

Phase I Environmental Site Assessment

1185 Beaverwood Road Manotick, Ontario

Prepared for ARK Construction Ltd.

Report: PE5615-1R January 9, 2023

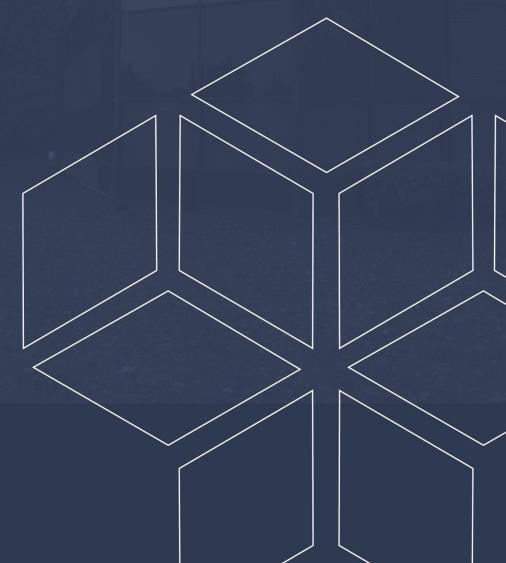




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EXECUTIVE SUMMARY

Assessment

A Phase I - Environmental Site Assessment (ESA) was carried out for the property addressed 1185 Beaverwood Road in the City of Ottawa (Manotick), Ontario. The purpose of this environmental assessment was to research the past and current use of the site and adjacent properties and identify any environmental concerns with the potential to have impacted the subject site.

The review of available historic information indicates that the Phase I Property was previously comprised of agricultural land with a farmstead, before being used solely for residential purposes following adjacent residential development in the early 1970s. Based on the available aerial photographs, the present residential dwelling and detached garage (farmstead buildings) was constructed prior to 1936, and between 1936 and 1960, respectively.

Surrounding properties have historically been used for agricultural purposes prior to development in the early 1970s. Following the development of the general area of the Phase I Property, properties to the west and north were used for residential purposes. Commercial buildings were developed east and northeast of the Phase I Property, across Scheffield Road, including five (5) historical activities considered to represent off-site PCAs. Based on the separation distances (95 m to 195 m) and downgradient orientations with respect to the subject site (east to northeast relative to the Phase I Property), these PCAs are not considered to represent APECs with respect to the Phase I Property.

A review of previous groundwater studies and engineering reports completed in the immediate area, the VOC impacted groundwater results showed higher concentrations north-east and south-east of the former dry-cleaner, illustrating that the plume has been migrating towards the Rideau River, away from the Phase I Property. Furthermore, no VOC concentrations were identified in a groundwater monitoring well situated on the northern property boundary of 5547 Scharfield Road, across the Phase II Property (Duke Engineering & Services, 2000).

Based on our review of the available environmental records as well as the previous engineering report, the dry-cleaning VOC plume is not expected to have migrated beneath Phase I Property.

Following the historical research, a site visit was conducted to assess existing potential areas of concern. No new PCAs were identified with the current use of the Phase I Property or properties within the Phase I Study Area.



Based on the findings of our assessment, it is our opinion that a Phase II-Environmental Site Assessment is not required for the Phase I Property.

Recommendations

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

If any groundwater wells are encountered during construction, they shall be abandoned according to Ontario Regulation 903.



1.0 INTRODUCTION

At the request of ARK Construction Ltd., Paterson Group (Paterson) conducted a Phase I Environmental Site Assessment (Phase I ESA) for the property addressed 1185 Beaverwood Road, in Manotick (Ottawa), Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and 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. Anthony Nicolini of ARK Construction Ltd. Mr. Nicolini can be contacted at 255 Michael Cowpland Drive, Ottawa, ON K2M 0M5.

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

This Phase I-ESA report has been prepared under the supervision of a Qualified Person, in general accordance with Ontario Regulation (O.Reg.) 153/04, as amended under the Environmental Protection Act, and also complies with 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.



2.0 PHASE I PROPERTY INFORMATION

Address: 1185 Beaverwood Road, Ottawa (Manotick), Ontario.

Legal Description: Part of Lot 2, Concession A, (Geographic Township of

North Gower), City of Ottawa, Ontario.

Location: The Phase I Property is located northwest of the

intersection of Beaverwood Road and Scharfield Road, in the City of Ottawa (Manotick), Ontario. Refer to

Figure 1 - Key Plan for the site location.

Latitude and Longitude: 45° 13' 25" N, 75° 41' 12" W

Site Description:

Configuration: Irregular

Site Area: 0.235 ha (approximately)

Zoning: V1P - Village Residential First Density Zone

Current Use: The Phase I Property is occupied by a 1-1/2 storey

residential dwelling and detached garage and is

currently used for residential purposes.

Services: The subject site is municipally serviced and is located

in a municipally and privately serviced area.



3.0 SCOPE OF INVESTIGATION

e scope of work for this Phase I – Environmental Site Assessment was as lows:
Determine the historical activities on the subject site 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 ESA Property and study area by conducting site reconnaissance;
Conduct interviews with persons knowledgeable of current and historic operations on the Phase I ESA Property, and if warranted, neighbouring properties;
Present the results of our findings in a comprehensive report in general accordance with the requirements O.Reg. 153/04 as amended 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

According to the aerial photographs, the first developed use of the property was residential, prior to 1936.

Fire Insurance Plans

Fire insurance plans (FIPs) are not available for the area of the Phase I Porperty.

City of Ottawa Street Directories

City directories for the area of the subject site were reviewed from 1980 to 2011. The subject site and neighbouring properties were not listed in the directories in 1982 or prior. In 1992 and 2000, the Phase I property and neighbouring properties were listed as residential. In 2010, some commercial properties (offices, retail, restaurants) were listed to the east and north, including Manotick Printing Services (1165 Beaverwood Drive) approximately 95 m east-northeast. Based on the separation distance and downgradient orientation with respect to the Phase I Property, this property is not considered to represent an APEC on the Phase I Property.

Survey Plan

A survey plan prepared for the subject site was reviewed as part of this assessment. The plan, prepared by Annis, O'Sullivan, Vollebekk Ltd. on January 12, 2021, shows the site in its current configuration. The survey plan is included in Appendix 1.

Geotechnical Subsurface Investigation

A geotechnical subsurface investigation was completed in conjunction with the Phase I ESA. The field investigation, completed on March 1, 2022, consisted of four (4) boreholes extending to depths ranging from 0.23 m to 4.52 m below existing ground surface.



The deeper borehole (4.52 m bgs) was also instrumented with a groundwater monitoring well. Based on this investigation, the subsurface profile generally consists of a thin layer of topsoil and fill material (gravel driveway and reworked native soil) over a very stiff to hard silty clay and glacial till, consisting of silty sand to sandy silt with gravel and occasional cobbles and boulders. A groundwater level of 3.14 m bgs was recovered for the on-site monitoring well (BH4-22) on March 9, 2022.

No environmental concerns were identified as a result of the geotechnical field investigation.in communication wit the

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on January 6, 2023. The subject site was not listed in the NPRI database. No records of pollutant release were listed in the database for properties located within the Phase I Study Area.

PCB Inventory

A search of Ontario PCB waste storage sites was conducted electronically on January 6, 2023 as part of this assessment. No PCB waste storage sites were identified in the Phase I Study Area.

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

A request was submitted to the MECP Freedom of Information 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.

A response from the MECP Freedom of Information (FOI) was received on September 27, 2022. After a thorough search through 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 as per our request. A copy of the MECP response is provided in Appendix 2.



MECP Incident Reports

A request was submitted to the MECP Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP for the subject site or adjacent properties. A response from the MECP Freedom of Information (FOI) was received on September 27, 2022. Based on the MECP FOI response, no records were located as per our request. A copy of the MECP response is provided in Appendix 2.

MECP Waste Management Records

A request was submitted to the MECP Freedom of Information office for information with respect to waste management records. A response from the MECP Freedom of Information (FOI) was received on September 27, 2022. Based on the MECP FOI response, no records were located as per our request. A copy of the MECP response is provided in Appendix 2.

MECP Submissions

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions. A response from the MECP Freedom of Information (FOI) was received on September 27, 2022. Based on the MECP FOI response, no records were located as per our request. A copy of the MECP response is provided in Appendix 2.

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 listed for the subject site or properties within a 250-metre search radius.

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 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 coal gasification plants were identified 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) on February 22, 2022. 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 on February 24, 2021, to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. No TSSA related records were identified on the Phase I ESA Property or within the Phase I Study Area.

According to the ERIS report, several TSSA related records were identified 100 m or more away from the Phase I ESA Property and as such, these records are not considered represent APECs on the Phase I ESA Property. A copy of the TSSA correspondence and ERIS report are provided in Appendix 2.

City of Ottawa Historical Land Use Inventory (HLUI)

A response from the City of Ottawa's HLUI database search request was received on April 21, 2022. The results of the HLUI database indicated that there were no activities associated with the Phase I Property.

The City's Environmental Remediation Unit has identified environmental records on file pertaining to the Phase I Property noted on either directly on or next to the Phase I Property. A request has been made for any additional information pertaining to these environmental records, which are expected to be available to Paterson at the end of January 2023 to mid February 2023.

The HLUI response letter indicated that the Phase I Property is potentially situated within the cusp of an environmental risk management area, where lies a volatile organic compound (VOC) groundwater plume, as a result of a historical off-site dry-cleaner at 1166 Beaverwood Road.

The dry-cleaning by-product plume is not expected to have migrated beneath the Phase I Property, which is situated northwest of the former dry-cleaner.



Based on previous groundwater studies and engineering reports completed in the immediate area, the VOC impacted groundwater results show higher concentrations north-east and south-east of the former dry-cleaner, which illustrates the plume migrating towards the Rideau River. Furthermore, no VOC concentrations were identified in a groundwater monitoring well situated on the northern property boundary of 5547 Scharfield Road, across from the Phase II Property (Duke Engineering & Services, 2000).

Based on the review of the HLUI results, three (3) historical off-site potentially contaminating activities (PCAs) were identified in the HLUI search results: a former dry-cleaner was identified at 1166 Beaverwood Road, approximately 185 m southeast; an automotive repair/service garage at 5536 Ann Street, approximately 135 m northeast; and, a former retail fuel outlet at 5547 Main Street, more than 250 m east of the Phase I Property.

Based on the sufficient separation distance and down-gradient or cross-gradient orientation relative to the Phase I Property, in combination with the historical groundwater quality results, these PCAs are not considered to represent areas of potential environmental concern (APECs). A copy of the HLUI response is provided in Appendix 2.

Environmental Risk Information Services (ERIS) Report

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I ESA Property and properties within the 250 m study area.

Based on the ERIS search, there are no records identified for the Phase I Property.

A total of 103 records from various databases were identified in the ERIS search within the 250 m search radius, including borehole records, Certificates of Approval (CAs) and Environmental Compliance Approvals (ECAs), historical ERIS searches, Ontario Well Records, Ontario Waste Generators, historic spills and incidents, Non-Compliance Reports, Pesticide Registry Records, and Scott's Manufacturing Directory records.

It should be noted that the bulk of the records in the ERIS report, identified as PCAs, were considered sufficiently far enough away from the Phase I Property that there is no potential to pose any risk to the Phase I Property.

Certificates of Approval (CAs) and Environmental Compliance Approvals (ECAs) found within the search radius were comprised of private and municipal sewer works and air approvals.



Thirty-five (35) well records were recovered from within the 250 m search radius, including domestic drinking wells, commercial water supply wells and agricultural livestock wells. Borehole records recovered in the Phase I Study Area included geological survey holes from 1972.

Based on the available well and borehole records, the local topography east of the Phase I Property varies and slopes in the direction of the Rideau River.

The Phase I Property is situated at a higher elevation sloping down towards the southeast. The reported strata within the Phase I Study Area generally consists of clay and/or sandy till over limestone and dolomite bedrock, ranging from approximately 4 to 12 m below ground surface.

Twenty-six (26) registered Ontario Waste Generators were identified in the 250 m search radius. The majority of these records pertained to a veterinarian clinic located at 5547 Scharfield Road, approximately 20 m east of the Phase I Property. The reported waste by-products included pharmaceutical, pathological and photo imagining (x-ray) wastes. The nature of these waste streams at the neighbouring property is not considered to pose any risk to the Phase I Property. The remaining waste generation records were identified at 5572 Dr. Leach Drive, approximately 140 m south of the Phase I Property. The reported waste streams included waste fuel, oils, sludges and lubricants associated with the City of Ottawa's recreational and grounds keeping equipment. Based on the sufficient separation distance and down/cross-gradient orientation relative to the Phase I Property, this waste generator is not considered to pose any risk to the Phase I Property.

Historical spills within the search radius included gaseous emissions (natural gas) from pipeline strikes located at 1160 Beaverwood Road. Due to the nature of these emissions, they are not considered to have the potential to have impacted the subject site. A historical UST fuel oil spill (1992) and former retail fuel outlet was identified at the property addressed 5549 Ann Street, approximately 175 m northeast of the Phase I Property.

Based on the separation distance and downgradient orientation with respect to the Phase I Property, the former retail fuel outlet and associated spill is not considered to represent an APEC with respect to the Phase I Property.

The non-compliance records, identified in the ERIS report, pertained to a non-compliance of a CA for the property at 65 Village Walk Private, approximately 185 m southeast of the Phase I Property. Based on the separation distance and orientation relative the Phase I Property, the non-compliance of this property is not a potential environmental concern.



The pesticide registry records identified in the ERIS pertained to commercial retailers (i.e., Home Hardware) located sufficiently far enough (190 m southeast) from the Phase I Property, that the storing and selling of pesticides is not considered a potential environmental concern in relation to the Phase I Property.

The Scott's Manufacturing Directory included records for 1165 Beaverwood Drive (formerly 1165 John Street) including previous commercial printing and publishing activities (Manotick Printing Services), and explosives manufacturing (Implo-Tec Research Canada).

Based on the separation distance (approximately 95 m) and downgradient orientation with respect to the Phase I Property, this former activity is not considered to represent an area of potential environmental concern with respect to the Phase I Property. No dry-cleaner or waste generator of dry-cleaning chemicals or other pertinent records were identified in the ERIS report. A copy of the ERIS report is provided 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. Based on the review, the following observations have been made:

- The Phase I Property appears to be agricultural land with a farmstead. A residential dwelling is present on the Phase I Property at this time. Surrounding properties include agricultural land and occasional farmsteads. Beaverwood Road is visible at this time.
- Some additional agricultural use buildings have been constructed on a larger parcel containing the Phase I Property, including the detached garage building presently on the Phase I Property. Some commercial buildings appear to be present further east and north at this time. Scharfield Road is visible at this time.
- 1975 Residential dwellings have been constructed to the west and north of the Phase I Property. A community arena and park appears to be present southwest of the Phase 1 Property, across Beaverwood Road, Some commercial buildings have been constructed to the east of the Phase I Property, across Scharfield Road. The Phase I Property appears to be used for residential purposes at this time.



1983	Some additional residential dwellings have been constructed further north of the Phase I Property, and some additional commercial buildings are present further west. No significant changes appear to have been made to the Phase I Property or adjacent properties.
1996	No significant changes appear to have been made to the subject site or surrounding properties.
2007	(City of Ottawa, geoOttawa) A residential development has been constructed south of the Phase I Property, across Beaverwood Road. No significant changes appear to have been made to the Phase I Property or adjacent properties.
2019	(City of Ottawa, geoOttawa). No significant changes appear to have been made to the Phase I Property or adjacent properties.

Copies of selected aerial photographs reviewed are included in Appendix 1.

Topographic Maps

Topographic information was obtained from the City of Ottawa "Geo Ottawa" website and Natural Resources Canada – The Atlas of Canada website. The topographic maps indicate that the elevation of the subject site is approximately 100 m ASL, and that the regional topography in the general area of the site slopes gradually downward to the northeast. 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 subject site 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 beneath the site area consists of Paleozoic dolomite of the Oxford Formation. Surficial soils were identified to consist of offshore marine sediments (clay and silt), and drumlinized till, with a drift thickness of 5 to 10 metres.



Water Well Records

A search of the MECP website identified forty-seven (47) off-site well records in the Phase I Study Area, including domestic drinking wells, commercial water supply wells and agricultural livestock wells. Based on the available well records, the strata within the Phase I Study Area generally consists of clay and/or sandy till over limestone and dolomite bedrock, ranging from approximately 4 to 12 m below ground surface.

Based on domestic potable well records in the vicinity of the Phase I Property, the residential properties adjacent west and north of the Phase I Property were developed in approximately 1971 to 1973.

A well abandonment record for the Phase I Property was not identifed during the MECP well record search. The recent site visit did not identify any existing potable wells on-site. As discussed in the Phase I ESA report, it is very likely that the former domestic well on-site was decommissioned once municipal water services were installed at the Phase I Property in 1993. However, if a well is encountered during construction, it will be confirmed that the well has been decommissioned.

A copy of the well records has been included in Appendix 2.

Areas of Natural Significance

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

Water Bodies

No natural water bodies were identified in the Phase I Study Area.

5.0 INTERVIEWS

Property Owner Representative(s)

As part of this assessment, Mr. Anthony Nicolini of ARK Construction Ltd was available to respond to questions on behalf of the current property owner (Nivo Holdings Inc.).

According to Mr. Nicolini, the property was previously owned by the Scharf family (previous owner: Estate of Ivey Elizabeth Scharf) since severance in 1971. Mr. Nicolini is not aware of any historical uses of the Phase I Property with the potential to impact the environmental condition of the Phase I Property.

An interview with someone with long-term knowledge of the Phase I Property, particularly a member of the Scharf family, has not been possible to date.



We continue to make the effort to interview someone with extensive knowledge of the property; however, up to this point, we have not been successful.

Any other pertinent information obtained during the interview has been included in the relevant sections of this report.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site assessment was conducted on February 23, 2022. Weather conditions consisted of clear sky, with a temperature of approximately -10°C. The site was snow covered at the time of the visit. Mr. Jesse Andrechek from the Environmental Department of Paterson Group conducted the site visit. 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.

A second site visit was carried out on November 25, 2022. Weather conditions consisted of clear sky, with a temperature of approximately 3 °C. The site surface was free of snow at the time that Mr. Grant Paterson from the Environmental Department of Paterson Group conducted the site visit.

Based on the recent site visit, no signs of staining, stressed vegetation or ponded water was observed on the ground surface. No potable groundwater well was noted on-site at the time of the site visit. No new changes were noted on-site at the time of the site visit.

6.2 Specific Observations at the Phase I Property

Site Features

The Phase I Property features a gravel driveway with two (2) entrances extending from Beaverwood Road to the residential dwelling and detached garage building in the western portion of the Phase I Property.

The eastern portion of the Phase I Property is undeveloped (grassed covered), although it should be noted that the site was snow covered at the time of the site visit. Some tree coverage is present along the property perimeter, as well as in the central portion of the site.

The site topography as well as regional topography slopes downward in an east-northeast direction. A copy of the topographic plan is included in Figure 2 following the body of this report.



Residential Dwelling

The Phase I Property contains a 1-1/2 storey residential dwelling, with a basement, located in the western-central portion of the Phase I Property. Based on the available aerial photographs, the residential dwelling (farmstead building) was originally constructed prior to 1936. The residential dwelling is finished on the exterior with painted wood siding, and features masonry block foundation walls and a sloped and shingled roof. A natural gas meter, as well as vent and fill pipes, are located on the southern building face.

Detached Garage

A detached garage building is present in the northwest corner of the site. Based on the available aerial photographs, the detached garage (farmstead building) was originally constructed between 1936 and 1960. This building features wood frame construction and is finished on the exterior with painted wood siding and a metal roof.

The detached garage is currently used for general storage and housing maintenance equipment. No environmental concerns were identified with respect to the detached garage building.

Subsurface Services and Utilities

The Phase I Property is situated in a municipally serviced area. Underground utilities and/or structures includes electricity, natural gas. It is our understanding that this domestic well may have been decommissioned circa 1993 when municipal water services were installed at the Phase I Property and in the immediate area, specifically east of the Phase I Property.

Below Ground Structures or Utilities

The residential dwelling receives municipal water and sewer servicing. The dwelling is serviced by natural gas. The Phase I Property was previously serviced by a private domestic drinking well.

Potential Environmental Concerns

□ Polychlorinated Biphenyls (PCBs) and Transformer Oil

A pole-mounted transformer was observed along Beaverwood Road, near the southeast corner of the Phase I Property. The transformer was observed to be in good condition, with no signs of leakage or staining.



□ Waste Management

Solid non-hazardous waste produced by the building tenants is stored against the west residential building face and removed by the City of Ottawa on a weekly basis. No concerns were identified with waste management at the time of the site visit.

Interior Assessment

A general description of the residential dwelling interior is as follows:

- The floors throughout the building consisted of linoleum, carpet, hardwood, and vinyl floor tile. The basement floor was poured concrete;
 Wall materials consisted of drywall, wood paneling, and wallpaper, with
- Wall materials consisted of drywall, wood paneling, and wallpaper, with concrete block basement foundation walls;
- The ceilings consisted of drywall and suspended ceiling tiles. The basement ceiling was unfinished;
- Lighting throughout the building was provided by incandescent and LED fixtures.

Chemical storage within the dwelling was limited to commercially-available cleaning products and paints, which were properly stored and are not considered to represent an environmental concern to the Phase I Property.

Potentially Hazardous Building Products

☐ Asbestos Containing Materials (ACMs) and Lead-Based Paints (LBPs)

Based on the age of the building, ACMs and LBPs may potentially be present. Based on visual observations of the building made at the time of the assessment, common potential ACMs include drywall joint compound, and linoleum and vinyl tile flooring. Potential ACMs and LBPs were observed to be in fair condition at the time of the site visit.

□ Polychlorinated Biphenyls (PCBs)

No fluorescent lighting fixtures were observed on the Phase I Property.

☐ Urea Formaldehyde Foam Insulation (UFFI)

No signs indicating the presence of UFFI were observed within the subject buildings during our inspection. However, wall cavities were not inspected for insulation type.



Other Potential Environmental Concerns

☐ Fuels and Chemical Storage

The residential dwelling is currently primarily heated by a standalone natural gas fireplace; however, it also contains a forced air oil furnace, with an associated fuel oil AST (aboveground storage tank) in the basement of the unit. The fuel oil furnace is not currently in use.

The fuel oil tank was observed to be a double-wall non-metallic tank, with a capacity of 620 litres, dated to 2011. The tank and associated piping were observed to be in good condition at the time of the site visit. The floor slab beneath the AST and fuel oil furnace were inspected at the time of the site visit, with no signs of staining or evidence of a historical spill noted.

No unusual visual or olfactory observations were noted in the vicinity of the AST or oil furnace. As such, the presence of the AST and oil furnace are not considered to represent an environmental risk to the subject site.

Other chemicals identified within the building was limited to small quantities household paints and cleaning supplies and were not considered to pose an environmental risk to the Phase I Property.

□ Ozone Depleting Substances (ODSs)

Potential sources of ODSs observed on site include refrigeration units and fire extinguishers. These appliances should be regularly serviced by a licensed contractor.

□ Drains, Pits and Sumps

No floor drains or sump pits were observed during the Phase I ESA site visit.

■ Mould and Moisture

At the time of the site visit, no mould or excessive moisture conditions were identified, and no damage resulting from potential previous mould or moisture presence was noted.



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 subject site is as follows:

□ North: Residential dwellings followed by Maple Avenue;

□ South: Beaverwood Road, followed by Manotick community centre

(park and arena) to the southwest, and residential dwellings

to the southeast;

☐ East: Scharfield Road, followed by a commercial department store

and an animal hospital facility, with commercial retail,

restaurants, and offices further east; and

☐ West: A residential dwelling under construction, followed by

residential dwellings.

The current uses of the adjacent properties are not considered to pose an environmental risk to the Phase I Property. Current land use within the Phase I Study Area is illustrated on Drawing PE5615-2 – Surrounding Land Use Plan in Figures following the body of this report.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The following table indicates the current and past uses of the site as well as associated potentially contaminating activities dating back to the first developed use of the site.

Table 1 - Land Use	Table 1 - Land Use History – 1185 Beaverwood Road								
Time Period	Land Use	Potentially Contaminating Activities	Areas of Potential Environmental Concern						
Prior to 1936 to Present	Residential	None	None						

Potentially Contaminating Activities (PCAs)

No Potentially Contaminating Activities (PCAs) were identified on the subject site.

Areas of Potential Environmental Concern (APEC)

No Areas of Potential Environmental Concern were identified on the subject site.



Contaminants of Potential Concern (CPC)

No contaminants of potential concern were identified, since no APECs were identified on the subject site.

7.2 Conceptual Site Model

Existing Buildings and Structures

The subject site is occupied by one (1) residential building and one (1) detached garage. A gravel driveway is present with two (2) entrances to Beaverwood Road extending to the residential dwelling and detached garage, with the remainder of the area comprised of grassed and treed area.

Geological and Hydrogeological Setting

Based on information from the Geological Survey of Canada, bedrock beneath the site area consists of Paleozoic dolomite of the Oxford Formation. Surficial soils were identified to consist of marine sediments (clay and silt) and drumlinized till, with a drift thickness of 5 to 10 metres.

Hydrogeological conditions are considered to mimic the topographic setting; as a result, groundwater is expected to flow east-northeast.

Contaminants of Potential Concern

As per Section 7.1 of this report, no CPCs were identified on the subject site.

Water Bodies

The nearest body of water is the Rideau River, located approximately 460 metres east-northeast of the Phase I Property.

Areas of Natural Significance

No areas of natural significance were identified on the Phase I Property or within the Phase I Study Area.

Drinking Water Wells

The Phase I Property was previously serviced by a domestic drinking well prior to receiving municipal water services in the 1990s. It is our understanding that the drinking water well was decommissioned at that time following municipal servicing. If a well is encountered during construction, it will be confirmed that the well has been decommissioned.



Neighbouring Land Use

Neighbouring land use in the Phase I Study Area consists of residential dwellings to the north, west, and southeast; a community park and arena to the southwest; and commercial buildings to the east, including an animal hospital, retail stores, restaurants and other commercial facilities.

Land use within the Phase I Study Area is shown on Drawing PE5615-2-Surrounding Land Use Plan.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, no PCAs were identified on the Phase I Property. Five (5) PCAs were identified in the Phase I Study Area:

	TABLE 2: Potentially Contaminating Activities in Phase I Study Area 1185 Beaverwood Road, Ottawa (Manotick), ON								
#	Address	PCA ID	Listed Activity	Approximate Distance / Orientation from Site					
1	1165 Beaverwood Road (Formerly 1165 John Street)	PCA 31	Former Commercial Printing and Publishing	95 m ENE					
2	1165 Beaverwood Road (Formerly 1165 John Street)	PCA 20	Former Explosives Manufacturing	95 m ENE					
3	5536 Ann Street	PCA 52	Automotive Repair Shop	130 m NE					
4	5549 Ann Street	PCA 28	Former Retail Fuel Outlet & Fuel Oil Spill	175 m ENE					
5	1160 Beaverwood Road (Formerly 1165 John Street)	PCA 37	Commercial Dry Cleaners	190 m E					

Based on the review of engineering reports completed in the immediate area of the former dry-cleaner and review of the well records geodetic elevations reported by ERIS, the groundwater beneath the Phase I Property would indicate that it flows in an easterly/southeasterly direction. The inferred groundwater flow, corroborated with the City's HLUI Environmental Risk Management Area, identifies the VOC plume migrating towards the Rideau River, away from the Phase I Property.

Based on this information in combination with the analytical data obtained by Duke Engineering & Services (2000), no VOC concentrations were detected in a groundwater monitoring well situated on the northern property boundary of 5547 Scharfield Road, to the east of the Phase II Property.

Therefore, it is our opinion that the former dry-cleaner is not considered to represent an APEC on the Phase I Property.



The remaining off-site PCAs are not considered to represent APECs based on their sufficient separation distance and downgradient orientation with respect to the Phase I Property, and as such, there are no APECs on the Phase I Property.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I- ESA is considered to be sufficient to conclude that there is an on- and off-site PCA 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

A Phase I - Environmental Site Assessment (ESA) was carried out for the property addressed 1185 Beaverwood Road in the City of Ottawa (Manotick), Ontario. The purpose of this environmental assessment was to research the past and current use of the site and adjacent properties and identify any environmental concerns with the potential to have impacted the subject site.

The review of available historic information indicates that the Phase I Property was previously comprised of agricultural land with a farmstead, before being used solely for residential purposes following adjacent residential development in the early 1970s. Based on the available aerial photographs, the present residential dwelling and detached garage (farmstead buildings) was constructed prior to 1936, and between 1936 and 1960, respectively.

Surrounding properties have historically been used for agricultural purposes prior to development in the early 1970s. Following the development of the general area of the Phase I Property, properties to the west and north were used for residential purposes. Commercial buildings were developed east and northeast of the Phase I Property, across Scheffield Road, including five (5) historical activities considered to represent off-site PCAs. Based on the separation distances (95 m to 195 m) and downgradient orientations with respect to the subject site (east to northeast relative to the Phase I Property), these PCAs are not considered to represent APECs with respect to the Phase I Property.

The City's HLUI response letter indicated that the Phase I Property is potentially situated within the cusp of an environmental risk management area, where lies a volatile organic compound (VOC) groundwater plume as a result of a historical offsite dry-cleaner at 1166 Beaverwood Road.

A review of previous groundwater studies and engineering reports completed in the immediate area, the VOC impacted groundwater results showed higher concentrations north-east and south-east of the former dry-cleaner, illustrating that the plume has been migrating towards the Rideau River, away from the Phase I Property. Furthermore, no VOC concentrations were identified in a groundwater monitoring well situated on the northern property boundary of 5547 Scharfield Road, across the Phase II Property (Duke Engineering & Services, 2000).

Based on our review of the available environmental records as well as the previous engineering report, the dry-cleaning VOC plume is not expected to have migrated beneath Phase I Property.



Following the historical research, a site visit was conducted to assess existing potential areas of concern. No new PCAs were identified with the current use of the Phase I Property or properties within the Phase I Study Area.

Based on the findings of our assessment, it is **our opinion that a Phase Il-Environmental Site Assessment is not required for the Phase I Property.**

8.2 Recommendations

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

If any groundwater wells are encountered during construction, they shall be abandoned according to Ontario Regulation 903.



9.0 STATEMENT OF LIMITATIONS

This Phase I - Environmental Site Assessment report has been prepared under the supervision of a Qualified Person, in general accordance with O.Reg. 153/04, as amended, 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 subject site 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 ARK Construction Ltd. Permission and notification from the above noted parties and Paterson will be required to release this report to any other party.

O PROFESSIONAL ST

Paterson Group Inc.

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

Mark D'Arcy, P.Eng, QPESA

Report Distribution:

□ ARK Construction Ltd.

Paterson Group



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 Record Inventory.

Chapman, L.J., and Putnam, D.F., 1984: 'The Physiography of Southern Ontario, Third Edition', Ontario Geological Survey Special Volume 2.

Municipal Records

City of Ottawa Document "Old Landfill Management Strategy, Phase I -

Identification of Sites.", prepared by Golder Associates, 2004.

Intera Technologies Limited Report "Mapping and Assessment of Former Industrial Sites, City of Ottawa", 1988.

geoOttawa: City of Ottawa electronic mapping website.

City of Ottawa Historical Land Use Inventory (HLUI) Database

Local Information Sources

Personal Interviews.

Public Information Sources

Google Earth.

Google Maps/Street View.

Private Information Sources

ERIS Report

Survey Plan



References

"Groundwater Monitoring Program – Manotick, Ontario, 2000 Annual Report Final Sampling Round 13," prepared by Duke Engineering & Services, dated December 20, 2000.

