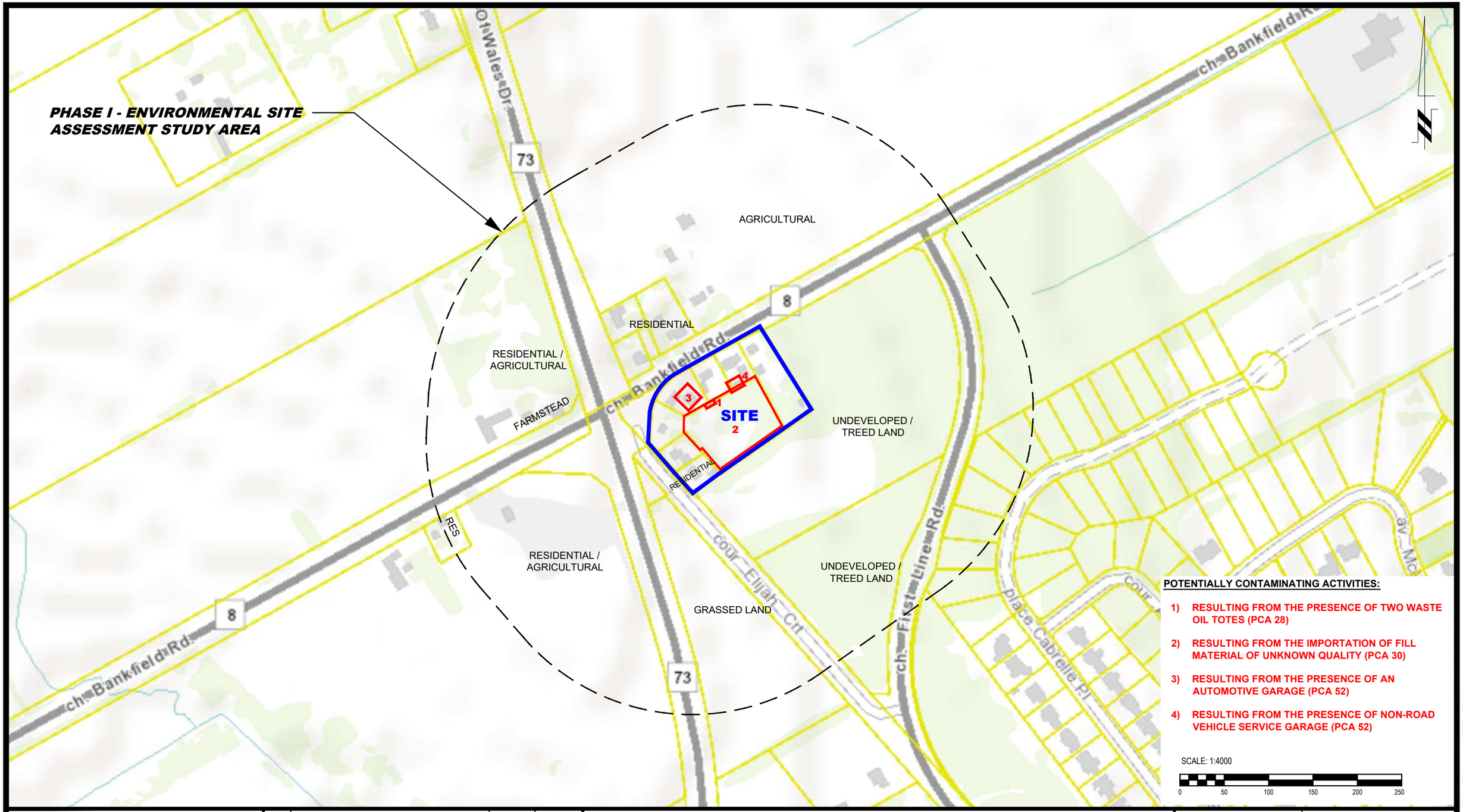
Title:

SITE PLAN

Scale: 1:750	Date: 10/2022
Drawn by: YA	Report No.: PE5397-1R2
Checked by: MW	Dwg. No.: PE5397-1R
Approved by: MSD	Revision No.:

p:\autocad drawings\environmental\pe53xx\pe5397\september 2022\pe5397-1r site plan.dwg

11x17



POTENTIALLY CONTAMINATING ACTIVITIES:

1) RESULTING FROM THE PRESENCE OF TWO WASTE OIL TOTES (PCA 28)
2) RESULTING FROM THE IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY (PCA 30)
3) RESULTING FROM THE PRESENCE OF AN AUTOMOTIVE GARAGE (PCA 52)
4) RESULTING FROM THE PRESENCE OF NON-ROAD VEHICLE SERVICE GARAGE (PCA 52)

SCALE: 1:4000

0 50 100 150 200 250

PATERSON GROUP
9 AURIGA DRIVE
OTTAWA, ON
K2E 7T9
TEL: (613) 226-7381

NO.	REVISIONS	DATE	INITIAL

MYERS AUTOMOTIVE GROUP

PHASE I - ENVIRONMENTAL SITE ASSESSMENT

1450, 1454, 1458, 1464, 1468 BANKFIELD ROAD, & 5479 & 5485 ELIJAH COURT

OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale: 1:4000	Date: 10/2022
Drawn by: YA	Report No.: PE5397-1R2
Checked by: MW	Dwg. No.: PE5397-2R
Approved by: MSD	Revision No.:

11x17

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APPENDIX 1

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

AERIAL PHOTOGRAPH
1965

PATERSON GROUP

AERIAL PHOTOGRAPH
1976

PATERSON GROUP

AERIAL PHOTOGRAPH
1991

PATERSON GROUP

AERIAL PHOTOGRAPH
2002

PATERSON GROUP

AERIAL PHOTOGRAPH
2011

PATERSON GROUP

AERIAL PHOTOGRAPH
2021

PATERSON GROUP

Site Photographs

PE5397 November 24, 2022

1450, 1454, 1458, 1464 and 1468 Bankfield Road, and 5479 and 5485 Elijah Court, Ottawa ON

Photograph 1: View of 1468 Bankfield Road, situated on the western side of the Phase I Property.

Photograph 2: View of the residential dwelling at 1464 Bankfield Road.

Photograph 3: View of the northwestern end of the Phase I Property, looking at Prince of Wales Drive at Bankfield Road.

Photograph 4: View of the laneway leading the southern end of the Phase I Property from 1464 Bankfield Road.

Photograph 5: View of the Rooney's Garage on the commercial portion of 1464 Bankfield Road.

Photograph 6: View of the residential dwelling at 1458 Bankfield Road.

Site Photographs

PE5397 November 24, 2022

1450, 1454, 1458, 1464 and 1468 Bankfield Road, and 5479 and 5485 Elijah Court, Ottawa ON

Photograph 7: View of the eastern portion of the Phase I Property at 1450 Bankfield Road.

Photograph 8: View of the eastern portion of the Phase I Property at 1450 Bankfield Road.

Photograph 9: View of the residential dwelling at 1454 Bankfield Road, taken from Bankfield Road.

Photograph 10: View of the driveway at 1454 Bankfield Road.

Photograph 11: View of the backyard of 1454 Bankfield Road.

Photograph 12: View of the backyard of 1454 Bankfield Road.

Photograph 13: View of the temporary/mobile service garage with above ground hoists at 1454 Bankfield Road.

Photograph 14: View of the residential dwelling at 5479 Elijah Court.

Photograph 15: View of the backyard at 5479 Elijah Court.

Photograph 16: View of the private garage/shed at 5479 Elijah Court.

Photograph 17: View of the western side of 5485 Elijah Court, looking east.

Photograph 18: View of the eastern side of 5485 Elijah Court, looking south.

APPENDIX 2

MECP FREEDOM OF INFORMATION RESPONSE

MECP WELL RECORDS

TSSA CORRESPONDENCE

CITY OF OTTAWA HLUI SEARCH RESULTS

ERIS REPORT

Ministry of the Environment, Conservation and Parks

Access and Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

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

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

December 13, 2021

Mandy Witteman
Paterson Group Inc.
154 Colonnade Road
Ottawa, ON K2E 7J5

Dear Mandy Witteman:

RE: ***Freedom of Information and Protection of Privacy Act*** **Request**
Our File # A-2021-03843, Your Reference PE5397

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 1464 and 1468 Bankfield Road, Kars.

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. **This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Dany Briollais at 416-319-7739 or dany.briollais@ontario.ca.

Yours truly,

Noel Kent
Manager, Access and Privacy

Ontario

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue (https://data.ontario.ca/dataset/well-records).

Go Back to Map ()

Well ID

Well ID Number: 1506582
Well Audit Number:
Well Tag Number:
This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	
Township	NORTH GOWER TOWNSHIP
Lot	001
Concession	CON A
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 443855.70 Northing: 5007407.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

	GRVL	STNS	0 ft	20 ft
YLLW	MSND		20 ft	91 ft
	SHLE		91 ft	99 ft

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed

Method of Construction & Well Use

Method of Construction	Well Use
Cable Tool	
	Domestic

Status of Well

Water Supply

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
3 inch	STEEL		91 ft
3 inch	OPEN HOLE		99 ft

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1603

Results of Well Yield Testing

After test of well yield, water was	CLEAR
If pumping discontinued, give reason	
Pump intake set at	
Pumping Rate	7 GPM

Duration of Pumping	2 h:0 m
Final water level	28 ft
If flowing give rate	
Recommended pump depth	22 ft
Recommended pump rate	3 GPM
Well Production	PUMP
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL	22 ft		
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind
99 ft	Fresh

Hole Diameter

Depth From	Depth To	Diameter

Audit Number:

Date Well Completed: April 27, 1959

Date Well Record Received by MOE: June 05, 1959

Updated: July 21, 2021
Published: April 16, 2021

Related

How to use a Ministry of the Environment map (/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

3IG 49

UTM 18 z 4 4 3 8 0 0 E

9 R 5 0 0 7 2 6 0 N

Elev. 9 R 0 3 3 0

Rideau Front

Basin 25 - 17

Lot - 1.

15 No. 5883

RECEIVED AUG 6 1954 GEOLOGICAL BRANCH DEPARTMENT of MINES

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

Water Well Record

[redacted] ip, ~~Village, Town or City~~ Nepean

Town or City)

ss. City View

Date Completed June 11 / 54 (day) (month) (year) Cost of Well (excluding pump)

Pipe and Casing Record	Pumping Test
Casing diameter(s) 5"	Date June 11
Length(s) of casing(s) 70'	Static level 30'
Type of screen	Pumping level 30'
Length of screen	Pumping rate 300 GPH
Distance from top of screen to ground level	Duration of test 1 hr
Is well a gravel-wall type?	Distance from cylinder or bowls to ground level

Water Record

Kind (fresh or mineral) fresh

Quality (hard, soft, contains iron, sulphur, etc.) hard

Appearance (clear, cloudy, coloured) clear

For what purpose(s) is the water to be used? residential

How far is well from possible source of contamination? 40'

What is the source of contamination? septic

Enclose a copy of any mineral analysis that has been made of water

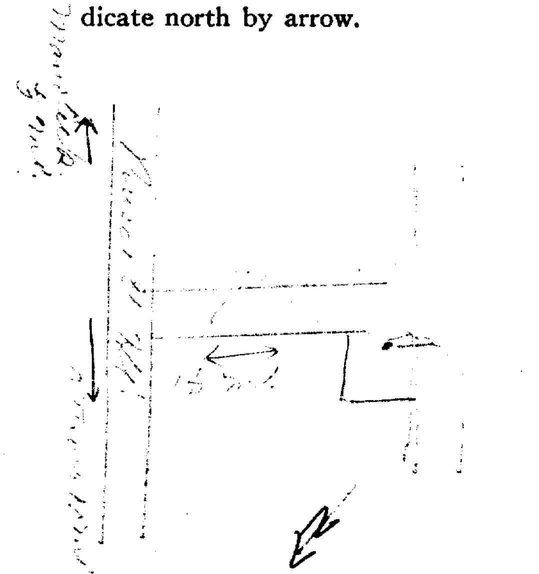
Depth(s) to Water Horizon(s)	Kind of Water	No. of F Water R
70'	good	40'

Well Log

Overburden and Bedrock Record	From	To
	0 ft.	...ft.
Clay	1'	60'
gravel	60'	70'

Location of Well

In diagram below show distan well from road and lot line. dicate north by arrow.



Situation: Is well on upland, in valley, or on hillside? hillside

Drilling Firm M. Meagher

Address B. Hannahts

Name of Driller M. Meagher Address

Date June 12 / 54 Licence Number 171

M. Meagher

Signature of Licensee

Form 5

UTM 18 (Z) 4431750 E

5 R 5007300 N

Elev. 4 R 0330

Basin 25 L[illegible]

Con II

lot 1

31G 49

ONTARIO

15 № 5884

The Water-well Drillers Act, 1954

Department of Mines

Water-Well Record

County or Territorial District Carleton Township, ~~Village, Town or City~~ Nepean

[redacted] Village, Town or City)

Address 9 Balsam St Ottawa

(day) (month) (year)

Pipe and Casing Record

Casing diameter(s) 4" well

Length(s) 65' of 4" with 9' of 5" at rock

Type of screen nil

Length of screen

Pumping Test

Static level 22'

Pumping rate 360 GPH.