Report: PE5615-1R January 9, 2023

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE5615-1 – SITE PLAN

DRAWING PE5615-2 – SURROUNDING LAND USE PLAN

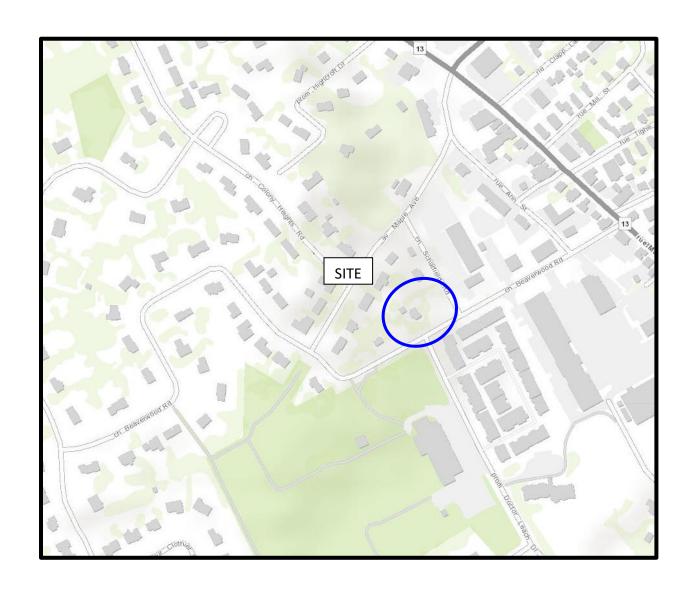


Figure 1: KEY PLAN

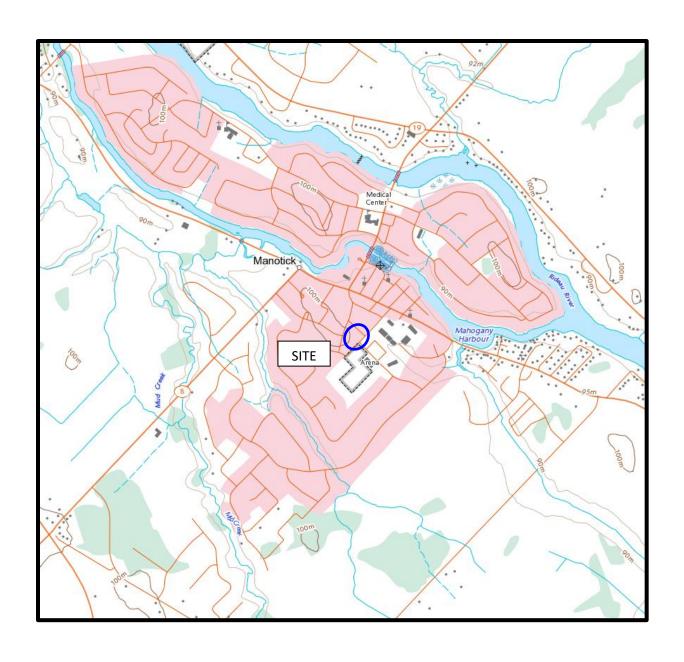
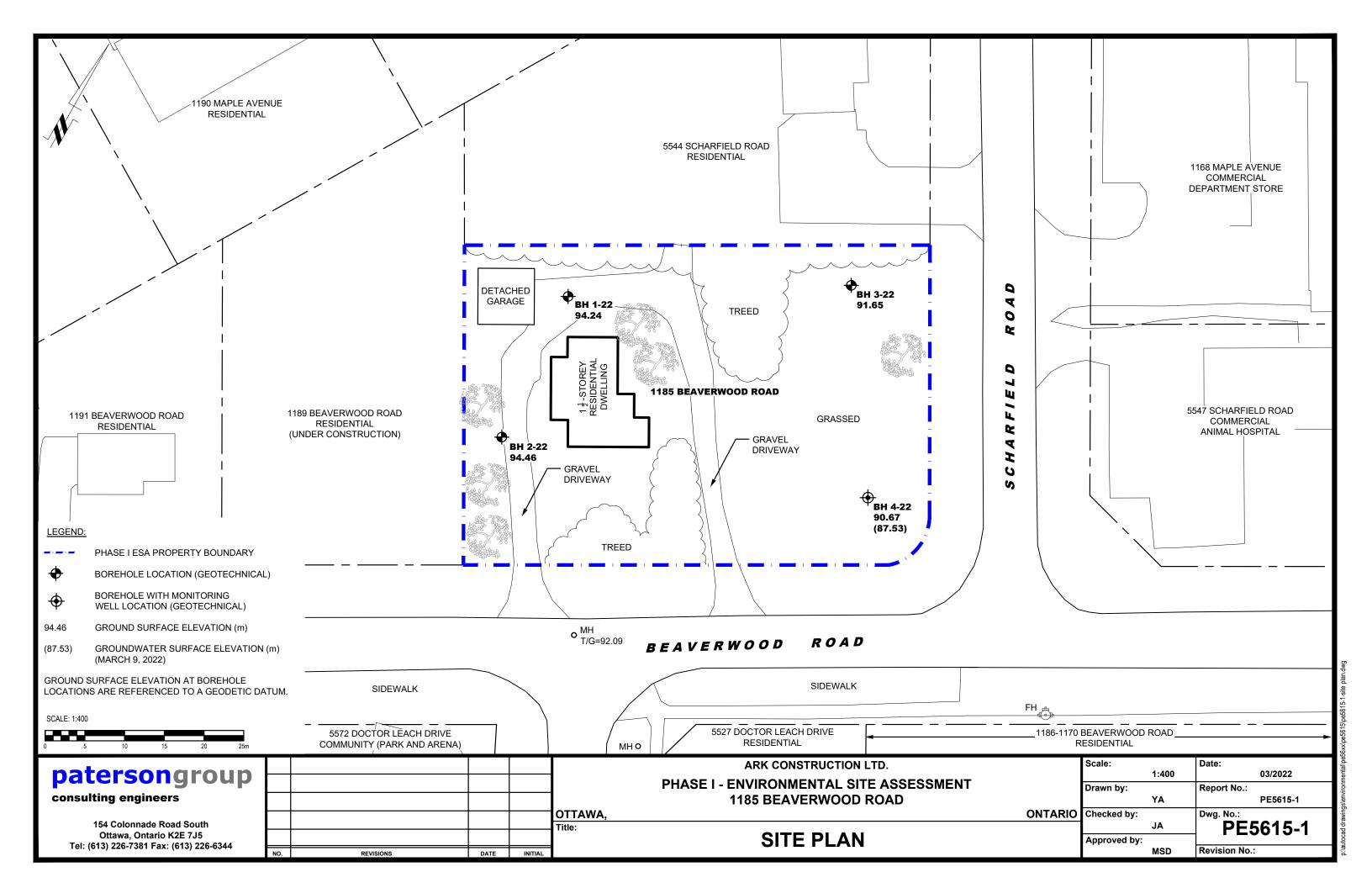
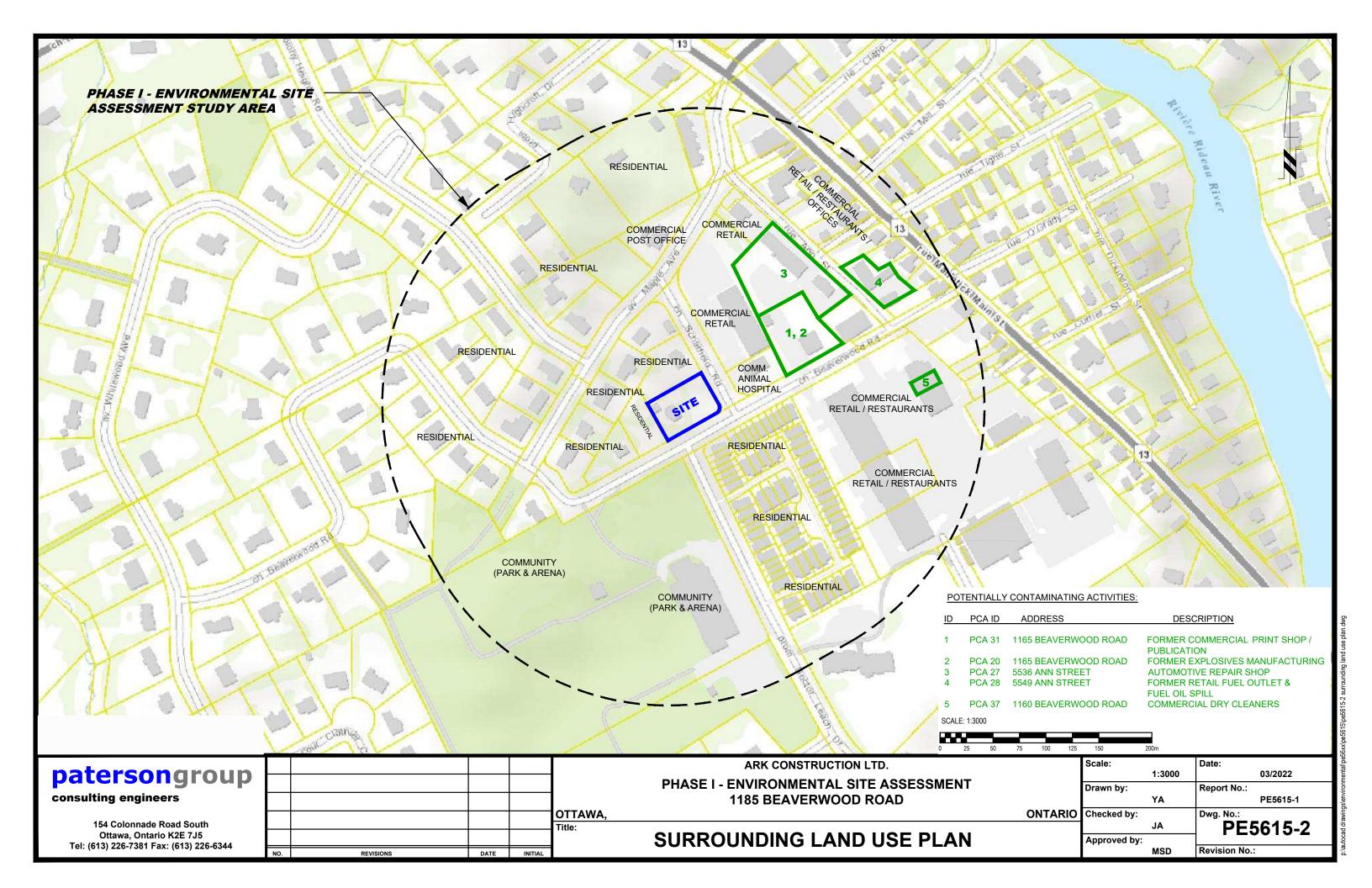


Figure 2: TOPOGRAPHIC MAP



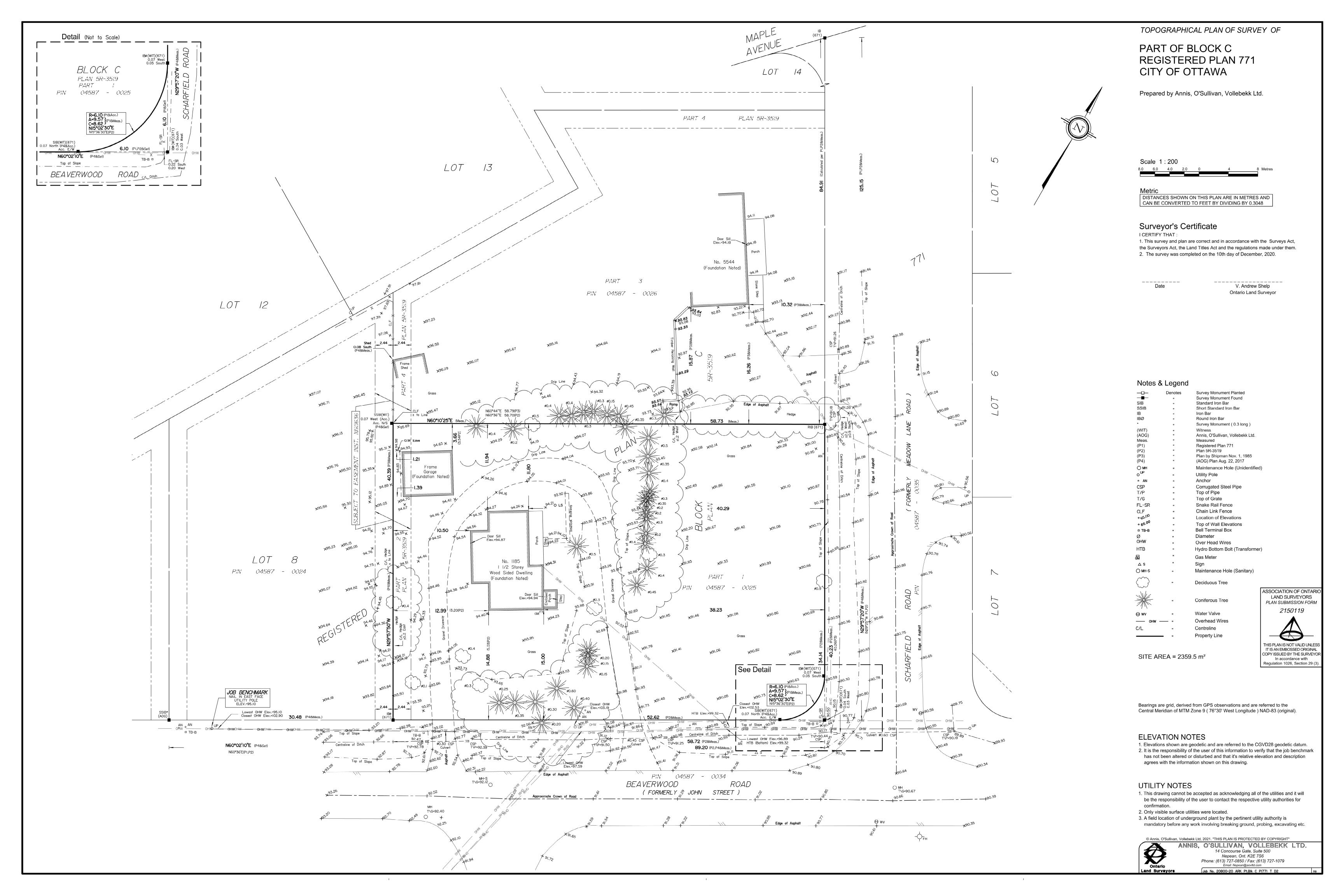


APPENDIX 1

SURVEY PLAN

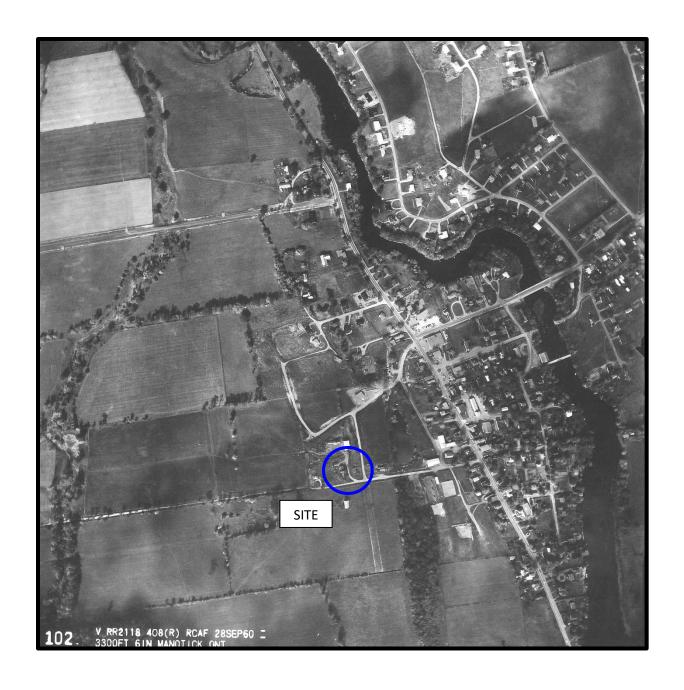
AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS





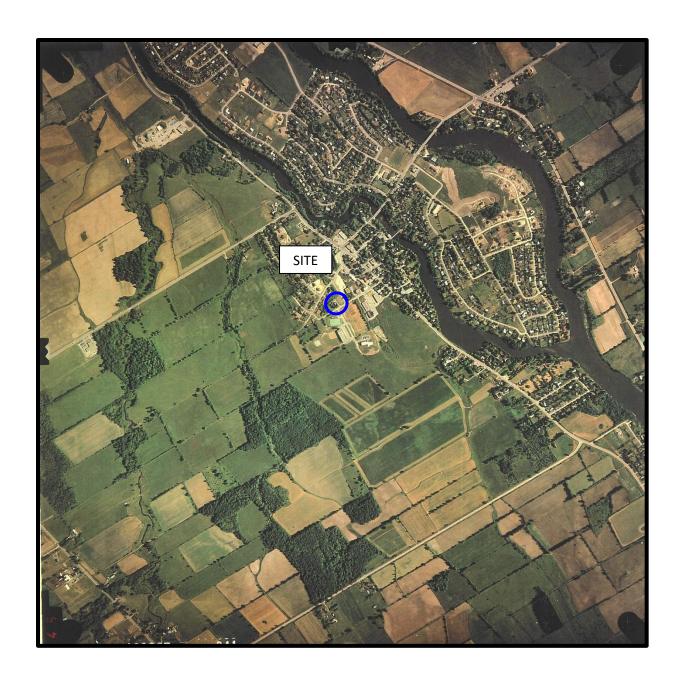
AERIAL PHOTOGRAPH 1936



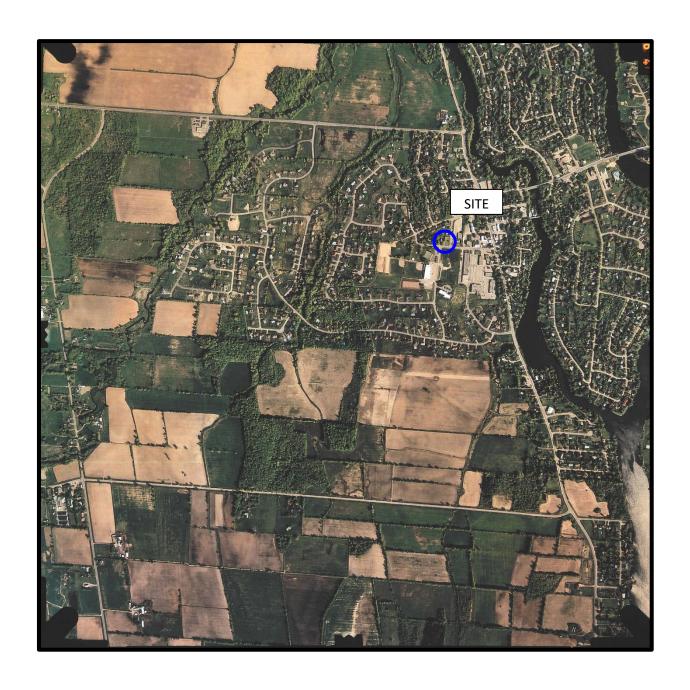
AERIAL PHOTOGRAPH 1960



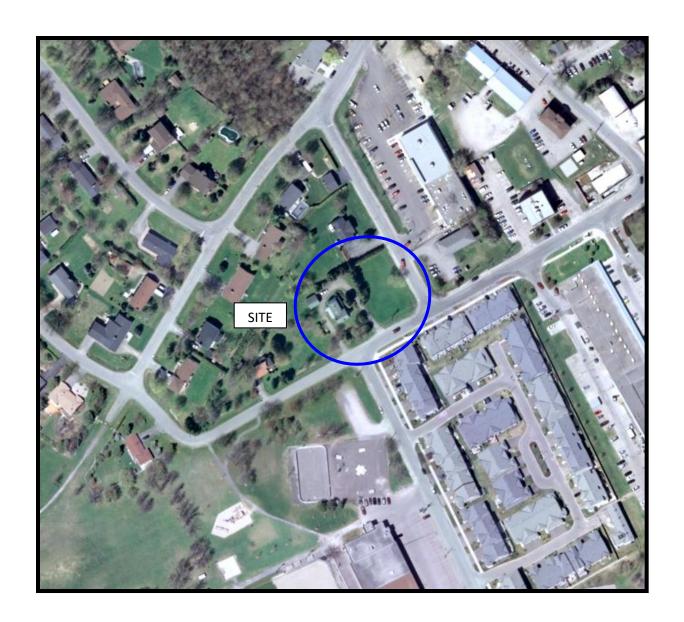
AERIAL PHOTOGRAPH 1975



AERIAL PHOTOGRAPH 1983



AERIAL PHOTOGRAPH 1996



AERIAL PHOTOGRAPH 2007



AERIAL PHOTOGRAPH 2019

1185 Beaverwood Road Ottawa, Ontario

Photo 1: On the western portion of the gravel driveway, facing north towards the residential dwelling.



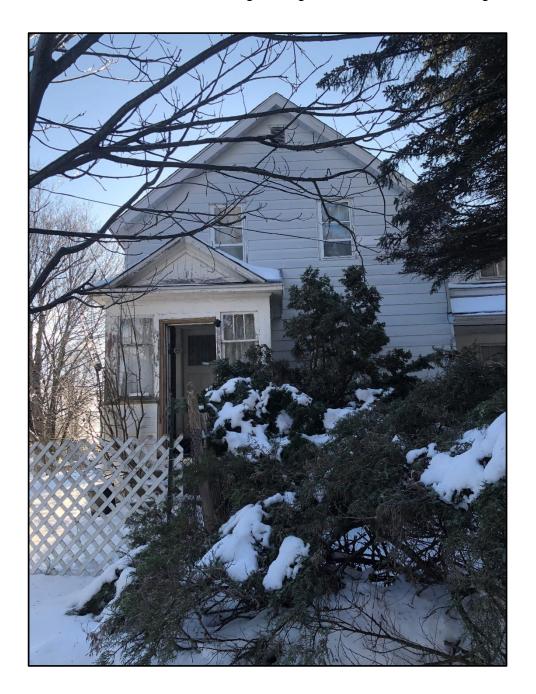
Photo 2: East of the residential dwelling, on the eastern portion of the gravel driveway, facing southeast towards Beaverwood Road.



Site Photographs

1185 Beaverwood Road Ottawa, Ontario

Photo 3: East of the residential dwelling, facing towards the west building face.



1185 Beaverwood Road Ottawa, Ontario

Photo 4: Inside of the detached garage, used for general storage.

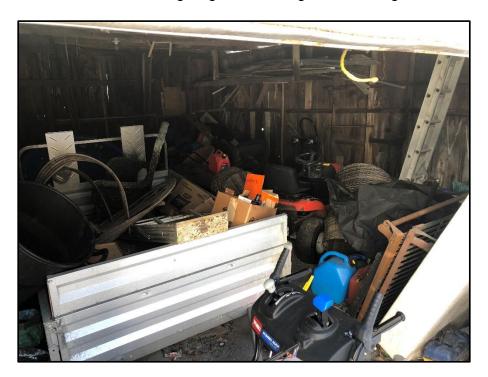


Photo 5: At Beaverwood Road and the eastern gravel entrance, facing towards the eastern portion of the Phase I Property.



patersongroup

APPENDIX 2

MECP FREEDOM OF INFORMATION

MECP WELL RECORDS

TSSA RESPONSE

HLUI RESPONSE

ERIS REPORT

Ministry of the Environment, Conservation and Parks

Access and Privacy Office

40 St. Clair Avenue West Toronto ON M4V 1M2 Tel: (416) 314-4075

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



September 27, 2022

Jesse Andrechek
Paterson Group
154 Colonnade Road South
Ottawa, Ontario K2E 7J5
jandrechek@patersongroup.ca

Dear Jesse Andrechek:

RE: MECP FOI A-2022-01623, Your Reference PE5615 – Decision Letter

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 1185 Beaverwood Road, Ottawa.

After a thorough search through the files of the ministry's Ottawa District Office, Environmental Assessment and Permissions Division (EAPD), Environmental Monitoring and Reporting Branch (EMRB), Environmental Investigations and Enforcement Branch (EIEB), and Safe Drinking Water Branch (SDW) no records were located responsive to your request. **This file is now closed.**

To provide you with this response and in accordance with Section 57 of the Act, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. We have applied the \$30.00 for this request from your initial payment. This file is now closed.

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at http://www.ipc.on.ca. Please note there may be a fee associated with submitting the appeal.

If you have any questions, please contact Tolani Abraham at Tolani. Abraham 2@ontario.ca.

Yours truly,

ORIGINAL SIGNED BY

Ryan Gunn Manager (A), Access and Privacy Office

File Number: D06-03-22-0040

April 21, 2022

Jesse Andrechek Paterson Group Inc.

Sent via email [JAndrechek@patersongroup.ca]

Dear Jesse Andrechek,

Re: Information Request

1185 Beaverwood 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:

• **Disposals and Environmental Remediation Unit:** The City's Environmental Remediation Unit has environmental records on file pertaining to the subject property noted above either directly on or adjacent to the subject property. To submit requests for information under the Municipal Freedom of Information and Protection of Privacy Act, please visit https://ottawa.ca/en/city-hall/accountability-and-transparency/accountability-framework/freedom-information-and-protection-privacy/access-information

Documents Provided:

HLUI Summary Report and HLUI Map

The HLUI Summary Report Excel spreadsheet identifies HLUI area, point and line features within 250 metres of the Subject Property, as shown on the provided HLUI Map PDF. Within 500 metres of the Subject Property, landfills and Environmental Risk Management Area (ERMA) are also identified if applicable.

Additional information may be obtained by contacting:

Ontario's Environmental Registry

The Environmental Registry found at https://ero.ontario.ca/ contains "public notices" about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed new laws, regulations, policies and programs or about proposals to change or eliminate existing ones. By using keys words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

The Ontario Land Registry Office

Registration of real property is recorded in the Ontario Land Registry Office through the Land Titles Act or the Registry Act. Documents relating to title and other agreements that may affect your property are available to the public for a fee. It is recommended that a property search at the Land Registry Office be included in any investigation as to the historic use of your property. The City of Ottawa cannot comment on any documents to which it is not a party.

Court House 161 Elgin Street 4th Floor Ottawa ON K2P 2K1 Tel: (613) 239-1230

Fax: (613) 239-1422

Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the HLUI database is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.

Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database.

Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property. You may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.

If you have any further questions or comments, please contact HLUI@ottawa.ca.

Sincerely,

Ashvinya Moorthy (She/Her)

Student Planner | Étudiante en Urbanism Development Review West | Examen des projects d'amenagement Ouest City of Ottawa | Ville d'Ottawa 613-580-2424 Ext. 23569

Ashvinaymoorthy.thatchinamoorthy@ottawa.ca

Per:

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

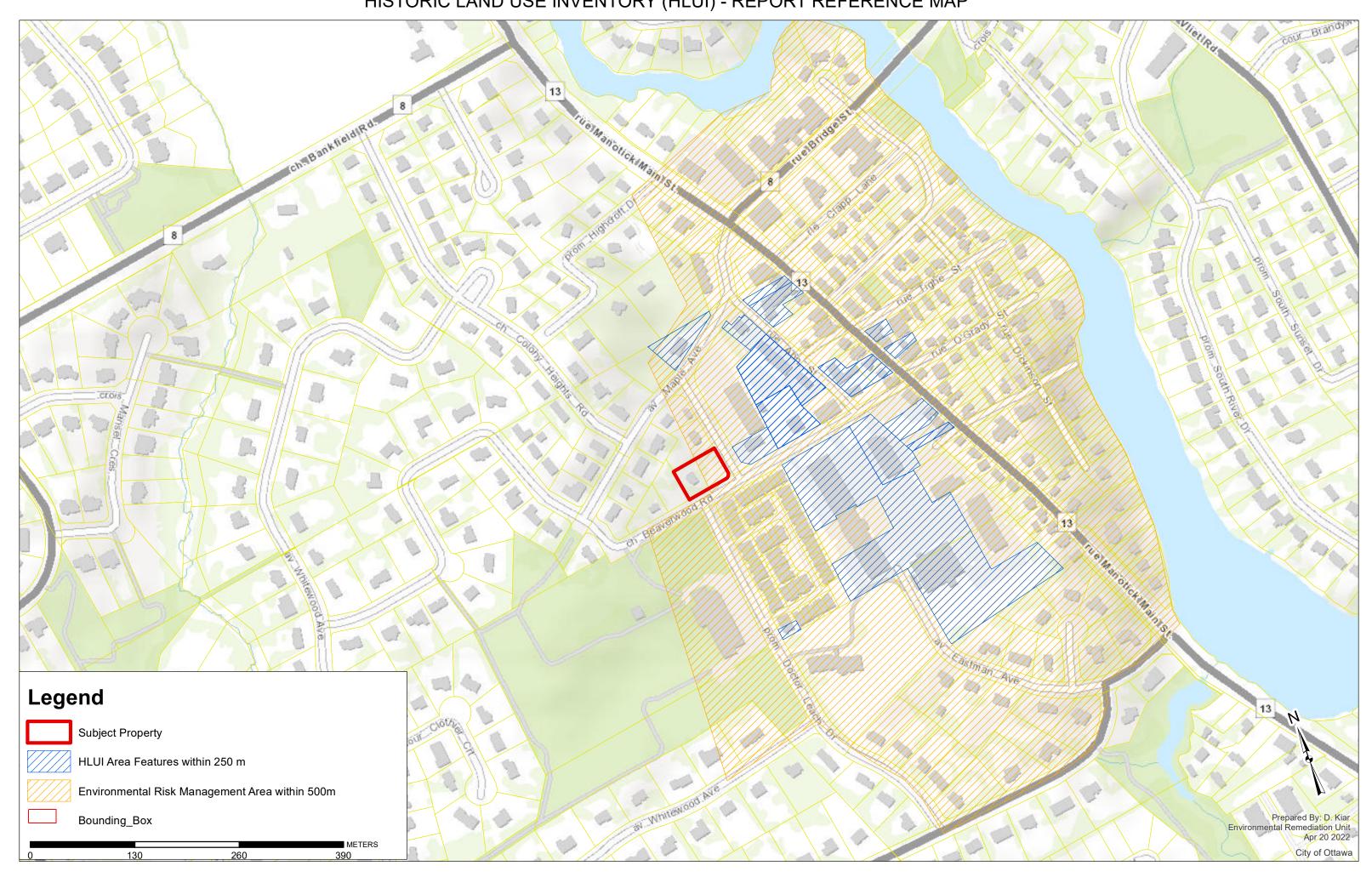
MB / AT

Enclosures: (2)

- 1. HLUI Map
- 2. HLUI Summary Report

cc: File no. D06-03-22-0040

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP



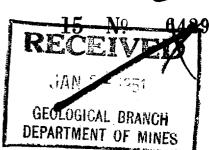
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The Well Drillers Act
Department of Mines, Province of Ontario



Water Well Record

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Form 5



The Water-well Drillers Act, 1954
Department of Mines

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Water-Well Record

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GROUND WALLS DIVI

UTM 1/18/2 141416111910/E 31648 9R 5101018101215N Elev. 9 R 0121910 JAN 9 The Water-well Drillers Act, 1954 Basin 25 GEOLOGICAL BRANCH Department of Mines DEPARTMENT of MINES Lot 2 Water-Well RecordTownship, Village, Town or City.... County or Territorial District.. in Village, Town or City) Manotus Address Manotick (day) (month) (year) Pipe and Casing Record **Pumping Test** Casing diameter(s) Static level Pumping rate 250 Y-P. W Pumping level Type of screen Duration of test Length of screen Well Log Water Record Depth (s) Kind of water at which water(s) From No. of feet Overburden and Bedrock Record (fresh, salty, or sulphur) water rises For what, purpose(s) is the water to be used? Location of Well had a decided a second In diagram below show distances of well from Is water clear or cloudy? road and lot line. Indicate north by arrow. Is well on upland, in valley, or on hillside?..... walley Drilling firm In Meagh Address 639 Baroa Suata O ac Name of Driller M Meacher Licence Number I certify that the foregoing Bay Ang & Tru statements of fact are true.

Form 5





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The Water-well Drillers Act, 1954

Department of Mines

CROUND WATER BRANCH

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ONTARIO WATER

RESOURCES COMMISSION

Water-Well Record

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I certify that the for	egning		ه د د د د د	Sept 36	Bdy Os	94 flou	
statements of fact ar			NORTH LO	1.	80	Andrew Control of the	
Date June 24 m Signa						. ~	
✓ Signa	ture of Licensee	•••	A	×2.	man olich	ri.	

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5

UTM 18 2 41416111510 E



JUN **15 1950** 9

GROUND WATER BRANC ..

ONTARIO WATER
PESCURCES COMMISSION

6474

Elev. 5 R 0 2 9 0 Basin 25

The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD

County or District CAGLET			o, Village, Town o		OWER				
Con. B.F. Lot 2		Date con	npleted 30	1917	39				
		ress	(day	month of left	year)				
Casing and Screen Record	d	***	Pu	mping Test					
Inside diameter of casing 4"		Static le	evel						
Total length of casing /3'		l		9					
Type of screen									
Length of screen		Duratio	Duration of test numping //-/8						
Depth to top of screen		I	clear or cloudy at	end of test	CLEAR				
Diameter of finished hole	·····	Recomr	mended pumping	rate	G.P.M				
		with	n pumping level o	of	12				
Well Log			Wo	iter 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, sulphur)				
CLAY	0	13							
LIMESTANE	/3	44	42	36	FBESH				
		_							
		-							
		-							
For what purpose(s) is the water to be used?			Locat	ion of Well	asy				
PHERY		Iı	n diagram below	show distances of	f well from				
s well on upland, in valley, or on hillside?			oad and lot line.						
Orilling Firm 17 17EA6HER			3	<u>>11</u>	,				
			3	3					
Address 639 Bow 17 ~ Noop			3	≥					
OTTAW	<i>D</i>			THE STATE OF THE S					
icence Number				CTYI	<u>32</u> 7				
lame of Driller 5Amē	~ ······		200	1					
ddress	***************************************		· <	1900	*****				
			2		EG				
Signature of Licensed Drilling Contractor)								
Form 5 15M-58-4149				ries.	1 2 9				

UTM 182 44461218101 31649 15 R 5101017191210 N



GROUND WATER BRUNDS 15 Nº 6 MAY 25 1931

Elev. 15/R 0121915

The Ontario Water Resources Commission Act, 1957 RECOUNTS OF THE

WATER	WEII	RECORD
WAILI	WELL	RECURI

			RECUR						
County or District CAPIET	017	Township	, Village, Town o	r City	fower.				
Con R. L.		ate con	npleted 2 S	Month	year)				
		ddress .	Mo	NoTich					
Casing and Screen Record	d	<u></u>	Pu	mping Test					
Inside diameter of casing	4"	Static le	Static level 25						
Total length of casing 391	, 	Test-pu	Test-pumping rate. 5 CPM						
Type of screen		Pumpin	g level	2-8					
Length of screen			n of test pumpin	g/	Mes				
Depth to top of screen Diameter of finished hole				T CEAR					
Diameter of finished hole			nended pumping pumping level o	rate 60	5 G.P.M.				
Well Log		· · · · · · · · · · · · · · · · · · ·	Wo	ter 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, sulphur)				
CLAY Y OSOULDERS	0	20							
GABVEL	20	37							
6 get + omesters	39	64	64	36	FRESH				
For what purpose(s) is the water to be used?	· · · · · · · · · · · · · · · · · · ·		Locat	ion of Well	1				
House		Ir		show distances of	well from				
Is well on upland, in valley, or on hillside?	***************************************	ľ		Indicate north					
					//				
Orilling Firm MAEAGHER					The				
Address 077/1wp			\ \ •						
			Mers of co	M.	_				
icence Number			WE,		474777				
Name of Driller 5/19 27 E			/"	1 H	- Arterior Control of the Control of				
Address			•						
Oate May 13/6/ (Signature of Licensed Drilling Contractor)			900						
(Signature of Licensed Drilling Contractor)	<u> </u>		1	de					

Form 5

UTM 1/18/2 14/4/6/1/6/0/E 3/6/49 SR S101017191510 N Ontario Water Resources Commission Act 7 1963 ONTARIO WATER RESOURCES COMMISSION Township, Village, Town or City V. Gower Date completed ress Manotick Cn Casing and Screen Record **Pumping Test** Inside diameter of casing. Static level Total length of casing Test-pumping rate 401 Type of screen Pumping level Duration of test pumping /2 4. Length of screen Depth to top of screen Water clear or cloudy at end of test c/eq. Diameter of finished hole Recommended pumping rate 5 G.P.M. 45 feet below ground surface with pump setting of Well Log **Water Record** Depth(s) at Kind of water From Overburden and Bedrock Record which water(s)
found (fresh, salty, sulphur) 5 60 For what purpose(s) is the water to be used? Location of Well ware house In diagram below show distances of well from road and lot line. Indicate north by arrow. Is well on upland, in valley, or on hillside? "12/qnc/ Drilling or Boring Firm. Mchean Water Supply Wild.
Address 15 32 Raven Ave Village of Licence Number Date Form 7 10M-62-1152 OWRC COPY

CSC.53

UTM 1/18 1/4/4/6/012/01 3/6/49 GROUND WATER BRANCH 5 R 5101017 191610 N 7 1990 Elev. 6 03 10 The Ontario Water Resources Commission Act, 1957 0% A: 10: RESOURCES COMMISSION WATER WELL RECORD County or District CARLETON Township, Village, Town or City N GOWER Lot 2 Date completed (day) FF/EE Address **Pumping Test** Casing and Screen Record Static level 3 4 Inside diameter of casing..... Total length of casing 42' Test-pumping rate Pumping level 40 Type of screen Duration of test pumping. Length of screen Water clear or cloudy at end of test Depth to top of screen Diameter of finished hole with pumping fore of the 65 **Water Record** Well Log Depth(s) at which Kind of water No. of feet From ft. (fresh, salty, sulphur) water(s) found Overburden and Bedrock Record 36 0 BOULDER LOAM 42 36 Ur 94 For what purpose(s) is the water to be used? Location of Well 105TORFIE In diagram below show distances of well from road and lot line. Indicate north by arrow. Is well on upland, in valley, or on hillside? Drilling Firm MIRAGHER Licence Number.....

UTM 1/18 12 141416101210 E 31649



	51R	ماة	0	71	914	410	JN he On	tario	Water	Resou	ırces	Commiss	ion	Act	
1	,			~ 1	•						_		_	_	

Ele 6 - 0 311 10	WATER	WELL	RECOR	ONTARIO WATER
Basin $ 2 5$				CityWorth Gower twsh

Basin County	or District	Carleton			Township, Villag	ge, Town or	CityNerth	Gower	twsnc.
Con	P		Lot ±	1	Date completed	3 Oct	aber 196	3. onth	year)
					2010	Compage	Ctanat		0++

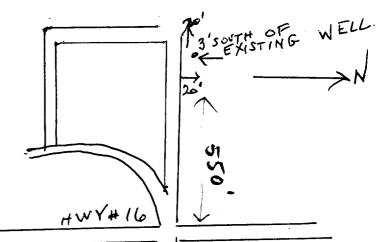
•					•			
Owner Rederal	Gevernment Fest	Office	Address	1010	Semerset	Stroet,	est,	Otta .a

Casing and Screen Record	Pumping Test				
Inside diameter of casing 4"	Static level 25!				
Total length of casing 35 tow	Test-pumping rate 16 G.P.M.				
Type of screen bil	Pumping level 45 t 45 t				
Length of screen nil	Duration of test pumping 2 Mours				
Depth to top of screen	Water clear or cloudy at end of test clear				
Diameter of finished hole	Recommended pumping rate 4 G.P.M				
	with pump setting of75 f feet below ground surface				
	M. L. Brand				

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 & Boulders	0.1	`Z2 !				
Grey Limestone	32 *	135 *	110 1	sulphur		

For what purpose(s) is the water to be used?	LOCATION OF WEIL
Teilets & Beiler in Post Office	T 1' h-land show distances of well from
willeide	,

Is well on upland, in valley, or on hillside? #illside Drilling or Boring Firm BLAIR PHILLIPS DRILLING CO. LTD. Address 1119 Ralaise Read, Ottawa 5, Ontario. Licence Number 1016 Name of Driller or Borer M. Sztena Address 90 Grove Ave. Ottawa, (Signature of Licensed Drilling or Boring Contractor)



Location of Well

Form 7 5M-61-3852

OWRC COPY

v. 6 R 0 2 9 0	ONTARIO Drillers Act nes, Province		ROHV		
v. 6 R 0 2 9 0 The Well in 25 Department of Mir	Drillers Act		Charles and a second and	No HID	6613
in 25 Department of Mir		•	FEB 23 19		
•		ÿ	1	3	
	611 D	9 9	COADTMENT OF	MINES	
County or District			Lot F		
	ncluding p	oump) #10	Acres		
Pipe and Casing Record			ping Test		
Casing diameter(s)				•	
Length(s) of casing(s) D	eveloped Capa	city 3.4.	oo P.L	· . /	
Type of screen					
Type of pump	rawdown	10"		,	· _/ · · · · · · ·
Depth of pump setting	atic level of co well a gravel-v	ompleted well wall type?	70	4	, , , , , , , , , , , , , , , , , , ,
	r Record		D 11()		· · · · · · · · · · · · · · · · · · ·
Kind (fresh or mineral)	d		Depth(s) to ter Horizon(s)	Kind of Water	No. of Fe Water Ris
			4' =	tuch	4-1
Appearance (clear, cloudy, coloured)					
	···/···		\$5		
For what purpose(s) is the water to be used? . 2ce	Lating	mik 4	15		
For what purpose(s) is the water to be used?		with the	#5		
For what purpose(s) is the water to be used?	none	mik 4	#5		
For what purpose(s) is the water to be used?	none		****		
For what purpose(s) is the water to be used?	none		***************************************		
For what purpose(s) is the water to be used?	of water			of Well	
For what purpose(s) is the water to be used? . Acce. How far is well from possible source of contamination?	of water	o In d	Location iagram below shroad and lot line	ow distan	ces of wel
For what purpose(s) is the water to be used? . Acce. How far is well from possible source of contamination?	of water	o In d	iagram below sh road and lot lin	now distan	ces of we
For what purpose(s) is the water to be used? . Acce. How far is well from possible source of contamination?	of water	In d from	iagram below sh	now distan	ces of we
For what purpose(s) is the water to be used? . Acce. How far is well from possible source of contamination?	of water	In d from	iagram below sh road and lot lin	now distan	ces of we
For what purpose(s) is the water to be used? . Acce. How far is well from possible source of contamination?	of water	In d from	iagram below sh road and lot lin	now distan	ces of we
For what purpose(s) is the water to be used? . Acce. How far is well from possible source of contamination?	of water	In d from	iagram below sh road and lot lin	now distan	ces of we
For what purpose(s) is the water to be used? . Acce. How far is well from possible source of contamination?	of water	In d from	iagram below sh road and lot lin	now distan	ces of we
For what purpose(s) is the water to be used? . Acce. How far is well from possible source of contamination?	of water	In d from	iagram below sh road and lot lin	now distan	
For what purpose(s) is the water to be used? . Acce. How far is well from possible source of contamination?	of water	In d from	iagram below sh road and lot line	now distan	
For what purpose(s) is the water to be used? . Acce. How far is well from possible source of contamination?	of water	In d from	iagram below shroad and lot line	now distan	
For what purpose(s) is the water to be used? . Acce. How far is well from possible source of contamination?	of water	In d from	iagram below sh road and lot line	now distan	
For what purpose(s) is the water to be used? . Acce. How far is well from possible source of contamination?	of water	In d from	iagram below shroad and lot line	now distan	
How far is well from possible source of contamination? What is source of contamination? Enclose a copy of any mineral analysis that has been made Well Log Drift and Bedrock Record Top and Log Rack Limitation.	of water	not from	iagram below shroad and lot line	now distan	
How far is well from possible source of contamination? What is source of contamination? Enclose a copy of any mineral analysis that has been made Well Log Drift and Bedrock Record Tapacail—Lay Rack limitation: [Jord Well Log	of water	Dependent of the second of the	iagram below shroad and lot line	now distan	
For what purpose(s) is the water to be used? How far is well from possible source of contamination? What is source of contamination? Enclose a copy of any mineral analysis that has been made Well Log Drift and Bedrock Record Top said of the life of the	of water	RINK	iagram below shroad and lot line	now distan	
How far is well from possible source of contamination? What is source of contamination? Enclose a copy of any mineral analysis that has been made Well Log Drift and Bedrock Record Tapacail—Lay Rack limitation: [Jord Well Log	of water	o In d from Reperior for the second	agram below shroad and lot line OTTAW MAYOFIEL 360 H	A.	ces of well



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JAN 23 1969

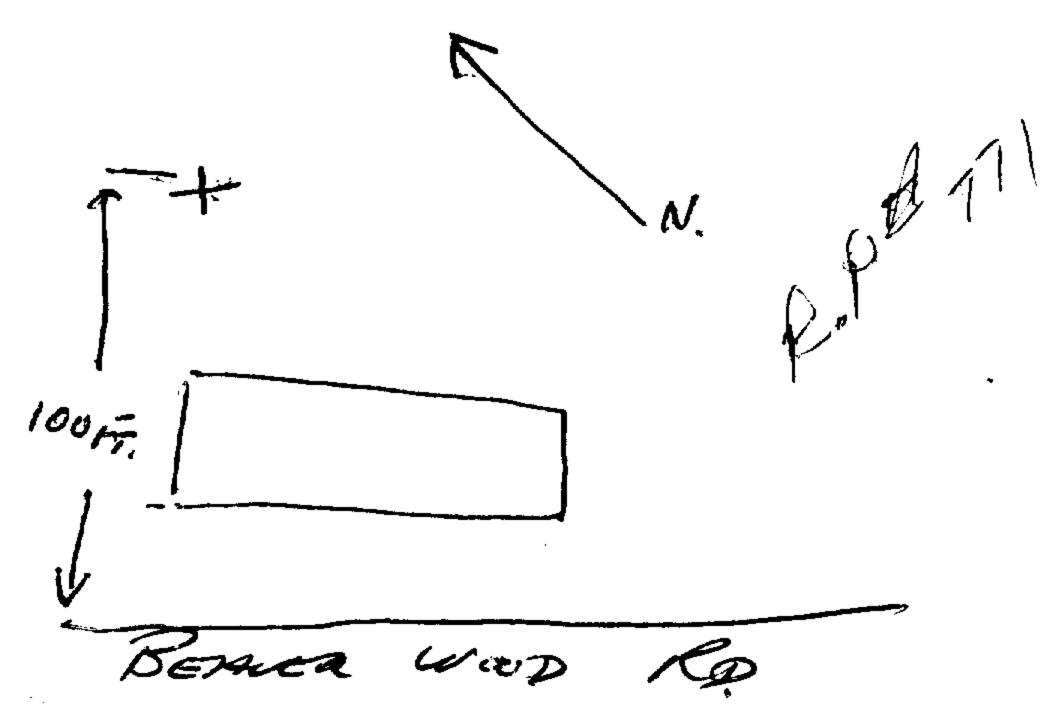
The Ontario Water Resources Commission Act

CILIATIO WATER

Tasin 215 CARLET WATER WE	LL REC	ORD				
County or District	Township, Village,	Town or City	N. 60	P WIC		
Con. 7777 Lot 2-377	Date completed	(day	の上「上の7人 month	227 / 768 year)		
Owner. (print in block letters)	Address MA	NOTIC.	X -			
Casing and Screen Record	<u> </u>	Pumpin	a Test	<u> </u>		
Inside diameter of casing	Static levei	25		<u>, , , , , , , , , , , , , , , , , , , </u>		
Total length of casing 38	Test-pumping r	rate 5		GPM		
Type of screen	Test-pumping rate G.P. Pumping level 25 7					
Length of screen						
Depth to top of screen				-72°T		
Diameter of finished hole	į.			G.P.M.		
· -	with pump setti	ng of 38	feet belo	w ground surface		
Well Log		3		r Record		
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s)	Kind of water		
BOUIVERS + GRAVET		3841	found	sulphur)		
LIMESTONE	38	85F1	85			
For what purpose(s) is the water to be used?		Location o	of Well			
HOUSE				nces of well from		
Is well on upland, in valley, or on hillside? HIIISIDE Drilling or Boring Firm W.A. DEFVY	road and	lot line. Indi	cate north by a	arrow.		
Address 2898 HAUGHION ST OTTAWA 14 ONT				1 1		
			N.			
Licence Number 3024			\bigcirc			
Name of Driller or Borer W. A. DEFVY				•		
Address 2898 HAUGHTON ST	100/7					
Date SFPTEMBER 28 1968	1 -					
(Signature of Licensed Drilling or Boring Contractor)	V ,					

Form 7 15M-60-4138

OWRC COPY



C : 25

17 18 2 445 840 Conf 4 8 50 0 7 8 6 00 0 ED Water manage	ment in Ontario			1510054
lev. 5 R 0330 The Ontario Water Res	sources Commission	Act		1
'asin 25 WATER WE	LL REC	ORD		
County or District and WATER Con. A Lot 2	Date completed dress	Town or City	north man	Lower 1969 year)
	WATER	Box	346	
Inside diameter of casing	COMMISSION	Pumping	g Test	
Total length of casing 60	Static level	70		
Type of screen	Pumping level	_ ~		G.P.M.
Length of screen	Duration of test		. 1	
Depth to top of screen	Water clear or cl			
Diameter of finished hole 5 "	Recommended 1		<	G.P.M.
				w ground surface
Well Log			T	Record
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
sandy clay of boulders	0	35'	116	fresh
sand	35	42		-U
narapan	42	3 7		
limistore	57	117		
For what purpose(s) is the water to be used?		Location o	f Well	
new house			distances of well	
Is well on upland, in valley, or on hillside?	road and	lot line. Indic	cate north by a	arrow.
Drilling or Boring Firm Capital It ater			0.	
Supply Std			1 207	·
Address /4 Ashford Dr	•	X	1 13	(12)
Licence Number 3216		4	3 - 1 -	9 0
Name of Driller or Borer M Kavanagh		9	×5	
Address		a		
Date, mar 3/1969		3		
Alta Lourne (Signature of Licensed Drilling or Boring Contractor)		\$1		
(Signature of Licensed Drilling or Boring Contractor)		71		
Form 7		1.1		
OWRC COPY			€ 25 ° × 35	
I				



The Ontario Water Resources Commission Act
WATER WELL RECORD

716/45 P

Water management	<i>in Ontario</i> 1. PRINT ONLY IN SP 2. CHECK X CORREC	ACES PROVIDED T BOX WHERE APPLICABLE	15 10 1	83 MUNICIP. 15 904	CON. B F 22 23 244
coupty or district	ta	TOWNSHIP, BOROUGH, CITY, TOWN, VILLA	North Gow	CON., BLOCK, TRACT, SURVE	
		or 69	Richn	rend Onl	DATE COMPLETED 48-53 VR 69
		0,7,9,7,0	RC. ELEVATION 4 0 3 0 5	RC. BASIN CODE 5	
	, , , , , , , , , , , , , , , , , , , 	G OF OVERBURDEN AND BEE			4/
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS		GENERAL DESCRIPTION	DEPTH - FEET FROM TO
brown	day	boulders			0 21
Crerim	sald	stone			21 48
andre .	Principal Cincolone				55 101
79	* Constant				3 3 7 7
			661		
	*				
			, ,		
31 002	1160513 1 0048	69912 605552114	l lazarzist		
10	ER RECORD	51 CASING & OPEN HO	LE RECORD	SIZE(S) OF OPENING 3	65 75 80 1-33 DIAMETER 34-38 LENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE WALL WALL DICKNESS INCHES	DEPTH - FEET FROM TO	MATERIAL AND TYPE	
47	RESH 3 SULPHUR 14 SALTY 4 MINERAL	10-11 1 STEEL 12 / 2 GALVANIZED / 9 8	13-16	X /	FEET
15-18 1 [2 [FRESH 3 SULPHUR 19 SALTY 4 MINERAL	3 CONCRETE 4 OPEN HOLE	0058	61 PLUGGING 8	CEMENT CROUT
25.28	FRESH 3 SULPHUR 24 SALTY 4 MINERAL	2 GALVANIZED 3 CONCRETE	0101	FROM TO MAI	TERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
2 [FRESH 3 SULPHUR 29 SALTY 4 MINERAL	OPEN HOLE 24-25 1 STEEL 2 GALVANIZED	27-30	18-21 22-25	
2[FRESH 3 SULPHUR 34 80 SALTY 4 MINE AL	3 CONCRETE 4 OPEN HOLE		26-29 30-33 80	
71 PUMPING TEST ME		11-14 DURATION OF PUMPING 15-16 0 17-1 HOURS 0 MIN	s.	LOCATION O	
STATIC LEVEL	_ PUMPING	LEVELS DURING 1 PUMPING 2 □ RECOVERY	LOT	DIAGRAM BELOW SHOW DISTANCES OF LINE, INDICATE NORTH BY ARROW.	F WELL FROM ROAD AND
050 FEET	1065 22-24 15 MINUTES 28	30 MINUTES 060 PEET 065 32-34 065 FEET	37		
Z IF FLOWING, GIVE RATE	38-41 PUMP INTAKE SE	TAT WATER AT END OF TEST 4	12		0 /
RECOMMENDED PU	PUMP 5	43-45 RECOMMENDED 46-4 PUMPING OF	19	Pridge	$\mathcal{O}\mathcal{X}$.
50-53 <u>QQQ</u>	ZZ GPM./FT. SPECIFIC	0 00,0		j i	plotter st
FINAL STATUS	WATER SUPPLY 2 OBSERVATION WELL	5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY] 1	96	plotted on Plotted on Firms St. Michael From Fro
OF WELL	3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5-56	7 UNFINISHED		Y.	The state of the s
WATER	2 STOCK	5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY	ś	77	
USE C	4 - INDUSTRIAL - OTHER	8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED		15 de 5	
METHOD	CABLE TOOL 2 ROTARY (CONVENTIO	6 DORING NAL) 7 DIAMOND	-	13	
OF DRILLING	3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION	8 🗌 JETTING 9 🔲 DRIVING		13	
	CONTRACTOR	1 1 0 - M LICENCE NUMBER	DRILLERS REMAR		ATT RECORD 63-68 80
O Herr	y Mains	Vell Villa 3520	SOURCE DATE OF INSPE	3644	7 · 2 · 9 6 9
MAME OF PRICLE	S Lle Kichs	rend O.X.	REMARKS:	Kli	elk
	ontractor 1	SUBMISSION DATE O	OFFICE	-	ATPOLLES
o few	y Man	DAY MO DEPLYR OF	<u>'</u>		
OWRC	COPY			,	',

The Ontario Water Resources Commission Act

WATER WELL RECORD

31649.

	ntario 1. PRINT ONLY IN SP. 2. CHECK X CORREC	T BOX WHERE APPLICABLE	1 2	0575	MUNICIP. 15 401 10 CON., BLOCK, TRACT, SU	A C. A	<u> </u>	22 23 1 OT 25-27
OUNTY OR DISTRICT Carlet	ton	North G	ower Town	ship	Reg Plan	771	A	
M. Loeb I		ADDRESS JOO Indu	strial Av	enue.	Ottawa, Ont.	DATE COMPL	ETED 48	1-53 70 * 19 *
21	ZONE EASTING (4.4.6)	NORTHING	RC, ELE	EVATION P 3 O O	RC. BASIN CODE	<u> </u>	<u>iii</u>	<u>īv</u>
2		G OF OVERBURDEN A	24 /25 21	6		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
GENERAL COLOUR	MOST	OTHER MATERI		MAILKIAI	GENERAL DESCRIPTION	-	DEPTH	- FEET TO
	COMMON MATERIAL						FROM 51	191
	_imestone -	Badly Fractur	ea	Har	d Lenses		19'	471
		API						
31 10005	Last I Last	8.2/15 1 1 1 1 1 1						
	R RECORD KIND OF WATER KESH 3 □ SULPHUR 14	INCHES	EN HOLE RE WALL HICKNESS INCHES FROM		SIZE(S) OF OPENING (SLOT NO.) M M MATERIAL AND TYPE	31-33 DIAMETI	INCHES DEPTH TO TOP OF SCREEN	75 ENGTH 3
20-23 1 FI FI 2 S	ALTY 4 MINERAL 3 SULPHUR 19 ALTY 4 MINERAL RESH 3 SULPHUR 24 ALTY 4 MINERAL RESH 3 SULPHUR 29 ALTY 4 MINERAL RESH 3 SULPHUR 34 RESH 3 SULPHUR 34	S - 3 GALVANIZED	20	0020 0048 0048	PLUGGING	MATERIAL AND	TYPE (CE	FEET CORI
I PUMPING TEST METHO			ring		LOCATION	OF WEL	L	
STATIC LEVEL ON 8 19-21 IF FLOWING. GIVE RATE RECOMMENDED PUMP SHALLOW	PUMPING 020 ²²⁻²⁴ 15 MINUTES 0 726-2 19 1211 17 5 FRE 38-41 PUMP INTAKE S	FEET WATER AT END OF GLEAR 43-45 PUMPING FEET FEET A3-45 PUMPING RATE	MPING COVERY 60 MINUTES 0 2 0 5-37 1-9 1-1	O How I h	AGRAM BELOW SHOW DISTANC	ES OF WELL FRO		N
FINAL STATUS OF WELL	1 WATER SUPPLY 2 OBSERVATION WEL 3 TEST HOLE 4 RECHARGE WELL	7 UNFINISHED			Y MANUAL.		13	
WATER USE 05	1 DOMESTIC 2 STOCK 3 REGATION	5 COMMERCIAL 6 MUNICIPAL 7 PUBLIC SUPPLY 8 COOLING OR AIR CONDITI		Pio	JOHA	•		
METHOD OF DRILLING	ABLE TOOL TOTARY (CONVENT TOTARY (REVERSE TOTARY (AIR) TOTARY (AIR)		DRI			ANOTO		
BOX 4131	nnston Drill Stn. "E" or BORER G/1/bbons	ling Co Ltd.	3002 P10. CE NUMBER YR. 1970	DATA SOURCE DATE OF INSPEC REMARKS:		2 5 C	7	63-
ا جع از	bhoth &	DIV 15 MO. 5	<u>vr</u> 19705					



WATER WELL RECORD

1510653 1. PRINT ONLY IN SPACES PROVIDED
2. CHECK X CORRECT BOX WHERE APPLICABLE TOWNSHIP. CARLETON NORTH GOWER DATE COMPLETED 165 MEHOOWLANDS DR. 25 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) DEPTH - FEET OTHER MATERIALS GENERAL COLOUR GENERAL DESCRIPTION COMMON MATERIAL FROM SAND & BOULDERS BROWN CLAY HARD 0 19 35 GREY HARDPAN LARGE BOULDERS HARD 19 GREY 35 LIMESTONE HARD 10 14 15 21 32 32 75 32 SISTERIOR OF OPENING (SLOT NO.)

MATERIAL AND TYP

O 41 WATER RECORD 51 CASING & OPEN HOLE RECORD WALL THICKNESS INCHES WATER FOUND KIND OF WATER MATERIAL MATERIAL AND TYPE FRESH 090 STEEL
2 GALVANIZED 7040 188 4 MINERAL 3 ☐ CONCRETE 1 | FRESH 3 SULPHUR PLUGGING SEALING RECORD 2 SALTY 4 MINERAL 4 ALCOSON HOLE DEPTH SET AT - FEET 1 T STEEL 1 TRESH 3 SULPHUR 2 GALVANIZED FROM ŤΟ ² ☐ SALTY 4 🗌 MINERAL 3 CONCRETE 0091 4 OPEN HOLE 3 ☐ SULPHUR 1 □ FRESH 1 T STEEL 2 SALTY 2 🖸 GALVANIZED 1 ☐ FRESH 3 SULPHUR 3 CONCRETE 2 T SALTY 4 MINERAL LOCATION OF WELL 15-16 00 HOURS 2 BAILER in diagram below show distances of well from road and lot line. Indicate north by aprow. PUMPING 2 RECOVER WATER LEVELS DURING 15 MINUTES 30 MINUTES 29-31 FEET 04 5 ¹□ CLEAR RECOMMENDED PUMP TYPE RECOMMENDED 43-45 RECOMMENDED PUMP SETTING DEEP FEET RATE ☐ SHALLOW 001.0 GPM./FT. SPECIFIC CAPACITY WATER SUPPLY ⁵ ABANDONED, INSUFFICIENT SUPPLY **FINAL** OBSERVATION WELL 6 - ABANDONED, POOR QUALITY **STATUS** 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 7 UNFINISHED 10. OF WELL DOMESTIC STOCK 5 COMMERCIAL 6 MUNICIPAL WATER 3 | IRRIGATION 7 D PUBLIC SUPPLY USE O/ 4 INDUSTRIAL 8 COOLING OR AIR CONDITIONING 9 D NOT USED ☐ OTHER CABLE TOOL 6 D BORING **METHOD** ROTARY (CONVENTIONAL) OF 3 ☐ ROTARY (REVERSE) 8 | JETTING DRILLING 5 AIR PERCUSSION DRILLERS REMARKS: 210770 ONLY GAPITAL WATER SUPPLY 1558 14 ASHFORD USE NAME OF DRALER OR BORER REMARKS MOORE OFFICE **ÓWRC COPY**

The Ontario Water Resources Commission Act ATER WELL RECOR 1511320 1. PRINT ONLY IN SPACES PROVIDED 2. CHECK X CORRECT BOX WHERE APPLICABLE TOWNSHIP, BOROUGH CITY north DAY 30 25 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) MOST GENERAL COLOUR DEPTH - FEET OTHER MATERIALS GENERAL DESCRIPTION COMMON MATERIAL pac sand 0 10 & boulders d 10 56 رو aa/adasa9 1 | aasa2asa9/13 | aag92ist 1 | 1 | 1 | 1 | 1 10 14 15 21 32 43 54 32 SISCISION OPENING (SLOT NO.) M MATERIAL AND TYP O 51 CASING & OPEN HOLE RECORD WATER RECORD WALL THICKNESS INCHES KIND OF WATER MATERIAL MATERIAL AND TYPE 1 ERESH 2 SALTY 3 🗌 SULPHUR STEEL GALVANIZED 188 4 🗌 MINERAL 0 3 SULPHUR 4 MINERAL 1 ☐ FRESH 3 ☐ CONCRETE 59 61 PLUGGING & SEALING RECORD 2 SALTY STEEL DEPTH SET AT - FEET 1 TRESH 3 T SULPHUR 2 ☐ GALVANIZED FROM 14-17 3 ☐ CONCRETE 0089 OPEN HOLE 1 TERESH ³ □ SULPHUR 4 MINERAL 22-2 2 SALTY 2 GALVANIZED 1 🔲 FRESH 3 ☐ SULPHUR 4 ☐ MINERAL 3 ☐ CONCRETE 2 ☐ SALTY 4 - OPEN HOLI PUMPING RATE 71 LOCATION WELL ΟF 0010 15-16 ² ☐ BAILER 00 17-18 FROM ROAD AND WATER LEVEL END OF PUMPING 22-24 PUMPING TEST WATER LEVELS DURING 2 RECOVERY 080 U Z TEST ²□ CLOUDY 1 CLEAR Σ RECOMMENDED PUMP SETTING OF SOME 7 DEEP ☐ SHALLOW OOO, 4GPM./FT. SPECIFIC CAPACITY WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY **FINAL** 2 OBSERVATION WELL 3 TEST HOLE ABANDONED, POOR QUALITY **STATUS** 7 UNFINISHED OF WELL 4 ☐ RECHARGE WELL BOMESTIC 5 COMMERCIAL 6 MUNICIPAL ² ☐ STOCK WATER 3 | IRRIGATION 7 ☐ PUBLIC SUPPLY USE O/ 4 | INDUSTRIAL 8 COOLING OR AIR CONDITIONING 9 I NOT USED ☐ OTHER 1 CABLE TOOL 6 D BORING **METHOD** 2 ROTARY (CONVENTIONAL) 3 ROTARY (REVERSE) 8 DETTING 9 DRIVING OF BOTARY (AIR) AIR PERCUSSION DRILLING DRILLERS REMARKS 58 CONTRACTOR 59-62 DATE RECEIVED 190871 ONLY CONTRACTOR 58 INSPECTION tour USE OFFICE WΙ OWRC COPY



The Ontario Water Resources Commission Act

WATER WELL RECORD

71949

1511375-1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE 15004 TOWNSHIP, BOROUGH, CI DATE COMPLETED DAY 26 25 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) MOST DEPTH - FEET GENERAL COLOUR OTHER MATERIALS GENERAL DESCRIPTION COMMON MATERIAL то rown 13 22 13 Qa/3|Qasta9/13 | Qaadga9/1/ast | Qa342/14/13 | | Qa872/15 | | | | | | | 10 14 15 21 32 43 54 65 75 51 CASING & OPEN HOLE RECORD WATER RECORD WALL THICKNESS INCHES WATER FOUND AT - FEET KIND OF WATER MATERIAL MATERIAL AND TYPE FRESH 3

SULPHUR 1 STEEL .188 36 0 4 MINERAL 2 ☐ GALVANIZED
3 ☐ CONCRETE 2036 3 🗌 SULPHUR 4 🗌 MINERAL 1 ☐ FRESH 61 PLUGGING **SEALING RECORD** & -2 SALTY 36 DEPTH SET AT - FEET 20-23 1 STEEL ¹ ☐ FRESH 3 🗌 SULPHUR MATERIAL AND TYPE FROM 10-13 2 GALVANIZED 2 SALTY 14-1 3 CONCRETE
DEPEN HOLE 0087 ¹ ☐ FRESH 3 🗌 SULPHUR 2 SALTY 4 MINERAL STEEL 22-25 2 GALVANIZED 3 SULPHUR
4 MINERAL 1 ☐ FRESH 3 ☐ CONCRETE 30-33 2 ☐ SALTY OPEN HOLE LOCATION OF WELL 00 17-18 MINS 2 ☐ BAILER IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW. WATER LEVEL PUMPING WATER LEVELS DURING 30 MINUTES Z 1 CLEAR 2☐ CLOUDY RECOMMENDED
PUMP
SETTING 0 75 Σ RECOMMENDED PUMP TYPE 2 DEEP ☐ SHALLOW FEET Francity GPM./FT. SPECIFIC CAPACITY Lot 24 WATER SUPPLY 5 ☐ ABANDONED, INSUFFICIENT SUPPLY **FINAL** 2 OBSERVATION WELL
3 TEST HOLE 6 ABANDONED, POOR QUALITY
7 UNFINISHED **STATUS** OF WELL 4 RECHARGE WELL DOMESTIC 5 COMMERCIAL
6 MUNICIPAL WATER 3 | IRRIGATION 7 ☐ PUBLIC SUPPLY USE 4 - INDUSTRIAL ⁸ COOLING OR AIR CONDITIONING Maple ☐ OTHER 9 - NOT USED 1 CABLE TOOL 6 BORING **METHOD** ² ☐ ROTARY (CONVENTIONAL)

³ ☐ ROTARY (REVERSE) 7 🗆 DIAMOND 1G-A OF 8 🗌 JETTING ROTARY (AIR) DRILLING 9 DRIVING DRILLERS REMARKS CONTRACTOR 100971 1558 USE OFFICE WΙ OWRC COPY



The Ontario Water Resources Commission Act WATER WELL RECORD

	Water management in Ontario 1. PRINT ONLY IN S 2. CHECK COUNTY OR DISTRICT	ECT BOX WHERE APPLICABLE	1511389-	MUNICIP. CON.	QN 1 22 23 2
	OWNER (SURNAME FIRST) 28-47	nownship, Borough, CITY, TOWN, VILLAG	con	., BLOCK, TRACT, SURVEY, ETC.	LOT 25-27
		nanotec	k Ort	DATE COM	7
		a a 7.740	RC. ELEVATION RC. 4 0131/18 5 30	BASIN CODE II	<u>!!!</u> <u>iv</u>
7	MOST	OG OF OVERBURDEN AND BEDI			
	GENERAL COLOUR COMMON MATERIAL	OTHER MATERIALS	GENER	AL DESCRIPTION	DEPTH — FEET FROM TO
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	grey lime			hard	34 117
	- Somanin				117 150
		in The Water Control			
	31 0034441413 1 6111	12/6			
1	WATER RECORD	51 CASING & OPEN HOL	E RECORD Z SIZE(S	4 65 OF OPENING 31-33 DIAMET NO.)	75 80 ER 34-38 LENGTH 39-40
4	WATER FOUND AT - FEET KIND OF WATER 10-13	DIAM. MATERIAL THICKNESS	DEPTH - FEET		INCHES FEET DEPTH TO TOP 41-44 80
d	1 FRESH 3 SULPHUR 1 2 SALTY 4 MINERAL	19-11 2 STEEL 12 /88	0 36 8		OF SCREEN FEET
4	15-18 1 ERESH 3 SULPHUR 19 2 SALTY 4 MINERAL 20-23	3 CONCRETE 4 17-18 1 STEEL 19		LUGGING & SEAL	THE RECORD
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL	O6 2 GALVANIZED 3 CONCRETE	FROM 10-1	TO MATERIAL AND 1	TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
	25-28	4 OPEN HOLE 24-25 1 STEEL 2 GALVANIZED	27-30 18-3	21 22-25	
	30-33 1 FRESH 3 SULPHUR 34 60 2 SALTY 4 MINERAL	3 ☐ CONCRETE 4 ☐ OPEN HOLE	26-2	30-33 80	
	71 PUMPING TEST METHOD 10 PUMPING RATE	11-14 DURATION OF PUMPING 15-16 GPM. HOURS OMMINS.	LC	CATION OF WELL	
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Ľ	50-53 DOO, 2 GPM./FT. SPECIFIC	CAPACITY GPM.	A No	_	-
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-	OF WELL 4 RECHARGE WELL	⁷ UNFINISHED	mard	owland 1	<
	WATER DOMESTIC STOCK IRRIGATION	5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY	3	1	
	USE O/ 4 - INDUSTRIAL - OTHER	8 COOLING OR AIR CONDITIONING 9 NOT USED		多水色	
	METHOD 1 CABLE TOOL 2 ROTARY (CONVENTION	6 ☐ BORING NAL) 7 ☐ DIAMOND		358	
	OF DRILLING 3 ROTARY (REVERSE) 4 ROTARY (AIR)	8 DETTING 9 DRIVING		° - V	
_ 	NAME OF WELL CONTRACTOR	LICENCE NUMBER	DRILLERS REMARKS: DATA 58 CONT	76'	63-68 80
	ADDRESS PLAN Hater	155-8	SOURCE	(RACTOR 59-62 DATE RECEIVED)	U971 63-68 80
4	NAME OF DRILLER OR BOREN	LICENCE NUMBER	S REMARKS:	fr	
	SIGNATURE OF CONTRACTOR	SOBMISSION DATE	OFFICE	- -	P
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The Ontario Water Resources Commission Act

WATER WELL RECORD 31949

	SPACES PROVIDED ECT BOX WHERE APPLICABLE 1 2	[151	1479 - MUNICIP.	CON.	A 22 . 23 24
coupe or district	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	wer	CON., BLOCK, TRACT, SURV	EY, ETC. LOT	700 Z
OWNER (SURNAME FIRST) 28-47 28-47	ADDRESS R. A. S.	1 0		DATE COMPLETED 48-53	_
21 U ZONE EASTING U L/4/5	1840 5001718170 1	RC ELEVATION A 320 25 26	RC. BASIN CODE	<u> </u>	<u>iv</u>
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1 12 10 14 15 21 41 WATER RECORD	51 CASING & OPEN HOL	LE RECORD	Z SIZE(S) OF OPENING (SLOT NO.)	65 7 31-33 DIAMETER 34-38 LENGTI	75 80 H 39-40
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30-33 1 FRESH 3 SULPHUR 34 80 2 SALTY 4 MINERAL	3 ☐ CONCRETE 4 ☐ OPEN HOLE		26-29 30-33 80		
71 PUMPING TEST METHOD 10 PUMPING RATE	11-14 DURATION OF PUMPING 15-16 OO 17-18 GPM. HOURS MINS.		LOCATION O	F WELL	
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50.53 D.O. Q GPM./FT. SPECIF]			
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OF WELL 4 RECHARGE WELL	7 UNFINISHED		8 1 2 Col	,	ا پسر
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METHOD 57 CABLE TOOL 2 ROTARY (CONVENTI	6 ☐ BORING ONAL) 7 ☐ DIAMOND		8		
OF DRILLING 3 □ ROTARY (REVERSE) 4 □ ROTARY (AIR) 5 □ AIR PERCUSSION				//10	; <i>p</i> 4
MARKE OF WELL CONTRACTOR	O LICENCE NUMBER	DRILLERS REMARK	· · · · · · · · · · · · · · · · · · ·	ATE RECEIVED	63-68 80
o Address Address	2 Supply/558	SOURCE DATE OF INSPEC	TION INSPECTOR	201071	
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SIGNATURE OF CONTRACTOR	SUBMISSION DATE	OFFICE		P	
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The Ontario Water Resources Commission Act

WATER WELL RECORD

SOUTH A STATE OF THE STATE OF T	Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED 2. CHECK ⊠ CORRECT BOX WHERE APPLICABLE	11511745 - 1 1/5 004 CON. A
LOG OF OVERBURDEN AND BERROCK MATERIALS CALL INSTRUCTIONS SOMEWAY CELOSE COMPAN DESCRIPTION SOMEWAY OF STATE	COUNTY OR DISTRICT TOWNSHIP BOROUGH CITY, TOWN, VILLA	SE 3NGOWEN, BLOCK, TRACT, SURVEY, ETC. LOT 25-27
DOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE METHORICIDES) SECRETARY CHOICE CONTROLLED	OWNER (SURNAME FIRST) 28-47 LADDRESS 11 - 107	DATE COMPLETED CH 48-53
SOUTH AND SOUTH	IING DIOL 7773	
SOUTH AND SOUTH	LOG OF OVERBURDEN AND BED	PROCK MATERIALS (SEE INSTRUCTIONS)
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### WATER RECORD ### STOOL OF MALES ### STOO	32 10 14 15 21 32	43
STATE STAT	WATER FOUND WALL	LE RECORD SIZE(S) OF OPENING 31-33 DIAMETER 34-38 LENGTH 39-40 SIZE(S) OF OPENING 31-33 DIAMETER 34-38 LENGTH 39-40
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STATU STATU STEEL STATUS STAT	2 SALTY! 4 MINERAL	
CONCESTED CONC	2 GALTY 4 MINERAL 4 OPEN HOLE 20-23 1 GALTY 24 17-18 1 GALTY 19	20-23 DEPTH SET AT - FEET MATERIAL AND TYPE (CEMENT GROUT,
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TO PUMP SAILER OF MATER LEVEL SOURING SAILER WATER LEVELS DURING SAILER WATER LEVELS SAILE	2 SALTY 4 MINERAL 4 OPEN HOLE	
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FINAL STATUS OF WELL OBSERVATION WELL OBSERVATION WELL OBSERVATION WELL OBSERVATION OBSERV	50-53 O. C. GPM./FT. SPECIFIC CAPACITY	1 2
OF WELL Comparison Compari	FINAL WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY STATUS OBSERVATION WELL 6 ABANDONED, POOR QUALITY	272
WATER USE STOCK SIGNATURE OF CONTRACTOR SUBMISSION DATE SIGNATURE OF CONTRACTOR SUBMISSION DATE SUBMISSION DATE SIGNATURE OF CONTRACTOR SUBMISSION DATE SUBM	OF WELL 4 RECHARGE WELL	10 9 8 18
METHOD OF NOTARY (CONVENTIONAL) 7 DIAMOND 3 ROTARY (REVERSE) 8 JETTING 4 ROTARY (AIR) 9 DRIVING DRILLING NAME OF WELL CONTRACTOR DATE DATE OF INSPECTION DATE OF INSPECTION NAME OF DRILLER OR BORER LICENCE NUMBER DATE LICENCE NUMBER NAME OF DRILLER OR BORER LICENCE NUMBER DATE OF INSPECTION INSPECTOR SUBMISSION DATE DATE OF INSPECTION INSPECTOR SUBMISSION DATE DATE OF INSPECTION NAME OF DRILLER OR BORER DATE OF INSPECTION NAME OF DRILLER OR BORER LICENCE NUMBER DATE OF INSPECTION NAME OF DRILLER OR BORER LICENCE NUMBER DATE OF INSPECTION NAME OF DRILLER OR BORER LICENCE NUMBER DATE OF INSPECTION NAME OF DRILLER OR BORER LICENCE NUMBER DATE OF INSPECTION NAME OF DRILLER OR BORER LICENCE NUMBER DATE OF INSPECTION NAME OF DRILLER OR BORER LICENCE NUMBER DATE OF INSPECTION NAME OF DRILLER OR BORER LICENCE NUMBER DATE OF INSPECTION LICENCE NUMBER DATE OF INSPECTION NAME OF DRILLER OR BORER LICENCE NUMBER DATE OF INSPECTION LICENCE	WATER 3 BRIGATION 7 PUBLIC SUPPLY	Beautoman
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DRILLING ROTARY (AIR) 9 DRIVING DRILLERS REMARKS: M Q N D T (Q L L L L L L L L L L L L L L L L L L	METHOD 57 CABLE TOOL 6 BORING 7 DIAMOND	144
NAME OF WELL CONTRACTOR NAME OF WELL CONTRACTOR ADDRESS NAME OF DRILLER'S REMARKS: DATA SOURCE DATA SOURCE DATE OF INSPECTION INSPECTOR P OF THE PROPERTY O	DRILLING 4 POTARY (AIR) 9 PRIVING	
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V Marrine Caren DAY / MOTERIL 472 6	Z .	
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The Ontario Water Resources Commission Act