Pumping level 25'

Duration of test ½ hour

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
Clay	0'	38'			
Boulder	38'	60'			
Gravel	60'	80'	80'	58'	fresh

For what purpose(s) is the water to be used? Domestic

Is water clear or cloudy? clear

Is well on upland, in valley, or on hillside? Upland

Drilling firm Blair Phillips

Address 1119 Falaise Rd Ottawa 5 Ont

Name of Driller Leo Vachon

Address Montreal Rd Ottawa 5 Ont

Licence Number 1209

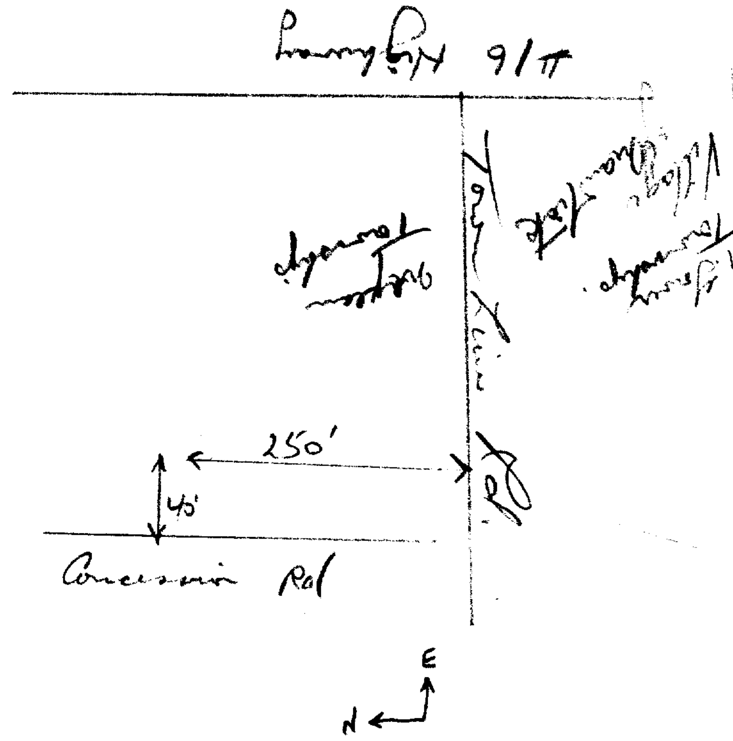
I certify that the foregoing statements of fact are true.

Date 15 March 57 J Y Vachon

Signature of Licensee

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 5

UTM | 18 | Z | 4413717 | 10 | E
| 5 | R | 5010172510 | N
Elev. | 14 | R | 03301
Basin | 25 |

JIG 4g

ONTARIO

The Water-well Drillers Act, 1954
Department of Mines

15 No 5885

GROUND WATER BRANCH
DEC 16 1957
ONTARIO WATER RESOURCES COMMISSION

Water-Well Record

[redacted] ...ip, Village, Town or City ...NEPEAN
...n Village, Town or City) .....
...Address ...MANOTICK

Date completed ...1... (day) ...SEPT... (month) ...1957... (year)

Pipe and Casing Record

Casing diameter(s) ...5"...
Length(s) ...38'...
Type of screen ...NONE...
Length of screen .....

Pumping Test

Static level ...40'...
Pumping rate ...400 G.P.H....
Pumping level ...50'...
Duration of test ...1 HOUR...

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
BOULDERS + HARD PAN	0	32	50	30	FRESH
HARD GREY LIMESTONE	32	89	89	49	"

Water Record

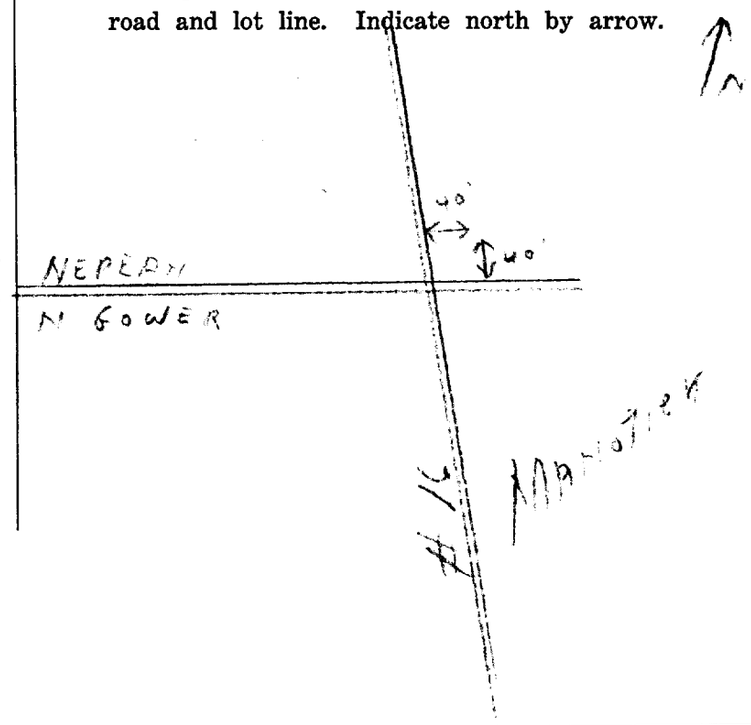
For what purpose(s) is the water to be used?
...HOUSE...
Is water clear or cloudy? ...CLEAR...
Is well on upland, in valley, or on hillside? ...UPLAND...
.....
Drilling firm ...MAHONEY...
Address ...51 McEWAN AVE OTTAWA...
.....
Name of Driller ...W. GUAY...
Address .....
.....
Licence Number.....

I certify that the foregoing statements of fact are true.

Date ...Sept 1/57... ...W. D. Mahoney...
Signature of Licensee

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 5

UTM 18 Z 4 4 3 8 0 0 E
9 R 5 0 0 7 2 1 0 N
Elev. 9 R 0 3 3 0
Basin 25

31G49

ONTARIO

The Water-well Drillers Act, 1954
Department of Mines

15 No. 6574

Water-Well Record

BW

County or Territorial District Carleton Township, ~~Village, Town or City~~ North Gower

[redacted] Village, Town or City) ....
[redacted] Address Manotick

(day) (month) (year)

Pipe and Casing Record		Pumping Test	
Casing diameter(s)	5"	Static level	15'
Length(s)		Pumping rate	200 G.P.H.
Type of screen		Pumping level	~~200 G.P.H.~~ 22'
Length of screen		Duration of test	1 h.

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
Clay	1'	22'			
Sand	22'	50'			
gravel	50'	60'			
			60'	45'	fresh

For what purpose(s) is the water to be used? Residential

Is water clear or cloudy? clear

Is well on upland, in valley, or on hillside? hill side

Drilling firm M. Meagher

Address 639 Ravenswood Ave

Name of Driller M. Meagher

Address ....

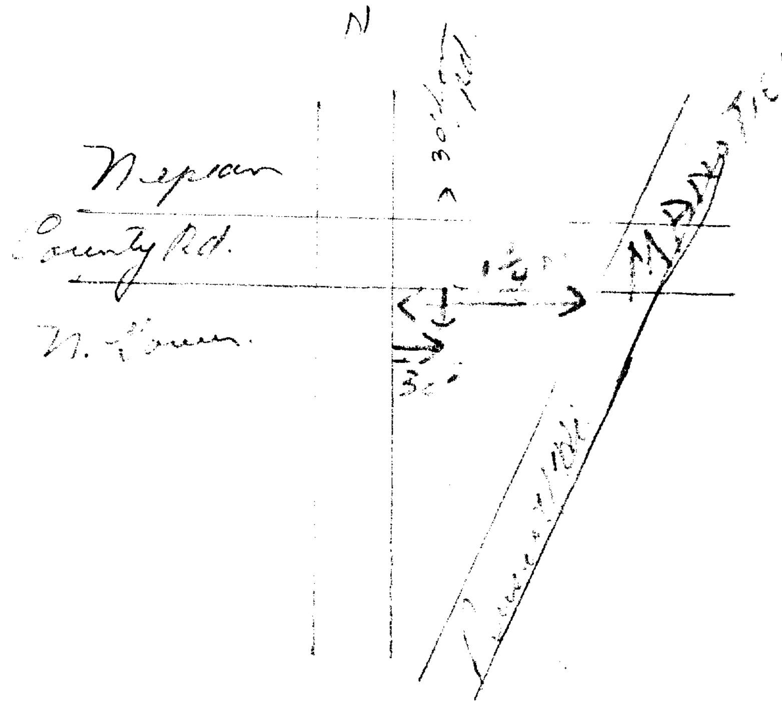
Licence Number 171

I certify that the foregoing statements of fact are true.

Date Feb 4 M. Meagher
Signature of Licensee

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 5

UTM 0/1/8 Z 4/4/3/8/3/0 E 31G4g

1/9 R 5/0/0/7/2/2/0 N

Elev. 1/9 R 0/3/3/0

Basin 2/5

ONTARIO

RECEIVED 15 No. 5575

The Water-well Drillers Act, 1954

Department of Mines

Water-Well Record

County or Territorial District Carleton Township, ~~Village, Town or City~~ North Gower

[redacted] Village, Town or City)

[redacted] Address Manotick

(day) (month) (year)

Pipe and Casing Record		Pumping Test	
Casing diameter(s)	5"	Static level	10'
Length(s)		Pumping rate	225 G.P.H.
Type of screen		Pumping level	15'
Length of screen		Duration of test	1 h.

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
Clay	1	20'			
Sand	20'	45"			
Gravel	45"	55"			
			55"	45"	fresh.

For what purpose(s) is the water to be used? Residential

Is water clear or cloudy? clear

Is well on upland, in valley, or on hillside? hillside

Drilling firm M. Meagher

Address 639 Rowanwood Ave.

Name of Driller M. Meagher

Address

Licence Number 191

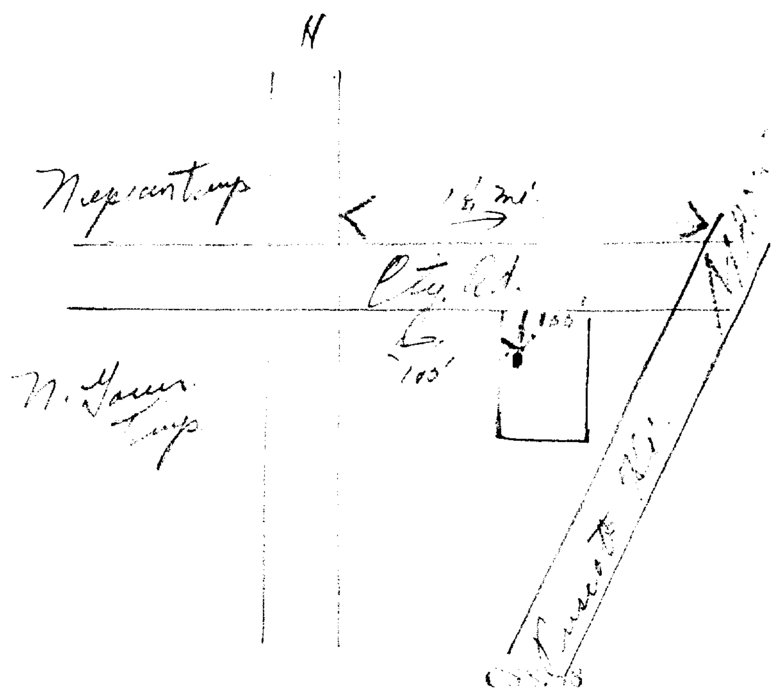
I certify that the foregoing statements of fact are true.

Date Feb 17 M. Meagher.

Signature of Licensee

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 5

UTM 1 8 Z 4 4 3 8 4 0 E
9 R 5 0 0 7 1 7 0 N
Elev. 9 0 3 3 0
Basin 25 A
LOT 1

31G4g

ONTARIO

The Water-well Drillers Act, 1954
Department of Mines

Water-Well Record

County or Territorial District: Carleton Township, Village, Town or City: N. Gower

[redacted] in Village, Town or City) ....
Address: Kars Ont

(day) (month) (year)

Pipe and Casing Record		Pumping Test	
Casing diameter(s)	3"	Static level	23
Length(s)	77 ft	Pumping rate	500 G.P.H
Type of screen		Pumping level	30 ft
Length of screen	Non	Duration of test	4 hrs

Well Log / **Water Record**

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
Bolders & sand	0	10	86	63	Fresh
Sand	10	75			
Broken lime stone	75	86			

For what purpose(s) is the water to be used? House

Is water clear or cloudy? ✓ (clear)

Is well on upland, in valley, or on hillside? ✓ (hillside)

Drilling firm: F.R. Cassette
Address: 1652 BASELINE RD
OTTAWA 5 ONT.

Name of Driller ....
Address: SAME

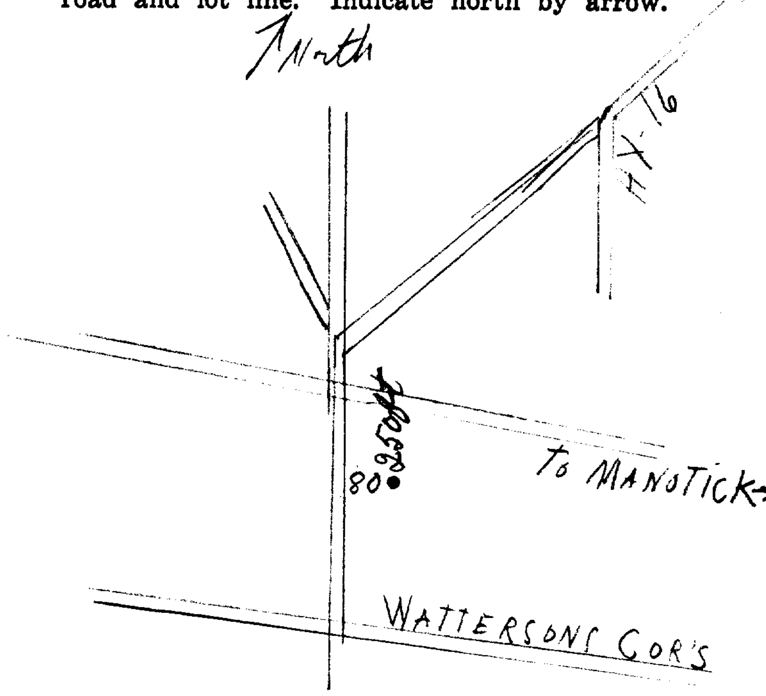
Licence Number: 395

I certify that the foregoing statements of fact are true.