WATER WELL RECORD

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Water management in Ontario 1. PRINT ON 2. CHECK ▼	LY IN SPACES PROVIDED CORRECT BOX WHERE APPLICABLE	1511819 NICIP. 0014 10	DOW A .
COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, YILL	GE CON. BLOCK, TRACT, SURVEY, ETC.	70 A LOT 25-27
OWNER/SURNAME FIRST)	ADDRESS .	BATE BATE	COMPLETED 7/48-13
The state of the s	ING COCKMEN	RC, ELEMANN RC, BASIN CODE	MO YEZ
$\left(\begin{array}{c c} 21 & 12 & 71 \\ \hline 12 & 12 & 12 \\ \hline \end{array}\right)$	45.915 5007740	4 0320 B 25	47
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	and the second s		
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WATER RECORD	51 CASING & OPEN HO		75 80 METER 34-38 LENGTH 39-40
AT - FEET KIND OF WATER AT - FEET RESH 3 SULPHU	DIAM. MATERIAL THICKNESS INCHES	FROM TO MATERIAL AND TYPE	DEPTH TO TOP 41-44 80 OF SCREEN
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2 SALTY 4 MINERA 20-23 1 FRESH 3 SULPHU	4 OPEN HOLE 70	DEPTH SET AT - FEET MATERIAL A	ALING RECORD (CEMENT GROUT,
2 SALTY 4 MINERA 25-28 1 FRESH 3 SULPHU 25-28 3 SULPHU	3 CONCRETE	CO84 FROM TO 10-13 14-17	LEAD PACKER, ETC.)
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30-33 1 FRESH 3 SULPHU 2 SALTY 4 MINERA	JR 3 ☐ CONCRETE AL 4 ☐ OPEN HOLE	26-29 30-33 80	
71 PUMPING TEST METHOD 10 PUMPIN	06/0 15-16 00 17-		ELL
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GPM. RECOMMENDED PUMP TYPE RECOMM	FEET 1 CLEAR 2 CLOUDY MENDED 43-45 RECOMMENDED 46-		
SHALLOW DEEP SETTING	PUMPING CO GP		,
54	SPECIFIC CAPACITY		
STATUS 2	N WELL 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED	Majde Ove 1931	
OF WELL 4 RECHARGE W	NELL 5 ☐ COMMERCIAL	The state of the s	
WATER 2 STOCK 3 IRRIGATION	6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY	1	
O/ 4 INDUSTRIAL OTHER	8 COOLING OR AIR CONDITIONING 9 NOT USED		
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OF 3 ROTARY (RE) DRILLING 4 ROTARY (AIR	YERSE) 8 ☐ JETTING 9 ☐ DRIVING	M + L	
5 ☐ AIR PERCUSS	SION , LICENCE NUMBER	DRILLERS REMARKS: Manotuck DATA 58 CONTRACTOR 59-62 DATE RECEIVE	
o Herry Maria	Well Vulling 3644	SOURCE 36 CONTRACTOR 59-62 DATE RECEIVED AT THE SOURCE 1 36 44	80872
1 34 326, 1	Sichmen Ort.		• • •
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The Ontario Water Resources Commission Act

WATER WELL RECORD 31649 A

	Water management in Ontario 1. PRINT ONLY IN SPACE 2. CHECK ☒ CORRECT B	S PROVIDED 11	, [151]	2263 / 500	4 CON.	AL
	County or district	TOWNSHIP, BOROUGH, CITY, TOWN, VILLA	GE 3	CON., BLOCK, TRACT, SU	RVEY, ETC.	LOT 25-27
	OWNER (SIIRNAME FIRST)	Languages S	•	ople	DATE COMPLETED	(48-53
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	41 WATER RECORD 51	CASING & OPEN HO	LE RECORD	54 SIZE(S) OF OPENING (SLOT NO.)	65 31-33 DIAMETER 34-38	75 80 LENGTH 39-40
	AT - FEET KIND OF WATER DI	SIDE WALL AM. MATERIAL THICKNESS THES A INCHES	DEPTH - FEET FROM TO	MATERIAL AND TYPE	INCHE: DEPTH TO TOP OF SCREEN	
1		10-11 STEEL 9 12 '' 2 GALVANIZED 3 CONCRETE 188	13-16	S	OF SCREEN	FEET
	1 FRESH 3 SULPHUR 2 SALTY 4 MINERAL	3	0039	61 PLUGGING	& SEALING R	
	1 FRESH 3 SULPHUR 2 SALTY 4 MINERAL	2 GALVANIZED 3 CONCRETE	20-23	FROM TO 10-13 14-17		EMENT GROUT, D PACKER, ETC.)
		4 _ OPEN HOLE 24-25 1 _ STEEL	27-30	18-21 22-25	,	
	30-33 1 FRESH 3 SULPHUR 34 80 2 SALTY 4 MINERAL	2 GALVANIZED 3 CONCRETE 4 OPEN HOLE		26-29 30-33 80		
F	Pumping test method 10 pumping rate	11-14 DURATION OF PUMPING		LOCATION	OF WELL	
	1 □ PUMP 2 WATER LEVEL 25 STATIC END OF WATER LEVEL	GPM 15-16 2 C/17-1 HOURS 2 PUMPING	· IN	DIAGRAM BELOW SHOW DISTANCES LINE. INDICATE NORTH BY ARRO	OF WELL FROM ROAD AND)
	D LEVEL PUMPING	2 RECOVERY MINUTES 45 MINUTES 60 MINUTES 32-34 35-3	-			
	IF FLOWING. 18 FLOWING. 18 FLOWING. 18 FLOWING. 18 FLOWING.	WATER AT END OF TEST 4	⊣ !	**************************************	\mathcal{V}_{\cdot}	
	FLOWING, 38-41 PUMP INTAKE SET AT GIVE RATE O O O GPM. RECOMMENDED PUMP TYPE RECOMMENDED	FEET 1 CLEAR 2 CLOUDY 43-45 RECOMMENDED 46-4		P	1 2	
:	SHALLOW ABEEP SETTING	FEET RATE 00 0 . GPM	11		1,3	
	GPM./FT. SPECIFIC CAP			500	1 La	
	FINAL STATUS	 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED 		made are	1 %	
F	OF WELL 4 □ RECHARGE WELL] COMMERCIAL			14	
	WATER 2 STOCK 6 STOCK 6 STOCK 7 STOCK] MUNICIPAL] PUBLIC SUPPLY		by can.	TE	
	USE 4 INDUSTRIAL 8	COOLING OR AIR CONDITIONING 9 1 NOT USED		<i>O</i>	he	
	METHOD 57 Cable tool 2 ROTARY (CONVENTIONAL)	6 ☐ BORING 7 ☐ DIAMOND	1			
	OF 3 ☐ ROTARY (REVERSE) DRILLING 4 ☐ ROTARY (AIR)	8 JETTING 9 DRIVING		, , , , , , , , , , , , , , , , , , ,	4	
	5 ☐ AIR PERCUSSION NAME OF WELL CONTRACTOR	LICENCE NUMBER	DATA	(S: MAPLE AVE	LOT 18	
100	Maurin Cur	1517	Source /	1517	11017	3 63-68 80
7 4	Capselman On		SE	CTION INSPECTOR		
Z		LICENCE NUMBER	1 1		F	, /
C	· I =	DAYMBAYR.71	OFFICE	£ .	NSC 42	VI
_	,				13. N. N. N. N.	1

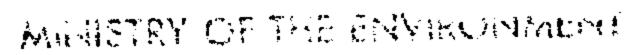
MINISTRY OF THE ENVIRONMENT The Ontario Water Resources Act

ER WELL RECORD

County # 15 1514029-V 500H 1. PRINT ONLY IN SPACES PROVIDED CONTR 2. CHECK 🗵 CORRECT BOX WHERE APPLICABLE ICARLE TON TTAWA GOWER COURTWOOD DA 08 CRES. LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) MOST COMMON MATERIAL GENERAL COLOUR OTHER MATERIALS GENERAL DESCRIPTION FROM CLAV 0 SOFT 3 GRAVEI BROKEN LIMESTONE LOOSE LIMESTONE MEDIUM HARD 8 88 SANDSTONE HARD 88 10.003205 1 0008211115 1 100882115 1 1 101.2511118 1 1 1 1 1 1 1 1 1 1 1 31 32 41 WATER RECORD ,51) CASING & OPEN HOLE RECORD SCREEN WATER FOUND AT - FEET THICKNESS FRESH 3 SULPHUR
CONTROL
CONTRO 2 GALVANIZED
3 CONCRETE
4 OPEN HOLE 0022 61 **PLUGGING & SEALING RECORD** DEPTH SET AT - FEET 1 STEEL FRESH 3 SULPHUR
SALTY 4 MINERAL GALVANIZED CONCRETE 0125 1 | FRESH 3 | SULPHUR
2 | SALTY 4 | MINERAL OPEN HOLE STEEL 2 🛛 GALVANIZED 1 FRESH 3 SULPHUR CONCRETE 26-29 30-33 LOCATION OF WELL 4607 HOURS OO ≥ □ BAILER 00 IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW. PUMPING TEST MANOTICK TOUNSHIP 000. OC 13 1 WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY **FINAL** ABANDONED, POOR QUALITY OBSERVATION WELL **STATUS** TEST HOLE) UNFINISHED OF WELL 4 [] RECHARGE WELL 1 DOMESTIC MANOTK H 5 COMMERCIAL 6 MUNICIPAL SHOPANG WATER D 3 [] IRRIGATION PUBLIC SUPPLY CENTRE 4 | INDUSTRIAL **■** □ COOLING OR AIR CONDITIONING OTHER 9 | NOT USED CABLE TOOL METHOD € ☐ BORING Total (Conventional)
Conventional
Convention 7 DIAMOND DRILLING ■ ☐ JETTING 270574 ONLY DRILLING 3658 OFFICE USE

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 07-091



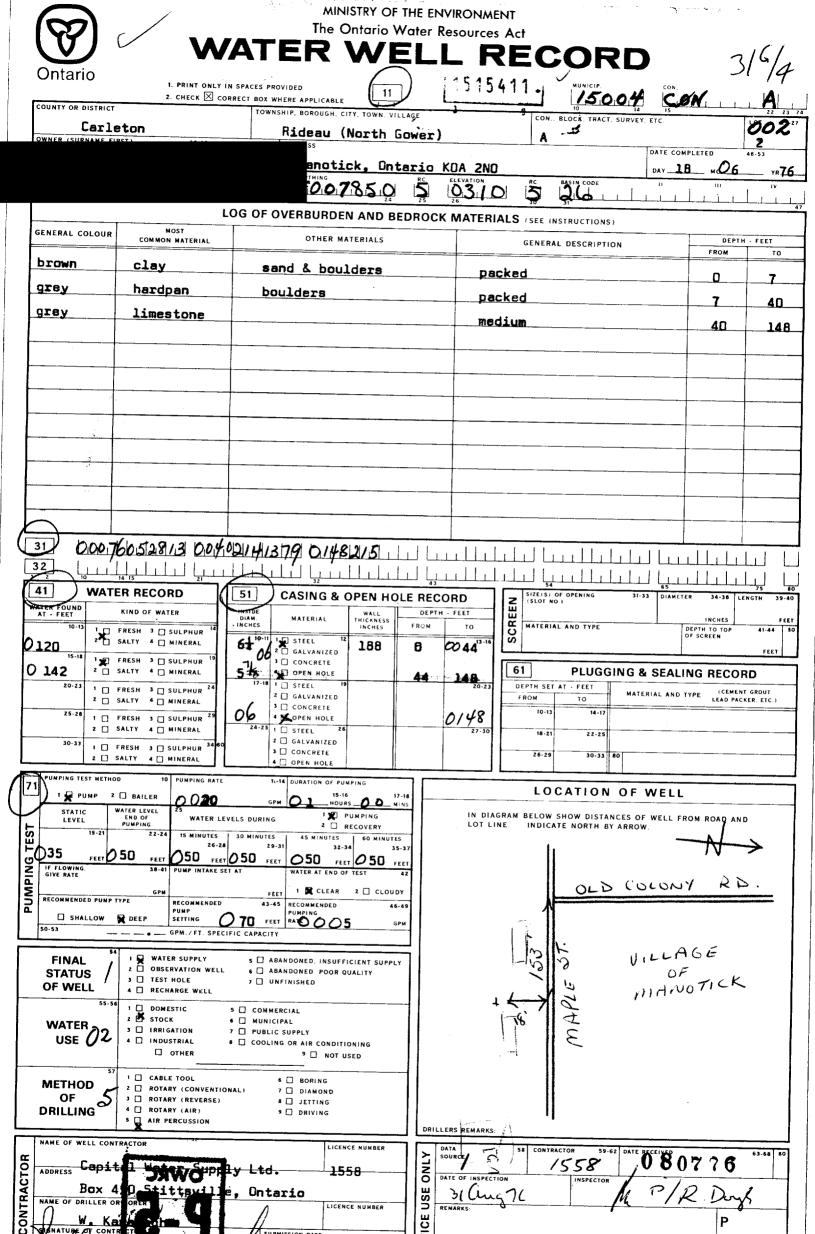
The	Ontono Water	Resources Acr	•
			COM

Ontaric	T. PEINT ONLT IN S	PACES PROVIDED		14236	MUNICIP.	CON.		
- Color 1 28 21576		Rideau	ใช้ ขึ้น (บายา คิดย์ " ั		BOOK TRACT SHEVE			
DWHER (SURNAM	1.810A 5 7(881) 21.47	ADDRESS	Manotick,	Ontario		DATE COMPLET	(ED:	78 C. +
	CONC EASTING	NORTHING	RC.	ELEVATION RC	BASIN CODE	11		i.e.
2	12	OG OF CYERBURDEN	AND BEDROCK	MATERIALS ISEE	INSTRUCTIONS)		Barrier (1969-24) an arteriology and Principal	THE RESERVE AND THE PARTY OF TH
GENERAL COLO	MOST	OTHER MATE	,,, <u></u> , ,, <u></u> , ,,,,		RAL DESCRIPTION		SSPTH - F	EST
	SOUND MATERIAL	boulders		packed			8	20
grey	hardpan	boulders		packed			20	58
black	limestone			medium				
white	sandstone			hard			135	160
				<u> </u>				
			<u> </u>					
		· ·						
			<u></u>					
								<u> </u>
31]			
32	3 14 15 21	ST CASING S	OPEN HOLE RE	ECORD Z	TZE(S) OF OPENING SLOT NO.1	31-34 D12-ETE	ER 34-38 LE	75 30 9614 39-40
MATER FOUND	WATER RECORD	51 CASING &	WAIL DE	PTH - FEET C. N	MATERIAL AND TYPE		DEPTY TO TOP OF SCREEN	41.44 80
	FRISH 3 DEULPHUR 14	D. D. D. Street	188 D	S				Fig.
15-16		2 GALVANIZED 3 GONGRETE 4 POPEN HOLE	60		PLUGCI	NG & SEAL		RD 67 38191
20-23	FRESH 3 SULPHUR 24	17-18 1 STEEL 2 GALVANIZED			10-13 14-17	MATERIAL AND		CHER ETC
25-2	SALTY 4 MINERAL FRESH 3 SULPHUR 29	3 CONCRETE 4 OPEN HOLE 24-25 1 STEEL 2	16	27-30	18-21 22-25	<u> </u>	<u></u>	
30-3	3 1 SALTY 4 MINERAL 3 1 SEESH 3 SULPHUR 34	2 GALVANIZED 3 CONCRETE			26-29 30-33 8	0		
	Z SALTY 4 MINERAL TEST METHOD 10 PUMPING R	ATE 11-14 DURATION OF	PUMPING		LOCATION	OF WEL		The state of the s
71	PUMP 2 E BAILER	20 CPM 1 15	0085 MINS	IN DIAGRAM	BELOW SHOW DISTAN	ICES OF WELL		ND
LEV	VEL PUMPING	R LEVELS DURING 2	RECOVERY 60 MINUTES	LOT LINE.	INDICATE NORTH BY	ARROW.		
TE 50		, 23	35-37		0' > x			
IF FLOW	ING. 38-41 PUMP INT	1 DMCLEA						
S RECORN	GPM ENDED PUMP TYPE RECOMMENT PUMP	NDED 43-45 RECOMMENDED PUMPING		7				45
50-53	SHALLOW DEEP SETTING GPM. / FT.	55 FEET RATE SPECIFIC CAPACITY		97.3		-		
FIN	IAL STATES SUPPLY OBSERVATION			73			· •	•
	TUS TEST HOLE NELL RECHARGE WE	7 UNFINISHED		3 6	•	÷		
	55-56 1 TOMESTIC	5 COMMERCIAL 6 MUNICIPAL		2000			·	. •
7	TER I IRRIGATION SE INDUSTRIAL	7 D PUBLIC SUPPLY 8 D COOLING OR AIR COM 9 D 3	NOTIONING FOR USED				-	
	S7 CABLE TOOL	■ BORING						•
t .	THOD 2 THOO ROTARY (CON	VERSE) 7 DIAMON	e r D		001	F8		
	LLING S AIR PERCUSS		G .	DRILLERS REMARKS:				£3-45 · 1
i ;	OF WELL CONTRACTOR		LICENCE NUMBER	> DATA SOURCE	58 CONTRACTOR	9-62 DATES CENT	"087\$	-
OLO ADDR	Capital Water Sup	pply Ltd.	1558	O DATE OF INSPECTION	INSPECT	OR		
A NIW	Box 490 Stittsv:	illa, Cotario	LICENCE NUMBER	D FEHARKS:	<u></u>			P
CONT	M. Hamilton	SUBMITSION DATE	E	FFIC				WI
	itti of mil	2 100/1 ml 22.	мо <u>7</u> уя 74.			· · · · · · · · · · · · · · · · · · ·		ana aserin ₽ta

MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act
WATER WELL RECORD 3/6/4

Ontario	_	SPACES PROVIDED RECT BOX WHERE APPLICABLE	15142	36	1500	H C 4	N .	 A
COUNTY OR DISTRICT		TOWNSHIP, BOROUGH, CITY, TOWN, VILLA	AGE J		I., BLOCK, TRACT, SUI	RVEY, ETC.		0022"·27
Carl	eton	N. GOW	EV	A		DATE COM		48-53
		x 178 Manot	tick, Onta	erio ON _ RC.	BASIN CODE	DAY	L9 MO 7	YR.74
 	10 44372 L(08022 OG OF OVERBURDEN AND BEI	4 30	-		MAR 02,	1977	249
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS		GENE	RAL DESCRIPTION		DEPTH FROM	FEET TO
brown	sand	boulderg		packed			0	20
grey	hardpan	boulders		packed			20	58
black	limestone			medium			58	135
white	sandstone			hard			139	180
		i						
	, , , , , , , , , , , , , , , , , , , ,							
21	106281)31 1 bos	4712/12 1 = 12 MAIL M		110	1 11 1		1 1 1	
32		<u> </u>	J DIBOI					
41 WA	TER RECORD	5 CASING & OPEN HO	LE RECORD	Z SIZE	54 (S) OF OPENING OT NO.)	31-33 DIAME	ER 34-38	75 80 LENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	HOTDE WALL THICKNESS INCHES INCHES	DEPTH - FEET	Z (SLC	ERIAL AND TYPE		INCHES DEPTH TO TOP	FEET
	FRESH 3 SULPHUR 14 SALTY 4 MINERAL	61011 1 8 SPEEL 12 188	0 00 6	SB16			OF SCREEN	FEET
	FRESH ³ SULPHUR ¹⁹ SALTY ⁴ MINERAL	O6 3 CONCRETE	60 16	61		NG & SEAL	ING RECO	RD
	FRESH 3 SULPHUR 24	17-18 GALVANIZED		FROM		MATERIAL AND		NT GROUT, ACKER, ETC.)
25-28 1 [FRESH 3 SULPHUR 29 SALTY 4 MINERAL	3 GONCRETE 4 OPEN HOLE 24-25 1 STEEL 26	018		0-13 14-17 8-21 22-25			
30-33 1	☐ FRESH 3 ☐ SULPHUR 34 BO	2 ☐ GALVANIZED 3 ☐ CONCRETE		26	3-29 30-33 80			
PUMPING TEST ME	SALTY 4 MINERAL THOD 10 PUMPING RATE	4 DOPEN HOLE					1.7	
[71]])	2 Dailer	28 GPM. 8 1 15-16 00 1			OCATION		1	08
STATIC LEVEL	PUMPING 2	1		LOT LINE. IN	OW SHOW DISTAN DICATE NORTH BY	ARROW.		ND
M 730	26-2	1 - 1	5-37	10,	> hoc	Com Ke	ţ	
IF FLOWING. GIVE RATE RECOMMENDED PL	(38-41 PUMP INTAKE	SETJAT WATER AT END OF TEST	42		> ""	•		
RECOMMENDED PL	JMP TYPE RECOMMENDED	DILUDING -	3-49	7	5 hillet	2.7		
50-53	DEEP SETTING SETTING SPE		GPM.	3				
FINAL	1 WATER SUPPLY	5 ABANDONED, INSUFFICIENT SUPP	LY	77				•
STATUS OF WELL	2 OBSERVATION WELL 3 TEST HOLE 4 RECHARGE WELL	L 6 ABANDONED, POOR QUALITY 7 UNFINISHED		1/2	,	_	; ;	
	55-56 ! T DOMESTIC	5 COMMERCIAL	\dashv	255	/			
WATER USE	2 STOCK 3 IRRIGATION 4 INDUSTRIAL	6 MUNICIPAL 7 PUBLIC SUPPLY 8 COOLING OR AIR CONDITIONING		9	J J			
C	OTHER	9 🗆 NOT USED			N			,
METHOD	CABLE TOOL CONVENT			<u> </u>	<u>//</u>			
OF DRILLING	3 ROTARY (REVERSE 4 ROTARY (AIR) 5 AIR PERCUSSION) 8 🗍 JETTING 9 🖟 DRIVING	ANOTH		00 #	8		
NAME OF WELL		LICENCE NUMBER	DRILLERS R	58	CONTRACTOR 59-6	2 DATE 2 CE 2 D	0074	63-68 80
C Capi	tal Water Suppl	y Ltd. 1558	SOURCE O DATE OF	INSPECTION				
Box	490 Stittsvill	e, Untario	3 Z	3047	76 7	KO	7/	
[A/M. H	emilton/	,		S:			Р	
3 NATUR OF		SUBMISSION DATE ACCIONATE DAY 22 MO. 7 YR.	OFFICE A			USS SX	V	VI .:6%.
MINISTR		RONMENT COPY				<u> </u>	FORM	1 7 07-091



31 aug 76 Ontario OFFICE USE WI

The Ontario Water Resources Act RECOR 1. PRINT ONLY IN SPACES PROVIDED J5004 CON 2. CHECK 🗵 CORRECT BOX WHERE APPLICABLE DAP 0300 5 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) GENERAL COLOUR OTHER MATERIALS COMMON MATERIAL GENERAL DESCRIPTION TO navel inestone 31 0.004/205/11 0.0542/5 32 41 WATER RECORD 51 CASING & OPEN HOLE RECORD SIZE(S) OF OPENING SCREEN KIND OF WATER DEPTH - FEET MATERIAL 1 FRESH 3 SULPHUR
2 SALTY 4 MINERAL MATERIAL AND TYPE DEPTH TO TO 2 GALVANIZED FRESH 3 SULPHUR ' D 025 \mathcal{O} . 3 CONCRÉTE 61 PLUGGING & SEALING RECORD 2 SALTY . 4 MINERAL 4 OPEN HOLE 1 STEEL AT - FEET 1 FRESH 3 SULPHUR
2 SALTY 4 MINERAL 2 GALVANIZED MATERIAL AND TYPE FROM 3 CONCRETE
4 OPEN HOLE I FRESH 3 SULPHUR
2 SALTY 4 MINERAL 1 🗆 STEEL 22.25 2 GALVANIZED 1 FRESH 3 SULPHUR 3 CONCRETE 30-33 80 2 | SALTY 4 MINERAL ■ ☐ OPEN HOLE 15-16 **0** LOCATION OF WELL 2 🗆 BAILER 00 IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND PUMPING WATER LEVEL RECOVERY 45 MINUTES 60 MIN 32-34 3 60 MIN FEET 3 7 FEET PUMPING 1 🗆 CLEAR 2 CLOUDY RECOMMENDED PUMP TYPE PUMP SETTING 030 SHALLOW DEEP GPM. / FT. SPECIFIC CAPACITY 1 WATER SUPPLY FINAL 5 ABANDONED, INSUFFICIENT SUPPLY ABANDONED POOR QUALITY 2 OBSERVATION WELL **STATUS** 3. TEST HOLE 3. RECHARGE WELL OF WELL 1 DOMESTIC 5 COMMERCIAL 2 STOCK
3 RRIGATION WATER 0 7 | PUBLIC SUPPLY ■ ☐ COOLING OR AIR CONDITIONING 4 | INDUSTRIAL OTHER 9 | NOT USED METHOD 5 6 BORING 2 | ROTARY (CONVENTIONAL) 3 C ROTARY (REVERSE) 8 | JETTING DRILLING , ROTARY (AIR) 9 DRIVING S AIR PERCUSSION 3644 OFFICE USE ONLY CONTRACTOR DATE OF INSPECTION 3/ aug 70 Don WI MINISTRY OF THE ENVIRONMENT COPY FORM 7 MOE 07-091





MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act WATER WELL REGORD

Ontario 1. PRINT ONLY IN SP. 2. CHECK COUNTY OR DISTRICT	T BOX WHERE APPLICABLE	11516267	MUNICIP. 0014	A ĈØN.	. 4 .
Carleton	Rideau (North Gowe	GE -	CON. BLOCK, TRACT, SURVE		LOT 025
	ss 46 Beaverwood			DATE COMPLETED DAY 15 MO 10	48-53
	0.07950	5 0325	5 26 CODE	DAY 13 MO 1U	YR
	OF OVERBURDEN AND BED	ROCK MATERIALS	30 31		
GENERAL COLOUR MOST COMMON MATERIAL	OTHER MATERIALS		GENERAL DESCRIPTION	DEPT FROM	FEET TO
greysih brown hardpan		fill		0	1
greysih brown hardpan black limestone	boulders & gravel			1	33
		medium		33	73
51,					
1 / 12					
	·				
					-
31 bao 1728 bo336	(W 211) 2016				
32	144311 0073815				<u> </u>
WATER RECORD 5	CASING & OPEN HOLE	RECORD Z	SIZE(S) OF OPENING 31	65 -33 DIAMETER 34-38 L	75 80 ENGTH 39-40
10-13 1 S FRESH 3 SULPHUR 14	WALL THICKNESS THES THES THES	DEPTH - FEET W	MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	FEET 41-44 80
00 70 2 SALTY 4 MINERAL 15-18 1 FRESH 1 SULPHUR 19	2 GALVANIZED	0 00 36 ³⁻¹⁶ ω			FEET
2 SALTY 4 MINERAL 26	17-18 1 3 STEEL 19	36 73 6	EPTH SET AT - FEET	& SEALING RECO	RD
2 SALTY 4 MINERAL 25-28 1 FRESH 3 SULPHUR 29	2 GALVANIZED 3 CONCRETE A OPEN HOLE	0073	10-13 14-17		CKER. ETC)
2 SALTY 4 MINERAL 30-33 1 FRESH 3 SULPHUR 3460	24-25 1 STEEL 26 2 GALVANIZED 3 CONCRETE	27-30	18-21 22-25		
2 SALTY 4 MINERAL	4 OPEN HOLE	Particular and the state of the	26-29 30-33 80		7 1 M (1 m)
1 1 PUMP 2 BAILER 0010	GPM ()1 15-16 ()6 17-18 MINS		LOCATION OF		
LEVEL END OF WATER LEVELS	DURING LOWERY MINUTES 45 MINUTES 60 MINUTES	IN DIAGRAM LOT LINE	BELOW SHOW DISTANCES O INDICATE NORTH BY ARRO	W.	1
1-030 M60 M60 M	60 FEET 60 FEET	34H		Village MANO	ot
GIVE RATE	WATER AT END OF TEST 42 FEET ! ■ CLEAR 2 □ CLOUDY	i i		111,400	TICK
D SHALLOW & DEEP SETTING 060	43-45 RECOMMENDED 46-49 PUMPING 5 GPM	BEAL	IER WOOD		
50-53 GPM./FT. SPECIFIC (140' JA'	Comment of the control of the contro	1.	
FINAL STATUS 2 D OBSERVATION WELL 3 D TEST HOLE	ABANDONED, INSUFFICIENT SUPPLY ABANDONED, POOR QUALITY UNFINISHED		!	5	
	COMMERCIAL	110124	 	1111	
VVATER 3 IRRIGATION 7	MUNICIPAL PUBLIC SUPPLY COOLING OR AIR CONDITIONING	1/LOT 24 PL AN	771	12	
OTHER	9 [] NOT USED	(2 710		$\parallel \xi$	
METHOD CABLE TOOL CONVENTIONAL CONVENTIONAL CABLE TOOL CONVENTIONAL CABLE TOOL CONVENTIONAL CABLE TOOL	6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING				
DRILLING 4 POTARY (AIR) 5 X AIR PERCUSSION	9 DRIVING	DRILLERS REMARKS:		! '	
NAME OF WELL CONTRACTOR	LICENCE NUMBER	> DATA 50	ONTRACTOR 059-62 DATE	71177	63-68 80
Capital Water Supply Dto ADDRESS Box 490 Stittsville, Unt NAME OF DRILLER OR BORER NAME OF DRI		DATE OF INSPECTION	INSPECTOR	1117	
Box 490 Stittsville, Unt	Licence NUMBER	S JUNE 7/7	8 DN-	<u> </u>	
	SUBMISSION DATE		RICK - EROUN	5-AC	
MINISTRY OF THE ENVIRONMENT	F CORY	· NoT PL	TIEDON	ASTER WI	

<u>,,78</u>

	Ministry
IYYI	of the
	Environment
Ontario	

The Ontario Water Resources Act 316 49 WATER WELL RECORD

Ontario 1. PRINT ONLY IN SPA 2. CHECK COUNTY OF DISTRICT	BOX WHERE APPLICABLE	151707	8 15.004 C	GN.	A
Carleton	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAG		CON, BLOCK, TRACT, SURVEY, ETC. John Street		or 25.27
	ss 9 Cleopatra Dr	ive, Nepean,	Ontario K260B6 DAY	OMPLETED	18-53 YR TS
19 12	THING O	4 0310	RC BASIN CODE	111	IV .
· · · · · · · · · · · · · · · · · · ·	OF OVERBURDEN AND BEDI	ROCK MATERIALS	ISEE INSTRUCTIONS		
GENERAL COLOUR MOST COMMON MATERIAL	OTHER MATERIALS		GENERAL DESCRIPTION	DEPTH -	FEET TO
Brown Hardpan	Stones			0	3
Gray Limestone				3	50
				The same of the sa	
31 00036/4/2 00502	15				
WATER RECORD			SIZE S) OF OPENING 31-33 DIAM	11111	75 60
WATER FOUND KIND OF WATER INS	SIDE WALL THICKNESS	DEPTH - FEET	(SLOT NO)	ETER 34-38 LEN	GTH 39-40 FEET
10-13 10-13 SULPHUR TO SALTY 4 MINERAL	INCHES F	13-16 X	MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	41-44 10
15-18 1 FRESH 3 SULPHUR 19 2 SALTY 4 MINERAL	CONCRETE 188	0 0022	PLUGGING & SEA	LING RECOR	
20-23 1 FRESH 3 SULPHUR 24 2 SALTY 4 MINERAL	17-18 1 STEEL 19 2 GALVANIZED 3 CONCRETE 2	22 00 50	PEPTH SET AT - FEET MATERIAL AND	D TYPE (CEMENT LEAD PACKE	
FRESH 3 T SULPHUR 29	24-25 1 STEEL 26	27-30	10-13 14-17 18-21 22-25		
1 FRESH 3 SULPHUR 34 60 2 SALTY 4 MINERAL	Z GALVANIZED CONCRETE OPEN HOLE		26-29 30-33 80		
71 JUMPING TEST NETHOD 10 PUMPING RATE	H-14 DURATION OF PUMPING		LOCATION OF WEL		
STATIC WATER LEVEL 25 LEVEL END OF WATER LEVELS	DURING HOURS MIAS	IN DIAGRAM	BELOW SHOW DISTANCES OF WELL		
PUMPING 19-21 22-24 15 MINUTES 30 26-28	₹ ☐ RECOVERY MINUTES 45 MINUTES 60 MINUTES 29-31 32-34 35-37	LOT LINE	INDICATE NORTH BY ARROW.	154	4
O 10 FEET O 25 F		Mc	in Street		_
S IF FLOWING. GIVE RATE GPM RECOMMENDED PUMP TYPE RECOMMENDED PUMP TYPE RECOMMENDED PUMP TYPE RECOMMENDED PUMP TYPE	FEET 1 CLEAR 2 CLOUDY 43-45 RECOMMENDED 45-49				
SHALLOW X DEEP SETTING OF	PUMPING OOOS GPM		ann st		
FINAL 1X WATER SUPPLY	5 ABANDONED. INSUFFICIENT SUPPLY	-			
STATUS . OBSERVATION WELL	ABANDONED POOR QUALITY UNFINISHED	Village of Manotic			
55-56 1 3C DOMESTIC 5		Marotic	K	5	
WATER 3 IRRIGATION . 7	MUNICIPAL PUBLIC SUPPLY COOLING OR AIR CONDITIONING		T 36' 48'	\	
, OTHER	• □ NOT USED		70	•	
METHOD OF □ CABLE TOOL □ ROTARY (CONVENTIONAL) □ ROTARY (REVERSE)	● □ BORING 7 □ DIAMOND ■ □ JETTING				
DRILLING 4 ROTARY (AIR) 5 AIR PERCUSSION	9 DRIVING	DRILLERS REMARKS			
Capital Water Supply Lt	LICENCE NUMBER	> DAYA SOURCE	54 CONTRACTOR 59-62 DATE MCEIVED	0870	9-41 40
ADDRESS		SOURCE O DATE OF INSPECTION	/538 1 0	006	J
Box 490, Stittsville, O	nterio KOA 3GO	O REMARKS	/L		
SIGNATURE OF CONTRACTOR	SUBMISSION DATE	OFFICE			
MINISTRY OF THE ENVIRONM	IENT COPY	ō		FORM NO. 05	

MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act ER WELL RECOR 1517732 15,00H CHECK 🗵 CORRECT BOX WHERE APPLICABLE TOWNSHIP BOROUGH CITY TOW North Gower Ottawa-Carleton Rideau DATE COMPLETED DAY 25 мо._09 Rideau Twp., MNorth Gower, Ont 0290 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) MOST COMMON MATERIAL GENERAL COLOUR OTHER MATERIALS DEPTH - FEET GENERAL DESCRIPTION Brown Clay 0 15 Gray Clay 15 25 Gray Limestone 25 95 <u>Gray</u> Sandstone 95 135 00,15605 | 002,5205 | 009,5215 | 01,35218 | 10 14 15 21 32 43 54 32 65 (51) WATER RECORD CASING & OPEN HOLE RECORD KIND OF WATER DEPTH - FEET MATERIAL MATERIAL AND TYPE DEPTH TO TOP OF SCREEN 00701 06 10 2 SALTY 4 MINERAL 3 D SULPHUR GALVANIZED 67 0 (33-64 188 ٠X 3 CONCRETE
4 CONCRETE FRESH 61 oh34' PLUGGING & SEALING RECORD 2 🖂 0034 - FEET 1 | FRESH MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.) 3 [SULPHUR **6**6 33 8 2 GALVANIZED **0135** FROM SALTY MINERAL 3 [] CONCRETE 3 SULPHUR
4 MINERAL 1 | FRESH 4.4 OPEN HOLE 24-25 1 STEEL
2 GALVANIZED Z SALTY 22-25 3 SULPHUR
4 MINERAL 1 | FRESH 3 CONCRETE 26-29 30-33 80 2 🗋 SALTY 4 - OPEN HOLE HEING TEST LOCATION OF WELL 1 **X** PUMP 0075 01 15-16 OO 2 D BAILER WATER LEVEL END OF PUMPING IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW. 1 X PUMPING WATER LEVELS DURING UTES 30 MINUTES ._RT 45 MINUTES 29-31 050 FEET 050 FEET **6** 20 FEET **0**50 FEET IF FLOWING 1 ALCLEAR 2 CLOUDY 43-45 RECOMMENDED PUMPING RATE RECOMMENDED PUMP TYPE RECOMMENDED PUMP SETTING 0005 GPM SHALLOW A DEEP GPM. / FT. SPECIFIC CAPACITY 1 M WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY FINAL 2 D OBSERVATION WELL
3 TEST HOLE
4 RECHARGE WELL 6 ABANDONED POOR QUALITY STATUS OF WELL DOMESTIC 5 COMMERCIAL 2 STOCK
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OTHER MUNICIPAL DR. LEACH LANE WATER ☐ PUBLIC SUPPLY USE OI 9 | NOT USED CABLE TOOL
ROTARY (CONVENTIONAL)
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ROTARY (AIR) 6 BORING METHOD 7 DIAMOND OF 5 8 D JETTING 4 PROTARY (AIR)
5 AIR PERCUSSION 9 DRIVING