Date: Oct 23/58 F.R. Cassette
Signature of Licensee

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 5

31G49

UTM 18 Z 414318010 E
15 R 5010172110 N

Elev. 5 - 03310

Basin 25

The Ontario Water Resources Commission Act, 1957

15 No. 6585

GROUND WATER BRANCH
JUN 27 1960
ONTARIO WATER RESOURCES COMMISSION

WATER WELL RECORD

County or District Carleton
Township, Village, Town or City N. Gower
Con. A Lot 1
Date completed June 13/60 (day month year)
[redacted]ress

Casing and Screen Record

Inside diameter of casing 3"
Total length of casing 46'
Type of screen
Length of screen NONE
Depth to top of screen
Diameter of finished hole 3'

Pumping Test

Static level [redacted] 22'
Test-pumping rate 5 GPM G.P.M.
Pumping level 35'
Duration of test pumping 2 hrs
Water clear or cloudy at end of test Clear
Recommended pumping rate 5 GPM G.P.M.
with pumping level of 35'

Well Log

Overburden and Bedrock Record	From ft.	To ft.
Clay Boulders	0	20
Gravel Boulders	20	46

Water Record

Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
45	23	fresh

For what purpose(s) is the water to be used? Household

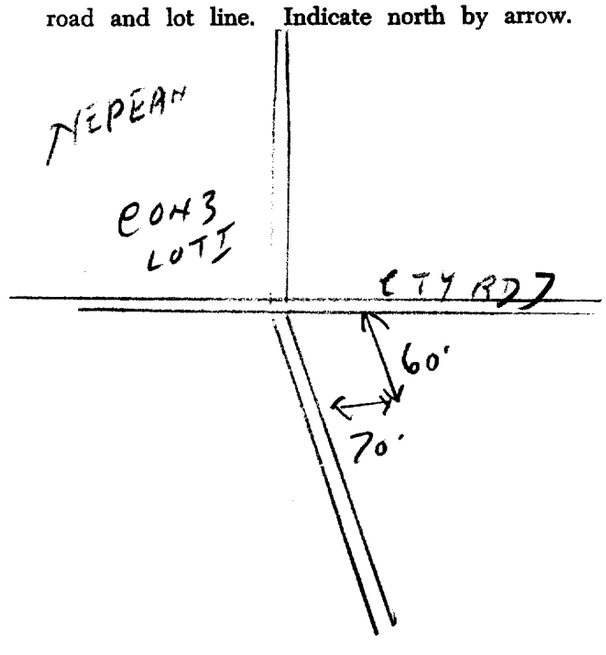
Is well on upland, in valley, or on hillside? Hillside

Drilling Firm J B Lapointe & Sons
Address 1014 Donnland
Ottawa
Licence Number 565
Name of Driller A Lapointe
Address 921 Gilmour Ottawa
Date June 20/60

J B Lapointe
(Signature of Licensed Drilling Contractor)

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 5

UTM 18 444080 E   31G4g

15 5007360 N

Elev 4 0305

Basin 25

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District: Carleton

Township, Village, ~~Town or City~~: North Gower

Con. 4   Lot: W½ 41

Date completed: 28th (day) August (month) 1961 (year)

[redacted]dress: Kars Ont.

Casing and Screen Record	
Inside diameter of casing	6¼"
Total length of casing	52'
Type of screen	red brass.
Length of screen	4'
Depth to top of screen	48'
Diameter of finished hole	6¼"

Pumping Test		
Static level	18'	
Test-pumping rate	15	G.P.M.
Pumping level	26'	
Duration of test pumping	20 min.	
Water clear or cloudy at end of test	clear.	
Recommended pumping rate	5	G.P.M.
with pump setting of	45'	feet below ground surface

Well Log / **Water Record**

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
clay loam	0	15'		
gravel	15'	58	45'	fresh

For what purpose(s) is the water to be used? home

Is well on upland, in valley, or on hillside? upland

Drilling or Boring Firm: Mel McLaughlin

Address: Ashton Ont

Licence Number: 225

Name of Driller or Borer: Melville McLaughlin

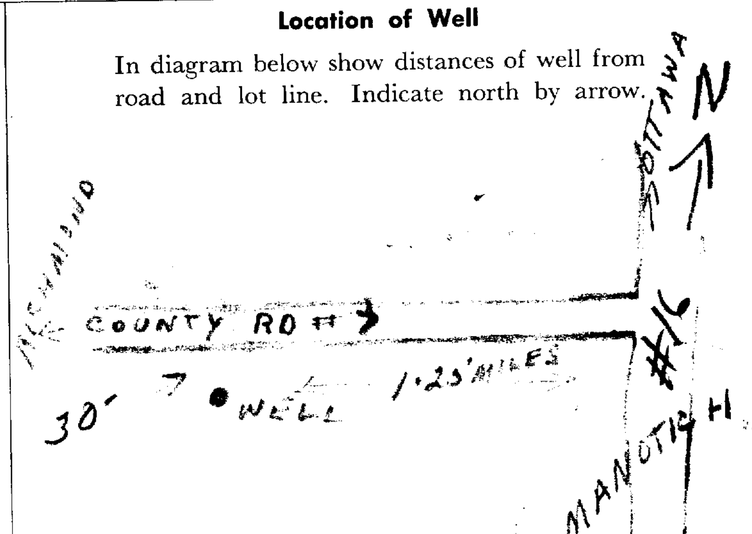
Address: Ashton Ont.

Date: Aug. 25/61

Melville McLaughlin
(Signature of Licensed Drilling or Boring Contractor)

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 7 15M Sets 60-5930

UTM 1 18 Z 4 4 3 7 8 5 E
1 9 R 5 0 0 7 0 0 0 N
Elev. 9 1 R 0 3 2 0
Basin 2 5
1st 1

3IG49

ONTARIO

RECEIVED
APR - 3 1956
GEOLOGICAL BRANCH
DEPARTMENT of MINES

15 № 6699

The Water-well Drillers Act, 1954
Department of Mines

Water-Well Record

County or Territorial District Carleton Township, Village, Town or City N. Gower

[redacted] Village, Town or City)

[redacted] Address

(day) (month) (year)

Pipe and Casing Record

Casing diameter(s) 4"
Length(s) 24'
Type of screen
Length of screen

Pumping Test

Static level 10'
Pumping rate 230 GPH
Pumping level 14'
Duration of test 1 h.

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
Loam	0	20	42'	32'	fresh
Gravel	20	24'			
Limestone	24	42'			

For what purpose(s) is the water to be used? Residential
Is water clear or cloudy? clear
Is well on upland, in valley, or on hillside? hillside

Drilling firm M Meagher
Address 639 Redwood Ave
Ottawa
Name of Driller M Meagher
Address

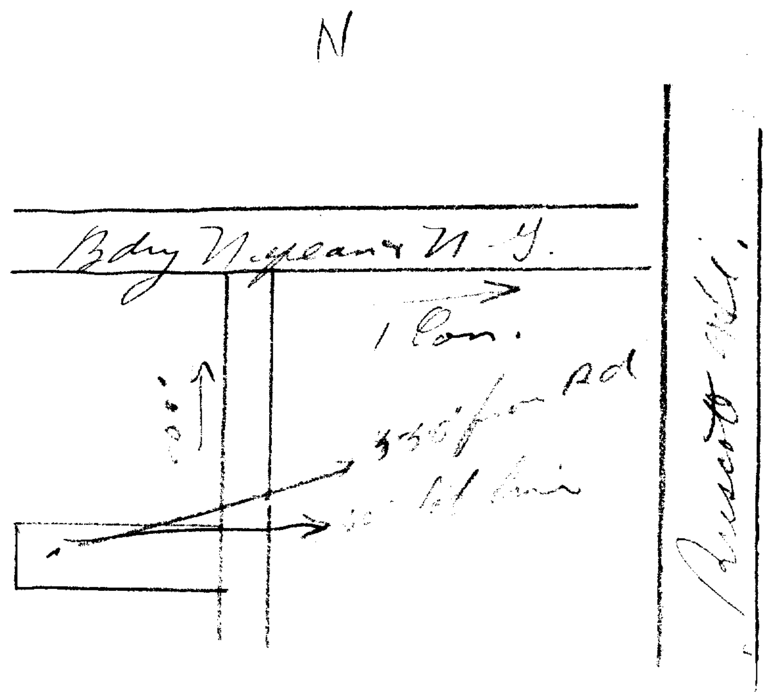
Licence Number 171

I certify that the foregoing statements of fact are true.

Date Fred M Meagher
Signature of Licensee

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



CSS.58

316/49

The Ontario Water Resources Commission Act

WATER WELL RECORD

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 (1 2) | 1510581 | MUNICIP. 15004 (10 14) | CON. GON A (15 22 23 24)

COUNTY OR DISTRICT: CARLETON

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: NORTH GOWER

CON. | BLOCK, TRACT, SURVEY, ETC.: A

LOT (25-27): 001

[redacted] TILLBURY AVE. OTTAWA

DATE COMPLETED (48-53): DAY 05 MO. 05 YR. 70 (II III IV)

NG: 007260 (24) | RC. 4 (25) | ELEVATION: 0320 (26) | RC. 5 (30) | BASIN CODE: 25 (31) (47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
	GRAVEL	SAND		0	76
GREY	LIMESTONE		HARD	76	87

31: 0076 11 09 | 0087 2 15

32: (1 2) (10) (14 15) (21) (32) (43) (54) (65) (75) (80)

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0085 (10-13)	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (14)
(15-18)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (19)
(20-23)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (24)
(25-28)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (29)
(30-33)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (34) (80)

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
(10-11) 06 ~~04~~	1 ☒ STEEL (12) 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	(13-16) 0076 ~~76~~ (20-23)
(17-18) 06 ~~04~~	1 ☐ STEEL (19) 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		76	0087 ~~82~~ (27-30)
(24-25)	1 ☐ STEEL (26) 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.) (31-33)	DIAMETER (34-38) INCHES	LENGTH (39-40) FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN (41-44) FEET	(80)

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
(10-13) 15	(14-17) 30	CEMENT GROUT
(18-21)	(22-25)	
(26-29)	(30-33)	(80)

71 PUMPING TEST

PUMPING TEST METHOD (10): 1 ☐ PUMP 2 ☒ BAILER

PUMPING RATE (11-14): 0005 GPM.

DURATION OF PUMPING (15-16 HOURS) 01 (17-18 MINS.) 00

STATIC LEVEL (19-21)	WATER LEVEL END OF PUMPING (22-24)	WATER LEVELS DURING (25) 15 MINUTES (26-28)	30 MINUTES (29-31)	45 MINUTES (32-34)	60 MINUTES (35-37)
020 FEET	045 FEET	030 FEET	026 FEET	024 FEET	023 FEET

1 ☐ PUMPING 2 ☒ RECOVERY

IF FLOWING, GIVE RATE (38-41) GPM.

PUMP INTAKE SET AT FEET

WATER AT END OF TEST (42): 1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

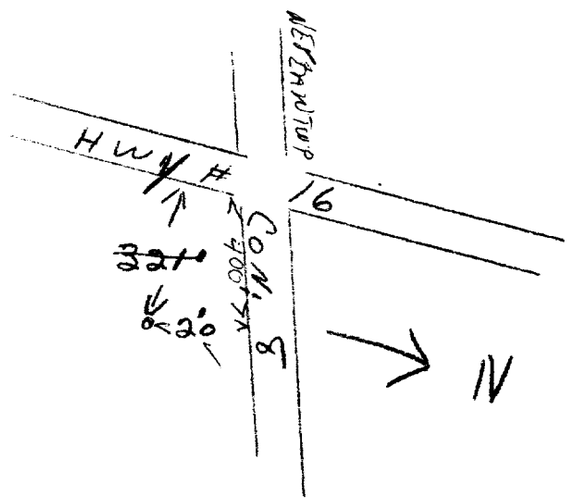
RECOMMENDED PUMP SETTING (43-45): 050 FEET

RECOMMENDED PUMPING RATE (46-49): 0005 GPM.

(50-53) 000.2 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL (54)

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE (55-56) 01

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING (57)

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: MCLEAN WATER SUPPLY LTD. | LICENCE NUMBER: 3504

ADDRESS: 1532 RAVEN AVE. OTTAWA 3.

NAME OF DRILLER OR BORER: W. GIBBONS | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: [signature] | SUBMISSION DATE: DAY 7 MO. 5 YR. 70

OFFICE USE ONLY

DATA SOURCE (58): 1 | CONTRACTOR (59-62): 3504 | DATE RECEIVED (63-68): 280570 (80)

DATE OF INSPECTION | INSPECTOR: S. Kim

REMARKS:

OWRC COPY

MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

WATER WELL RECORD

31G/4

Ontario

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11

1513828

MUNICIP. 15004 CON. CON 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Carleton	North Gower	1	001

[redacted] 596, Parkview Rd. Ottawa

DATE COMPLETED: DAY 18 MO. 10 YR. 73

UTM ... 07066 RC. 4 ELEVATION 0325 RC. 5 BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Sand			0	65
Brown	Sand	Gravel		65	74
Grey	limestone			74	83

31 00656 08 00746 08 11 00832 15

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0079	1 ☒ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06	1 ☒ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE	.188	0	0076
06	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☒ OPEN HOLE		76	~~83~~ 0083
	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER

PUMPING RATE: 0030 GPM

DURATION OF PUMPING: 02 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
020 FEET	050 FEET		050 FEET	050 FEET	050 FEET	050 FEET

IF FLOWING, GIVE RATE: GPM

PUMP INTAKE SET AT: FEET

WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

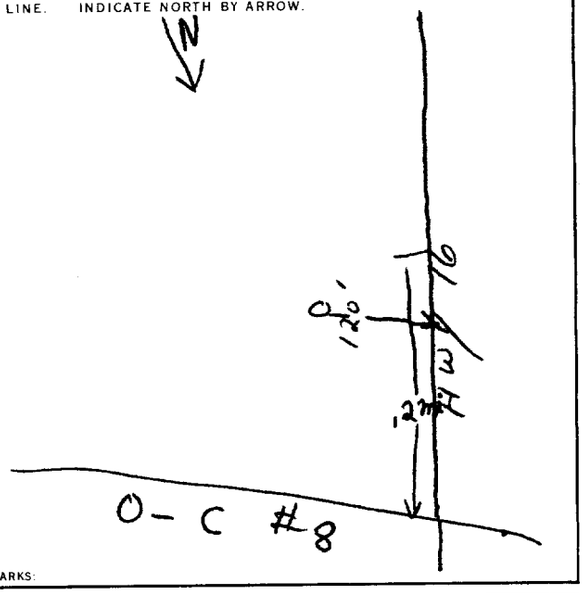
RECOMMENDED PUMP SETTING: 050 FEET

RECOMMENDED PUMPING RATE: 0005 GPM

50-53: 001.0

LOCATION OF WELL 4307

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL 54: 1 ☒ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED

WATER USE 55-56: 1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; ☐ OTHER; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF DRILLING 57: 1 ☐ CABLE TOOL; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☒ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Henry Mains Well Drilling — LICENCE NUMBER: 3644

ADDRESS: Box 326, Richmond Ont.

NAME OF DRILLER OR BORER: Robert Bisson — LICENCE NUMBER:

SIGNATURE OF CONTRACTOR:

SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE 58: 1 — CONTRACTOR 59-62: 3644 — DATE RECEIVED 63-68: 110274

DATE OF INSPECTION: — INSPECTOR: K.

REMARKS: CS253

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 07-091

Ministry of the Environment
Ontario

316 49

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 1517482 MUNICIP 15004 CON. CON A

COUNTY OR DISTRICT: Ottawa Carleton
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Gower
CON. BLOCK, TRACT, SURVEY, ETC: A
LOT: 001
[redacted]
Manotick Ont
DATE COMPLETED: DAY 15 MO 10 YR 80
ZTHING 006999 RC 4 ELEVATION 0320 RC 4 BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
	clay & boulders			0	62
grey	limestone			62	110
"	sandstone			110	160

31 0062 0513 0110215 0160218

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0160	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	0065
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)

71 PUMPING TEST

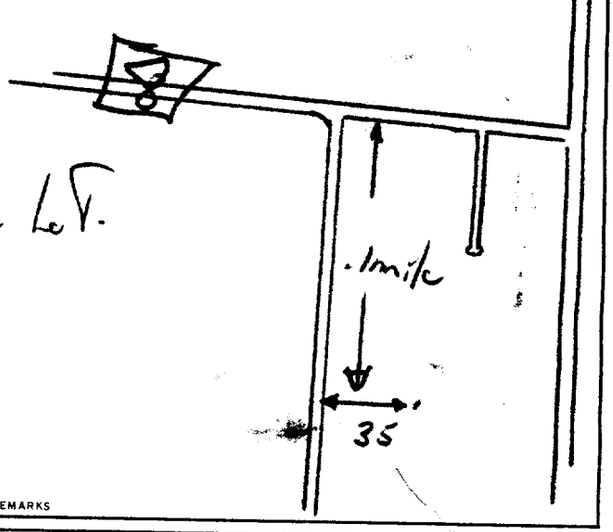
PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 0012 GPM
DURATION OF PUMPING: 00 HOURS 30 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
055 FEET	070 FEET		070 FEET	070 FEET	FEET	FEET

IF FLOWING, GIVE RATE: GPM
PUMP INTAKE SET AT: FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 080 FEET
RECOMMENDED PUMPING RATE: 0012 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS

FINAL STATUS OF WELL 1
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING ☐ OTHER 9 ☐ NOT USED

METHOD OF DRILLING 2
1 ☐ CABLE TOOL 2 ☒ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Air-Rock Drilling Ltd.
LICENCE NUMBER: 1119
ADDRESS: RR #2 Jasper Ont
NAME OF DRILLER OR BORER: Wallace Desautniers
LICENCE NUMBER: 1119
SIGNATURE OF CONTRACTOR: Wallace Desautniers
SUBMISSION DATE: 30 MO 1 YR 81

MINISTRY OF THE ENVIRONMENT COPY

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 1119 | DATE RECEIVED 020281
DATE OF INSPECTION | INSPECTOR
REMARKS

CSS, EC

FORM NO. 0506-4-77

316 49

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

(11) 1517483 MUNICIP. 15004 CON. CON A

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY ETC	LOT
Ottawa Carleton	N. Gower	A	001

[redacted] Merrickville Ont.

DATE COMPLETED: DAY 10 MO 12 YR 80

0069990 RC 4 ELEVATION 0320 RC 4 BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
	clay stone & boulders			0	90
grey	limestone			90	160

31: 0090 05 12 13 0160 2 15

32:

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0155	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	0094
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.) | DIAMETER INCHES | LENGTH FEET | MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER

PUMPING RATE: 0015 GPM

DURATION OF PUMPING: 00 HOURS 30 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
050 FEET	070 FEET	070 FEET	070 FEET	FEET	FEET

WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

IF FLOWING, GIVE RATE: GPM

PUMP INTAKE SET AT: FEET

WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

RECOMMENDED PUMP SETTING: 080 FEET

RECOMMENDED PUMPING RATE: 0015 GPM

FINAL STATUS OF WELL: 1

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE: 01

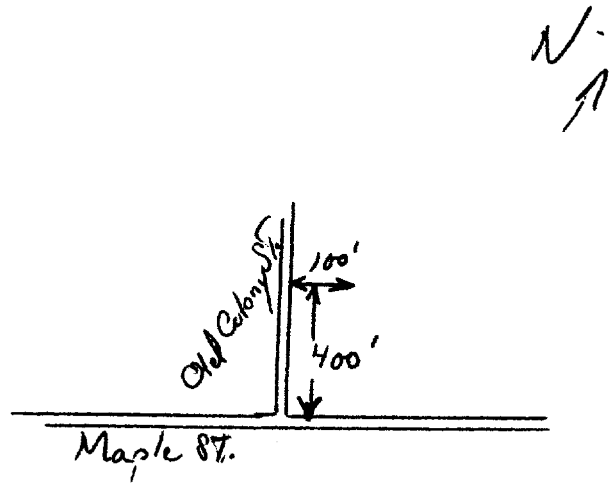
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING: 2

1 ☐ CABLE TOOL 2 ☒ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

CONTRACTOR

NAME OF WELL CONTRACTOR: Air-Rock Drilling Co. Ltd. — LICENCE NUMBER: 1119

ADDRESS: RR # 2 Jasper Ont.

NAME OF DRILLER OR BORER: Wallace Desaulniers — LICENCE NUMBER: 1119

SIGNATURE OF CONTRACTOR: Wallace Desaulniers — SUBMISSION DATE: DAY 30 MO. 1 YR. 81

OFFICE USE ONLY

DATA SOURCE: 1 — CONTRACTOR: 1119 — DATE RECEIVED: 020281

DATE OF INSPECTION: — INSPECTOR:

REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77 FORM 7

Ontario — Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. A116286 (A116286)

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3680 Bankefield Rd.	Nepean / Ottawa	1	2

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa	Kars	Ontario	K0A2E0

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	443858	5007532	1RP 5R5205 2RF	

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	Coarse Sand	Stone, gravel	Hard	0	7.9
Grey	Course Sand	Stone, gravel	Hard	7.9	18.4
Grey	Medium Sand	gravel, stone	Hard	18.4	21.7
Grey	gravel	Medium Sand	packed	21.7	25.9

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	6	cimant grout	.2 m³

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
15.55	Steel	.48	+.6	25.9

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

☑ Water Supply ☐ Replacement Well ☐ Test Hole ☐ Recharge Well ☐ Dewatering Well ☐ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, specify ☐ Other, specify

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Other, specify
25.9	☐	☐ Fresh ☑ Untested	
	☐	☐ Fresh ☐ Untested	
	☐	☐ Fresh ☐ Untested	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	6	24.7
6	25.9	15.55

Results of Well Yield Testing

After test of well yield, water was: ☑ Clear and sand free ☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft): 22

Pumping rate (l/min / GPM): 68

Duration of pumping: 1 hrs + ____ min

Final water level end of pumping (m/ft): 8.36

If flowing give rate (l/min / GPM):

Recommended pump depth (m/ft): 22

Recommended pump rate (l/min / GPM): 68

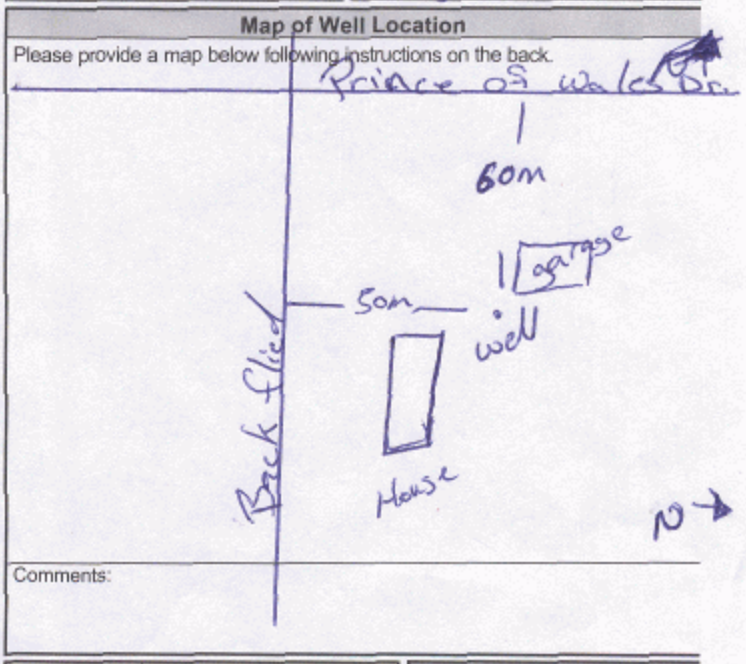
Well production (l/min / GPM):

Disinfected? ☑ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	6.85		8.36
1	7.22	1	7.28
2	7.21	2	7.26
3	7.22	3	7.24
4	7.22	4	6.93
5	7.22	5	6.87
10	7.52	10	6.86
15	7.47	15	6.86
20	7.42	20	6.86
25	7.42	25	6.85
30	7.40	30	6.85
40	7.40	40	6.85
50	7.49	50	6.85
60	8.36	60	6.85

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Bourgeois Well Drilling	7117

Business Address (Street Number/Name)	Municipality
151 Montee D'Haut	Nation

Province	Postal Code	Business E-mail Address
On	K0A3C0	N/A

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6139875291	BENIER, MICHAEL

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3493		2011/10/30

Well owner's information package delivered ☑ Yes ☐ No

Date Package Delivered: 2011/10/25

Date Work Completed: 2011/10/25

Ministry Use Only

Audit No. Z140777

Received NOV 17 2011

Ministry's Copy

Mandy Witteman

From: Public Information Services <publicinformationservices@tssa.org>
Sent: August 9, 2021 3:06 PM
To: Mandy Witteman
Subject: RE: Search records request (PE5397)

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

NO RECORD FOUND

Hello Mandy,

Thank you for your request for confirmation of public information.

- We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationservices@tssa.org along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind regards,

Mariah

Public Information Agent
Facilities and Business Services
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationservices@tssa.org
www.tssa.org

From: Mandy Witteman
<MWitteman@Patersongroup.ca>
Sent: August 9, 2021 2:15 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Search records request (PE5397)

Good afternoon,

Could you please complete a search of your records for **underground/aboveground storage tanks, historical spills or other incidents/infractions** for the following addresses in Ottawa, ON:

Bankfield Rd: 3690, 3680, 1464, 1468, 1458, 1454, 1450
Elijah Court: 5479, 5485

Thank you

Cheers,

Mandy Witteman, B.Eng., M.A.Sc.

patersongroup

solution oriented engineering
over 60 years servicing our clients

154 Colonnade Road South
Ottawa, Ontario, K2E 7J5
Tel: (613) 226-7381 Ext. 339
Cell: (403) 921-1157

Mandy Witteman

From: Public Information Services <publicinformationservices@tssa.org>
Sent: September 20, 2022 7:10 AM
To: Mandy Witteman
Subject: RE: Search records request (PE5397-2)

Follow Up Flag: Follow up
Flag Status: Flagged

Please refrain from sending documents to head office. The Public Information (PI) team works remotely, mailing in applications will lengthen the overall processing time.

NO RECORD FOUND IN CURRENT DATABASE

Hello,

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

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

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

1. Click Release of Public Information - TSSA and click "need a copy of a document";
2. Select the appropriate application, download it and complete it in full; and
3. Proceed to page 3 of the application and click the link TSSA Service Prepayment Portal under payment options (the link will take you the secure site to pay for the release via credit card).

Accessing the Service Prepayment Portal:

1. Select new or existing customer (*if you are an existing customer, you will need your account # & postal code to access your account);
2. Select the program area: AD (Amusement Devices), BPV (Boilers and Pressure Vessels), ED (Elevating Devices), FS (Fuels Services), OE (Operating Engineers) or SKI (Ski Lifts) and click continue;
3. Enter the application form number (obtained from bottom left corner of application form) and click continue;
    a. When selecting the application form number from the drop-down menu, please make sure you select the application that begins with "PI" (i.e. PI-FS, PI-BPV etc.);
4. Complete the primary contact information section;
5. Complete the fees section;
6. Upload your completed application; and

7. Upload supporting documents (if required) and click continue.

Once all steps have been successfully completed, you will receive your receipt via email.
Questions? Please contact TSSA's Public Information Release team at publicinformationservices@tssa.org.
Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind Regards,
Kim

Public Information Agent
Facilities and Business Services
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationservices@tssa.org
www.tssa.org

From: Mandy Witteman <MWitteman@patersongroup.ca>
Sent: September 19, 2022 3:05 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Search records request (PE5397-2)

Good afternoon,

Could you please complete a search of your records for underground/aboveground storage tanks, historical spills or other incidents/infractions for the following addresses in Ottawa, ON:

Bankfield rd: 1454, 1450
Elijah Court: 5479, 5484

Thank you

Kind regards,

Mandy *(she/her)*

MANDY WITTEMAN, M.A.Sc., P.Eng.
INTERMEDIATE ENVIRONMENTAL ENGINEER

TEL: (613) 226-7381 ext. 339
DIRECT: (613) 800-5575

9 AURIGA DRIVE
OTTAWA ON K2E 7T9

patersongroup.ca

File Number: D06-03-21-0151

November 8, 2021

Mandy Witteman
Paterson Group Inc.
154 Colonnade Road, South, Ottawa

*Sent via email [*Mwitteman@patersongroup.ca*]*

Dear Ms. Witteman,

Re: Information Request
1464 & 1468 Bankfield Road**, 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:

Excel

The Excel Spread Sheet identifies HLUI area, point and line features within 250 metres of the Subject Property, as shown on the provided Map. 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 http://www.ebr.gov.on.ca/ERS-WEB-External/ 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 Jonathan Katsouleas at 613-580-2424 ext. 23601 or HLUI@ottawa.ca

Sincerely,

Jonathan Katsouleas

Per:

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

MB / JK

Enclosures.