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	NAME OF WELL CONTRACTOR	LICENCE NUMBER	C		CONTRACTOR 59-6	DATE RECEIVED	
8	Capital Water Supply Ltd.	1558	13	SOURCE	1558	103.03	R:
⊢	ADDRESS		Ιō	DATE OF INSPECTION	INSPECTOR	0000	
Ϋ́	Box 490, Stittsville, Ontario	KOA 3GO	SE				
E	NAME OF DRILLER OR BORER	LICENCE NUMBER	ı	REMARKS:			- _T
S	S. Miller,		빙				P
ວັ	SIGNATURE OF CONTRACTOR SUBMISSION DATE		正				
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The Ontario Water Resources Act WATER WELL RECORI

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		o Rideau	Twp. Nor	th Gower		DAY 14 MO 10 YR 8:
	12	$P_1O_17_18_99_{24}$	4 030		6 I	" ''' 'V'
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DRILLING	5 AIR PERCUSSION	7 DRIVING	DRILLERS REMARK	s		
NAME OF WELL CO		LICENCE NUMBER	DATA SOURCE	58 CONTRACT	OR 59-62 DATE R	3 82
ADDRESS	al Water Sup		O DATE OF INSPE		INSPECTOR	
BOX 49	90. Stittsvi or Borer	lle, Ont. KOA 3GO	S REMARKS			
ADDRESS BOX 49 NAME OF DRILLER S. MI SIGNATURE OF COM	ller	SUBMISSION DATE	OFFICE			
LILL)C	Kayana	0 DAY 15 NO 10 YA	1 9		\$	FORM NO 0506—4—77 FORM 7
MINUCTOV	OF THE ENVIRO	ALLACE NEW COOK				5000410 0500 4 77 50047



The Ontario Water Resources Act 3/649 WATER WELL RECORD

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	ntario	1 PRINT ONLY IN 2. CHECK 🗵 CORR	SPACES PROVIDED RECT BOX WHERE APPLICAB TOWNSHIP, BOROUGH		/	5179		1,5,0,0	14 15	ן,אי	A
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(<u>71</u>	PUMPING TEST METHOD			15-16	17-18		L	OCATION	OF WEL	L ,	
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٦	SHALLOW	M DEEP SETTING	40 FEET RATE	0005	GPM			:	Lot 2	1 1	
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\vdash	55-56	4 RECHARGE WELL	5 COMMERCIAL			3			~	H.	
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F	NAME OF WELL CON			LICENCE NUMBER		DATA SOURCE	58 CC	ONTRACTOR 59-	62 DANECK	108	9-68 80
TOR	Capital ADBRESS	. Water Supp	oly Ltd.	1558	ONL	DATE OF INSPECT	ION	1558 INSPECTOR		- TO (7.6
CONTRACTOR	Box 490	Stittsvil	lle, Ont. K	OA 3GO	- RE	REMARKS			•		
CON	J. MOOR	TRACTOR	SUBMISSION DA	TE	OFFICE OFFICE						
Ĺ	YOKO	urinagh) DAY 01	MO 06 VE	≅ ,હ					FORM NO. 0506-	cses
	MINISTRY	OF THE ENVIF	RONMENT CO	PΥ						FOHM NO. 0506-	-4/7 FORM 7



The Ontario Water Resources Act 31649 WATER WELL RECORD

Environment Ontario 1. PRINT ONLY IN	a ** (1518928	5,N A	
2. CHECK ⊠ CORF	TOWNSHIP, BOROUGH, CITY, TOWN VILL	AGE CON . BLOCK TRACT SURVEY ETC	1	23 74
Ottawa-Carleton OWNER (SURNAME FIRST) 28-47	Rideau - North	Gower Conc. A		\dashv
Aselford-Martin Ltd.	NORTHING	Dr.; Ottawa, Ont. K2C OR4	21 MO 03 YR.	84
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L	OG OF OVERBURDEN AND BE	DROCK MATERIALS (SEE INSTRUCTIONS)	DEPTH - FEET	
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Brown Clay		Packed		14
Blue Clay		Soft		23
Blue Clay	boulders	Soft		41
Gray Sand	boulders & gravel	Packed		51
Gray Limestone		Medium	51 7	75
			1 (5% y)	
			2	
	3305 85 0041 30512	385 0051228/311 Q07521578 L		
32 10 14 15 21	1/51)		75 METER 34-38 LENGTH	39-40
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10-13 1 FRESH 3 SULPHUR 14	INCHES INCHES	FROM TO O MATERIAL AND TYPE	OF SCREEN	
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20-23 1 FRESH 3 SULPHUR 24	17-18 1 G STEEL 19	ZO-Z3 DEPTH SET AT - FEET MATERIAL /	ND TYPE (CEMENT GROUT LEAD PACKER, ETC	
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2 SALTY 4 MINERAL , 30-33 1 FRESH 3 SULPHUR 34	24-25 1 STEEL 26 2 GALVANIZED	27-30 18-21 22-25 25-29 30-33 80		
2 SALTY 4 MINERAL	3 CONCRETE 4 OPEN HOLE			
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OF 3 ROTARY (REVERS	_			
3 LAIR PERCUSSION		DRILLERS REMARKS		
NAME OF WELL CONTRACTOR Capital Water Supply	Licence Number	DATA SE CONTRACTOR 59-62 DAY REPORTS OF THE PROPERTY OF THE PR	05 84	
Box 490; Stittsville		O DATE OF INSPECTION INSPECTOR	•	
NAME OF DRILLER OR BORER	LICENCE NUMBE	ER D REMARKS		
W. Kavanagh	SUBMISSION DATE	24 OFFICE	-	
MINISTRY OF THE EN	VIRONMENT COPY	VR.Q.	FORM NO. 0506-4-77 F	ORM 7

(3)	Ministry of the
	Environment
Ontario	1. PRIN

The Ontario Water Resources Act 31649 WATER WELL RECORD

December 201 193; Manottick, Ontario. KOA 200 193; Manottick, Ontario. KOA 200 193; Manottick, Ontario. KOA 200 194; Manottick, Ontario. KOA 200 1	Ontario Env	_	SPACES PROVIDED	151910	6 15004	CON. 15 22 23 2
1193; Manotick, Ontario. KOA 2NO 111 oc. 06. no. 04 no. 07.891.9 20 00. 07.891	COUNTY OR DISTRICT	'anlatan		uer		00.0
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Capital Water Supply Ltd. Box 490; Stittsville, Ont. KOA 3GO NAME OF WELL CONTRACTOR LICENCE NUMBER SUBMISSION DATE DAY AND OCCUPANT SUBMISSION DATE CSS CGS		A GROTARY (AIR)	9 DRIVING	DRILLERS REMARKS		·
Box 490; Stittsville, Ont. KOA 3GO NAME OF DRILLER OR BORER W. Kavanagh SIGNATURE OF CONTRICTOR DAY DAY DAY DAY OF CONTRICTOR CSS. GS	I t			DATA SOURCE	1 _	070804
PO CONTROLOR DAY 12 MO OG VAST. 5	ဋ <u>ီ Cap</u> ita					0084
PO CONTROLOR DAY 12 MO OG VAST. 5	BOX 49	90; Stittsville		O REMARKS		
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The Ontario Water Resources Act WATER WELL RECORD

Ontario Environment	SPACES PROVIDED	1519491	MUNICIP. CON.	d si	141 1
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41 WATER RECORD	CASING & OPEN HOLE	RECORD Z	54 65 IZE(S) OF OPENING 31-33 DIA SLOT NO)	METER 34-38	75 40 LENGTH 39-40
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30-33 FRESH 3 SULPHUR 34 10 2 SALTY 4 MINERAL	2 GALVANIZED 3 CONCRETE 4 DOPEN HOLE		26-29 30-33 80		
PUMPING TEST METHOD 10 PUMPING RAT	E 11-14 DURATION OF PUMPING	4983	LOCATION OF WE	LL	
1 Pump 2 Bailer 00	5 GPM 15-16 17-18 MINS		BELOW SHOW DISTANCES OF WEI	LL FROM ROAD A	AND
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GIVE RATE GPM.	FEET 1 CLEAR 2 CLOUDY				
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FINAL STATUS Water Supply Description we STATUS	5 ABANDONED, INSUFFICIENT SUPPLY CLL 6 ABANDONED, POOR QUALITY 7 UNFINISHED		(1870)	-	
OF WELL RECHARGE WELL					
WATER Grant Grant	5 COMMERCIAL 6 MUNICIPAL 7 PUBLIC SUPPLY				
USE 0 INDUSTRIAL	● ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED				
METHOD 2 GABLE TOOL 2 GROTARY (CONVEN	6 BORING NTIONAL) 7 DIAMOND	11			
OF 3 ROTARY (REVERS					
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a herry hairs le	W Dullary 3644	SOURCE	3644	U	· · · ·
ADDRESS 326, Re	ilmord Ont.	SE SE	NSPECTOR		
ADDRESS ADDRESS NAME OF DRILLER/OF BEFRER SIGNATURE OF CONTENCE/DR	LICENCE NUMBER	D REMARKS			
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MINISTRY OF THE ENVIRONM	FNT COPY	i [5—4—77 FORM 7

Follow the COVID-19 restrictions and public health measures (https://covid-19.ontario.ca/public-health-measures) and book your appointment to get vaccinated (https://covid-19.ontario.ca/book-vaccine/).



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Menu

(/page/government-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 <u>Open Data catalogue</u> (https://data.ontario.ca/dataset/well-records).

Go Back to Map ()

Well ID

Well ID Number: 1512038

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	002
Concession	CON A
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 445850.80 Northing: 5008002.00
Municipal Plan and Sublot Numb	er
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	HPAN	GRVL	BLDR	0 ft	48 ft
GREY	LMSN			48 ft	156 ft

Annular Space/Abandonment Sealing Record

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

Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	
	Domestic

Status of Well

Water Supply

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
6 inch	STEEL		52 ft
6 inch	OPEN HOLE		156 ft

Construction Record - Screen

Outside	Material	Depth	Depth
Diameter		From	То

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1558

Results of Well Yield Testing

After test of well yield, water was CLEAR

If pumping discontinued, give reason

Pump intake set at	
Pumping Rate	10 GPM
Duration of Pumping	1 h:0 m
Final water level	80 ft
If flowing give rate	
Recommended pump depth	90 ft
Recommended pump rate	5 GPM
Well Production	PUMP
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL	50 ft		
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15	80 ft	15	
20		20	

25		25
30	80 ft	30
40		40
45	80 ft	45
50		50
60	80 ft	60

Water Details

Water Found at Depth	Kind
155 ft	Fresh

Hole Diameter

-	Depth	Diameter
From	То	

Audit Number:

Date Well Completed: August 18, 1972

Date Well Record Received by MOE: October 04, 1972

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)

Updated: October 18, 2021

Published: March 20, 2014

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Menu

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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 <u>Open Data catalogue</u> (https://data.ontario.ca/dataset/well-records).

Go Back to Map ()

Well ID

Well ID Number: 7355047 Well Audit Number: *C39106* Well Tag Number: *A233209*

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location

Township	NORTH GOWER TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 446225.00 Northing: 5008240.00
Municipal Plan and Sublot Number	r
Other	

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

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

Method of Construction & Well Use

Method of Construction Well Use

Status of Well

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	То

Construction Record - Screen

Outside	Material	Depth	Depth
Diameter		From	То

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7543

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at

Pumping Rate

Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter

Audit Number: C39106

Date Well Completed: November 01, 2017

Date Well Record Received by MOE: November 17, 2017

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)

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Menu

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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 <u>Open Data catalogue</u> (https://data.ontario.ca/dataset/well-records).

Go Back to Map ()

Well ID

Well ID Number: 7373237 Well Audit Number: *Z340904* Well Tag Number: *A267575*

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location

Township	NORTH GOWER TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 446152.00 Northing: 5007860.00
Municipal Plan and Sublot Numbe	r
Other	

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

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

Method of Construction & Well Use

Method of Construction Well Use

Status of Well

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth		
Diameter		From	То		

Construction Record - Screen

Outside	Material	Depth	Depth
Diameter		From	То

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1844

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at

Pumping Rate

Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter

Audit Number: Z340904

Date Well Completed: July 08, 2019

Date Well Record Received by MOE: November 23, 2020

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)

Updated: October 18, 2021

Published: March 20, 2014

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Well Own	ner's Information			SHEET ST			HE E					
First Name	_	ast Name /		n			E-mail Add	ress				Constructed ell Owner
Mailing Add	1 16 24 Clares (Street Number/Nam	ne)	10_ (N	M	unicipality	4 .	Province	Postal Code		Telephone N		
The second secon	62 Mano tu	k ul	ain S	treat	Ma	notic	Onta	TO MUMI	A6			
Well Loca Address of	Well Location (Street Nur	mber/Name)	31115151	To	ownship			Lot		Concession		
556	2 Manotil	anlai	Stor	ect	Non		wer	Pt 63		A	Destal	Codo
	trictiMunicipality	2			ity/Town/Vii	1.4	6		Ont		Postal	Code
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0.0							Tillier	ushed sand	180	0	0	0.79
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NAME OF TAXABLE PARTY.		Annular	Space	111111111111111111111111111111111111111			THE SEC. OF SE	Results of We	ell Yie	ld Testing		
Depth Se	et at (m/ft)	Type of Sea (Material ar				Placed	After test of wel	l yield, water was:	-	aw Down Water Level		ecovery Water Level
0		ersa			1111		Other, spe		(min)	(m/ft)	(min)	(m/ft)
							If pumping disc	ontinued, give reason:	Static			
0.25	The state of the s	plus	1		16	_			1		1	
1.50		er san	d		16	ag	Pump intake s	et at (m/ft)	2		2	
3.82	4.07 hale	plug			1/2/2	ag	Pumping rate (Vmin / GPMI	3		3	
Meth Cable To	nod of Construction	Pu	hlie	Well Us		Not used	1 411-191-191-191-191-191-191-191-191-191-		4		4	
Rotary (C	Conventional)	Do	mestic	☐ Municipa	d 🗆	Dewatering	Duration of pur	mping	5		5	
Rotary (F	Reverse) Driving Digging	I Liv	estock gation	Cooling		Monitoring oning		el end of pumping (m/ft)	10		10	
Air percu	sion security salvas		ustrial ner, specify						15		15	
	Construction R			001001010	Status	of Well	If flowing give i	rate (l/min / GPM)	-		2.59	
Inside Diameter	Open Hole OR Material	Wall	-	h (<i>m/ft</i>)	☐ Water	Supply	Recommended	d pump depth (m/ft)	20		20	
(cm/in)	(Galvanized, Fibreglass, Concrete, Plastic, Steel)	Thickness (cm/in)	From	То	Replac	ement Well ole	Danamanada	d museum made	25		25	
5.2	olastic	0.4	0	1.5-	Rechar	- 1	(l/min / GPM)	pump rate	30		30	
						ation and/or	Well production	n (I/min / GPM)	40		40	
			K F y		Monitor Alterati	ing Hole on	D: 1 1 10		50		50	
					(Constr	ruction) oned,	Disinfected? Yes	No .	60		60	
	Construction R	ecord - Scre	en	Martin		ient Supply oned, Poor		Map of W	ell Lo	ation	16.153	
Outside Diameter	Material (Plastic, Galvanized, Steel)	Slot No.		h (<i>m/ft</i>)	Water		Please provide	a map below following	instruc	tions on the ba	ack.	
(cm/in)	(Plasuc, Galvanized, Steel)		From	То	specify							
6.0	plastic	10	1.5	3.6	Other,	specify						
Water foun	Water Det		Untested		ole Diame h (m/ft)	Diameter		Tite clas	1 0	a ha	-00	
	v/ft) Gas Other, spe	Comment of the last	Ontested	From	То	(cm/in)	312	Tite plan		0	1	
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	v/ft) Gas Other, spe d at Depth Kind of Wate		Untested									
	v/ft) ☐ Gas ☐ Other, spe	34500 M										
Rusinas	Well Contractor	r and Well	Technicia			Letter 1						
	ame of Well Contractor			(c	Contractor's	Licence No.						
	ddress (Street Number/Na	me)	0		nicipality		Comments:					
Province	A poleton	Side	Load E-mail Add		Alm	onte						
Ortar		1000			net.	a		Date Package Delivere	d	Minist	ry Use	Only
Bus.Telepho	one No. (inc. area code) Na	me of Well	echnician (Last Name, I	First Name)		information package	YIYIY M MM	DD	Audit No.	27	823
Well Technici	2567666 ian's Licence No. Signature	of Technicia	and/or Co		a ~ e Submitted		delivered Yes	Date Work Completed		ZI	41	023
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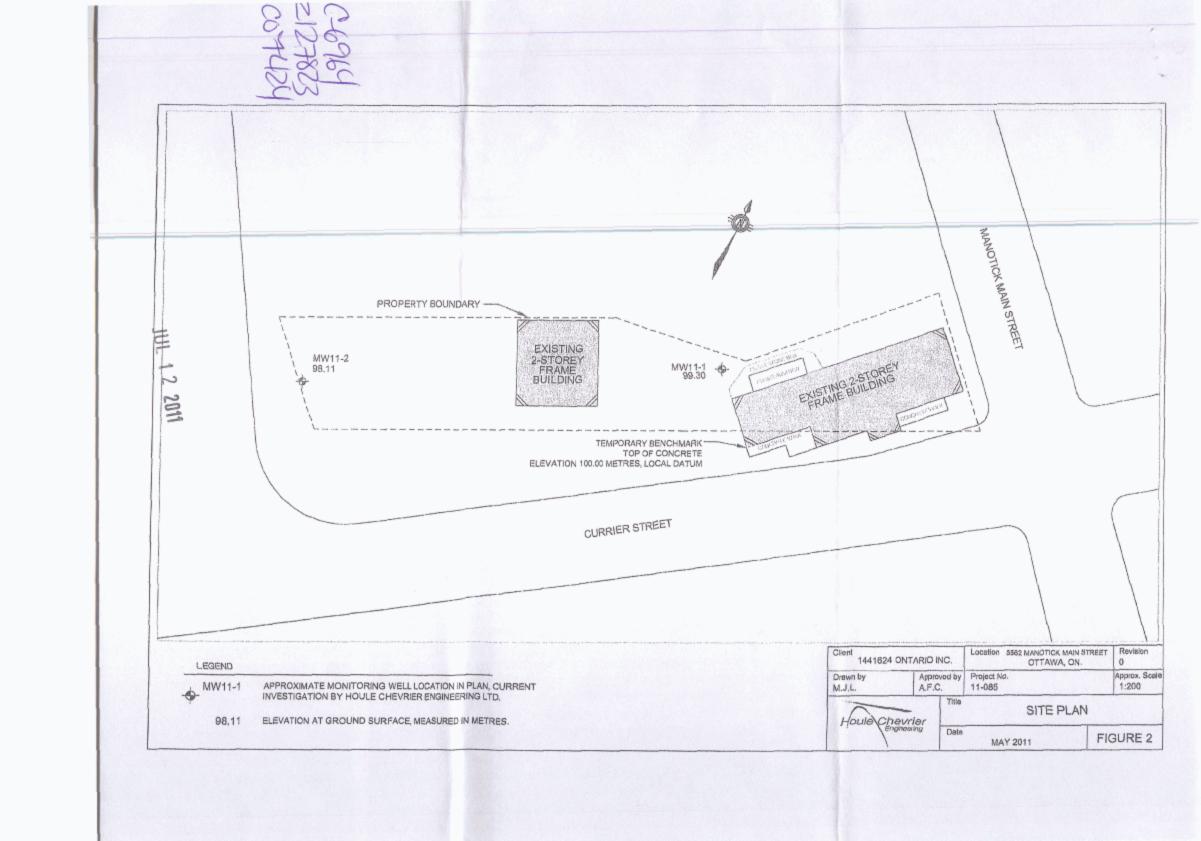
Well Tag No.)
A108238
A108238

Cluster Well Information for Cluster Well Construction

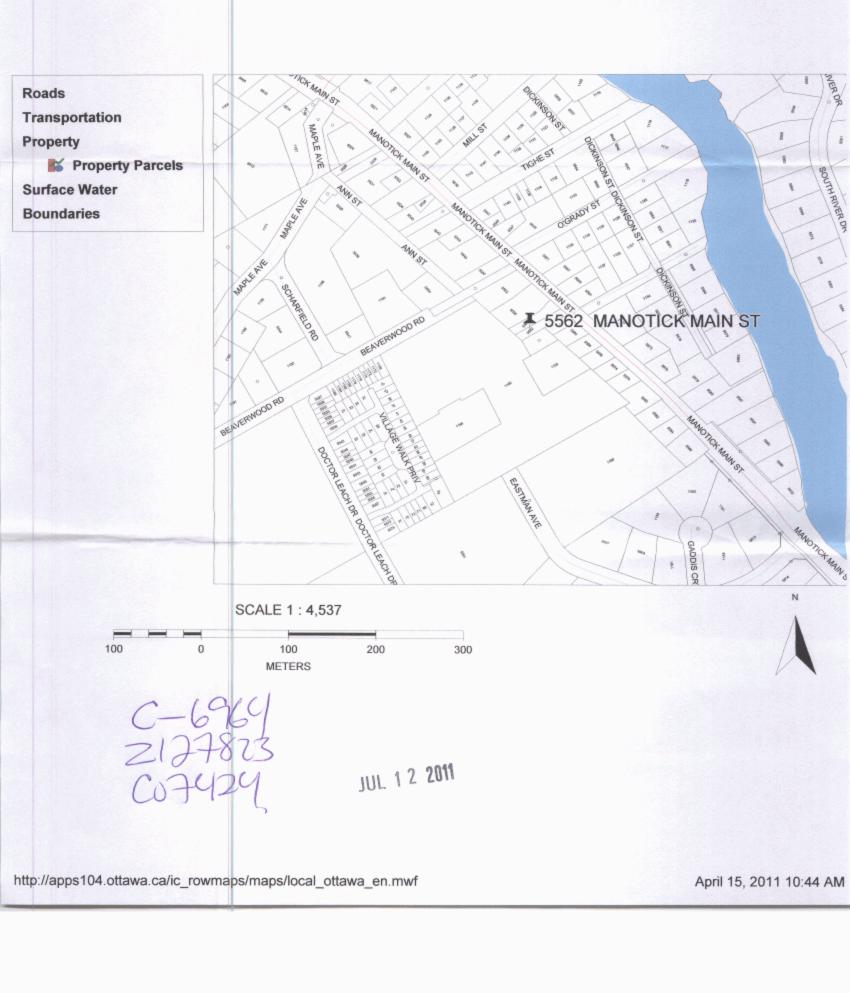
Regulation 903 Ontario Water Resources Act

Page 2 of 2

Property Owner's Information				Consent	
First Name Last Name	Mailing Address (Street N	No./Name, RR) Munic	cipality	Property Owner's Consent to use cluster form	m
Province Postal Code Ordanio Kymy Ab	E-mail Address		Manotick No. (inc. area code)	Signature	Date (yyyy/mm/dd)
Cluster Well Information				Consent to release additional information to	the Director
Address of Well Location (Street Number/Name, RR) 5562 Manofulk Main Street City/Town/Yillage Province Postal Cod Manofulk Ontario K 4 Manofulk Ontario		Cower	htty/District/Municipality Carleton Indifferentiated Averaged	Signature of Technician/Contractor	Date (yyyy/mm/dd)
Well # UTM Coordinates Full Depth of Hole Dia on Sketch Zone Easting Northing Hole (metres)		h Screen Interval (metres) Annular Space From To Sealant Used		Comments	Date of Completion (yyyy/mm/dd)
411-11844637050080734.88 2	2 H.S. Auger plastic 1.5	1.5 3.9	1.45		2011/04/1
M-21844634850080574.07	<i>iel " " "</i>	15 3.6	1.45		
		-			
	All Annual Control of Control				The state of the s
				Data Landellia Chata Carata dal Data Landella	Charles Constants
Well Contractor and Well Technician Information Business Name of Well Contractor	Business Address (Street Number/Name, RR)	Municipality	Province	Date 1st Well in Cluster Constructed (yyy/mm/dd) 201104114 Date Last Well in (yyy/mm/dd) 201114	
OGS INC	5518 Appleton Side Poor	ad Almonte	Ontario	Ministry Use Only	
Postal Code Business Telephone No. (Inc. area code) No A A O G 3 2 5 6 7 6 6	Well Contractor's Licence No. Business E-mail	Address		Date Received (yyyy/mm/dd) JUL 1 2 2011 Date Inspected	i (yyyy/mm/dd)
Name of Well Technician (First Name, Last Name)	Well Technician's Licence No. Date Submitted ()	yyyy/mm/dd) Signature of Technician		CO7424 Remarks	1823
1991 (11/2006)		Ministry's Copy		© Queen's Printe	ter for Ontario, 2006



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7 100-	linistry of the Environment and Climate Change	Well Tag No. (Place Stick	er and/or Print Below)	Regulation	n 903 Ontario	Well R	
Measurements recorded in:	Metric Imperial	1341619	BH 2			age(of
Well Owner's Information	Last Name / Organization		E-mail Address				Constructed
Mailing Address (Street Number	er/Name)	Municipality	Province	Postal Code	Telepho	one No. (inc. a	
Well Location Address of Well Location (Stre	eţ Number/Name)	Township		Lot	Conces	ssion	
County/District/Municipality	lain St.	City/Toym/Village			Province	Postal	Code
UTM Coordinates Zone, Easti	re and less and a	Municipal Plan and S	ublot Number		Ontario Other		
		台は Ning Record (see instructions c	in the back of this form)				
1	Common Material	Other Materials	Gen	eral Description	ŧ	From	h (<i>m/ft</i>) To
blown Cla	1.	Fine sand	Jense			G is	81
grey lime	Store		locus, l	terd		81	17:34
			<u> </u>				- Villa
		4-					
	Annular Space			Results of W	eli Yielo Testi	na	
Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	After test of well yield, Clear and sand	water was:	Draw Dow Time Water L	n Re _evel Time V	covery Water Level
311 (1311)	leptonik 3/8	digs 0.243	Other, specify	ed, give reason:	(min) (m/f. Static Level	t) (min)	(m/ft)
61311 771311 CON 311 Flu	Chmount Clushed	1 10.543	Pump intake set at (m	(5)	1	1	
	nik toppdairwit	th topult sod.	Pumping rate (l/min / 0		3	3	
	amond Public [Weİl Use ☐ Commercial ☐ Not used	Duration of ourseless	orwj	4	4	
Rotary (Conventional)	iving Livestock	Municipal	"'9 '. · · · ·	nin	5	5	
Air percussion Other, specify	☐ Industrial ☐ Other, specify		If flowing give rate (I/m		10	10	
Inside Open Hole OR Mat	on Record - Casing erial Wall Depth	Status of Well			20	20	
Diameter (Galvanized, Fibreg Concrete, Plastic, S	ass, - Thickness	To Replacement We			25	25	
1.25" Plashic	0.1401 311	77311	(i/min / GPM)		40	30 40	
		Monitoring Hole	Well production (Vmin) Disinfected?	(GPM)	50	50	
		(Construction) Abandoned, Insufficient Suppl	Yes No		60	60	
Outside Material Diameter (Plastic Galvanized	on Record - Screen Depth (Sicel) Slot No.	☐ Abandoned, Pool (m/ft) Water Quality ☐ Abandoned, othe	Please provide a ma		ell Location ng instructions (on the back.	
1. (df) Plashic	3 71211	specify					
		Other, specify			<i></i>		
Water found at Depth Kind of		Hole Diameter Depth (m/ft) Diameter From To (cm/in		The same of the sa			
Water found at Depth Kind of		0, 8, 311	- LE 21	NAME OF THE PROPERTY OF THE PR			
(m/ft) Gas Other Water found at Depth Kind of V	Nater: Fresh Untested -	8\ 1713" 2.F	200	LAG	533		
(m/ft) Gas Othe Well Cont Business Name of Well Contrac	ractor and Well Technician			Sider	elk		
Business Address (Street Numb		Well Contractor's Licence		10 L'CE	DEIN	5/	
Province Postal Coo	lin high flace	Municipality OHAWA	Comments:				
ON KIRE	141 muella	Mcda ling cos		ackage Delivere		nistry Use (
Bus. Telephone No. (inc. area code	Name of Well lechnician (La	ast Name, First Namel) [package Y Y	Y Y M M	D D Audit No	TLIU	1436
Well Technician's Licence No. Sign 0506E (2014/11)	Surge of Technician anovor Conf	tractor Date Submitted 2017 04 64 Ministry's Co	DNO YY	YYMM		1	9 18 Datada 2011
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Measurements recorded in:

Ministry of the Environment, Conservation and Parks

Imperial

Metric

Well-Tan No /D/--- 't Below)

Well Record

Tag#:A277268

Regulation 903 Ontario Water Resources Act
Page of

	ownship	Lot N/A	Concession	$\int \Omega$
County/District/Municipality	ity/Town/Village		Province	Postal Code
UTM Coordinates Zone , Easting Northing N	M A(∧ (1unicipal Pian and Sublot	Number	Ontario Other	14/11/11/11
NAD 8 3 1 8 04458245008115	N/1-	}	√	e e conserva de como como com esta de 1800 de como conserva de 1800 de 1800 de 1800 de 1800 de 1800 de 1800 de
Overburden and Bedrock Materials/Abandonment Sealing Reco General Colour	rd (see instructions on the er Materials	back of this form) General Description		Depth (<i>m/ft</i>) From To
				110111
raise Well	Casina	in	ordince	
		/ 		
With Mo	ulation	40)		
	1 (~ (-
WC II	W//	JUNITZO		
Annular Space Depth Set at (m/ft) Type of Sealant Used	Volume Placed	Results of W After test of well yield, water was:	ell Yield Testing Draw Down	Recovery
From To (Material and Type)	(m³/ft³)	☐ Clear and sand free ☐ Other, specify	Time Water Level (min) (m/ft)	Time Water Level (min) (m/ft)
		If pumping discontinued, give reason:	Static Level	
			1	1
		Pump intake set at (m/ft)	2	2
Method of Construction Well Us	e	Pumping rate (I/min / GPM)	3	3
☐ Cable Tool ☐ Diamond ☐ Public ☐ Commercial ☐ Rotary (Conventional) ☐ Jetting ☐ Domestic ☐ Marricipa		Duration of pumping	A /	4
☐ Rotary (Reverse) ☐ Driving ☐ Livestock ☐ Test Hol		hrs + / min Final water level end of pumping (m/fi	5	5
☐ Air percussion ☐ Industrial ☐ (. Conditioning	Tillal Water level end of pullpling than		10
Other, specify Other, specify Construction Record - Casing	Status of Well	If flowing give rate (Vmin / GPM)	20	20
Inside Open Hole OR Material Wall Depth (m/ft) Diameter (Galvanized, Fibreglass, Thickness	Water Supply Replacement Well	Recommended pump depth/(m/ft)	25	25
(cm/in) Concrete, Plastic, Steel) (cm/in) From To	Test Hole Recharge Well	Recommended pump rate	30	30
	Dewatering Well Observation and/or	(I/min / GPM)	40	40
	Monitoring Hole Alteration	Well production (I/min / GPM)	50	50
	(Construction) Abandoned,	Disinfected? Yes No	60	60
Construction Record - Screen	Insufficient Supply Abandoned, Poor		Vell Location	
Outside Material Diameter (Plastic, Galvanized, Steel) Slot No. From To	Water Quality Abandoned, other,	Please provide a map below follow	ing instructions on t	ne back.
	specify			, r. r.
	Other, specify		House	
	lole Diameter			
(m/ft) Gas Other specify			18-feet	
Water found at Depth Kind of Water: Fresh Untested			7	Well La-tian
(m/ft) □ Gas □ Other, specify □ (I) Water found at Depth Kind of Water: □ Fresh □ Untested □ (I)			47.	feet location
(m/ft) Gas Other, specify Well Contractor and Well Technician Information	Hanstein en de service de la constituté de	Beauerhood		. ,
Business Name of Well Contractor 0 01 0 W	ell Contractor's Licence No.	Rn	<u>√</u>	H
Business Address (Street Number/Name) Mu	unicipality	Comments:	nobut	line
	nanotick		ř	
01 + 4/1/16/7 @nm Ding@Ca-6	electric ca	Well owner's Date Package Delive	Audit No.	try Use Only
Bus. Telephone No. (inc. area code) Name of Well Technician (Last Name,	First Name)	package 2014969		319376
Well Technician's Licence No. Signature of Technician and/or Contractor Da	ate Submitted	☐ No ☐ Date Work Complete	SE	P 0 9 2019
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Ontario

Measurements recorded in:

Ministry of the Environment and Climate Change

Metric

Imperial

Well Tag No. (Place Sticker and/or Print Below)

Well Record
Regulation 903 Ontario Water Resources Act

Tag#:A252081

Regulation 903 Ontario Water Resources Act

Address of Well Loc	ation (Street Number/Name)	- 81	ownship A) n /m	Lot ///	Conc	ession /
County/District/Mun		Universi	ty/Town/Village	unatro	· K	Province Ontario	Postal Code
UTM Coordinates Z	One Easting Northing	Q1115	unicipal Plan and Suble	Number		Other	V/2
Overburden and I	Bedrock Materials/Abandonmen			 back of this for			Depth (<i>m/f<u>t</u></i>)
General Colour	Most Common Material	Otne	er Materials		General Description	JL L	From To
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	1 M () CO				9	1000	
	Grade	-iM	CL CCOPA	ance	'W/:	t-h	
	realiat	ôn a	107				
		, - (
Danilla Callad (a. f.	Annular Space	444444444444444444444444444444444444444	Values Disease	After toot of	Results of \ ell yield, water was:	Vell Yield Tes Draw Do	
Depth Set at (m/ft From To	Type of Sealant Us (Material and Type		Volume Placed (m³/ft³)	Clear and	i sand free	Time Wate	er Level Time Water Level
				If pumping dis	continued, give reaso	Static Level	
				Pump intake s	et at <i>(m/ft)</i>	1	2
				Pumping rate	(Vmin / GPM)	3	3
Cable Tool	Construction Diamond Public	Well Use	cial Not used	Duration of pu	-	4	4
Rotary (Convention Rotary (Reverse) Boring	☐ Driving ☐ Livestock	Municipa Test Hote	/ <u> </u>	hrs +	min rel end of purnping (m)	5	5
Air percussion Other, specify	Digging Irrigation Industrial Other, spec		* All/Colldition and			10	10
	Construction Record - Casing		Status of Well		rate (Vmin / GPM) //	20	20
Diameter (Galva	Hole OR Material Wall anized, Fibreglass, Thickness From the Plastic, Steel) (cm/in)	Depth (<i>m/ft)</i> m To			ed pump depth (m/ft)	25	25
			Recharge Well Dewatering Well	Recommende (I/min / GPM)	ed pump rate '	30	30
			☐ Observation and/or Monitoring Hole	Well production	n (l/min / GPM)	40 50	50
			☐ Alteration (Construction) ☐ Abandoned,	Disinfected?	No	60	60
2012 A 100 A 1	Construction Record - Screen		Insufficient Supply Abandoned, Poor Water Quality	Please provid	Map of de a map below follo	Well Location	
Outside Diameter (cm/in) (Plastic,	Material , Galvanized, Steel) Slot No. Fro	Depth (<i>m/ft)</i> m To	Abandoned, other,		TO A THAP DOTON TONO	······9 ·····	
	<u> </u>		Other, specify	=	He	rusc	
	Water Details	Н	ole Diameter		3		recation =
	oth Kind of Water: Fresh Wunte Gas Other, <i>specify</i>		h (<i>m/ft</i>) Diameter To (<i>cm/in</i>)		3 ,		7 7
Water found at Dep	oth Kind of Water: Fresh Unte	sted G(511		ا لو		fee? 5
Water found at Dep	oth Kind of Water: Fresh Unte	sted			9	ل	feet & 5-7 E
	Gas Other, specify Well Contractor and Well Techi					<i>I</i>	16 1
Business Name of	ectric & Plymbin	9	Il Contractor's Licence No.	300	1th islan	nd Ma	rk Drive
5640 n	(Street Number/Name) Nanotto R Main	571	nicipality Annobic T	Comments:			
Province	Postal Code Business E-ma	(a)cn-	- clestric. ca	Well owner's information	Date Package Deliv	100000000000000000000000000000000000000	Ministry Use Only
16171696	(inc. area code) Name of Well Technic	ian (Last Name,	in STON	package/ delivered	20 V 90 C		it No. Z292190
Well Technician's Lice	ence No. Signature of Technician and/		- V - 1	Yes No	20/19/01	7 6 9 Rec	SEP 0 9 2019 eived
0506E (2014/11)			Ministry's Copy			©	Queen's Printer for Ontario, 2014

Jesse Andrechek

From: Public Information Services <publicinformationservices@tssa.org>

Sent: February 23, 2022 11:11 AM

To: Jesse Andrechek

Subject: RE: Search Records Request (PE5615)

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,

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.