1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-21-0151

DATABASE REPORT

Project Property:	*PE5397 1464-1468 Bankfield Road* *PE5397 1464-1468 Bankfield Road* *Kars ON K0A 2E0*
Project No:	*32354*
Report Type:	*Standard Report*
Order No:	*21072900048*
Requested by:	*Paterson Group Inc.*
Date Completed:	*August 4, 2021*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*PE5397 1464-1468 Bankfield Road* *PE5397 1464-1468 Bankfield Road Kars ON K0A 2E0*
Project No:	*32354*

Coordinates:

Latitude:	*45.2182191*
Longitude:	*-75.7147374*
UTM Northing:	*5,007,440.69*
UTM Easting:	*443,882.01*
UTM Zone:	*18T*

Elevation:	*311 FT* *94.85 M*

Order Information:

Order No:	*21072900048*
Date Requested:	*July 29, 2021*
Requested by:	*Paterson Group Inc.*
Report Type:	*Standard Report*

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	*Abandoned Aggregate Inventory*	Y	0	0	0
AGR	*Aggregate Inventory*	Y	0	0	0
AMIS	*Abandoned Mine Information System*	Y	0	0	0
ANDR	*Anderson's Waste Disposal Sites*	Y	0	0	0
AST	*Aboveground Storage Tanks*	Y	0	0	0
AUWR	*Automobile Wrecking & Supplies*	Y	0	0	0
BORE	*Borehole*	Y	0	3	3
CA	*Certificates of Approval*	Y	0	0	0
CDRY	*Dry Cleaning Facilities*	Y	0	0	0
CFOT	*Commercial Fuel Oil Tanks*	Y	0	0	0
CHEM	*Chemical Manufacturers and Distributors*	Y	0	0	0
CHM	*Chemical Register*	Y	0	0	0
CNG	*Compressed Natural Gas Stations*	Y	0	0	0
COAL	*Inventory of Coal Gasification Plants and Coal Tar Sites*	Y	0	0	0
CONV	*Compliance and Convictions*	Y	0	0	0
CPU	*Certificates of Property Use*	Y	0	0	0
DRL	*Drill Hole Database*	Y	0	0	0
DTNK	*Delisted Fuel Tanks*	Y	0	0	0
EASR	*Environmental Activity and Sector Registry*	Y	0	0	0
EBR	*Environmental Registry*	Y	0	0	0
ECA	*Environmental Compliance Approval*	Y	0	0	0
EEM	*Environmental Effects Monitoring*	Y	0	0	0
EHS	*ERIS Historical Searches*	Y	0	1	1
EIIS	*Environmental Issues Inventory System*	Y	0	0	0
EMHE	*Emergency Management Historical Event*	Y	0	0	0
EPAR	*Environmental Penalty Annual Report*	Y	0	0	0
EXP	*List of Expired Fuels Safety Facilities*	Y	0	0	0
FCON	*Federal Convictions*	Y	0	0	0
FCS	*Contaminated Sites on Federal Land*	Y	0	0	0
FOFT	*Fisheries & Oceans Fuel Tanks*	Y	0	0	0
FRST	*Federal Identification Registry for Storage Tank Systems (FIRSTS)*	Y	0	0	0
FST	*Fuel Storage Tank*	Y	0	0	0
FSTH	*Fuel Storage Tank - Historic*	Y	0	0	0
GEN	*Ontario Regulation 347 Waste Generators Summary*	Y	0	0	0
GHG	*Greenhouse Gas Emissions from Large Facilities*	Y	0	0	0
HINC	*TSSA Historic Incidents*	Y	1	0	1
IAFT	*Indian & Northern Affairs Fuel Tanks*	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	12	12
	Total:		1	16	17

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	HINC		1468 T COUNTY ROAD 8 RIDEAU LAKES ON	-/0.0	1.36	15

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		lot 1 con A ON ***Well ID:*** 1506575	W/21.3	1.98	15
3	WWIS		lot 1 con A ON ***Well ID:*** 1506582	SW/42.7	1.98	18
4	WWIS		lot 1 con A ON ***Well ID:*** 1506580	SSW/50.0	1.34	20
5	WWIS		lot 1 con A ON ***Well ID:*** 1506585	W/52.0	3.03	23
5	WWIS		lot 1 con A ON ***Well ID:*** 1506574	W/52.0	3.03	25
6	WWIS		lot 1 con A ON ***Well ID:*** 1510581	NE/56.6	0.03	28
7	BORE		ON	NE/56.6	0.03	31
8	WWIS		lot 1 con 2 ON ***Well ID:*** 1505883	WNW/65.9	3.03	32
9	WWIS		lot 1 con 2 ON ***Well ID:*** 1505885	WNW/87.1	3.27	34
10	WWIS		3680 BANKEFIELD RD lot 1 con 2 KARS ON ***Well ID:*** 7171905	NNW/94.4	1.64	37
11	BORE		ON	NW/101.8	3.06	44
12	WWIS		lot 1 con 2 ON	WNW/129.9	4.55	46

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1505884			
13	EHS		Bankfield Road and Prince of Wales Ottawa ON	NE/130.9	-0.54	48
14	WWIS		lot 1 con 1 ON ***Well ID:*** 1513828	SW/197.5	3.73	49
15	WWIS		lot 1 con 1 ON ***Well ID:*** 1506699	SSW/228.5	3.03	52
16	BORE		ON	SSW/228.6	3.03	55

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 3 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	NE	56.62	7
	ON	NW	101.81	11
	ON	SSW	228.56	16

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2021 has found that there are 1 EHS site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	Bankfield Road and Prince of Wales Ottawa ON	NE	130.89	13

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.

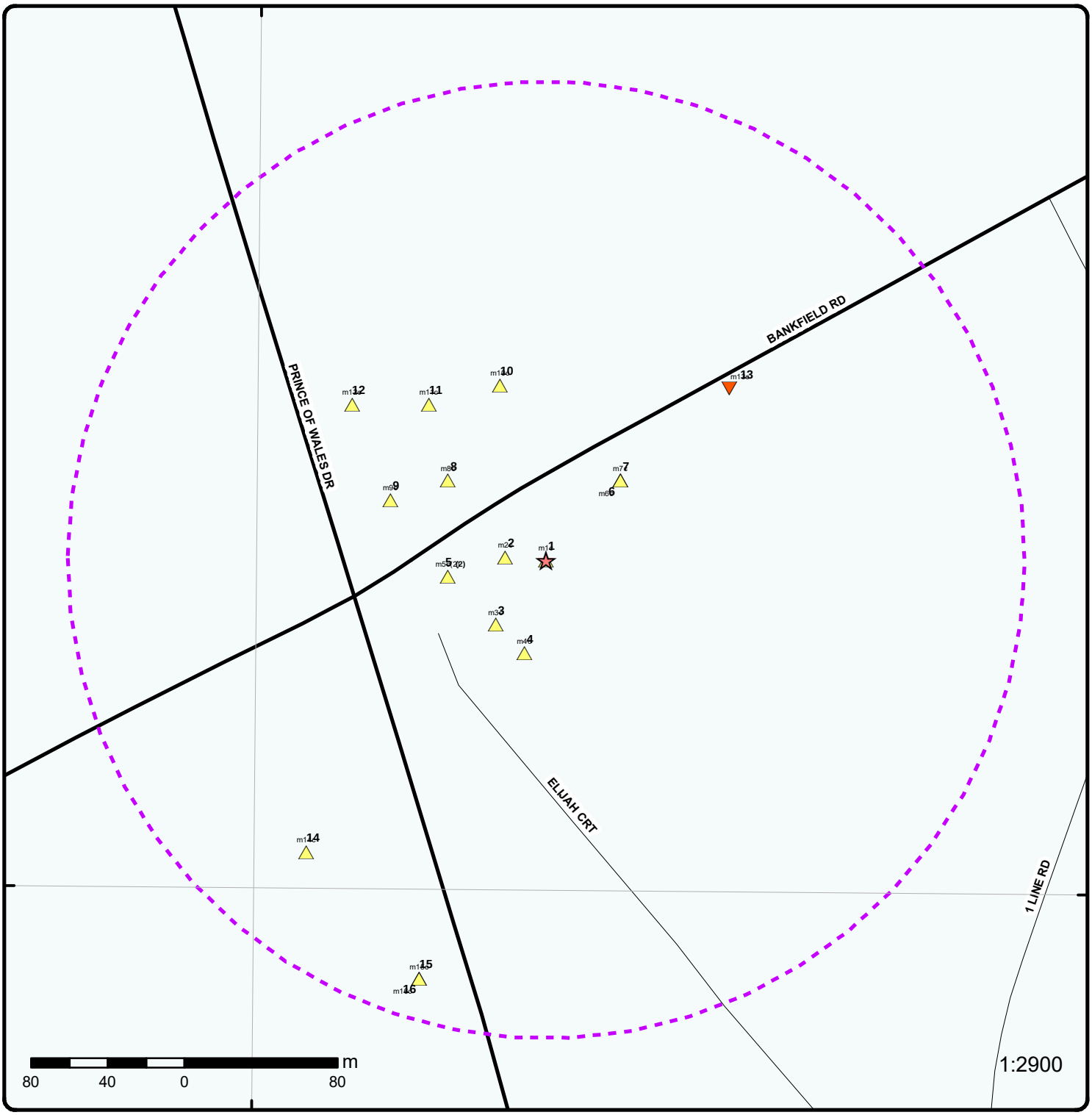
Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	1468 T COUNTY ROAD 8 RIDEAU LAKES ON	-	0.00	1

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2021 has found that there are 12 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 1 con A ON ***Well ID:*** 1506575	W	21.35	2
	lot 1 con A ON ***Well ID:*** 1506582	SW	42.75	3
	lot 1 con A ON ***Well ID:*** 1506580	SSW	49.99	4
	lot 1 con A ON ***Well ID:*** 1506574	W	52.04	5
	lot 1 con A ON ***Well ID:*** 1506585	W	52.04	5
	lot 1 con A ON ***Well ID:*** 1510581	NE	56.60	6
	lot 1 con 2 ON ***Well ID:*** 1505883	WNW	65.87	8
	lot 1 con 2 ON ***Well ID:*** 1505885	WNW	87.13	9
	3680 BANKEFIELD RD lot 1 con 2 KARS ON ***Well ID:*** 7171905	NNW	94.41	10
	lot 1 con 2 ON ***Well ID:*** 1505884	WNW	129.90	12
	lot 1 con 1 ON ***Well ID:*** 1513828	SW	197.53	14
	lot 1 con 1 ON	SSW	228.52	15

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Well ID: 1506699			



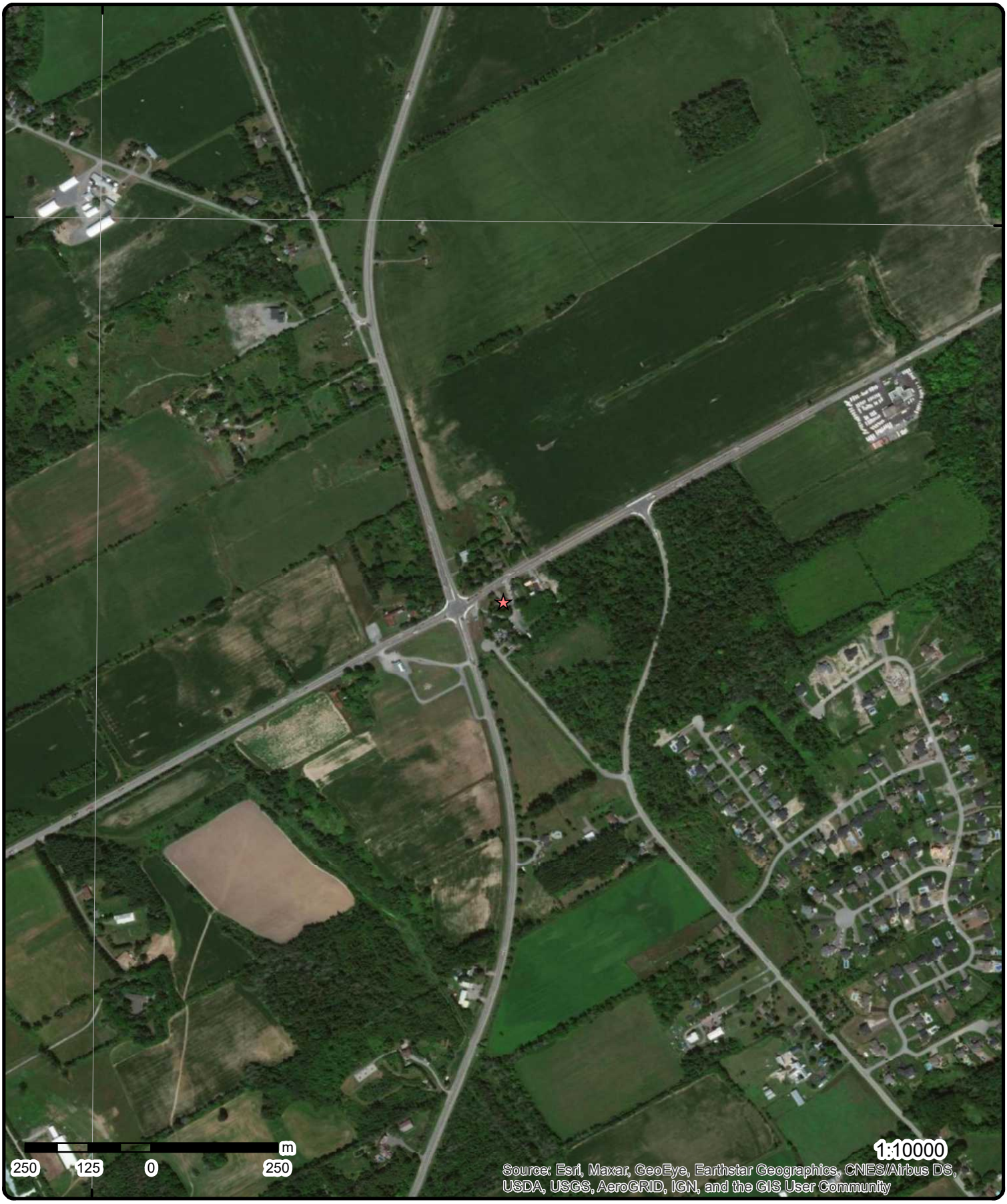
Map: 0.25 Kilometer Radius

Order Number: 21072900048

Address: PE5397 1464-1468 Bankfield Road, Kars, ON

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road
- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line
- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

Source: © 2015 DMTI Spatial Inc.