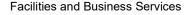
For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationservices@tssa.org along with a fee of \$56.50 (including HST) per location.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

Sherees

Public Information Agent





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: Jesse Andrechek < JAndrechek@patersongroup.ca>

Sent: February 22, 2022 3:26 PM

To: Public Information Services <publicinformationservices@tssa.org>

Subject: Search Records Request (PE5615)

[CAUTION]: This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

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 Manotick (Ottawa), ON:

Beaverwood Road: 1185, 1187, 1189, 1191, 1165

Scharfield Road: 5544, 5547

Maple Avenue: 1168, 1178

Doctor Leach Drive: 5572

Thank you,

Best regards, Jesse Andrechek, BASc

patersongroup

solution oriented engineering over 60 years serving our clients

154 Colonnade Road South Ottawa, Ontario, K2E 7J5 Tel: (613) 226-7381 Ext. 228

Cell: (613) 913-3381

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Project Property: PE5615 - 1185 Beaverwood Road

1185 Beaverwood Road Manotick ON K4M 1L6

Project No: PE5615

Report Type: Standard Report Order No: 22020800656

Requested by: Paterson Group Inc.

Date Completed: February 11, 2022

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Executive Summary

Property Information:

Project Property: PE5615 - 1185 Beaverwood Road

1185 Beaverwood Road Manotick ON K4M 1L6

Order No: 22020800656

Project No: PE5615

Coordinates:

 Latitude:
 45.223608

 Longitude:
 -75.6868444

 UTM Northing:
 5,008,020.34

 UTM Easting:
 446,077.14

UTM Zone: 18T

Elevation: 307 FT

93.52 M

Order Information:

Order No: 22020800656

Date Requested: February 8, 2022

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	Υ	0	0	0
AGR	Aggregate Inventory	Υ	0	0	0
AMIS	Abandoned Mine Information System	Υ	0	0	0
ANDR	Anderson's Waste Disposal Sites	Υ	0	0	0
AST	Aboveground Storage Tanks	Υ	0	0	0
AUWR	Automobile Wrecking & Supplies	Υ	0	0	0
BORE	Borehole	Υ	0	2	2
CA	Certificates of Approval	Υ	0	1	1
CDRY	Dry Cleaning Facilities	Υ	0	0	0
CFOT	Commercial Fuel Oil Tanks	Υ	0	0	0
CHEM	Chemical Manufacturers and Distributors	Υ	0	0	0
СНМ	Chemical Register	Υ	0	0	0
CNG	Compressed Natural Gas Stations	Υ	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Υ	0	0	0
CONV	Compliance and Convictions	Υ	0	0	0
CPU	Certificates of Property Use	Υ	0	0	0
DRL	Drill Hole Database	Υ	0	0	0
DTNK	Delisted Fuel Tanks	Υ	0	0	0
EASR	Environmental Activity and Sector Registry	Υ	0	0	0
EBR	Environmental Registry	Υ	0	0	0
ECA	Environmental Compliance Approval	Υ	0	2	2
EEM	Environmental Effects Monitoring	Υ	0	0	0
EHS	ERIS Historical Searches	Υ	0	5	5
EIIS	Environmental Issues Inventory System	Υ	0	0	0
EMHE	Emergency Management Historical Event	Υ	0	0	0
EPAR	Environmental Penalty Annual Report	Υ	0	0	0
EXP	List of Expired Fuels Safety Facilities	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	26	26
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	1	1
IAFT	Indian & Northern Affairs Fuel Tanks	Υ	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	Fuel Oil Spills and Leaks	Υ	0	1	1
LIMO	Landfill Inventory Management Ontario	Υ	0	0	0
MINE	Canadian Mine Locations	Υ	0	0	0
MNR	Mineral Occurrences	Υ	0	0	0
NATE	National Analysis of Trends in Emergencies System	Y	0	0	0
NCPL	(NATES) Non-Compliance Reports	Υ	0	3	3
NDFT	National Defense & Canadian Forces Fuel Tanks	Υ	0	0	0
NDSP	National Defense & Canadian Forces Spills	Υ	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal	Υ	0	0	0
NEBI	Sites National Energy Board Pipeline Incidents	Υ	0	0	0
NEBP	National Energy Board Wells	Υ	0	0	0
NEES	National Environmental Emergencies System (NEES)	Υ	0	0	0
NPCB	National PCB Inventory	Υ	0	0	0
NPRI	National Pollutant Release Inventory	Υ	0	0	0
OGWE	Oil and Gas Wells	Υ	0	0	0
OOGW	Ontario Oil and Gas Wells	Υ	0	0	0
OPCB	Inventory of PCB Storage Sites	Υ	0	0	0
ORD	Orders	Υ	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	Υ	0	13	13
PINC	Pipeline Incidents	Y	0	3	3
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Υ	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Υ	0	0	0
RSC	Record of Site Condition	Υ	0	0	0
RST	Retail Fuel Storage Tanks	Υ	0	0	0
SCT	Scott's Manufacturing Directory	Υ	0	8	8
SPL	Ontario Spills	Υ	0	3	3
SRDS	Wastewater Discharger Registration Database	Υ	0	0	0
TANK	Anderson's Storage Tanks	Υ	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Υ	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	35	35
		Total:	0	103	103

Executive Summary: Site Report Summary - Project Property

MapDBCompany/Site NameAddressDir/Dist (m)Elev diffPageKey(m)Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>1</u>	CA	TEAMCO HOLDINGS INC.	JOHN ST./DOCTOR LEACH DR.(STP) RIDEAU TWP. ON	S/30.6	-1.43	<u>30</u>
<u>2</u>	WWIS		lot 2 con A ON Well ID: 1517732	E/52.7	-3.69	<u>30</u>
<u>3</u>	wwis		lot 2 con A ON <i>Well ID</i> : 1516469	ENE/76.8	-4.34	<u>34</u>
<u>4</u>	GEN	RIDEAU ANIMAL HOSPITAL	1 ANN ST. MANOTICK ON K0A 2N0	ENE/83.4	-4.83	<u>37</u>
<u>4</u>	GEN	RIDEAU ANIMAL HOSPITAL	1 ANN ST. MANOTICK ON K0A 2N0	ENE/83.4	-4.83	<u>37</u>
<u>4</u>	GEN	RIDEAU ANIMAL HOSPITAL 33- 274	1 ANN ST. MANOTICK ON K0A 2N0	ENE/83.4	-4.83	<u>38</u>
<u>4</u>	GEN	RIDEAU ANIMAL (OUT OF BUS.)	1 ANN ST. MANOTICK ON K0A 2N0	ENE/83.4	-4.83	<u>38</u>
<u>4</u>	GEN	Rideaugreen Veterinary Management Inc.	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9	ENE/83.4	-4.83	<u>38</u>
<u>4</u> .	GEN	Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON	ENE/83.4	-4.83	<u>39</u>
<u>4</u> '	GEN	Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON	ENE/83.4	-4.83	<u>39</u>
<u>4</u>	GEN	Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON	ENE/83.4	-4.83	<u>39</u>
<u>4</u>	GEN	Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON	ENE/83.4	-4.83	<u>40</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>4</u>	GEN	Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9	ENE/83.4	-4.83	<u>40</u>
<u>4</u>	GEN	Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON	ENE/83.4	-4.83	<u>41</u>
<u>4</u>	GEN	Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9	ENE/83.4	-4.83	<u>41</u>
<u>4</u>	GEN	Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9	ENE/83.4	-4.83	<u>41</u>
<u>4</u>	GEN	Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9	ENE/83.4	-4.83	<u>42</u>
4	GEN	Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9	ENE/83.4	-4.83	<u>42</u>
<u>4</u>	GEN	Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9	ENE/83.4	-4.83	<u>42</u>
<u>4</u> .	GEN	Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9	ENE/83.4	-4.83	<u>43</u>
<u>5</u> .	WWIS		lot 7 con 1 ON Well ID: 1511389	WSW/88.3	0.88	<u>43</u>
<u>6</u>	BORE		ON	WSW/88.4	0.88	<u>46</u>
<u>7</u> .	WWIS		lot 2 con A ON Well ID: 1514029	S/105.5	-2.33	<u>48</u>
<u>8</u> .	WWIS		lot 2 con A ON Well ID: 1519106	NW/111.2	-0.64	<u>51</u>
<u>8</u>	WWIS		lot 2 con A ON	NW/111.2	-0.64	<u>55</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1519109			
<u>8</u>	wwis		lot 2 con A ON <i>Well ID:</i> 1519314	NW/111.2	-0.64	<u>58</u>
<u>8</u>	wwis		lot 2 con A ON	NW/111.2	-0.64	<u>62</u>
			Well ID: 1519491			
9	WWIS		lot 2 con A ON <i>Well ID:</i> 1515427	SE/112.0	-3.73	<u>65</u>
<u>10</u>	wwis		lot 2 con A ON	NE/113.6	-5.73	<u>68</u>
			Well ID: 1517078			
<u>10</u>	WWIS		lot 2 con A ON	NE/113.6	-5.73	<u>71</u>
			Well ID: 1517735			
<u>10</u>	WWIS		lot 2 con A ON <i>Well ID:</i> 1518928	NE/113.6	-5.73	<u>74</u>
<u>11</u>	PES	GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED	1168 MAPLE ST, PO 534, STN MAIN MANOTICK ON K4M1A5	NNE/117.8	-5.73	<u>78</u>
<u>11</u>	PES	GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED	1168 MAPLE ST, PO 534, STN MAIN MANOTICK ON K4M1A5	NNE/117.8	-5.73	<u>78</u>
<u>11</u>	HINC		1168 MAPLE STREET MANOTICK ON	NNE/117.8	-5.73	<u>79</u>
<u>11</u>	PES	GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED	1168 MAPLE ST, BOX 534 MANOTICK ON K4M 1A5	NNE/117.8	-5.73	<u>79</u>
<u>11</u>	PES	GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED	1168 MAPLE ST, BOX 534 MANOTICK ON K4M 1A5	NNE/117.8	-5.73	<u>80</u>
<u>11</u>	PES	GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED	1168 MAPLE ST, BOX 534 MANOTICK ON K4M1A5	NNE/117.8	-5.73	<u>80</u>
<u>12</u>	WWIS		lot 2 con A ON	NNE/121.4	-4.64	<u>80</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1510575			
<u>13</u>	wwis		lot 2 con A ON Well ID: 1511320	W/123.3	4.44	<u>83</u>
<u>14</u>	SCT	BARRHAVEN INDEPENDENT	1165 JOHN ST MANOTICK ON K4M	ENE/142.5	-5.73	<u>87</u>
<u>14</u>	SCT	MANOTICK MESSENGER INC.	1165 JOHN ST MANOTICK ON K4M 1A5	ENE/142.5	-5.73	<u>87</u>
<u>14</u>	SCT	MANOTICK PRINTING SERVICES	1165 JOHN ST MANOTICK ON K4M 1A5	ENE/142.5	-5.73	<u>87</u>
<u>14</u>	SCT	IMPLO-TEC RESEARCH CANADA INC.	1165 John St Manotick ON K4M 1A2	ENE/142.5	-5.73	<u>87</u>
<u>14</u>	SCT	Barrhaven Independent	1165 Beaverwood Crs Manotick ON K4M 1A5	ENE/142.5	-5.73	<u>88</u>
<u>14</u>	SCT	Manotick Printing Services	1165 Beaverwood Rd Manotick ON K4M 1A5	ENE/142.5	-5.73	<u>88</u>
<u>14</u>	SCT	Manotick Messenger Inc.	1165 Beaverwood Rd Manotick ON K4M 1A5	ENE/142.5	-5.73	<u>88</u>
<u>14</u>	SCT	Manotick Messenger Inc	1165 Beaverwood Rd Manotick ON K4M 1A5	ENE/142.5	-5.73	<u>89</u>
<u>14</u>	EHS		1165 Beaverwood Road Ottawa Ontario Manotick ON K4M 1L6	ENE/142.5	-5.73	<u>89</u>
<u>15</u>	wwis		lot 2 con A ON <i>Well ID:</i> 1511819	WSW/143.7	2.69	<u>89</u>
<u>16</u>	wwis		lot 1 con A ON <i>Well ID:</i> 1506590	NNW/144.1	-3.43	92
<u>17</u>	PES	ROBINSON'S FOODMARKETS INC.	1160 JOHN STREET MANOTICK ON K4M 1A3	E/145.0	-5.67	<u>95</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>17</u>	PES	PROVIGO DISTRIBUTION INC./ MANOTICK MEWS IND. GROCER	1160 JOHN STREET, BOX 517 MANOTICK ON K4M1A5	E/145.0	-5.67	<u>95</u>
<u>18</u>	ECA	City of Ottawa	Ottawa ON K1J 1A6	SE/145.1	-3.64	<u>96</u>
<u>18</u>	ECA	City of Ottawa	Ottawa ON	SE/145.1	-3.64	<u>96</u>
<u>19</u>	wwis		lot 2 con A ON <i>Well ID</i> : 1511745	W/148.5	3.31	<u>96</u>
<u>20</u>	wwis		lot 2 con A ON	N/152.5	-3.43	<u>99</u>
<u>21</u>	wwis		Well ID: 1510653 lot 2 con A ON	NNW/158.6	-1.69	<u>103</u>
<u>22</u>	wwis		Well ID: 1516267 lot 2 con A ON	W/161.0	2.66	106
<u>23</u>	wwis		Well ID: 1511375 lot 2 con A ON	NNW/163.8	-4.01	<u>110</u>
<u>24</u>	BORE		Well ID: 1506586 ON	W/166.8	4.36	112
<u>25</u>	wwis		lot 2 con A ON	W/168.7	4.36	113
<u>26</u>	wwis		Well ID: 1512263 ON	SE/177.0	-3.64	116
<u>27</u>	PINC	SHAHRAM BAKHTIARI	Well ID: 7373237 5572 DOCTOR LEACH DR,,OTTAWA,ON, K4M 1C8,CA ON	SSE/178.4	-3.64	117
27	SPL		5572 Doctor Leach Drive, Manotick Ottawa ON K4M 1C8	SSE/178.4	-3.64	117

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>27</u>	GEN	City of Ottawa	5572 Dr. Leach Drive Ottawa ON K4M 1C8	SSE/178.4	-3.64	118
<u>27</u>	GEN	City of Ottawa	5572 Dr. Leach Drive Ottawa ON K4M 1C8	SSE/178.4	-3.64	<u>118</u>
<u>27</u>	GEN	City of Ottawa	5572 Dr. Leach Drive Ottawa ON K4M 1C8	SSE/178.4	-3.64	119
<u>27</u>	GEN	City of Ottawa	5572 Dr. Leach Drive Ottawa ON K4M 1C8	SSE/178.4	-3.64	<u>119</u>
<u>27</u>	GEN	Rideau Elevator Services Inc.	5572 DR LEACH DRIVE MANOTICK ON K4M 1C8	SSE/178.4	-3.64	<u>120</u>
<u>27</u>	GEN	City of Ottawa	5572 Dr. Leach Drive Ottawa ON K4M 1C8	SSE/178.4	-3.64	<u>120</u>
<u>27</u>	GEN	City of Ottawa	5572 Dr Leach Dr Manotick ON K4M 1C8	SSE/178.4	-3.64	<u>120</u>
<u>27</u>	GEN	City of Ottawa	5572 Dr. Leach Drive Ottawa ON K4M 1C8	SSE/178.4	-3.64	<u>121</u>
<u>27</u>	GEN	City of Ottawa	5572 Dr Leach Dr Manotick ON K4M 1C8	SSE/178.4	-3.64	<u>121</u>
<u>28</u>	wwis		lot 2 con A ON <i>Well ID:</i> 1509945	N/182.4	-4.01	<u>121</u>
<u>29</u>	wwis		lot 2 con A ON <i>Well ID:</i> 1517944	ENE/182.9	-4.64	124
<u>30</u>	wwis		lot 2 ON <i>Well ID:</i> 1506481	NE/189.5	-5.59	<u>127</u>
<u>31</u>	EHS		5528 Ann St Ottawa ON K4M1A3	NNE/191.5	-6.66	130

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>32</u>	wwis		lot 2 con A ON <i>Well ID</i> : 1510054	WNW/192.1	6.05	<u>130</u>
<u>33</u>	SPL	Enbridge Gas Distribution Inc.	1196 Beaverwood Road Ottawa ON	WSW/196.2	1.36	<u>133</u>
33	PINC	PIPELINE HIT 1/2"	1196 BEAVERWOOD RD,,OTTAWA,ON, K4M 1C7,CA ON	WSW/196.2	1.36	<u>133</u>
<u>34</u>	wwis		lot 2 con A ON <i>Well ID</i> : 1515411	W/203.0	5.14	<u>134</u>
<u>35</u>	PES	MANOTICK HARDWARE LIMITED	1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M1A8	ESE/208.3	-4.64	<u>137</u>
<u>35</u>	INC		1160D Beaverwood Drive, Manotick ON	ESE/208.3	-4.64	<u>138</u>
<u>35</u>	PINC		1166 EASTMAN AVENUE, MANOTICK ON	ESE/208.3	-4.64	138
<u>35</u>	PES	MANOTICK HARDWARE LIMITED	1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M 1A8	ESE/208.3	-4.64	<u>139</u>
<u>35</u>	PES	2485368 ONTARIO INC O/A MANOTICK HOME HARDWARE	1166 BEAVERWOOD RD MANOTICK ON K4M1A8	ESE/208.3	-4.64	<u>139</u>
<u>35</u>	PES	1799598 ONTARIO LIMITED O/A MANOTICK HOME HARDWARE	1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M1A8	ESE/208.3	-4.64	140
<u>35</u>	PES	1799598 ONTARIO LIMITED O/A MANOTICK HOME HARDWARE	1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M1A8	ESE/208.3	-4.64	<u>140</u>
<u>35</u>	PES	2485368 ONTARIO INC.	1166 Beaverwood RD Manotick ON K4M 1A8	ESE/208.3	-4.64	<u>140</u>
<u>36</u>	SPL	SERVICE STATION	5549 ANN ST., MANOTICK (N.O.S.) OSGOODE TOWNSHIP ON	ENE/209.4	-4.34	141

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>37</u>	WWIS		lot 2	NE/217.6	-4.84	141
<u>u.</u>			ON Well ID: 1510183			<u> </u>
<u>38</u>	WWIS		lot 2 con A ON <i>Well ID</i> : 1511479	WNW/218.4	5.56	<u>145</u>
<u>39</u>	NCPL	City of Ottawa - Village Walk STP	65 Village Walk Pvt Ottawa ON	ESE/225.3	-3.78	148
<u>39</u>	NCPL	City of Ottawa - Village Walk STP	65 Village Walk Pvt Ottawa ON	ESE/225.3	-3.78	149
<u>39</u>	NCPL	City of Ottawa - Village Walk Sewage Treatment Plant	65 Village Walk Pvt Ottawa ON	ESE/225.3	-3.78	<u>149</u>
<u>40</u>	wwis		lot 2 con A ON <i>Well ID:</i> 1512038	W/227.1	2.31	<u>150</u>
<u>41</u>	WWIS		lot 2 ON <i>Well ID</i> : 1506448	ENE/228.0	-4.09	<u>153</u>
<u>42</u>	WWIS		lot 1 ON <i>Well ID</i> : 1506447	NNE/234.9	-6.61	<u>155</u>
43	EHS		5536 Manotick Main Street Manotick ON K4M	NE/235.8	-3.92	<u>158</u>
<u>44</u>	wwis		lot 2 con A ON <i>Well ID:</i> 1516364	ENE/236.6	-3.64	<u>158</u>
<u>45</u>	EHS		5549 Ann St Ottawa ON K4M1L6	ENE/245.5	-3.64	<u>161</u>
<u>46</u>	EHS		5544 Main Street Manotick ON	ENE/245.8	-3.74	<u>161</u>
<u>47</u>	wwis		lot 2 con A ON	NW/249.8	1.12	<u>161</u>

Map DB Company/Site Name Address Dir/Dist (m) Elev Diff Page Key (m) Number

Well ID: 1514236

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 2 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u>	Direction	Distance (m)	Map Key
	ON	WSW	88.40	<u>6</u>
	ON	W	166.80	<u>24</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
TEAMCO HOLDINGS INC.	JOHN ST./DOCTOR LEACH DR.(STP) RIDEAU TWP. ON	S	30.60	1

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Dec 31, 2021 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	<u>Address</u>	Direction	Distance (m)	Map Key
City of Ottawa	Ottawa ON	SE	145.13	<u>18</u>
City of Ottawa	Ottawa ON K1J 1A6	SE	145.13	<u>18</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Nov 30, 2021 has found that there are 5 EHS site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	<u>Address</u>	Direction	Distance (m)	<u>Map Key</u>
	1165 Beaverwood Road Ottawa Ontario Manotick ON K4M 1L6	ENE	142.52	<u>14</u>
	5528 Ann St Ottawa ON K4M1A3	NNE	191.55	<u>31</u>
	5536 Manotick Main Street Manotick ON K4M	NE	235.80	<u>43</u>
	5549 Ann St Ottawa ON K4M1L6	ENE	245.53	<u>45</u>
	5544 Main Street Manotick ON	ENE	245.85	<u>46</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Nov 30, 2021 has found that there are 26 GEN site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9	ENE	83.37	<u>4</u>
Rideaugreen Veterinary Management Inc.	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9	ENE	83.37	<u>4</u>
Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9	ENE	83.37	4
Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9	ENE	83.37	<u>4</u>
Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9	ENE	83.37	4

Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON	ENE	83.37	4
Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON	ENE	83.37	<u>4</u>
Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON	ENE	83.37	<u>4</u>
Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON	ENE	83.37	4
Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON	ENE	83.37	<u>4</u>
RIDEAU ANIMAL HOSPITAL	1 ANN ST. MANOTICK ON KOA 2NO	ENE	83.37	<u>4</u>
RIDEAU ANIMAL HOSPITAL 33- 274	1 ANN ST. MANOTICK ON KOA 2NO	ENE	83.37	<u>4</u>
Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9	ENE	83.37	4
Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9	ENE	83.37	<u>4</u>
RIDEAU ANIMAL HOSPITAL	1 ANN ST. MANOTICK ON K0A 2N0	ENE	83.37	<u>4</u>
RIDEAU ANIMAL (OUT OF BUS.)	1 ANN ST. MANOTICK ON KOA 2NO	ENE	83.37	<u>4</u>
Nepean-Rideau Veterinary Professional Corporation	P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9	ENE	83.37	<u>4</u>

City of Ottawa	5572 Dr. Leach Drive Ottawa ON K4M 1C8	SSE	178.42	<u>27</u>
City of Ottawa	5572 Dr Leach Dr Manotick ON K4M 1C8	SSE	178.42	<u>27</u>
City of Ottawa	5572 Dr. Leach Drive Ottawa ON K4M 1C8	SSE	178.42	<u>27</u>
City of Ottawa	5572 Dr Leach Dr Manotick ON K4M 1C8	SSE	178.42	<u>27</u>
City of Ottawa	5572 Dr. Leach Drive Ottawa ON K4M 1C8	SSE	178.42	<u>27</u>
Rideau Elevator Services Inc.	5572 DR LEACH DRIVE MANOTICK ON K4M 1C8	SSE	178.42	<u>27</u>
City of Ottawa	5572 Dr. Leach Drive Ottawa ON K4M 1C8	SSE	178.42	<u>27</u>
City of Ottawa	5572 Dr. Leach Drive Ottawa ON K4M 1C8	SSE	178.42	<u>27</u>
City of Ottawa	5572 Dr. Leach Drive Ottawa ON K4M 1C8	SSE	178.42	<u>27</u>

HINC - TSSA Historic Incidents

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

Lower Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
	1168 MAPLE STREET MANOTICK ON	NNE	117.75	<u>11</u>

INC - Fuel Oil Spills and Leaks

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

project property.

Lower Elevation	<u>Address</u>	Direction	Distance (m)	<u>Map Key</u>
	1160D Beaverwood Drive, Manotick	ESE	208.29	<u>35</u>

NCPL - Non-Compliance Reports

A search of the NCPL database, dated Dec 31, 2019 has found that there are 3 NCPL site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
City of Ottawa - Village Walk Sewage Treatment Plant	65 Village Walk Pvt Ottawa ON	ESE	225.34	<u>39</u>
City of Ottawa - Village Walk STP	65 Village Walk Pvt Ottawa ON	ESE	225.34	<u>39</u>
City of Ottawa - Village Walk STP	65 Village Walk Pvt Ottawa ON	ESE	225.34	<u>39</u>

PES - Pesticide Register

A search of the PES database, dated Oct 2011- Dec 31, 2021 has found that there are 13 PES site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	<u>Address</u>	Direction	Distance (m)	Map Key
GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED	1168 MAPLE ST, PO 534, STN MAIN MANOTICK ON K4M1A5	NNE	117.75	<u>11</u>
GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED	1168 MAPLE ST, PO 534, STN MAIN MANOTICK ON K4M1A5	NNE	117.75	<u>11</u>
GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED	1168 MAPLE ST, BOX 534 MANOTICK ON K4M1A5	NNE	117.75	<u>11</u>
GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED	1168 MAPLE ST, BOX 534 MANOTICK ON K4M 1A5	NNE	117.75	<u>11</u>

GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED	1168 MAPLE ST, BOX 534 MANOTICK ON K4M 1A5	NNE	117.75	<u>11</u>
PROVIGO DISTRIBUTION INC./ MANOTICK MEWS IND. GROCER	1160 JOHN STREET, BOX 517 MANOTICK ON K4M1A5	E	145.03	<u>17</u>
ROBINSON'S FOODMARKETS INC.	1160 JOHN STREET MANOTICK ON K4M 1A3	Е	145.03	<u>17</u>
MANOTICK HARDWARE LIMITED	1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M1A8	ESE	208.29	<u>35</u>
MANOTICK HARDWARE LIMITED	1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M 1A8	ESE	208.29	<u>35</u>
1799598 ONTARIO LIMITED O/A MANOTICK HOME HARDWARE	1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M1A8	ESE	208.29	<u>35</u>
1799598 ONTARIO LIMITED O/A MANOTICK HOME HARDWARE	1166 BEAVERWOOD RD, PO BOX 970 MANOTICK ON K4M1A8	ESE	208.29	<u>35</u>
2485368 ONTARIO INC O/A MANOTICK HOME HARDWARE	1166 BEAVERWOOD RD MANOTICK ON K4M1A8	ESE	208.29	<u>35</u>
2485368 ONTARIO INC.	1166 Beaverwood RD Manotick ON K4M 1A8	ESE	208.29	<u>35</u>

PINC - Pipeline Incidents

A search of the PINC database, dated May 31, 2021 has found that there are 3 PINC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	<u>Map Key</u>
PIPELINE HIT 1/2"	1196 BEAVERWOOD RD,,OTTAWA, ON,K4M 1C7,CA ON	WSW	196.20	<u>33</u>

Lower Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
SHAHRAM BAKHTIARI	5572 DOCTOR LEACH DR,,OTTAWA, ON,K4M 1C8,CA ON	SSE	178.42	<u>27</u>
	1166 EASTMAN AVENUE, MANOTICK ON	ESE	208.29	<u>35</u>

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 8 SCT site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
IMPLO-TEC RESEARCH CANADA INC.	1165 John St Manotick ON K4M 1A2	ENE	142.52	14
BARRHAVEN INDEPENDENT	1165 JOHN ST MANOTICK ON K4M	ENE	142.52	14
MANOTICK MESSENGER INC.	1165 JOHN ST MANOTICK ON K4M 1A5	ENE	142.52	<u>14</u>
Manotick Messenger Inc	1165 Beaverwood Rd Manotick ON K4M 1A5	ENE	142.52	<u>14</u>
Manotick Messenger Inc.	1165 Beaverwood Rd Manotick ON K4M 1A5	ENE	142.52	<u>14</u>
Manotick Printing Services	1165 Beaverwood Rd Manotick ON K4M 1A5	ENE	142.52	<u>14</u>
Barrhaven Independent	1165 Beaverwood Crs Manotick ON K4M 1A5	ENE	142.52	<u>14</u>
MANOTICK PRINTING SERVICES	1165 JOHN ST MANOTICK ON K4M 1A5	ENE	142.52	<u>14</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2020 has found that there are 3 SPL site(s) within approximately 0.25 kilometers of the project property.

SSE

178.42

27

36

Order No: 22020800656

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
Enbridge Gas Distribution Inc.	1196 Beaverwood Road Ottawa ON	WSW	196.20	<u>33</u>
Lower Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	<u>Map Key</u>

SERVICE STATION 5549 ANN ST., MANOTICK (N.O.S.) ENE 209.38 OSGOODE TOWNSHIP ON

5572 Doctor Leach Drive, Manotick

Ottawa ON K4M 1C8

WWIS - Water Well Information System

A search of the WWIS database, dated Sep 30, 2021 has found that there are 35 WWIS site(s) within approximately 0.25 kilometers of the project property.

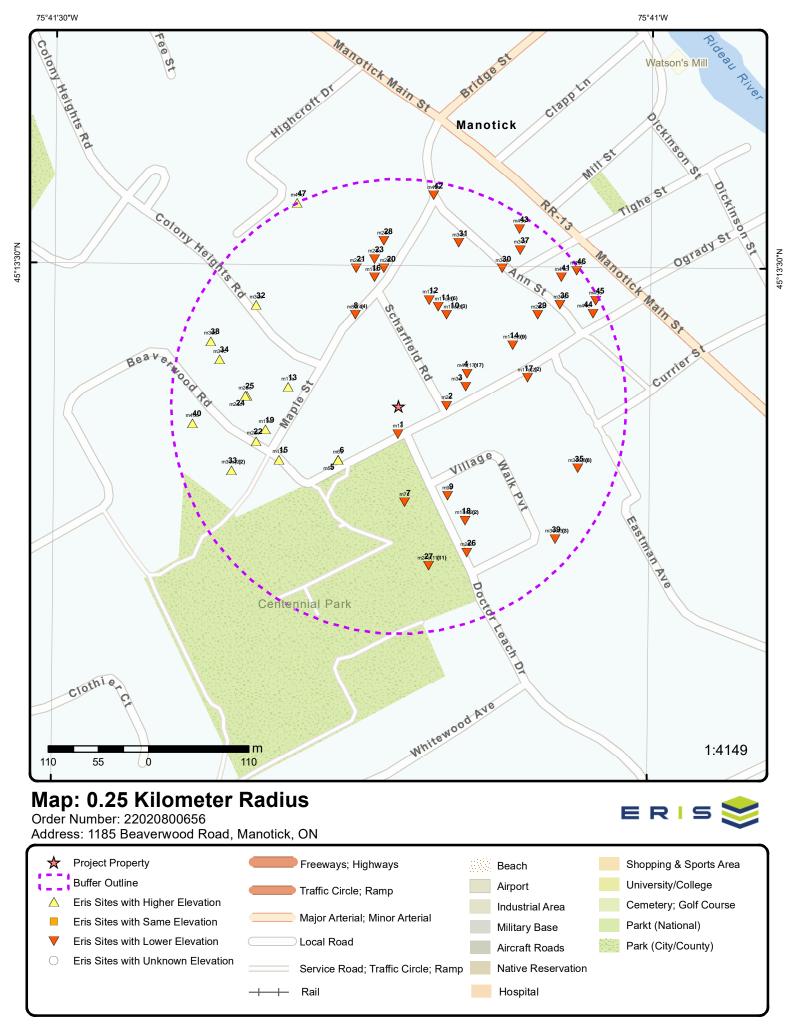
Equal/Higher Elevation	Address lot 7 con 1 ON	<u>Direction</u> WSW	<u>Distance (m)</u> 88.34	Map Key <u>5</u>
	Well ID: 1511389			
	lot 2 con A ON	W	123.25	<u>13</u>
	Well ID: 1511320			
	lot 2 con A ON	WSW	143.71	<u>15</u>
	Well ID: 1511819			
	lot 2 con A ON	W	148.51	<u>19</u>
	Well ID: 1511745			
	lot 2 con A ON	W	160.97	<u>22</u>
	Well ID: 1511375			

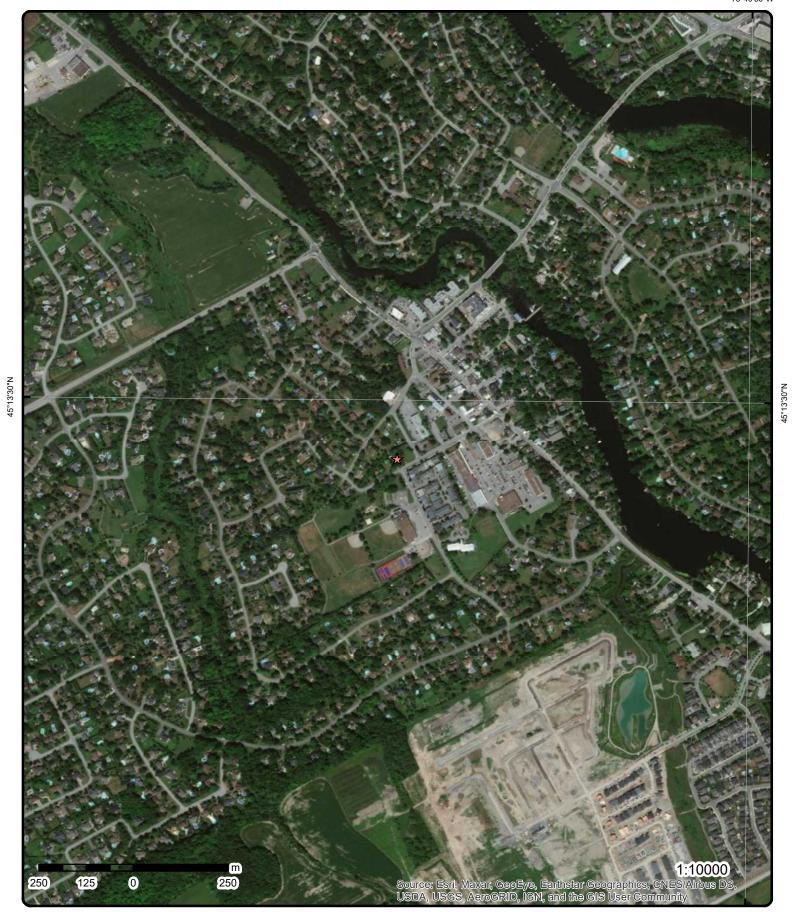
Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
	lot 2 con A ON	W	168.74	<u>25</u>
	Well ID: 1512263			
	lot 2 con A ON	WNW	192.12	<u>32</u>
	Well ID: 1510054			
	lot 2 con A ON	W	203.02	<u>34</u>
	Well ID: 1515411			
	lot 2 con A ON	WNW	218.43	<u>38</u>
	Well ID: 1511479			
	lot 2 con A ON	W	227.08	<u>40</u>
	Well ID: 1512038			
	lot 2 con A ON	NW	249.84	<u>47</u>
	Well ID: 1514236			
Lower Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
	lot 2 con A ON	Е	52.67	<u>2</u>
	Well ID: 1517732			
	lot 2 con A ON	ENE	76.78	<u>3</u>
	Well ID: 1516469			
	lot 2 con A ON	S	105.55	<u>7</u>
	Well ID: 1514029			
	lot 2 con A ON	NW	111.24	<u>8</u>
	Well ID: 1519106			
	lot 2 con A ON	NW	111.24	<u>8</u>
	Well ID: 1519109			

lot 2 con A ON	NW	111.24	<u>8</u>
Well ID: 1519314			
lot 2 con A ON	NW	111.24	<u>8</u>
Well ID: 1519491			
lot 2 con A ON	SE	112.03	<u>9</u>
Well ID: 1515427			
lot 2 con A ON	NE	113.60	<u>10</u>
Well ID: 1517078			
lot 2 con A ON	NE	113.60	<u>10</u>
Well ID: 1517735			
lot 2 con A ON	NE	113.60	<u>10</u>
Well ID: 1518928			
lot 2 con A ON	NNE	121.42	<u>12</u>
Well ID: 1510575			
lot 1 con A ON	NNW	144.09	<u>16</u>
Well ID: 1506590			
lot 2 con A ON	N	152.54	<u>20</u>
Well ID: 1510653			
lot 2 con A ON	NNW	158.58	<u>21</u>
Well ID: 1516267			
lot 2 con A ON	NNW	163.79	<u>23</u>
Well ID: 1506586			
ON	SE	176.96	<u>26</u>
Well ID: 7373237			
lot 2 con A ON	N	182.39	<u>28</u>

Well ID: 1509945

lot 2 con A ON	ENE	182.86	<u>29</u>
Well ID: 1517944			
lot 2 ON	NE	189.53	<u>30</u>
Well ID: 1506481			
lot 2 ON	NE	217.56	<u>37</u>
Well ID: 1510183			
lot 2 ON	ENE	228.01	<u>41</u>
Well ID: 1506448			
lot 1 ON	NNE	234.86	<u>42</u>
Well ID: 1506447			
lot 2 con A ON	ENE	236.62	<u>44</u>
Well ID: 1516364			



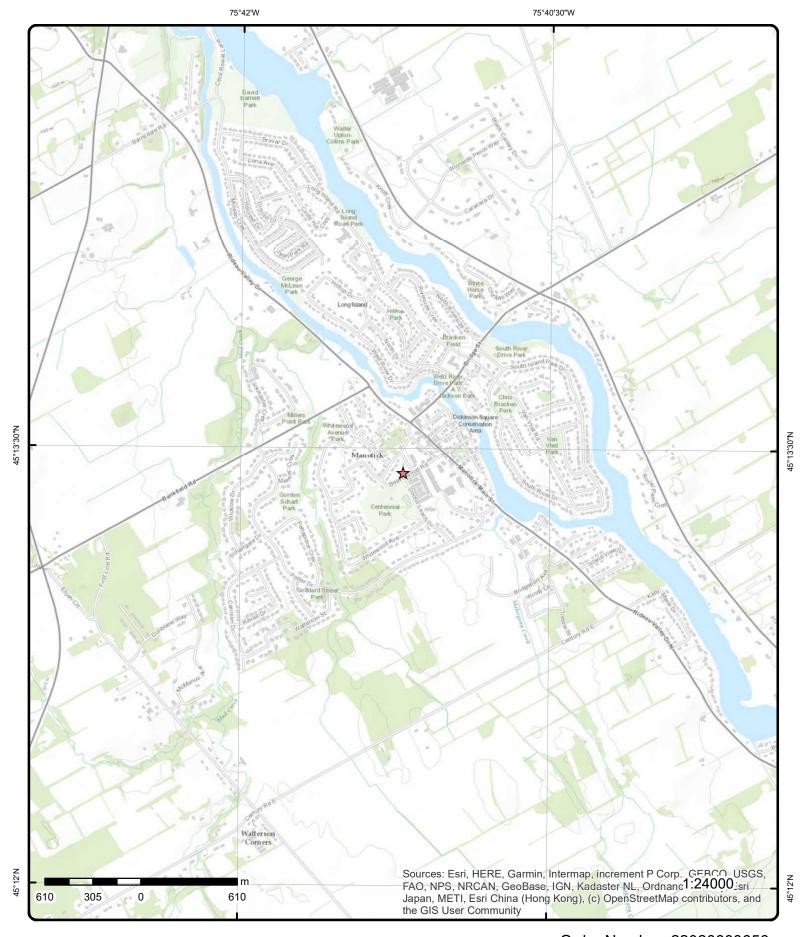


Aerial Year: 2020

Source: ESRI World Imagery

Address: 1185 Beaverwood Road, Manotick, ON





Topographic Map

Address: 1185 Beaverwood Road, ON

Source: ESRI World Topographic Map

Order Number: 22020800656



Detail Report

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
1	1 of 1	s	/30.6	92.1 / -1.43	TEAMCO HOLDINGS JOHN ST./DOCTOR I RIDEAU TWP. ON		CA
Certificate: Application Issue Date: Approval T Status: Application Client Nam Client Addr Client City: Client Post Project Des Contamina Emission C	n Year: Type: e: ress: al Code: scription: nts:	96 1/1	338-96- 3/1997 nicipal sewage				
<u>2</u>	1 of 1	E	7/52.7	89.8 / -3.69	lot 2 con A ON		wwis
Well ID: Construction Primary Wase. Water Final Well S Water Type Casing Mat Audit No: Tag: Construction Elevation (in Elevation R Depth to Be Well Depth: Overburder Pump Rate Static Wate Flowing (Y) Flow Rate: Clear/Cloud	ater Use: Use: Status: eterial: on Method: m): Reliability: edrock: : n/Bedrock: : rt Level: /N):	1517732 Domestic 0 Water Supply			Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 3/3/1982 TRUE 1558 1 OTTAWA NORTH GOWER TOWNSHIP 002 A CON	
PDF URL (I			os://d2khazk8e83	Brdv.cloudfront.ne	et/moe_mapping/downloads/	/2Water/Wells_pdfs/151\1517732.pdf	
Additional Well Comple	<u>Detail(s) (Ma</u> leted Date:		31/09/25				
Year Comp Depth (m):		198 41.					