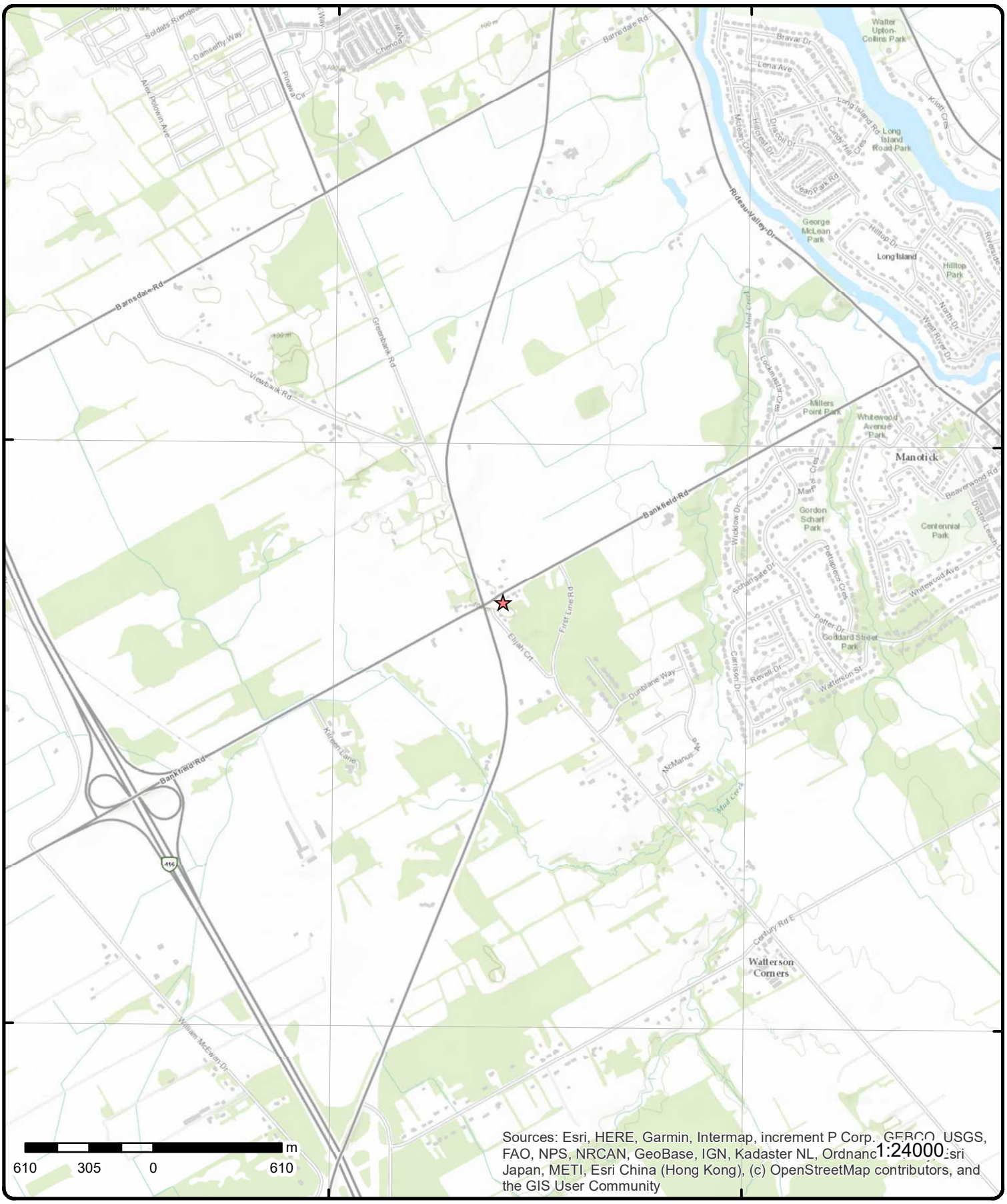


Aerial **Year: 2020**

Order Number: 21072900048

Address: PE5397 1464-1468 Bankfield Road, Kars, ON

Source: ESRI World Imagery



Topographic Map

Order Number: 21072900048

Address: PE5397 1464-1468 Bankfield Road, ON

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	-/0.0	96.2 / 1.36	1468 T COUNTY ROAD 8 RIDEAU LAKES ON	HINC

External File Num: FS INC 0903-01216
Fuel Occurrence Type: Fire
Date of Occurrence: 3/3/2009
Fuel Type Involved: Fuel Oil
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Private Dwelling
Service Interruptions: No
Property Damage: No
Fuel Life Cycle Stage: Utilization
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:Yes Training: Yes Management:Yes Human Factors:Yes
Reported Details: Wood/fuel oil combination furnace
Fuel Category: Liquid Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Leeds and Grenville
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	W/21.3	96.8 / 1.98	lot 1 con A ON	WWIS

Well ID: 1506575
Construction Date:
Primary Water Use: Municipal
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: 1
Date Received: 4/21/1955
Selected Flag: True
Abandonment Rec:
Contractor: 3601
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NORTH GOWER TOWNSHIP
Site Info:
Lot: 001
Concession: A
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506575.pdf

Additional Detail(s) (Map)

Well Completed Date: 1955/02/12
Year Completed: 1955
Depth (m): 16.764
Latitude: 45.2182291748385
Longitude: -75.7150089156098
Path: 150\1506575.pdf

Bore Hole Information

Bore Hole ID: 10028611
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 12-Feb-1955 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 98.465896
Elevrc:
Zone: 18
East83: 443860.70
North83: 5007442.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931004886
Layer: 2
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 45.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931004885
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931004887
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 45.0
Formation End Depth: 55.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961506575
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10577181
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930049954
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506575
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 15.0
Recommended Pump Depth:
Pumping Rate: 4.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

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

Water ID: 933460732
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 55.0
Water Found Depth UOM: ft

---

3 | **1 of 1** | **SW/42.7** | **96.8 / 1.98** | **lot 1 con A ON** | **WWIS**

Well ID: 1506582
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: 1
Date Received: 6/5/1959
Selected Flag: True
Abandonment Rec:
Contractor: 1603
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NORTH GOWER TOWNSHIP
Site Info:
Lot: 001
Concession: A
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1959/04/27
Year Completed: 1959
Depth (m): 30.1752
Latitude: 45.2179137453734
Longitude: -75.715068643571
Path:

Bore Hole Information

Bore Hole ID: 10028618
DP2BR: 91.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 27-Apr-1959 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 99.509979
Elevrc:
Zone: 18
East83: 443855.70
North83: 5007407.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock

Materials Interval

Formation ID:	931004904
Layer:	2
Color:	5
General Color:	YELLOW
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	20.0
Formation End Depth:	91.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931004903
Layer:	1
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	12
Mat2 Desc:	STONES
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:	931004905
Layer:	3
Color:	
General Color:	
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	91.0
Formation End Depth:	99.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961506582
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10577188
Casing No:	1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930049967
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	91
Casing Diameter:	3
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930049968
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	99
Casing Diameter:	3
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991506582
Pump Set At:	
Static Level:	22.0
Final Level After Pumping:	28.0
Recommended Pump Depth:	22.0
Pumping Rate:	7.0
Flowing Rate:	
Recommended Pump Rate:	3.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933460741
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	99.0
Water Found Depth UOM:	ft

4	1 of 1	SSW/50.0	96.2 / 1.34	lot 1 con A ON	WWIS

Well ID:	1506580	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	11/3/1958
Sec. Water Use:	0	**Selected Flag:**	True

Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1603
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:***	001
Well Depth:		***Concession:***	A
Overburden/Bedrock:		***Concession Name:***	CON
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\1506580.pdf

Additional Detail(s) (Map)

Well Completed Date:	1958/10/16
Year Completed:	1958
Depth (m):	26.2128
Latitude:	45.2177799280709
Longitude:	-75.7148759226898
Path:	150\1506580.pdf

Bore Hole Information

Bore Hole ID:	10028616	***Elevation:***	99.444328
DP2BR:	75.00	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	443870.70
Code OB Desc:	Bedrock	***North83:***	5007392.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	16-Oct-1958 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:	931004899
Layer:	2
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	75.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931004900
Layer:	3
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	75.0
Formation End Depth:	86.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931004898
Layer:	1
Color:	
General Color:	
Mat1:	13
Most Common Material:	BOULDERS
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961506580
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10577186
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930049963
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	77
Casing Diameter:	3
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930049964
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	86
Casing Diameter:	3
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991506580
Pump Set At:	
Static Level:	23.0
Final Level After Pumping:	30.0
Recommended Pump Depth:	
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933460739
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	86.0
Water Found Depth UOM:	ft

---

5 ***1 of 2*** ***W/52.0*** ***97.9 / 3.03*** ***lot 1 con A ON*** ***WWIS***

Well ID:	1506585	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
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:		***Contractor:***	1802
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:***	001
Well Depth:		***Concession:***	A
Overburden/Bedrock:		***Concession Name:***	CON
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\1506585.pdf

Additional Detail(s) (Map)

Well Completed Date: 1960/06/13
Year Completed: 1960
Depth (m): 13.716
Latitude: 45.2181367734688
Longitude: -75.7153898470484
Path: 150\1506585.pdf

Bore Hole Information

Bore Hole ID: 10028621
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 13-Jun-1960 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 98.553443
Elevrc:
Zone: 18
East83: 443830.70
North83: 5007432.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 931004911
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 45.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931004910
Layer: 1
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: 20.0

Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961506585
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10577191
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930049973
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 45
Casing Diameter: 3
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506585
Pump Set At:
Static Level: 22.0
Final Level After Pumping: 35.0
Recommended Pump Depth: 35.0
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933460745
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 45.0
Water Found Depth UOM: ft

5	***2 of 2***	***W/52.0***	***97.9 / 3.03***	***lot 1 con A ON***	***WWIS***

Well ID: 1506574 ***Data Entry Status:***

Construction Date:		**Data Src:**	1
Primary Water Use:	Municipal	**Date Received:**	4/21/1955
Sec. Water Use:	0	**Selected Flag:**	True
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:**	001
Well Depth:		**Concession:**	A
Overburden/Bedrock:		**Concession Name:**	CON
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\1506574.pdf

Additional Detail(s) (Map)

Well Completed Date:	1955/01/24
Year Completed:	1955
Depth (m):	18.288
Latitude:	45.2181367734688
Longitude:	-75.7153898470484
Path:	150\1506574.pdf

Bore Hole Information

Bore Hole ID:	10028610	**Elevation:**	98.553443
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	443830.70
Code OB Desc:	Overburden	**North83:**	5007432.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	24-Jan-1955 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:	931004883
Layer:	2
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	22.0

Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931004882
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: 931004884
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 50.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961506574
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10577180
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930049953
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter: 5
Casing Diameter UOM: inch

Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506574
Pump Set At:
Static Level: 18.0
Final Level After Pumping: 22.0
Recommended Pump Depth:
Pumping Rate: 3.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933460731
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60.0
Water Found Depth UOM: ft

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6 | ***1 of 1*** | ***NE/56.6*** | ***94.9 / 0.03*** | ***lot 1 con A ON*** | ***WWIS***

Well ID: 1510581
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: 1
Date Received: 5/28/1970
Selected Flag: True
Abandonment Rec:
Contractor: 3504
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: NORTH GOWER TOWNSHIP
Site Info:
Lot: 001
Concession: A
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510581.pdf

Additional Detail(s) (Map)

Well Completed Date: 1970/05/05
Year Completed: 1970
Depth (m): 26.5176
Latitude: 45.2185939913977

Longitude: -75.7142493028479
Path: 151\1510581.pdf

Bore Hole Information

Bore Hole ID: 10032608
DP2BR: 76.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 05-May-1970 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 96.155426
Elevrc:
Zone: 18
East83: 443920.70
North83: 5007482.00
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 931015286
Layer: 1
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 76.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931015287
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 76.0
Formation End Depth: 87.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961510581
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID:	10581178
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930057793
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	87
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930057792
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	76
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991510581
Pump Set At:	
Static Level:	20.0
Final Level After Pumping:	45.0
Recommended Pump Depth:	50.0
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934641105
Test Type:	Recovery
Test Duration:	45
Test Level:	24.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934097210
Test Type:	Recovery
Test Duration:	15
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934379528
Test Type:	Recovery
Test Duration:	30
Test Level:	26.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934898586
Test Type:	Recovery
Test Duration:	60
Test Level:	23.0
Test Level UOM:	ft

Water Details

Water ID:	933465605
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	85.0
Water Found Depth UOM:	ft

7 ***1 of 1*** ***NE/56.6*** ***94.9 / 0.03*** ***ON*** ***BORE***

Borehole ID:	611773	***Inclin FLG:***	No
OGF ID:	215513087	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	MAY-1970	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.218594
Total Depth m:	26.5	***Longitude DD:***	-75.714249
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	443921
Drill Method:		***Northing:***	5007482
Orig Ground Elev m:	97.5	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	96.2		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218389168	***Mat Consistency:***	
Top Depth:	23.2	***Material Moisture:***	
Bottom Depth:	26.5	***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. 00085T.BEDROCK,LIMESTONE. Y = 3700. BEDROCK. SEISMIC VELOCITY = 15000.

Geology Stratum ID: 218389167 **Mat Consistency:**
Top Depth: 0 **Material Moisture:**
Bottom Depth: 23.2 **Material Texture:**
Material Color: **Non Geo Mat Type:**
Material 1: Gravel **Geologic Formation:**
Material 2: Sand **Geologic Group:**
Material 3: **Geologic Period:**
Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: GRAVEL,SAND.

Source

Source Type: Data Survey **Source Appl:** Spatial/Tabular
Source Orig: Geological Survey of Canada **Source Iden:** 1
Source Date: 1956-1972 **Scale or Res:** Varies
Confidence: **Horizontal:** NAD27
Observatio: **Verticalda:** Mean Average Sea Level
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 04281 NTS_Sheet:
Confiden 1:

Source List

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

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8 | **1 of 1** | **WNW/65.9** | **97.9 / 3.03** | **lot 1 con 2 ON** | **WWIS**

Well ID: 1505883 **Data Entry Status:**
Construction Date: **Data Src:** 1
Primary Water Use: Domestic **Date Received:** 8/6/1954
Sec. Water Use: 0 **Selected Flag:** True
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:** NEPEAN TOWNSHIP
Elevation Reliability: **Site Info:**
Depth to Bedrock: **Lot:** 001
Well Depth: **Concession:** 02
Overburden/Bedrock: **Concession Name:** RF
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\1505883.pdf

Additional Detail(s) (Map)

Well Completed Date:	1954/06/11
Year Completed:	1954
Depth (m):	21.336
Latitude:	45.2185868174005
Longitude:	-75.7153954906962
Path:	150\1505883.pdf

Bore Hole Information

Bore Hole ID:	10027926	***Elevation:***	100.204170
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	443830.70
Code OB Desc:	Overburden	***North83:***	5007482.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	11-Jun-1954 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:	931003201
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	60.0
Formation End Depth:	70.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931003200
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:	60.0
Formation End Depth UOM:	ft

Method of Construction & Well

Use

Method Construction ID:	961505883
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10576496
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930048608
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	70
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991505883
Pump Set At:	
Static Level:	30.0
Final Level After Pumping:	30.0
Recommended Pump Depth:	
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933459908
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70.0
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	1 of 1	WNW/87.1	98.1 / 3.27	lot 1 con 2 ON	WWIS

Well ID:	1505885	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/16/1957
Sec. Water Use:	0	***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	

Water Type:		**Contractor:**	3701
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	RF
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\1505885.pdf

Additional Detail(s) (Map)

Well Completed Date:	1957/09/01
Year Completed:	1957
Depth (m):	27.1272
Latitude:	45.2184944147362
Longitude:	-75.7157764238736
Path:	150\1505885.pdf

Bore Hole Information

Bore Hole ID:	10027928	**Elevation:**	99.799186
DP2BR:	32.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	443800.70
Code OB Desc:	Bedrock	**North83:**	5007472.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	01-Sep-1957 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:	931003205
Layer:	1
Color:	
General Color:	
Mat1:	13
Most Common Material:	BOULDERS
Mat2:	14
Mat2 Desc:	HARDPAN
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	32.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931003206
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	32.0
Formation End Depth:	89.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961505885
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10576498
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930048612
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	38
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930048613
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	89
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991505885
Pump Set At:	
Static Level:	40.0
Final Level After Pumping:	50.0

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: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933459911
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 89.0
Water Found Depth UOM: ft

Water Details

Water ID: 933459910
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 50.0
Water Found Depth UOM: ft

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10 ***1 of 1*** ***NNW/94.4*** ***96.5 / 1.64*** ***3680 BANKEFIELD RD lot 1 con 2 KARS ON*** ***WWIS***

Well ID:	7171905	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Domestic	***Date Received:***	11/17/2011
Sec. Water Use:		***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	7417
Casing Material:		***Form Version:***	7
Audit No:	Z140777	***Owner:***	
Tag:	A116286	***Street Name:***	3680 BANKEFIELD RD
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	001
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	RF
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/717\7171905.pdf

Additional Detail(s) (Map)

Well Completed Date: 2011/10/25
Year Completed: 2011
Depth (m): 25.9

Latitude: 45.2190390386578
Longitude: -75.7150534547996
Path: 717\7171905.pdf

Bore Hole Information

Bore Hole ID: 1003608470
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 25-Oct-2011 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 97.655281
Elevrc:
Zone: 18
East83: 443858.00
North83: 5007532.00
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1004080676
Layer: 4
Color: 2
General Color: GREY
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 21.700000762939453
Formation End Depth: 21.700000762939453
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1004080675
Layer: 3
Color: 2
General Color: GREY
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 12
Mat2 Desc: STONES
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 18.399999618530273
Formation End Depth: 21.700000762939453
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1004080673
Layer: 1
Color: 6

General Color:	BROWN
Mat1:	10
Most Common Material:	COARSE SAND
Mat2:	12
Mat2 Desc:	STONES
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	0.0
Formation End Depth:	7.900000095367432
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004080674
Layer:	2
Color:	2
General Color:	GREY
Mat1:	10
Most Common Material:	COARSE SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	7.900000095367432
Formation End Depth:	18.399999618530273
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004080677
Layer:	5
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	21.700000762939453
Formation End Depth:	25.899999618530273
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004080711
Layer:	1
Plug From:	0
Plug To:	6
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004080710
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	1004080671
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004080681
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-0.600000023841858
Depth To:	25.8999996185303
Casing Diameter:	15.5500001907349
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004080682
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:	1004080672
Pump Set At:	22.0
Static Level:	6.849999904632568
Final Level After Pumping:	8.359999656677246
Recommended Pump Depth:	22.0
Pumping Rate:	68.0
Flowing Rate:	
Recommended Pump Rate:	68.0
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	1004080683
Test Type:	Draw Down
Test Duration:	1
Test Level:	7.21999979019165
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1004080697
Test Type:	Draw Down

Test Duration: 20
Test Level: 7.420000076293945
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080699
Test Type: Draw Down
Test Duration: 25
Test Level: 7.420000076293945
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080708
Test Type: Recovery
Test Duration: 60
Test Level: 6.849999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080687
Test Type: Draw Down
Test Duration: 3
Test Level: 7.21999979019165
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080689
Test Type: Draw Down
Test Duration: 4
Test Level: 7.21999979019165
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080694
Test Type: Recovery
Test Duration: 10
Test Level: 6.860000133514404
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080705
Test Type: Draw Down
Test Duration: 50
Test Level: 7.489999771118164
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080684
Test Type: Recovery
Test Duration: 1
Test Level: 7.28000020980835
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080686
Test Type: Recovery
Test Duration: 2
Test Level: 7.260000228881836
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080700
Test Type: Recovery
Test Duration: 25
Test Level: 6.849999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080701
Test Type: Draw Down
Test Duration: 30
Test Level: 7.400000095367432
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080690
Test Type: Recovery
Test Duration: 4
Test Level: 7.929999828338623
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080695
Test Type: Draw Down
Test Duration: 15
Test Level: 7.46999979019165
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080698
Test Type: Recovery
Test Duration: 20
Test Level: 6.860000133514404
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080704
Test Type: Recovery
Test Duration: 40
Test Level: 6.849999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080706

Test Type: Recovery
Test Duration: 50
Test Level: 6.849999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080688
Test Type: Recovery
Test Duration: 3
Test Level: 7.239999771118164
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080696
Test Type: Recovery
Test Duration: 15
Test Level: 6.860000133514404
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080693
Test Type: Draw Down
Test Duration: 10
Test Level: 7.519999980926514
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080692
Test Type: Recovery
Test Duration: 5
Test Level: 6.869999885559082
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080702
Test Type: Recovery
Test Duration: 30
Test Level: 6.849999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080685
Test Type: Draw Down
Test Duration: 2
Test Level: 7.210000038146973
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004080691
Test Type: Draw Down
Test Duration: 5
Test Level: 7.21999979019165
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:	1004080703
Test Type:	Draw Down
Test Duration:	40
Test Level:	7.400000095367432
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1004080707
Test Type:	Draw Down
Test Duration:	60
Test Level:	8.359999656677246
Test Level UOM:	m

Water Details

Water ID:	1004080680
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	25.899999618530273
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004080678
Diameter:	24.700000762939453
Depth From:	0.0
Depth To:	6.0
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1004080679
Diameter:	15.550000190734863
Depth From:	6.0
Depth To:	25.899999618530273
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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11 ***1 of 1*** ***NW/101.8*** ***97.9 / 3.06*** ***ON*** ***BORE***

Borehole ID:	611775	***Inclin FLG:***	No
OGF ID:	215513089	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:		***Municipality:***	
Static Water Level:	7.6	***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.218946
Total Depth m:	-999	***Longitude DD:***	-75.715527
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	443821
Drill Method:		***Northing:***	5007522
Orig Ground Elev m:	99.1	***Location Accuracy:***	

Elev Reliabil Note: ***Accuracy:*** Not Applicable
DEM Ground Elev m: 98.9
Concession:
Location D:
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID: 218389172 ***Mat Consistency:***
Top Depth: 11.6 ***Material Moisture:***
Bottom Depth: 18.3 ***Material Texture:***
Material Color: ***Non Geo Mat Type:***
Material 1: Boulders ***Geologic Formation:***
Material 2: ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: BOULDERS. WATER STABLE AT 300.0 FEET.

Geology Stratum ID: 218389171 ***Mat Consistency:***
Top Depth: 0 ***Material Moisture:***
Bottom Depth: 11.6 ***Material Texture:***
Material Color: ***Non Geo Mat Type:***
Material 1: Clay ***Geologic Formation:***
Material 2: ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: CLAY.

Geology Stratum ID: 218389173 ***Mat Consistency:***
Top Depth: 18.3 ***Material Moisture:***
Bottom Depth: ***Material Texture:***
Material Color: ***Non Geo Mat Type:***
Material 1: Gravel ***Geologic Formation:***
Material 2: ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: GRAVEL. NE. Y = 3700. BEDROCK. SEISMIC VELOCITY = 15000. BEDROCK. SEISMIC VELOCITY **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type: Data Survey ***Source Appl:*** Spatial/Tabular
Source Orig: Geological Survey of Canada ***Source Iden:*** 1
Source Date: 1956-1972 ***Scale or Res:*** Varies
Confidence: M ***Horizontal:*** NAD27
Observatio: ***Verticalda:*** Mean Average Sea Level
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 042830 NTS_Sheet: 31G04G
Confiden 1: Reliable information but incomplete.

Source List

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	1 of 1	WNW/129.9	99.4 / 4.55	lot 1 con 2 ON	WWIS

Well ID:	1505884	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	5/30/1957
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1301
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	RF
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\1505884.pdf

Additional Detail(s) (Map)

Well Completed Date:	1957/03/15
Year Completed:	1957
Depth (m):	24.384
Latitude:	45.2189428619461
Longitude:	-75.7160367805687
Path:	150\1505884.pdf

Bore Hole Information

Bore Hole ID:	10027927	**Elevation:**	99.926071
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	443780.70
Code OB Desc:	Overburden	**North83:**	5007522.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	15-Mar-1957 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:	931003204
Layer:	3
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 60.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931003203
Layer: 2
Color:
General Color:
Mat1: 13
Most Common Material: BOULDERS
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 38.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931003202
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: 38.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961505884
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10576497
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930048609
Layer: 1
Material: 1

Open Hole or Material:	STEEL
Depth From:	
Depth To:	9
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930048611
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	80
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930048610
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	74
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991505884
Pump Set At:	
Static Level:	22.0
Final Level After Pumping:	25.0
Recommended Pump Depth:	
Pumping Rate:	6.0
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:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933459909
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80.0
Water Found Depth UOM:	ft

13	***1 of 1***	***NE/130.9***	***94.3 / -0.54***	***Bankfield Road and Prince of Wales Ottawa ON***	***EHS***

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

Order No:	20180405073	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	26-JUL-18	**Search Radius (km):**	.25
Date Received:	05-APR-18	**X:**	-75.713528
Previous Site Name:		**Y:**	45.21903
Lot/Building Size:			
Additional Info Ordered:	City Directory; Aerial Photos		

14	1 of 1	SW/197.5	98.6 / 3.73	lot 1 con 1 ON	WWIS

Well ID:	1513828	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	2/11/1974
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment 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:**	001
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	CON
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/151\1513828.pdf

Additional Detail(s) (Map)

Well Completed Date:	1973/10/18
Year Completed:	1973
Depth (m):	25.2984
Latitude:	45.2168347398648
Longitude:	-75.7163159860436
Path:	151\1513828.pdf

Bore Hole Information

Bore Hole ID:	10035810	**Elevation:**	96.952919
DP2BR:	74.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	443756.70
Code OB Desc:	Bedrock	**North83:**	5007288.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	18-Oct-1973 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931024585
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	74.0
Formation End Depth:	83.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931024584
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	65.0
Formation End Depth:	74.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931024583
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:	65.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961513828
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10584380

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930063315
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 76
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930063316
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 83
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513828
Pump Set At:
Static Level: 20.0
Final Level After Pumping: 50.0
Recommended Pump Depth: 50.0
Pumping 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 Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934898727
Test Type: Draw Down
Test Duration: 60
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934641256
Test Type: Draw Down
Test Duration: 45
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934099607
Test Type:	Draw Down
Test Duration:	15
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934380264
Test Type:	Draw Down
Test Duration:	30
Test Level:	50.0
Test Level UOM:	ft

Water Details

Water ID:	933469556
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	79.0
Water Found Depth UOM:	ft

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15 ***1 of 1*** ***SSW/228.5*** ***97.9 / 3.03*** ***lot 1 con 1 ON*** ***WWIS***

Well ID:	1506699	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	4/3/1956
Sec. Water Use:	0	***Selected Flag:***	True
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:***	001
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	CON
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\1506699.pdf

Additional Detail(s) (Map)

Well Completed Date:	1956/02/01
Year Completed:	1956
Depth (m):	12.8016
Latitude:	45.2162453918734
Longitude:	-75.7155571686122
Path:	150\1506699.pdf

Bore Hole Information

Bore Hole ID:	10028735	***Elevation:***	96.347465
DP2BR:	24.00	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	443815.70
Code OB Desc:	Bedrock	***North83:***	5007222.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	01-Feb-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:	931005295
Layer:	3
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	24.0
Formation End Depth:	42.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931005293
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	20.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931005294
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	

Mat3:
Mat3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 24.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961506699
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10577305
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930050197
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 24
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930050198
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 42
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506699
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 14.0
Recommended Pump Depth:
Pumping Rate: 4.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0

Flowing: No

Water Details

Water ID: 933460863
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 42.0
Water Found Depth UOM: ft

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16 ***1 of 1*** ***SSW/228.6*** ***97.9 / 3.03*** ***ON*** ***BORE***

Borehole ID: 611761
OGF ID: 215513076
Status:
Type: Borehole
Use:
Completion Date: FEB-1956
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 12.8
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 97.5
Elev Reliabil Note:
DEM Ground Elev m: 96.3
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.216245
Longitude DD: -75.715557
UTM Zone: 18
Easting: 443816
Northing: 5007222
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218389141
Top Depth: 7.3
Bottom Depth: 12.8
Material Color:
Material 1: Limestone
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: LIMESTONE. 00042UNSPECIFIED. SEISMIC VELOCITY = 2800. UNSPECIFIED. SEISMIC VELOCITY = 5400.

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

Geology Stratum ID: 218389139
Top Depth: 0
Bottom Depth: 6.1
Material Color:
Material 1: Soil
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SOIL.

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

Geology Stratum ID: 218389140
Top Depth: 6.1
Bottom Depth: 7.3
Material Color:

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:

Material 1:	Gravel	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 04269 NTS_Sheet:		
Confiden 1:			

Source List

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

Unplottable Summary

Total: 13 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 1 Con A	Rideau ON	
CA	R.M. OF OTTAWA-CARLETON	PRINCE OF WALES DR.	OTTAWA CITY ON	
CA	OTTAWA CITY	PRINCE OF WALES	OTTAWA CITY ON	
CA	OTTAWA CITY	PRINCE OF WALES DR.	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARLETON	PRINCE OF WALES DR.	OTTAWA CITY ON	
ECA	City of Ottawa	Prince of Wales Dr Barnsdale Road	Ottawa ON	K2G 6J8
GEN	Dalcon	Central Experimental Farm, Prince of Whales Drive	Ottawa ON	K1M 0M3
GEN	PUBLIC WORKS CANADA	CHP, Central Experimental Farm, Prince Of Wales Dr	Ottawa ON	K1A 0M3
PRT	BAKKER HENRY BAKKERS GENERAL STORE	LOT 1 CON 2	MANOTICK STATION ON	
SPL	TRANSPORT TRUCK	REG. RD # 8. MOTOR VEHICLE (OPERATING FLUID)	RIDEAU TOWNSHIP ON	
SPL	Ryder Truck Rental Canada Ltd.	Bankfield Road at Bankfield Road and Prince of Wales Drive	Ottawa ON	
SPL	Veolia ES Canada Industrial Services Inc.	East shoulder of Prince of Wales Drive	Ottawa ON	
SPL	Ultramar Ltd.	Prince of Wales Drive, near Dow's Lake traffic circle NEAR DOW'S LAKE TRAFFIC CIRCLE<UNOFFICIAL>	Ottawa ON	

Unplottable Report

Site:
Lot 1 Con A Rideau ON

Database:
AAGR

Type:	Pit
Region/County:	Ottawa-Carleton
Township:	Rideau
Concession:	A
Lot:	1
Size (ha):	1.1
Landuse:	
Comments:	

Site: ***R.M. OF OTTAWA-CARLETON***
PRINCE OF WALES DR. OTTAWA CITY ON

Database:
CA

Certificate #:	7-1664-87-
Application Year:	87
Issue Date:	11/4/1987
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***OTTAWA CITY***
PRINCE OF WALES OTTAWA CITY ON

Database:
CA

Certificate #:	3-1898-87-
Application Year:	87
Issue Date:	10/22/1987
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***OTTAWA CITY***
PRINCE OF WALES DR. OTTAWA CITY ON

Database:
CA

Certificate #:	3-1626-89-
Application Year:	89
Issue Date:	8/16/1989
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	

Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON***
PRINCE OF WALES DR. OTTAWA CITY ON

Database: ***CA***

Certificate #: 7-1932-87-
Application Year: 87
Issue Date: 1/14/1988
Approval Type: Municipal water
Status: Approved in 1988
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa***
Prince of Wales Dr Barnsdale Road Ottawa ON K2G 6J8

Database: ***ECA***

Approval No: 6688-BPZNRS
Approval Date: 2020-06-02
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: City of Ottawa
Address: Prince of Wales Dr Barnsdale Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3011-BLAKUV-14.pdf

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Site: ***Dalcon***
Central Experimental Farm, Prince of Whales Drive Ottawa ON K1M 0M3

Database: ***GEN***

Generator No: ON9858804
Status:
Approval Years: 02,03,04
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Site: ***PUBLIC WORKS CANADA***
CHP, Central Experimental Farm, Prince Of Wales Dr Ottawa ON K1A 0M3

Database: ***GEN***

Generator No: ON0144725
Status:
Approval Years: 02,03,04
Contam. Facility:
MHSW Facility:
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

SIC Code:
SIC Description:

Detail(s)

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 222
Waste Class Desc: HEAVY FUELS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

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

Site: ***BAKKER HENRY BAKKERS GENERAL STORE***
LOT 1 CON 2 MANOTICK STATION ON

Database: ***PRT***

Location ID: 8406
Type: retail
Expiry Date: 1994-11-30
Capacity (L): 2000
Licence #: 0035112001

Site: ***TRANSPORT TRUCK***
REG. RD # 8. MOTOR VEHICLE (OPERATING FLUID) RIDEAU TOWNSHIP ON

Database: ***SPL***

Ref No:	150051	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	12/8/1997	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	***Sector Type:***	
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:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	20612
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	FD
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	12/8/1997	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	UNKNOWN	***Source Type:***	

Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: TRANSPORT TRUCK- DIESEL LEAK TO REG. RD & DITCH, MVA, FD ON SITE.
Contaminant Qty:

Site: ***Ryder Truck Rental Canada Ltd.*** ***Database:*** ***SPL***
Bankfield Road at Bankfield Road and Prince of Wales Drive Ottawa ON

Ref No:	8502-AW6RVD	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	2018/02/20	***Health/Env Conseq:***	2 - Minor Environment
Year:		***Client Type:***	Corporation
Incident Cause:		***Sector Type:***	Miscellaneous Industrial
Incident Event:	Collision/Accident	***Agency Involved:***	
Contaminant Code:	13	***Nearest Watercourse:***	
Contaminant Name:	DIESEL FUEL	***Site Address:***	Bankfield Road at Bankfield Road and Prince of Wales Drive
Contaminant Limit 1:		***Site District Office:***	Ottawa
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:	1202	***Site Region:***	Eastern
Environment Impact:		***Site Municipality:***	Ottawa
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:	Land; Source Water Zone	***Northing:***	5007418.38
MOE Response:	No	***Easting:***	443788.26
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2018/02/20	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Land Spills
Incident Reason:	Operator/Human Error	***Source Type:***	Truck - Only Saddle Tanks

Site Name: Roadway<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: PLEASE DELETE: REPLICATE OF 2105-AW6QSF
Contaminant Qty: 0 other - see incident description

Site: ***Veolia ES Canada Industrial Services Inc.*** ***Database:*** ***SPL***
East shoulder of Prince of Wales Drive Ottawa ON

Ref No:	7471-9DGR68	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	2013/11/15	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Leak/Break	***Sector Type:***	Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	East shoulder of Prince of Wales Drive
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	Ottawa
Nature of Impact:	Other Impact(s)	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2013/11/15	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Land Spills
Incident Reason:	Equipment Failure	***Source Type:***	

Site Name: East shoulder of Prince of Wales Drive<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Veolia ES: 20 L of hydraulic oil to shoulder
Contaminant Qty: 20 L

Site: ***Ultramar Ltd.***
Prince of Wales Drive, near Dow's Lake traffic circle NEAR DOW'S LAKE TRAFFIC CIRCLE<UNOFFICIAL> Ottawa ON

Database: ***SPL***

Ref No:	8446-6RPS94	***Discharger Report:***	
Site No:		***Material Group:***	Oils
Incident Dt:	7/14/2006	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Other Transport Accident	***Sector Type:***	Tank Truck
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	ENGINE OIL	***Site Address:***	PRINCE OF WALES DRIVE, NEAR DOW'S LAKE TRAFFIC CIRCLE
Contaminant Limit 1:		***Site District Office:***	Ottawa
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:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	7/14/2006	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	Unknown - Reason not determined	***Source Type:***	
Site Name:	PRINCE OF WALES DRIVE, NEAR DOW'S LAKE TRAFFIC CIRCLE		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	engine oil spill from Ultramar truck, Prince of Wales Drive		
Contaminant Qty:	50 L		

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 Sep 2020

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

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-Dec 31, 2020

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 2018

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: Jul 31, 2020

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-Dec 31, 2020

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 -Apr 2021

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

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Nov 2020

Certificates of Property Use: Provincial CPU

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- Jun 30, 2021

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: Jul 31, 2020

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- Jun 30, 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- Jun 30, 2021

Environmental Compliance Approval: Provincial ECA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011- Jun 30, 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-Jan 31, 2021

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: 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: Jul 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 FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Apr 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

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: Jul 31, 2020

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Apr 30, 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 INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

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

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, 2019

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-Mar 31, 2021

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Feb 28, 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-Jun 2020

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-Apr 30, 2021

Canadian Pulp and Paper: Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks: Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011- Jun 30, 2021

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: 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- Jun 30, 2021

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, 1992-2018

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-Jun 2021

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-Dec 31, 2020

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Aug 2020

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2018

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.
Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

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- Jun 30, 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

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: Apr 30, 2021

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

Mandy Witteman, M.A.Sc., P.Eng.
Intermediate Environmental Engineer

Mandy joined Paterson Group in June 2018 as part of the Environmental Department. Mandy received her Bachelor of Engineering from Carleton University in 2008, specializing in Environmental Engineering. Following graduation, Mandy gained experience in the private sector conducting Phase II ESAs and reporting GHG emission inventories. In 2009, Mandy began her post-graduate degree in a Master of Applied Science, specializing in applied unsaturated soil mechanics with applications to geomechanical designs of subsurface tailing structures. Mandy has published in the Canadian Geotechnical Journal, as well as the International Conference Geo/Paste Proceedings in 2010 and 2011. Following post-graduate, Mandy joined the Tailings Group at Thurber Engineering Ltd. in Calgary, where she applied knowledge gained from her post-graduate research in designing and developing bench scale and pilot programs that were implemented by oil sand operators in Fort McMurray. Additionally, Mandy also worked as a QA/QC engineer on a slurry wall construction at a Potash Mine. Her scope of work included daily in-situ testing of the construction materials used for QA/QC purposes, as well as managing and supervising daily construction activities. Since joining Paterson Group in 2018, Mandy has worked on numerous residential and commercial developments, predominantly within the National Capital Region. Her scope of work consists of managing and conducting Phase I and II ESAs, reporting and managing subsurface programs, and liaising with subcontractors, clients and consultants.

EDUCATION

Bachelor of Engineering in Environmental Engineering, 2008
Carleton University
Ottawa, Ontario

Master of Applied Science in Environmental Engineering, 2013
Carleton University
Ottawa, Ontario

ASSOCIATIONS/AFFILIATIONS

Ontario Professional Engineers Association

Ottawa Geotechnical Group

YEARS OF EXPERIENCE

Paterson Group: 4

Thurber Engineering: 2

Carleton University: 4

SELECT LIST OF PROJECTS

- Grey Hound Bus Terminal: 265 Catherine Street, Ottawa, ON (Phase I – II ESAs, Remediation Action Plan)
- Residential Development: 550 King Street West, Brockville, ON (Phase I ESA - Enhanced Investigation Property, Phase II ESA)
- Redevelopment Project: 10 McArthur Avenue, Ottawa, ON (Phase I & II ESAs, Record of Site Condition)
- Mixed-Use Redevelopment Project:438 Albert Street, Ottawa, ON (Phase I & II ESAs, Record of Site Condition)
- Mixed-Use Redevelopment Project: 900 Albert Street, Ottawa, ON (Phase II ESA)
- Mixed-Use Redevelopment Project: 108 Nepean Street, Ottawa, ON (Phase I & II ESAs, Record of Site Condition)
- Mixed-Use Redevelopment Project: 450 Rochester Street, Ottawa, ON (Phase I & II ESAs, Record of Site Condition)
- Mixed-Use Redevelopment Project: 829 Carling Avenue, Ottawa, ON (Phase I & II ESAs)

Mark S. D'Arcy, P. Eng.

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Associate and Supervisor of the Environmental Division
Senior Environmental/Geotechnical Engineer

EDUCATION

Queen's University, B.A.Sc.Eng, 1991
Geotechnical / Geological Engineering

MEMBERSHIPS

Ottawa Geotechnical Group
Professional Engineers of Ontario

EXPERIENCE

1991 to Present
Paterson Group Inc.
Associate and Senior Environmental/Geotechnical Engineer
Environmental and Geotechnical Division
Supervisor of the Environmental Division

SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island
Agricultural Supply Facilities - Eastern Ontario
Laboratory Facility – Edmonton (Alberta)
Ottawa International Airport - Contaminant Migration Study - Ottawa
Richmond Road Reconstruction - Ottawa
Billings Hurdman Interconnect - Ottawa
Bank Street Reconstruction - Ottawa
Environmental Review – Various Laboratories across Canada - CFIA
Dwyer Hill Training Centre – Ottawa
Nortel Networks Environmental Monitoring - Carling Campus – Ottawa
Remediation Program - Block D Lands – Kingston
Investigation of former landfill sites – City of Ottawa
Record of Site Condition for Railway Lands – North Bay
Commercial Properties – Guelph and Brampton
Brownfields Remediation – Alcan Site - Kingston
Montreal Road Reconstruction - Ottawa
Appleford Street Residential Development - Ottawa
Remediation Program - Ottawa Train Yards
Remediation Program - Bayshore and Heron Gate
Gladstone Avenue Reconstruction – Ottawa
Somerset Avenue West Reconstruction - Ottawa