Order No: 22020800656

45.2236179766615 -75.6861737091981

151\1517732.pdf

Latitude: Longitude:

Path:

Bore Hole Information

10039604 Bore Hole ID:

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

Cluster Kind:

Date Completed: 25-Sep-1981 00:00:00

Remarks: Elevrc Desc:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931036149

Layer: 6 Color: General Color: **BROWN** Mat1: 05 CLAY Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 15.0

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931036152

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

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

95.0 Formation Top Depth: 135.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

931036151 Formation ID: Layer: 3 Color: 2 General Color: **GREY** Mat1:

15 LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Elevation: Elevrc:

Zone: 18

446129.80 East83: North83: 5008021.00

Org CS:

UTMRC:

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

Location Method:

Mat3: Mat3 Desc:

25.0 Formation Top Depth: Formation End Depth: 95.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931036150 Layer: Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 15.0 25.0 Formation End Depth: Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961517732 5

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

10588174 Pipe ID:

Casing No: Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930069224

Layer: 1 Material:

STEEL Open Hole or Material:

Depth From:

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

Construction Record - Casing

930069225 Casing ID:

Layer: 2 Material:

Open Hole or Material: **OPEN HOLE**

Depth From:

Depth To: 135.0 6.0 Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991517732

Pump Set At:

Static Level: 20.0 Final Level After Pumping: 50.0 Recommended Pump Depth: 100.0 75.0 Pumping Rate: Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR Pumping Test Method: Pumping Duration HR:** 1 Pumping Duration MIN: 0 Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934102944

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 50.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934376564

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 50.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934895675

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 50.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934646400

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 50.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933474262

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 70.0

 Water Found Depth UOM:
 ft

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

Records Distance (m)

933474263 Water ID: Layer: 2 Kind Code: **FRESH** Kind: Water Found Depth: 134.0 Water Found Depth UOM: ft

Water Details

3 1 of 1 ENE/76.8 89.2 / -4.34 lot 2 con A **WWIS** ON

Well ID: 1516469 Data Entry Status:

Construction Date: Data Src:

6/8/1978 Commerical Primary Water Use: Date Received: Sec. Water Use: Selected Flag: TRUE Final Well Status: Water Supply Abandonment Rec:

Contractor: 1365 Water Type: Casing Material: Form Version: 1

Audit No: Owner: Street Name: Tag:

Construction Method: County: **OTTAWA**

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

002 Depth to Bedrock: Lot: Well Depth: Concession:

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

Static Water Level: Northing NAD83: Flowing (Y/N): Zone: Flow Rate: UTM Reliability: Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1516469.pdf PDF URL (Map):

Additional Detail(s) (Map)

1978/02/20 Well Completed Date: Year Completed: 1978 Depth (m): 37.4904

45.2238086027997 Latitude: Longitude: -75.6859085132123 151\1516469.pdf Path:

Bore Hole Information

10038385 Bore Hole ID: Elevation: DP2BR: Elevrc:

18 Spatial Status: Zone: Code OB: East83: 446150.80 Code OB Desc: North83: 5008042.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: **UTMRC Desc:** 20-Feb-1978 00:00:00 margin of error: 30 m - 100 m

Order No: 22020800656

Remarks: Location Method:

Elevrc Desc:

Location Source Date: Improvement Location Source: Improvement Location Method:

Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931032228

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 14.0 Formation End Depth: 91.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931032227

Layer: 1 Color: 6 General Color: **BROWN** Mat1: 28 SAND Most Common Material: Mat2: 05 Mat2 Desc: CLAY Mat3: 79 Mat3 Desc: **PACKED** Formation Top Depth: 0.0 Formation End Depth: 14.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931032229

 Layer:
 3

 Color:
 1

 General Color:
 WHITE

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 91.0 Formation End Depth: 123.0

Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961516469

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10586955

Casing No: Comment:

Alt Name:

Construction Record - Casing

 Casing ID:
 930067461

 Layer:
 2

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 123.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930067460

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

Depth From:

Depth To:22.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991516469

Pump Set At:

Static Level: 8.0 Final Level After Pumping: 118.0 Recommended Pump Depth: 118.0 Pumping Rate: 35.0 Flowing Rate: Recommended Pump Rate: 35.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: **Pumping Duration HR:** 2 Pumping Duration MIN: 0 Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934101954

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 118.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934899410

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 118.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934380417

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 118.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934641925

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 118.0

 Test Level UOM:
 ft

Water Details

Water ID: 933472781

Layer: 2 Kind Code: 5

Kind: Not stated
Water Found Depth: 122.0
Water Found Depth UOM: ft

Water Details

 Water ID:
 933472780

 Layer:
 1

 Kind Code:
 5

Kind: Not stated
Water Found Depth: 46.0
Water Found Depth UOM: ft

4 1 of 17 ENE/83.4 88.7 / -4.83 RIDEAU ANIMAL HOSPITAL

1 ANN ST. MANOTICK ON KOA 2NO **GEN**

Order No: 22020800656

WANDITCK ON KUA ZI

Generator No: ON0731100 SIC Code: 0211

SIC Description: VETERINARY SERVICE

Approval Years: 86,87

PO Box No: Country:

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

ON0731100

4 2 of 17 ENE/83.4 88.7 / -4.83 RIDEAU ANIMAL HOSPITAL 1 ANN ST.

Status:

Co Admin:

Status: Co Admin:

Choice of Contact:

Phone No Admin:

Contam. Facility:

MHSW Facility:

MANOTICK ON KOA 2NO

SIC Code: 0211

SIC Description: VETERINARY SERVICE Choice of Contact:

Approval Years: 88 89 90 Phone No Admin:

Approval Years:88,89,90Phone No Admin:PO Box No:Contam. Facility:

Generator No:

Detail(s)

Number of Direction/ Elev/Diff Site DΒ Map Key

Distance (m) MHSW Facility: Country:

(m)

Detail(s)

Waste Class: 264

Records

Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class:

Waste Class Desc: PATHOLOGICAL WASTES

3 of 17 ENE/83.4 88.7/-4.83 RIDEAU ANIMAL HOSPITAL 33-274 **GEN** 1 ANN ST.

Status:

Co Admin:

Choice of Contact: Phone No Admin:

MANOTICK ON KOA 2NO

Generator No: ON0731100 SIC Code: 0211

VETERINARY SERVICE SIC Description:

Approval Years: 92,93,94,95,96

PO Box No:

Contam. Facility: MHSW Facility: Country:

Detail(s)

Waste Class: 264

Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class:

Waste Class Desc: PATHOLOGICAL WASTES

4 of 17 ENE/83.4 88.7 / -4.83 RIDEAU ANIMAL (OUT OF BUS.) **GEN** 1 ANN ST.

MANOTICK ON KOA 2NO

Generator No: ON0731100 Status:

SIC Code: 0211 Co Admin: Choice of Contact:

SIC Description: **VETERINARY SERVICE**

Approval Years: 97,98

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

Detail(s)

Waste Class: 264

Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class:

Waste Class Desc: PATHOLOGICAL WASTES

88.7 / -4.83 5 of 17 ENE/83.4 Rideaugreen Veterinary Management Inc. 4 **GEN**

Status:

Co Admin:

Order No: 22020800656

P.O. BOX 1070 5547 SCHARFIELD ROAD

MANOTICK ON K4M 1A9

ON0731101 Generator No:

SIC Code: SIC Description:

Choice of Contact: Approval Years: 02,03,04 Phone No Admin:

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

Detail(s)

Map Key Number of Direction/ Elev/Diff Site DΒ Records Distance (m) (m) Waste Class: 264 PHOTOPROCESSING WASTES Waste Class Desc: Waste Class: Waste Class Desc: PATHOLOGICAL WASTES 6 of 17 ENE/83.4 88.7 / -4.83 Nepean-Rideau Veterinary Professional **GEN** Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD **MANOTICK ON** Generator No: ON0731101 Status: SIC Code: 541940 Co Admin: SIC Description: **Veterinary Services** Choice of Contact: Approval Years: 06,07,08 Phone No Admin: PO Box No: Contam. Facility: Country: MHSW Facility: Detail(s) Waste Class: **PHARMACEUTICALS** Waste Class Desc: Waste Class: 264 Waste Class Desc: PHOTOPROCESSING WASTES Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES 4 7 of 17 ENE/83.4 88.7/-4.83 Nepean-Rideau Veterinary Professional **GEN** Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD **MANOTICK ON** ON0731101 Generator No: Status: 541940 SIC Code: Co Admin: SIC Description: Choice of Contact: Veterinary Services Approval Years: 2009 Phone No Admin: PO Box No: Contam. Facility: MHSW Facility: Country: Detail(s) Waste Class: 261 Waste Class Desc: **PHARMACEUTICALS** Waste Class: 264 Waste Class Desc: PHOTOPROCESSING WASTES Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES 4 8 of 17 ENE/83.4 88.7 / -4.83 Nepean-Rideau Veterinary Professional **GEN** Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD

Generator No: ON0731101 **SIC Code:** 541940

Approval Years: 2010

Status: Co Admin: Choice of Contact: Phone No Admin:

Order No: 22020800656

MANOTICK ON

Veterinary Services

SIC Description:

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

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

Detail(s)

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 264

Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class:

Waste Class Desc: **PHARMACEUTICALS**

9 of 17 ENE/83.4 88.7 / -4.83 Nepean-Rideau Veterinary Professional 4 GEN

Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD

GEN

Order No: 22020800656

MANOTICK ON

ON0731101 Generator No: SIC Code: 541940

SIC Description: Veterinary Services

Approval Years:

PO Box No:

2011

Country:

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

Detail(s)

Waste Class:

PHARMACEUTICALS Waste Class Desc:

Waste Class: 312

PATHOLOGICAL WASTES Waste Class Desc:

Waste Class: 264

Waste Class Desc: PHOTOPROCESSING WASTES

Nepean-Rideau Veterinary Professional 10 of 17 ENE/83.4 4

Status:

Co Admin:

Choice of Contact:

Phone No Admin:

Contam. Facility: MHSW Facility:

88.7 / -4.83 Corporation

P.O. BOX 1070 5547 SCHARFIELD ROAD

MANOTICK ON K4M 1A9

ON0731101 Generator No: SIC Code: 541940

SIC Description: **Veterinary Services**

Approval Years: 2012

PO Box No:

Detail(s)

Country:

Waste Class:

Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class:

PATHOLOGICAL WASTES Waste Class Desc:

Waste Class:

Waste Class Desc: **PHARMACEUTICALS**

Map Key	Number Record		Elev/Diff m) (m)	Site		Di
4	11 of 17	ENE/83.4	88.7/-4.83	Nepean-Rideau Vete Corporation P.O. BOX 1070 5547 MANOTICK ON	erinary Professional SCHARFIELD ROAD	GEN
Generator N SIC Code: SIC Descrip Approval Ye PO Box No: Country:	tion: ears:	ON0731101 541940 VETERINARY SERVICES 2013	S	Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:		
Detail(s)						
Waste Class Waste Class		264 PHOTOPROCE	ESSING WASTES			
Waste Class Waste Class		261 PHARMACEUT	TICALS			
Waste Class Waste Class		312 PATHOLOGICA	AL WASTES			
<u>4</u>	12 of 17	ENE/83.4	88.7 / -4.83	Nepean-Rideau Vete Corporation P.O. BOX 1070 5547 MANOTICK ON K4M	SCHARFIELD ROAD	GEN
Generator N SIC Code: SIC Descrip Approval Ye PO Box No: Country:	tion: ears:	ON0731101 541940 VETERINARY SERVICES 2016 Canada	S	Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	Miki Shibata CO_ADMIN 613-692-2434 Ext. No No	
Detail(s)						
Waste Class Waste Class		264 PHOTOPROCE	ESSING WASTES			
Waste Class Waste Class		312 PATHOLOGIC	AL WASTES			
Waste Class Waste Class		261 PHARMACEUT	TICALS			
<u>4</u>	13 of 17	ENE/83.4	88.7 / -4.83	Nepean-Rideau Veterinary Professional Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD MANOTICK ON K4M 1A9		GEN
Generator N SIC Code: SIC Descrip Approval Ye PO Box No: Country:	tion: ears:	ON0731101 541940 VETERINARY SERVICES 2015 Canada	S	Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	Miki Shibata CO_ADMIN 613-692-2434 Ext. No No	

Order No: 22020800656

Detail(s)

Waste Class:

312 PATHOLOGICAL WASTES Waste Class Desc:

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) (m) Waste Class: 264 PHOTOPROCESSING WASTES Waste Class Desc: Waste Class: Waste Class Desc: **PHARMACEUTICALS** 14 of 17 ENE/83.4 88.7 / -4.83 Nepean-Rideau Veterinary Professional **GEN** Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD **MANOTICK ON K4M 1A9** Generator No: ON0731101 Status: SIC Code: 541940 Co Admin: Miki Shibata **VETERINARY SERVICES** SIC Description: Choice of Contact: CO_ADMIN 613-692-2434 Ext. Approval Years: 2014 Phone No Admin: PO Box No: Contam. Facility: No Country: Canada MHSW Facility: Nο Detail(s) Waste Class: **PHARMACEUTICALS** Waste Class Desc: Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES Waste Class: 264 Waste Class Desc: PHOTOPROCESSING WASTES 4 15 of 17 ENE/83.4 88.7 / -4.83 Nepean-Rideau Veterinary Professional **GEN** Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD **MANOTICK ON K4M 1A9** ON0731101 Generator No: Status: Registered SIC Code: Co Admin: SIC Description: Choice of Contact: Approval Years: As of Dec 2018 Phone No Admin: PO Box No: Contam. Facility: MHSW Facility: Country: Canada Detail(s) Waste Class: 261 A Waste Class Desc: Pharmaceuticals Waste Class: 312 P Pathological wastes Waste Class Desc: 16 of 17 ENE/83.4 88.7 / -4.83 Nepean-Rideau Veterinary Professional 4 **GEN** Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD **MANOTICK ON K4M 1A9**

ON0731101

Generator No: SIC Code: SIC Description:

Approval Years: As of Jul 2020 PO Box No:

Country: Canada Status: Registered

Order No: 22020800656

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

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

Records

Distance (m)

Waste Class: 261 A

Waste Class Desc: **Pharmaceuticals**

Waste Class: 312 P

Waste Class Desc: Pathological wastes

4 17 of 17 ENE/83.4 88.7/-4.83 Nepean-Rideau Veterinary Professional **GEN**

Co Admin:

Choice of Contact:

Phone No Admin:

Contam. Facility:

MHSW Facility:

Corporation P.O. BOX 1070 5547 SCHARFIELD ROAD

MANOTICK ON K4M 1A9

OTTAWA

Order No: 22020800656

ON0731101 Registered Generator No: Status:

SIC Code:

SIC Description:

Approval Years: As of Nov 2021

PO Box No:

Canada Country:

Detail(s)

Detail(s)

Waste Class: 312 P

Waste Class Desc: Pathological wastes

Waste Class: 261 A

Waste Class Desc: Pharmaceuticals

5 1 of 1 WSW/88.3 94.4 / 0.88 lot 7 con 1 **WWIS** ON

Well ID: 1511389 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 9/10/1971

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

Water Type: Contractor: 1558 Casing Material: Form Version: 1

Audit No: Owner: Tag: Street Name: **Construction Method:** County:

Elevation (m): Municipality: NORTH GOWER TOWNSHIP Elevation Reliability: Site Info: Depth to Bedrock: Lot: 007

Well Depth: Concession: 01 Overburden/Bedrock: Concession Name: CON

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

UTM Reliability: Flow Rate:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511389.pdf

Additional Detail(s) (Map)

Clear/Cloudy:

Well Completed Date: 1971/08/19 Year Completed: 1971 45.72 Depth (m):

45.2230778058249 Latitude: -75.6876829640221 Longitude: Path: 151\1511389.pdf

DB Map Key Number of Direction/ Elev/Diff Site

Records

Distance (m)

(m)

Bore Hole Information

Bore Hole ID: 10033385

DP2BR: Spatial Status: Code OB: Code OB Desc:

Open Hole: Cluster Kind:

19-Aug-1971 00:00:00 Date Completed:

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931017578

Layer: Color: **BROWN** General Color:

Mat1: 14 **HARDPAN** Most Common Material: Mat2: 13 Mat2 Desc: **BOULDERS**

Mat3:

Mat3 Desc:

0.0 Formation Top Depth: 34.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931017579 Layer: Color: 2 General Color: **GREY** Mat1: 15

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

34.0 Formation Top Depth: Formation End Depth: 117.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

931017580 Formation ID: Layer: 3 Color: 2 General Color: **GREY** Mat1:

SANDSTONE Most Common Material:

Elevation: Elevrc:

18 Zone:

East83: 446010.80 5007962.00 North83:

Org CS: UTMRC:

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

Order No: 22020800656

Location Method:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 117.0
Formation End Depth: 150.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961511389

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

 Pipe ID:
 10581955

 Casing No:
 1

Comment:
Alt Name:

Construction Record - Casing

 Casing ID:
 930059274

 Laver:
 2

Layer: Salarial:

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 150.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930059273

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

Depth From:

Depth To:36.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991511389

Pump Set At:

Static Level: 30.0 Final Level After Pumping: 75.0 Recommended Pump Depth: 80.0 Pumping Rate: 8.0 Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: 1 Water State After Test: **CLEAR** Pumping Test Method:

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

Draw Down & Recovery

 Pump Test Detail ID:
 934382317

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 75.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934643896

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 75.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934900261

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 75.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934097080

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 75.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933466525

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 78.0

 Water Found Depth UOM:
 ft

Water Details

 Water ID:
 933466526

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 149.0

 Water Found Depth UOM:
 ft

6 1 of 1 WSW/88.4 94.4 / 0.88
ON
BORE

Order No: 22020800656

Borehole ID: 611792 Inclin FLG: No

OGF ID: 215513105 SP Status: Initial Entry

Status: Surv Elev: No

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

Piezometer: Type: Borehole No

Primary Name: Use: Municipality: Completion Date: AUG-1971

Static Water Level: Lot: Primary Water Use: Township: Sec. Water Use: Latitude DD:

45.223077 Total Depth m: 45.7 Longitude DD: -75.687683 **Ground Surface** UTM Zone: Depth Ref: 18 Depth Elev: Easting: 446011

Drill Method: Northing: 5007962 96.9

Orig Ground Elev m: Location Accuracy: Elev Reliabil Note: Accuracy: Not Applicable DEM Ground Elev m: 96.1

Concession: Location D: Survey D: Comments:

Borehole Geology Stratum

Geology Stratum ID: 218389218 Mat Consistency: Top Depth: 10.4 Material Moisture: **Bottom Depth:** 35.7 Material Texture: Material Color: Grey Non Geo Mat Type: Material 1: Limestone Geologic Formation: Geologic Group: Material 2:

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

Gsc Material Description:

Stratum Description: LIMESTONE. GREY.

Geology Stratum ID: 218389217 Mat Consistency: Hard

Top Depth: 0 Material Moisture: 10.4 **Bottom Depth:** Material Texture: Material Color: Non Geo Mat Type: Brown Geologic Formation: Material 1:

Material 2: **Boulders** Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

HARDPAN, BOULDERS. BROWN. Stratum Description:

Geology Stratum ID: 218389219 Mat Consistency: Material Moisture: Top Depth: 35.7 Bottom Depth: Material Texture: 45.7 Material Color: Grey Non Geo Mat Type: Material 1: Sandstone Geologic Formation: Geologic Group:

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

Gsc Material Description:

SANDSTONE, GREY, 00149, L. GREY, 00075TY = 18000, BEDROCK, SEISMIC VELOCITY **Note: Many Stratum Description:

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

Order No: 22020800656

Source

Source Type: Data Survey Source Appl: Spatial/Tabular

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

Verticalda: Observatio: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)

File: OTTAWA1.txt RecordID: 04300 NTS_Sheet: Source Details: Confiden 1:

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Source List

Source Identifier: 1 Horizontal Datum: NAD27

Source Type:Data SurveyVertical Datum:Mean Average Sea LevelSource Date:1956-1972Projection Name:Universal Transverse Mercator

Scale or Resolution: Varies

Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

7 1 of 1 S/105.5 91.2 / -2.33 lot 2 con A WWIS

Well ID: Data Entry Status:

Construction Date: Data Src:

Primary Water Use:DomesticDate Received:5/27/1974Sec. Water Use:0Selected Flag:TRUE

Final Well Status: Water Supply Abandonment Rec:
Water Type: Contractor: 36

Water Type:Contractor:3658Casing Material:Form Version:1Audit No:Owner:

Tag: Street Name:

 Construction Method:
 County:
 OTTAWA

 Elevation (m):
 Municipality:
 NORTH GOWER TOWNSHIP

Elevation Reliability:

Depth to Bedrock:

Lot:

002

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:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514029.pdf

Additional Detail(s) (Map)

Clear/Cloudy:

 Well Completed Date:
 1974/03/08

 Year Completed:
 1974

 Depth (m):
 38.1

 Latitude:
 45.2226603569139

 Longitude:
 -75.6867481062092

 Path:
 151\1514029.pdf

Bore Hole Information

Bore Hole ID: 10036011 Elevation:
DP2BR: Elevro:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 446083.80

 Code OB Desc:
 North83:
 5007915.00

Open Hole: Org CS:

Cluster Kind: UTMRC:

 Date Completed:
 08-Mar-1974 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: 931025134

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 3.0 Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931025135

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

 Mat2:
 15

Mat2 Desc: LIMESTONE

Mat3: Mat3 Desc:

Formation Top Depth: 3.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931025136

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 8.0
Formation End Depth: 88.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931025137

 Layer:
 4

Color: 1
General Color: WHITE
Mat1: 18

Most Common Material: SANDSTONE

Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 88.0
Formation End Depth: 125.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961514029

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10584581

Casing No:

Comment: Alt Name:

Construction Record - Casing

 Casing ID:
 930063617

 Layer:
 2

Material: 4
Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 125.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930063616

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To:22.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991514029

Pump Set At:

Static Level: 8.0 75.0 Final Level After Pumping: Recommended Pump Depth: 75.0 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:

Order No: 22020800656

2

Pumping Duration HR:

Pumping Duration MIN:

Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934381284

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 75.0

 Test Level UOM:
 ft

0

ft

Draw Down & Recovery

 Pump Test Detail ID:
 934099792

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 75.0

Draw Down & Recovery

Test Level UOM:

 Pump Test Detail ID:
 934899747

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 75.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934641859

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 75.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933469805

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 85.0

 Water Found Depth UOM:
 ft

Water Details

51

 Water ID:
 933469806

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 122.0

 Water Found Depth UOM:
 ft

8 1 of 4 NW/111.2 92.9 / -0.64 lot 2 con A ON WWIS

Well ID: 1519106 Data Entry Status:

 Construction Date:
 Data Src:
 1

 Primary Water Use:
 Domestic
 Date Received:
 8/7/1984

 Sec. Water Use:
 0
 Selected Flag:
 TRUE

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

Final Well Status: Water Supply

Abandonment Rec: Water Type: Contractor: 1558 Casing Material: Form Version: 1 Audit No:

Owner: Tag: Street Name:

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

Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 002 Well Depth: Concession: Overburden/Bedrock: CON Concession Name:

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

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

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519106.pdf

Additional Detail(s) (Map)

Well Completed Date: 1984/06/11 Year Completed: 1984 30.48 Depth (m):

Latitude: 45.2245104095878 Longitude: -75.687458219684 151\1519106.pdf Path:

Bore Hole Information

Bore Hole ID: 10040976 Elevation: Elevrc: DP2BR:

Spatial Status: Zone: 18 446029.80 Code OB: East83: Code OB Desc: North83: 5008121.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 11-Jun-1984 00:00:00 **UTMRC Desc:** margin of error: 30 m - 100 m

Order No: 22020800656

Remarks: Location Method: Elevrc Desc:

Location Source Date: Improvement Location Source:

Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

931040618 Formation ID:

Layer: Color: 6 General Color: **BROWN** Mat1: 05 Most Common Material: **CLAY** Mat2: 13

BOULDERS Mat2 Desc: Mat3: Mat3 Desc: **PACKED** Formation Top Depth: 9.0 Formation End Depth: 16.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931040617

Layer: 1 Color: 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 79

 Mat2 Desc:
 PACKED

Mat3:

Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 9.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931040619

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

Mat2 Desc: BOULDERS

Mat3:11Mat3 Desc:GRAVELFormation Top Depth:16.0Formation End Depth:19.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 931040620

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: 78

Mat2 Desc: MEDIUM-GRAINED

Mat3: Mat3 Desc:

Mats Desc:

Formation Top Depth: 19.0 Formation End Depth: 100.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961519106Method Construction Code:5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10589546

Casing No:

Comment: Alt Name:

Construction Record - Casing

 Casing ID:
 930071541

 Layer:
 2

Material: 4
Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 100.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930071540

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

Depth From:

Depth To: 22.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519106

Pump Set At:

Static Level: 25.0 Final Level After Pumping: 60.0 Recommended Pump Depth: 80.0 Pumping Rate: 10.0 Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: CLEAR Pumping Test Method: **Pumping Duration HR:** 0 Pumping Duration MIN: 30 Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934106926

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 60.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934381667

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 60.0

 Test Level UOM:
 ft

Water Details

Water ID: 933475996

Layer: Kind Code: **FRESH** Kind: 97.0 Water Found Depth: Water Found Depth UOM: ft

Water Details

Water ID: 933475995

Layer: Kind Code:

FRESH Kind: Water Found Depth: 91.0 Water Found Depth UOM: ft

NW/111.2 2 of 4 92.9 / -0.64 lot 2 con A 8 **WWIS**

OTTAWA

Order No: 22020800656

Well ID: 1519109 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 8/7/1984 Sec. Water Use: TRUE Selected Flag: 0

Final Well Status: Water Supply Abandonment Rec: Water Type: Contractor: 1558

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

Street Name: Tag: **Construction Method:** County:

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

Depth to Bedrock: Lot: 002 Well Depth: Concession: Α

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

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

Flow Rate: Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519109.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1984/07/20 Year Completed: 1984 Depth (m): 15.24

45.2245104095878 Latitude: -75.687458219684 Longitude: Path: 151\1519109.pdf

Bore Hole Information

Bore Hole ID: 10040979 Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

18 Code OB: East83: 446029.80 Code OB Desc: North83: 5008121.00

Open Hole: Org CS:

UTMRC:

UTMRC Desc:

Location Method:

margin of error: 30 m - 100 m

Order No: 22020800656

p4

Cluster Kind: Date Completed:

20-Jul-1984 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931040630

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

Most Common Material: LIMESTONE

Mat2: 78

MEDIUM-GRAINED Mat2 Desc:

Mat3: Mat3 Desc:

Formation Top Depth: 24.0 Formation End Depth: 50.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931040629

Layer: 2 2 Color: General Color: **GREY** Mat1: 14

HARDPAN Most Common Material: Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 13

Mat3 Desc: **BOULDERS** Formation Top Depth: 10.0 Formation End Depth: 24.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931040628

Layer: 6 Color: **BROWN** General Color: 05 Mat1: Most Common Material: CLAY Mat2: 79 **PACKED** Mat2 Desc:

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 10.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961519109

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10589549

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930071547

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 509.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930071546

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

Depth From:

Depth To:32.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991519109

Pump Set At:

Static Level: 8.0

Final Level After Pumping: 30.0

Recommended Pump Depth: 40.0

Pumping Rate: 10.0

Flowing Rate: 5.0

Levels UOM: ft

Rate UOM: GPM

Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1

Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID:934901173Test Type:Draw Down

Test Duration: 60

Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 934381670

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 30.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934651644

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 30.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934106929

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 30.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933476000

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 46.0

 Water Found Depth UOM:
 ft

Water Details

 Water ID:
 933475999

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 35.0

 Water Found Depth UOM:
 ft

8 3 of 4 NW/111.2 92.9 / -0.64 lot 2 con A WWIS

Order No: 22020800656

 Well ID:
 1519314
 Data Entry Status:

 Construction Date:
 Data Src:
 1

 Primary Water Use:
 Domestic
 Date Received:
 10/2

Primary Water Use:DomesticDate Received:10/25/1984Sec. Water Use:0Selected Flag:TRUEFinal Well Status:Water SupplyAbandonment Rec:

Water Type: Contractor: 3644
Casing Material: Form Version: 1
Audit No: Owner:
Tag: Street Name:

Construction Method: County: OTTAWA

 Elevation (m):
 Municipality:
 NORTH GOWER TOWNSHIP

 Elevation Reliability:
 Site Info:

Depth to Bedrock: Lot: 002

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/151\1519314.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1984/09/28

 Year Completed:
 1984

 Depth (m):
 13.4112

 Latitude:
 45.2245104095878

 Longitude:
 -75.687458219684

 Path:
 151\1519314.pdf

Bore Hole Information

 Bore Hole ID:
 10041184
 Elevation:

 DP2BR:
 Elevrc:

Spatial Status: Zone: 18

 Code OB:
 East83:
 446029.80

 Code OB Desc:
 North83:
 5008121.00

 Open Hole:
 Org CS:

Cluster Kind: UTMRC:

 Date Completed:
 28-Sep-1984 00:00:00
 UTMRC Desc:
 margin of error : 30 m - 100 m

Order No: 22020800656

Remarks: Location Method: Elevrc Desc:

Location Source Date: Improvement Location Source: Improvement Location Method:

Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931041285

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 14

 Most Common Material:
 HARDPAN

 Mat2:
 12

Mat2: 12
Mat2 Desc: STONES

Mat3: Mat3 Desc:

Formation Top Depth: 18.0 Formation End Depth: 29.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931041286

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

29.0 Formation Top Depth: Formation End Depth: 44.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931041284

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

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 18.0 Formation End Depth: Formation End Depth UOM:

Method of Construction & Well

Use

Method Construction ID: 961519314

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10589754

Casing No:

Comment: Alt Name:

Construction Record - Casing

930071910 Casing ID:

Layer: 2

Material:

Open Hole or Material:

OPEN HOLE

Depth From:

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

Construction Record - Casing

Casing ID: 930071909

Layer: Material: STEEL Open Hole or Material:

Depth From:

Depth To: 31.0 Casing Diameter: 6.0

Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519314

Pump Set At:
Static Level: 15.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 30.0
Pumping Rate: 50.0

Flowing Rate:

Recommended Pump Rate: 10.0 Levels UOM: ft Rate UOM: GPM Water State After Test Code: 2

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

Draw Down & Recovery

 Pump Test Detail ID:
 934652124

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 30.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934382708

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 30.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934107972

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 30.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934901792

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 30.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933476260

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 39.0

Water Found Depth UOM:

4 of 4 NW/111.2 92.9 / -0.64 lot 2 con A 8 **WWIS** ON

Well ID: 1519491 Data Entry Status:

ft

Construction Date: Data Src:

2/7/1985 Domestic Primary Water Use: Date Received: Sec. Water Use: Selected Flag: **TRUE**

Final Well Status: Water Supply Abandonment Rec: Water Type: Contractor: 3644 1

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

Construction Method: **OTTAWA** County:

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

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

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

Zone: Flowing (Y/N):

Flow Rate: UTM Reliability:

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519491.pdf

Additional Detail(s) (Map)

Well Completed Date: 1984/11/08 Year Completed: 1984 Depth (m): 50.292

45.2245104095878 Latitude:

Longitude: -75.687458219684 151\1519491.pdf Path:

Bore Hole Information

Bore Hole ID: 10041361 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 446029.80 Code OB: East83: Code OB Desc: North83: 5008121.00 Open Hole: Org CS:

Cluster Kind: UTMRC:

08-Nov-1984 00:00:00 UTMRC Desc: margin of error: 30 m - 100 m Date Completed: Remarks: Location Method:

Order No: 22020800656

Elevrc Desc: Location Source Date:

Improvement Location Source: Improvement Location Method:

Source Revision Comment:

Supplier Comment:

Overburden and Bedrock **Materials Interval**

Formation ID: 931041846

Layer: 2 Color: General Color: **GREY**

Mat1: 14

Most Common Material:HARDPANMat2:05Mat2 Desc:CLAY

Mat3: Mat3 Desc:

Formation Top Depth: 18.0 Formation End Depth: 37.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931041847

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 37.0 Formation End Depth: 140.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931041848

 Layer:
 4

 Color:
 1

 General Color:
 WHITE

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 140.0 Formation End Depth: 165.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931041845

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 18.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961519491

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10589931

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930072217

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

Depth From:

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

Construction Record - Casing

Casing ID: 930072218

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 165.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519491

Pump Set At:

Static Level: 10.0 80.0 Final Level After Pumping: Recommended Pump Depth: 80.0 Pumping Rate: 15.0 Flowing Rate: Recommended Pump Rate: 10.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 2 CLOUDY Water State After Test: Pumping Test Method: **Pumping Duration HR:** Pumping Duration MIN: 0

Draw Down & Recovery

Pump Test Detail ID:934653277Test Type:Draw DownTest Duration:45

No

Flowing:

80.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934109124 Test Type: Draw Down Test Duration: 15 Test Level: 80.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934383298 Test Type: Draw Down Test Duration: 30 80.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934894039 Pump Test Detail ID: Test Type: Draw Down Test Duration: 60 Test Level: 80.0 Test Level UOM: ft

Water Details

Water ID: 933476495 Layer: 1 Kind Code: Kind: **FRESH** Water Found Depth: 145.0 Water Found Depth UOM: ft

Water Details

Water ID: 933476496 Layer: 2 Kind Code: **FRESH** Kind: Water Found Depth: 160.0 Water Found Depth UOM: ft

9 1 of 1 SE/112.0 89.8 / -3.73 lot 2 con A **WWIS** ON

Site Info:

Order No: 22020800656

Well ID: 1515427 Data Entry Status: **Construction Date:** Data Src: 7/8/1976 Date Received: Primary Water Use: Domestic Selected Flag: TRUE Sec. Water Use: Final Well Status: Water Supply Abandonment Rec:

Water Type: Contractor: 3644 Casing Material: Form Version: Audit No: Owner: Street Name: Tag:

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

Elevation Reliability: 002 Depth to Bedrock: Lot:

Well Depth: Concession: A

Overburden/Bedrock: Concession Name: CON

Dump Rete: NAD83:

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

Flow Rate: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1515427.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1976/02/09

 Year Completed:
 1976

 Depth (m):
 16.4592

 Latitude:
 45.222726961382

 Longitude:
 -75.6861502530177

 Path:
 151\1515427.pdf

Bore Hole Information

 Bore Hole ID:
 10037374
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 446130.80

 Code OB Desc:
 North83:
 5007922.00

Open Hole: Org CS:

 Cluster Kind:
 UTMRC:
 5

 Date Completed:
 09-Feb-1976 00:00:00
 UTMRC Desc:
 margin of error : 100 m - 300 m

Location Method:

Order No: 22020800656

Remarks:
Elevro Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931029154

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 4.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931029155

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 4.0
Formation End Depth: 54.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961515427

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10585944

Casing No: 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930065978

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

Depth From:

Depth To: 25.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991515427

Pump Set At:

Static Level: 8.0 Final Level After Pumping: 30.0 Recommended Pump Depth: 30.0 **Pumping Rate:** 10.0 Flowing Rate: Recommended Pump Rate: 10.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: **CLOUDY** Water State After Test: Pumping Test Method:

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

Draw Down & Recovery

 Pump Test Detail ID:
 934646845

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 30.0

 Test Level UOM:
 ft

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

Draw Down & Recovery

Pump Test Detail ID: 934376970 Test Type: Draw Down 30 Test Duration: 30.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934895553 Test Type: Draw Down Test Duration: 60 Test Level: 30.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934100906 Test Type: Draw Down Test Duration: 15 Test Level: 30.0 Test Level UOM: ft

Water Details

Water ID: 933471517 Layer: Kind Code: **FRESH** Kind: Water Found Depth: 50.0 Water Found Depth UOM: ft

10 1 of 3 NE/113.6 87.8 / -5.73 lot 2 con A **WWIS** ON

Well ID: 1517078

Construction Date: Primary Water Use: Domestic

Sec. Water Use: Final Well Status: Water Supply

0

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:

Owner: Street Name:

8/13/1979

TRUE

1558

1

County: **OTTAWA** Municipality: NORTH GOWER TOWNSHIP

Site Info:

Lot: 002 Concession: CON Concession Name:

Easting NAD83: Northing NAD83: Zone: UTM Reliability:

Data Entry Status:

Abandonment Rec:

Date Received:

Selected Flag:

Form Version:

Contractor:

Data Src:

 $https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517078.pdf$ PDF URL (Map):

Additional Detail(s) (Map)

 Well Completed Date:
 1979/06/22

 Year Completed:
 1979

 Depth (m):
 15.24

 Latitude:
 45.2245180692445

 Longitude:
 -75.6861845377447

 Path:
 151\1517078.pdf

Bore Hole Information

Bore Hole ID: 10038958

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

Cluster Kind:
Date Completed: 22-Jun-1979 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

 Formation ID:
 931034079

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

 Most Common Material:
 LIMESTONE

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

Formation Top Depth: 3.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931034078

Layer: 1 **Color:** 6

General Color: BROWN

Mat1:14Most Common Material:HARDPANMat2:12Mat2 Desc:STONES

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 3.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Elevation: Elevrc:

Zone: 18

East83: 446129.80 **North83:** 5008121.00

Org CS:

UTMRC: 4

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

Location Method: p4

Method Construction ID: 961517078

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10587528

Casing No: Comment:

Alt Name:

Construction Record - Casing

 Casing ID:
 930068320

 Layer:
 2

Layer: Material:

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:50.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930068319

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

Depth From:

Depth To:22.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991517078

Pump Set At:

Static Level: 10.0 Final Level After Pumping: 25.0 Recommended Pump Depth: 40.0 Pumping Rate: 50.0 Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: ft GPM Rate UOM: Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: 1 **Pumping Duration HR:** 1 **Pumping Duration MIN:** 0 No Flowing:

Draw Down & Recovery

 Pump Test Detail ID:
 934901600

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 25.0

Test Level UOM:

Draw Down & Recovery

 Pump Test Detail ID:
 934102615

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 25.0

 Test Level UOM:
 ft

ft

Draw Down & Recovery

Pump Test Detail ID:934382616Test Type:Draw DownTest Duration:30

Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 934643701

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 25.0

 Test Level UOM:
 ft

Water Details

10

 Water ID:
 933473487

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 45.0

Water Found Depth: 45
Water Found Depth UOM: ft

2 of 3

Well ID: 1517735 Data Entry Status:

NE/113.6

Construction Date:
Primary Water Use:
Commerical
Sec. Water Use:
O
Selected Flag:
Final Well Status:
Vater Supply

Data Entry Status:

1
Data Src:
1
Date Received:
3/3/1982
Selected Flag:
TRUE
Abandonment Rec:

87.8 / -5.73

lot 2 con A

ON

WWIS

Order No: 22020800656

Final Well Status:Water SupplyAbandonment Rec:Water Type:Contractor:1558Casing Material:Form Version:1Audit No:Owner:

Tag:Street Name:Construction Method:County:OTTAWA

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

 Depth to Bedrock:
 Lot:
 002

 Well Depth:
 Concession:
 A

 Overburden/Bedrock:
 Concession Name:
 CON

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

Flowing (Y/N):

Flow Rate:

Clear/Cloudy:

Zone:

UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517735.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1981/10/14

 Year Completed:
 1981

 Depth (m):
 42.672

 Latitude:
 45.2245180692445

 Longitude:
 -75.6861845377447

 Path:
 151\1517735.pdf

Bore Hole Information

Bore Hole ID: 10039607

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

Cluster Kind:

Date Completed: 14-Oct-1981 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931036157

Layer: 1

Color: General Color:

Mat1: 24

Most Common Material: PREV. DRILLED

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 100.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931036158

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: 74
Mat2 Desc: LAYERED

Mat3: Mat3 Desc:

Formation Top Depth: 100.0 Formation End Depth: 140.0 Formation End Depth UOM: ft

Method of Construction & Well

East83: North83: Org CS:

Elevation:

Elevrc:

Zone:

UTMRC: 4

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

18

446129.80

5008121.00

Order No: 22020800656

Location Method: p4

<u>Use</u>

Method Construction ID: 961517735

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10588177

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930069230

Layer:

Material: 4
Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 140.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991517735

Pump Set At:

 Static Level:
 20.0

 Final Level After Pumping:
 25.0

 Recommended Pump Depth:
 60.0

 Pumping Rate:
 75.0

Flowing Rate:

Recommended Pump Rate: 5.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: Pumping Duration HR: 1 **Pumping Duration MIN:** 0 No Flowing:

Draw Down & Recovery

 Pump Test Detail ID:
 934895678

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 25.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934102947

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 25.0

 Test Level UOM:
 ft

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

Draw Down & Recovery

934376567 Pump Test Detail ID: Draw Down Test Type: Test Duration: 30 25.0 Test Level: Test Level UOM:

Draw Down & Recovery

934646403 Pump Test Detail ID: Draw Down Test Type: Test Duration: 45 Test Level: 25.0 Test Level UOM:

Water Details

Water ID: 933474266 Layer:

Kind Code: Kind: **FRESH** Water Found Depth: 138.0 ft Water Found Depth UOM:

10 3 of 3 NE/113.6 87.8 / -5.73 lot 2 con A **WWIS**

Well ID: 1518928

Construction Date: Primary Water Use: Domestic

Sec. Water Use:

Final Well Status: Water Supply

Water Type:

Casing Material: Audit No:

Tag: **Construction Method:**

Elevation (m): Elevation Reliability:

Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level:

Flowing (Y/N): Flow Rate: Clear/Cloudy:

ON

Data Entry Status:

Data Src: Date Received: 5/2/1984

Selected Flag: TRUE Abandonment Rec:

Contractor: 1558 Form Version: Owner:

Street Name:

County: **OTTAWA**

Municipality: NORTH GOWER TOWNSHIP

Order No: 22020800656

Site Info:

002 Lot: Concession: CON Concession Name:

Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518928.pdf

Additional Detail(s) (Map)

1984/03/21 Well Completed Date: Year Completed: 1984 Depth (m): 22.86

45.2245180692445 Latitude: Longitude: -75.6861845377447 151\1518928.pdf Path:

Bore Hole Information

Elevation:

18

p4

446129.80

5008121.00

margin of error: 30 m - 100 m

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

10040798 Bore Hole ID:

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

Cluster Kind:

21-Mar-1984 00:00:00 Date Completed: Remarks:

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931040051

Layer: Color: 2 General Color: **GREY** 28 Mat1: Most Common Material: SAND Mat2: 13

Mat2 Desc: **BOULDERS** Mat3: Mat3 Desc: **GRAVEL** Formation Top Depth: 41.0 Formation End Depth: 51.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931040050 Formation ID:

Layer: Color: 3 General Color: **BLUE** Mat1: 05 Most Common Material: CLAY Mat2:

Mat2 Desc: **BOULDERS** Mat3: 85 SOFT Mat3 Desc: Formation Top Depth: 23.0 Formation End Depth: 41.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931040049

Layer: 2 Color: 3 **BLUE** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 85 SOFT Mat2 Desc:

Mat3: Mat3 Desc:

Formation Top Depth: 14.0 Formation End Depth: 23.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931040052

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: 78

Mat2 Desc: MEDIUM-GRAINED

Mat3: Mat3 Desc:

Formation Top Depth: 51.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931040048

Layer: 1 **Color:** 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 79

 Mat2 Desc:
 PACKED

Mat3: Mat3 Desc:

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

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961518928

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10589368

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930071216

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

Depth From:

Depth To: 53.0 Casing Diameter: 53.0

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

 Casing ID:
 930071217

 Layer:
 2

Material: 2

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 75.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991518928

Pump Set At:

Static Level:12.0Final Level After Pumping:35.0Recommended Pump Depth:50.0Pumping Rate:15.0

Flowing Rate:

Flowing:

Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0

No

Draw Down & Recovery

 Pump Test Detail ID:
 934106332

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 35.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934381073

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 35.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934651049

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 35.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934900582

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Type: Test Duration Test Level: Test Level U		Draw Down 60 35.0 ft			
Water Details	i				
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM:	933475771 1 1 FRESH 69.0 ft			
Water Details	i				
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM:	933475772 2 1 FRESH 72.0 ft			
<u>11</u>	1 of 6	NNE/117.8	87.8 / -5.73	GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED 1168 MAPLE ST, PO 534, STN MAIN MANOTICK ON K4M1A5	PES
Detail Licence Licence No: Status: Approval Date Report Source Licence Type Licence Clas Licence Cont Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link: PDF Site Loce	re: e: Limited e Code: 23 s: trol:	d Vendor		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	
11	2 of 6	NNE/117.8	87.8 / -5.73	GIANT TIGER STORE # 78 - TORA MANOTICK LIMITED 1168 MAPLE ST, PO 534, STN MAIN MANOTICK ON K4M1A5	PES
Detail Licence Licence No: Status: Approval Dat Report Source Licence Type Licence Clas Licence Con	de: se: s: Vendo s Code: s:	r		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession:	

Latitude: Longitude: Lot: Concession: Region:

District:

Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:

County: Trade Name: PDF Link:

PDF Site Location:

11 3 of 6 NNE/117.8 87.8 / -5.73 1168 MAPLE STREET MANOTICK ON

External File Num: FS INC 0611-04142
Fuel Occurrence Type: Pipeline Strike
Date of Occurrence: 10/31/2006
Fuel Type Involved: Natural Gas

 Status Desc:
 Completed - Causal Analysis(End)

 Job Type Desc:
 Incident/Near-Miss Occurrence (FS)

 Oper. Type Involved:
 Construction Site (excluding pipeline strike)

NNE/117.8

Service Interruptions: Yes
Property Damage: Yes
Fuel Life Cycle Stage: Utilization

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

Yes Management:No Human Factors:Yes

Reported Details:

Fuel Category: Gaseous Fuel Occurrence Type: Incident

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

87.8 / -5.73

County Name: Ottawa

Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:

GIANT TIGER STORE # 78 - TORA MANOTICK

PES

Order No: 22020800656

LIMITED

1168 MAPLE ST, BOX 534 MANOTICK ON K4M 1A5

Detail Licence No: Licence No: Status: Approval Date:

11

Report Source:
Licence Type: Vendor

4 of 6

Licence Type Code:
Licence Class:
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:

PDF Link: PDF Site Location:

Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code:
Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:

SWP Area Name:

County: Trade Name:

Мар Кеу	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
<u>11</u>	5 of 6		NNE/117.8	87.8 / -5.73	GIANT TIGER STOR LIMITED 1168 MAPLE ST, BO MANOTICK ON K4M		PES
Detail Licent Licence No. Status: Approval Di Report Sou. Licence Typ. Licence Clatitude: Longitude: Lot: Concession: Region: District: County: Trade Name PDF Link: PDF Site Lot.	ate: rce: pe: pe Code: ss: ntrol:	23-01-138	552-0		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:		
<u>11</u>	6 of 6		NNE/117.8	87.8 / -5.73	GIANT TIGER STOR LIMITED 1168 MAPLE ST, BO MANOTICK ON K4M		PES
Detail Licent Licence No. Status: Approval Detail Licence Typ Licence Typ Licence Col Latitude: Longitude: Longitude: Lot: Concession: District: County: Trade Name PDF Link: PDF Site Lot	ate: rce: pe: pe Code: ss: ntrol:	Legacy Li Limited V 23 01	censes (Excluding endor	TS)	Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	613 6924766	
<u>12</u>	1 of 1		NNE/121.4	88.9 / -4.64	lot 2 con A ON		wwis
Well ID: Construction Primary Wasec. Water Final Well S Water Type Casing Mate	ter Use: Use: Status: :	1510575 Commerio 0 Water Su			Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version:	1 5/25/1970 TRUE 3002 1	

Audit No: Owner: Street Name: Tag:

Construction Method: County: **OTTAWA**

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

002 Depth to Bedrock: Lot: Well Depth: Concession: Overburden/Bedrock: Concession Name: CON

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510575.pdf

Additional Detail(s) (Map)

Clear/Cloudy:

Well Completed Date: 1970/04/22 Year Completed: 1970 14.6304 Depth (m):

Latitude: 45.2246606297953 Longitude: -75.6864282705782 151\1510575.pdf Path:

Bore Hole Information

Bore Hole ID: 10032602 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 446110.80 Code OB: East83: Code OB Desc: North83: 5008137.00 Open Hole: Org CS:

Cluster Kind: **UTMRC:**

margin of error: 30 m - 100 m Date Completed: 22-Apr-1970 00:00:00 UTMRC Desc: Remarks: Location Method:

Order No: 22020800656

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931015270

Layer:

Color:

General Color:

Mat1:

PREVIOUSLY DUG Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931015271

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 5.0
Formation End Depth: 48.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961510575Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10581172

 Casing No:
 1

 Comment:
 1

Alt Name:

Construction Record - Casing

Casing ID: 930057780 Layer: 1 Material: Open Hole or Material: STEEL Depth From: Depth To: 20.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

 Casing ID:
 930057781

 Layer:
 2

Material: 4
Open Hole or Material: OPEN HOLE

Depth From:

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

Results of Well Yield Testing

Pump Test ID: 991510575

Pump Set At:

Static Level:8.0Final Level After Pumping:20.0Recommended Pump Depth:30.0Pumping Rate:40.0

Flowing Rate:

Recommended Pump Rate: 40.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: 12 **Pumping Duration HR: Pumping Duration MIN:** 0 Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934898580

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 20.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934641099

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 19.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934097204

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 17.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934379522

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 19.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933465599

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 40.0

 Water Found Depth UOM:
 ft

13 1 of 1 W/123.3 98.0 / 4.44 lot 2 con A ON WWIS

Well ID: 1511320

Construction Date:

Primary Water Use: Domestic Sec. Water Use: 0

Final Well Status: Water Supply

Water Type:

Data Entry Status:

Data Src:

Date Received: 8/19/1971 **Selected Flag:** TRUE

Order No: 22020800656

Abandonment Rec:

Contractor: 1558

Casing Material: Form Version: 1

Audit No: Owner:
Tag: Street Name:
Construction Method: County:

 Construction Method:
 County:
 OTTAWA

 Elevation (m):
 Municipality:
 NORTH GOWER TOWNSHIP

Elevation Reliability: Site Info:

 Depth to Bedrock:
 Lot:
 002

 Well Depth:
 Concession:
 A

 Overburden/Bedrock:
 Concession Name:
 CON

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

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

Flow Rate: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511320.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1971/07/30

 Year Completed:
 1971

 Depth (m):
 27.1272

 Latitude:
 45.2237936594982

 Longitude:
 -75.6883921617718

 Path:
 151\1511320.pdf

Bore Hole Information

Bore Hole ID: 10033316 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 445955.80

 Code OB Desc:
 North83:
 5008042.00

Open Hole: Org CS: Cluster Kind: UTMRC:

 Date Completed:
 30-Jul-1971 00:00:00
 UTMRC Desc:
 margin of error : 30 m - 100 m

Order No: 22020800656

Remarks: Location Method: p

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931017338

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 09

Mat2 Desc: MEDIUM SAND

Mat3: 13

Mat3 Desc:BOULDERSFormation Top Depth:10.0Formation End Depth:56.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 931017337

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 09

Mat2 Desc: MEDIUM SAND

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 10.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931017339

 Layer:
 3

 Color:
 2

 General Color:
 GREY

Mat1:15Most Common Material:LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 56.0 Formation End Depth: 89.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961511320Method Construction Code:5Method Construction:Air Percussion

Other Method Construction:

Pipe Information

 Pipe ID:
 10581886

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930059135

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

Depth From:

Depth To: 59.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930059136

Layer: 2 Material:

Open Hole or Material: **OPEN HOLE**

Depth From:

Depth To:

89.0

Casing Diameter:

Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

991511320 Pump Test ID:

GPM

Pump Set At:

Static Level: 55.0 Final Level After Pumping: 80.0 Recommended Pump Depth: 80.0 Pumping Rate: 10.0 Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: ft

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

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

Draw Down & Recovery

934643411 Pump Test Detail ID: Test Type: Draw Down Test Duration: 45 Test Level: 80.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934381833 Test Type: Draw Down Test Duration: 30 Test Level: 0.08 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934097013 Test Type: Draw Down 15 Test Duration: 0.08 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934900194 Draw Down Test Type: Test Duration: 60 80.0 Test Level: Test Level UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Details	<u>s</u>				
Water ID: Layer: Kind Code: Kind: Water Found Water Found	l Depth: I Depth UOM:	933466436 1 1 FRESH 87.0 ft			
<u>14</u>	1 of 9	ENE/142.5	87.8 / -5.73	BARRHAVEN INDEPENDENT 1165 JOHN ST MANOTICK ON K4M	SCT
Established: Plant Size (ft Employment	t²):	0000 0 10			
Details Description: SIC/NAICS C		Newspaper Publish 511110	ners		
14	2 of 9	ENE/142.5	87.8 / -5.73	MANOTICK MESSENGER INC. 1165 JOHN ST MANOTICK ON K4M 1A5	SCT
Established: Plant Size (ft Employment	t²):	0000 0 0			
Details Description: SIC/NAICS C		Newspaper Publish 511110	ners		
Description: SIC/NAICS C		Periodical Publishe 511120	rs		
14	3 of 9	ENE/142.5	87.8 / -5.73	MANOTICK PRINTING SERVICES 1165 JOHN ST MANOTICK ON K4M 1A5	SCT
Established: Plant Size (ft Employment	⁽²):	0000 0 0			
Details Description: SIC/NAICS C		Quick Printing 323114			
Description: SIC/NAICS C		Digital Printing 323115			
Description: SIC/NAICS C		Other Printing 323119			
<u>14</u>	4 of 9	ENE/142.5	87.8 / -5.73	IMPLO-TEC RESEARCH CANADA INC. 1165 John St Manotick ON K4M 1A2	SCT

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Established: Plant Size (ft Employment	²):	1994 0 3			
Details Description: SIC/NAICS C		Explosives Manufa 325920	cturing		
<u>14</u>	5 of 9	ENE/142.5	87.8 / -5.73	Barrhaven Independent 1165 Beaverwood Crs Manotick ON K4M 1A5	SCT
Established: Plant Size (ft Employment	¹²):	8/1/1989			
Details Description: SIC/NAICS C		Quick Printing 323114			
Description: SIC/NAICS C		Other Printing 323119			
Description: SIC/NAICS C		Newspaper Publish 511110	ners		
Description: SIC/NAICS C		Graphic Design Se 541430	rvices		
Description: SIC/NAICS C		Digital Printing 323115			
14	6 of 9	ENE/142.5	87.8 / -5.73	Manotick Printing Services 1165 Beaverwood Rd Manotick ON K4M 1A5	SCT
Established: Plant Size (ft Employment	²):	01-AUG-89			
Details Description: SIC/NAICS C	code:	Other Printing 323119			
Description: SIC/NAICS C		Digital Printing 323115			
Description: SIC/NAICS C		Quick Printing 323114			
14	7 of 9	ENE/142.5	87.8 / -5.73	Manotick Messenger Inc. 1165 Beaverwood Rd Manotick ON K4M 1A5	SCT
Established: Plant Size (ft Employment	¹²):	01-AUG-89			

--Details--Description:

Quick Printing

SIC/NAICS Code: 323114

Description:Digital PrintingSIC/NAICS Code:323115

Description: Support Activities for Printing

SIC/NAICS Code: 323120

Description: Newspaper Publishers

SIC/NAICS Code: 511110

Description: Other Printing **SIC/NAICS Code:** 323119

14 8 of 9 ENE/142.5 87.8 / -5.73 Manotick Messenger Inc. 1165 Beaverwood Rd
Manotick ON K4M 1A5

Established: 01-AUG-89

Plant Size (ft²): Employment:

--Details-
Description: Digital Printing

SIC/NAICS Code: 323115

Description: Graphic Design Services

SIC/NAICS Code: 541430

Description: Newspaper Publishers

SIC/NAICS Code: 511110

Description: Other Printing **SIC/NAICS Code:** 323119

Description: Quick Printing SIC/NAICS Code: 323114

14 9 of 9 ENE/142.5 87.8 / -5.73 1165 Beaverwood Road Ottawa Ontario

EHS

X:

Y:

Nearest Intersection:

Search Radius (km):

ON

.25

-75.685252

45.224224

Order No: 22020800656

Client Prov/State:

Municipality:

Order No: 20191021027

Status: C

Report Type:Standard ReportReport Date:24-OCT-19Date Received:21-OCT-19

Previous Site Name: Lot/Building Size:

Additional Info Ordered: Fire Insur. Maps and/or Site Plans

1 of 1 WSW/143.7 96.2 / 2.69 Iot 2 con A WWIS

Well ID: Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 8/18/1972

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

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:

Selected Flag:

Abandonment Rec:

3644 Contractor: Form Version: 1

Owner: Street Name:

County: **OTTAWA**

Municipality: NORTH GOWER TOWNSHIP

TRUE

Site Info: Lot:

002 Concession: CON Concession Name:

Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511819.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1972/07/17 Year Completed: 1972 Depth (m): 25.6032

45.2230728179252 Latitude: Longitude: -75.6885108361765 Path: 151\1511819.pdf

Bore Hole Information

Bore Hole ID: 10033813

DP2BR: Spatial Status: Code OB:

Code OB Desc: Open Hole: Cluster Kind:

17-Jul-1972 00:00:00 Date Completed:

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931018803

Layer: Color: General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 13

Mat2 Desc: **BOULDERS**

Mat3:

Mat3 Desc:

0.0 Formation Top Depth: Formation End Depth: 34.0 Formation End Depth UOM:

Elevation: Elevrc:

Zone: 18

East83: 445945.80 5007962.00 North83:

Org CS:

UTMRC:

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

Order No: 22020800656

Location Method:

Overburden and Bedrock

Materials Interval

 Formation ID:
 931018804

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE Mat2:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 34.0 Formation End Depth: 84.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961511819Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10582383

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930060064

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

Depth From:

Depth To:37.0Casing Diameter:5.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930060065

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 84.0
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991511819

Pump Set At:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Static Level:	fter Pumping:	21.0 50.0			
	ed Pump Depth:	50.0			
Pumping Rat		20.0			
Flowing Rate					
	ed Pump Rate:	10.0			
Levels UOM:		ft			
Rate UOM:	After Test Code:	GPM 2			
Water State A		CLOUDY			
Pumping Tes		2			
Pumping Dui		1			
Pumping Dui	ration MIN:	0			
Flowing:		No			
Draw Down &	Recovery				
Pump Test D	etail ID:	934894266			
Test Type:		Draw Down			
Test Duration	1:	60			
Test Level: Test Level U	∩ <i>M</i> .	50.0 ft			
rest Lever O	JIVI.	π			
<u>Draw Down 8</u>	Recovery				
Pump Test D	etail ID:	934098467			
Test Type:		Draw Down			
Test Duration	1:	15			
Test Level: Test Level U	∩ <i>M•</i>	42.0 ft			
rest Level O	JIVI.	ıı			
<u>Draw Down 8</u>	Recovery				
Pump Test D	etail ID:	934645552			
Test Type:		Draw Down			
Test Duration	1:	45			
Test Level:		50.0			
Test Level U	OM:	ft			
Draw Down 8	Recovery				
Pump Test D	etail ID:	934383978			
Test Type:		Draw Down			
Test Duration	1:	30			
Test Level: Test Level U	OM.	50.0			
rest Lever U	JIVI:	ft			
Water Details	i				
Water ID:		933467091			
Layer:		1			
Kind Code:		1			
Kind:	Danth	FRESH			
Water Found Water Found		84.0 ft			
vvaler Foulid	реритоом.	it .			
<u>16</u>	1 of 1	NNW/144.1	90.1 / -3.43	lot 1 con A ON	wwis
Well ID:	15065	90		Data Entry Status:	

1

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

Primary Water Use: 10/25/1963 **Public** Date Received:

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

4216 Water Type: Contractor: Casing Material: Form Version: 1 Audit No: Owner:

Tag: Street Name:

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

Depth to Bedrock: 001 Lot: Well Depth: Concession: Α CON Overburden/Bedrock: Concession Name:

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

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

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506590.pdf

Additional Detail(s) (Map)

1963/10/03 Well Completed Date: Year Completed: 1963 41.148 Depth (m):

45.2248810571337 Latitude: Longitude: -75.6871951928801 Path: 150\1506590.pdf

Bore Hole Information

Open Hole:

Bore Hole ID: 10028626 Elevation: DP2BR: Elevro:

Spatial Status: 18 Zone: 446050.80 Code OB: East83: Code OB Desc: North83: 5008162.00

Cluster Kind: **UTMRC**:

Date Completed: margin of error: 100 m - 300 m 03-Oct-1963 00:00:00 UTMRC Desc: Remarks: Location Method: р5

Org CS:

Order No: 22020800656

Elevrc Desc: Location Source Date:

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

Overburden and Bedrock

Materials Interval

Supplier Comment:

931004924 Formation ID:

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

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 32.0 135.0 Formation End Depth:

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931004923

Layer:

Color: General Color:

Mat1: 05 Most Common Material: CLAY 13 Mat2:

Mat2 Desc: **BOULDERS**

Mat3:

Mat3 Desc:

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

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961506590 **Method Construction Code:**

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10577196

Casing No: Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930049982

Layer: Material: Open Hole or Material: STEEL

Depth From:

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

Construction Record - Casing

930049983 Casing ID:

Layer: 2 Material:

OPEN HOLE Open Hole or Material:

Depth From:

Depth To: 35.0 Casing Diameter: 4.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506590

Map Key	Number of Records	of Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Set At: Static Level: Final Level A Recommende Pumping Rate Flowing Rate Recommende Levels UOM: Rate UOM: Water State A Water State A Pumping Tes Pumping Dur Flowing:	fter Pumping ed Pump Dej e: ed Pump Rat After Test Co After Test: et Method: ration HR:	te: 4.0 ft GPM			
Water Details	3				
Water ID: Layer: Kind Code: Kind: Water Found Water Found	•	933460751 1 3 SULPHUR 110.0			
<u>17</u>	1 of 2	E/145.0	87.9 / -5.67	ROBINSON'S FOODMARKETS INC. 1160 JOHN STREET MANOTICK ON K4M 1A3	PES
Detail Licence Licence No: Status: Approval Date Report Source Licence Type Licence Clas Licence Content Latitude: Longitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link: PDF Site Loc	te: ce: e: e: Code: s: trol:	23-01-10715-0 10715 Limited Vendor 23 01 0		Operator Box: 517 Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: 4 Operator District: 2 Operator County: 15 Op Municipality: Post Office Box: MOE District: SWP Area Name:	
17	2 of 2	E/145.0	87.9 / -5.67	PROVIGO DISTRIBUTION INC./ MANOTICK MEWS IND. GROCER 1160 JOHN STREET, BOX 517 MANOTICK ON K4M1A5	PES
Detail Licence Licence No: Status: Approval Dat Report Source Licence Type Licence Clas	te: ce: e: e: Code:	23-01-11586-0 11586 Legacy Licenses (Excluding T Limited Vendor 23 01	S)	Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot:	

Map Key	Numbe Record			Elev/Diff m)	Site		DB
Licence Co Latitude: Longitude: Lot: Concession Region: District: County: Trade Name PDF Link: PDF Site Lo	n: e:	0			Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	4 2 15	
18	1 of 2	SE/145.1	89	9.9 / -3.64	City of Ottawa		ECA
					Ottawa ON K1J 1A6		
Approval N Approval D Status: Record Typ Link Source SWP Area I Approval T Project Typ Business N Address: Full Addres Full PDF Lie PDF Site Lo	eate: pe: e: Name: type: pe: lame: ss: nk:	MUNICIPA City of Otta	AL AND PRIV awa	ATE SEWAGE	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: VAGE WORKS WORKS WORKS	Ottawa -75.6859 45.222485 5TESLF-14.pdf	
18	2 of 2	SE/145.1	89	9.9 / -3.64	City of Ottawa		ECA
					Ottawa ON		
Approval N Approval D Status: Record Typ Link Source SWP Area I Approval T Project Typ Business N Address: Full Addres	ete: oe: e: Name: type: oe: Jame:	0931-5LGSQC 2003-04-29 Approved ECA IDS Rideau Valley ECA-AIR AIR City of Otta	awa		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	Ottawa -75.6859 45.222485	
Full PDF Li PDF Site Lo	nk:	https://ww	w.accessenv	ronment.ene.g	ov.on.ca/instruments/3495-	5KQKBX-14.pdf	
<u>19</u>	1 of 1	W/148.5	90	5.8 / 3.31	lot 2 con A ON		wwis
Well ID: Construction Primary Wasec. Water Final Well S Water Type Casing Mate Audit No: Tag:	ater Use: Use: Status: e:	1511745 Domestic 0 Water Supply			Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name:	1 5/10/1972 TRUE 1517 1	

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

Construction Method: County: OTTAWA

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

 Depth to Bedrock:
 Lot:
 002

 Well Depth:
 Concession:
 A

 Overburden/Bedrock:
 Concession Name:
 CON

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

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\151\1745.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1972/04/21

 Year Completed:
 1972

 Depth (m):
 25.2984

 Latitude:
 45.2233686964587

 Longitude:
 -75.6887054700269

 Path:
 151\1511745.pdf

Bore Hole Information

 Bore Hole ID:
 10033739
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 445930.80

 Code OB Desc:
 North83:
 5007995.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 21-Apr-1972 00:00:00 UTMRC Desc: unknown UTM

Remarks: Location Method: p9
Elevro Desc:

Location Source Date:
Improvement Location Source:
Improvement Location Method:

Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931018614

Layer: 2 **Color:** 6

General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 12.0 Formation End Depth: 36.0 Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931018615

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

 Layer:
 3

 Color:
 6

 General Color:
 BROWN

 Mat1:
 15

 Most Common Material:
 LIMESTONE

Mat2: Mat2 Desc:

Mat3: Mat3 Desc: Formation Top Depth:

Formation Top Depth: 36.0 Formation End Depth: 83.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931018613

 Layer:
 1

 Color:
 6

 General Color:
 BR

General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

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

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961511745
Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Alt Name:

Pipe ID: 10582309

Casing No: 1
Comment:

Construction Record - Casing

Casing ID: 930059940

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

Depth From:

Depth To: 36.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991511745

Pump Set At:

Static Level: -35.0

Map Key Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Final Level After Pumping: Recommended Pump Dept Pumping Rate: Flowing Rate: Recommended Pump Rate. Levels UOM: Rate UOM: Water State After Test Code Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN: Flowing:	10.0 10.0 5.0 ft GPM			
Draw Down & Recovery Pump Test Detail ID: Test Type: Test Duration:	934894201 Draw Down 60			
Test Level: Test Level UOM:	45.0 ft			
Draw Down & Recovery Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:	934098395 Draw Down 15 43.0 ft			
Draw Down & Recovery Pump Test Detail ID: Test Type: Test Duration: Test Level:	934382937 Draw Down 30 44.0			
Test Level UOM:	ft			
Draw Down & Recovery Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:	934645071 Draw Down 45 45.0 ft			
Water Details Water ID: Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UOM:	933467002 1 1 FRESH 81.0 ft			
20 1 of 1	N/152.5	90.1 / -3.43	lot 2 con A ON	wwis

Well ID: 1510653 Data Entry Status:

Data Src: Construction Date:

Primary Water Use: 7/21/1970 Domestic Date Received:

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

Sec. Water Use: 0

TRUE Selected Flag: Final Well Status: Water Supply Abandonment Rec: 1558 Water Type: Contractor:

Casing Material: Form Version: 1 Audit No: Owner: Street Name: Tag:

Construction Method: County: **OTTAWA**

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

Depth to Bedrock: Lot: 002 Well Depth: Concession: CON Overburden/Bedrock: Concession Name:

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

Flow Rate: UTM Reliability: Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510653.pdf PDF URL (Map):

Additional Detail(s) (Map)

1970/06/23 Well Completed Date: 1970 Year Completed: Depth (m): 27.7368

45.224971832678 Latitude: Longitude: -75.6870689081648 Path: 151\1510653.pdf

Bore Hole Information

Bore Hole ID: 10032679 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: 446060.80 East83: Code OB Desc: North83: 5008172.00 Open Hole: Org CS:

Cluster Kind: UTMRC:

UTMRC Desc: Date Completed: 23-Jun-1970 00:00:00 margin of error: 30 m - 100 m Remarks: Location Method:

Order No: 22020800656

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931015475

Layer: Color: General Color: **BROWN** Mat1: 05 Most Common Material: CLAY Mat2: 09

Mat2 Desc: MEDIUM SAND Mat3: 13 **BOULDERS** Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 19.0 Formation End Depth UOM: ft

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

Overburden and Bedrock

Materials Interval

Formation ID: 931015476

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 14

 Most Common Material:
 HARDPAN

 Mat2:
 13

Mat2: 13
Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 19.0 Formation End Depth: 35.0 Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931015477

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 35.0 Formation End Depth: 91.0

Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961510653

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10581249

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930057931

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 91.0

Casing Diameter:

Casing Diameter UOM: inch Casing Depth UOM: ft

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

Construction Record - Casing

Casing ID: 930057930

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

Depth To: 40.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991510653

Pump Set At:Static Level:35.0Final Level After Pumping:45.0

Recommended Pump Depth:
Pumping Rate: 10.0

Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CI OI

Water State After Test:CLOUDYPumping Test Method:2Pumping Duration HR:1Pumping Duration MIN:0Flowing:No

Draw Down & Recovery

Pump Test Detail ID:934897939Test Type:Draw Down

Test Duration: 60
Test Level: 45.0
Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 934097259

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 45.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934379577

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 45.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934641153

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 45.0

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

Test Level UOM: ft

Water Details

Water ID: 933465685

Layer: Kind Code:

FRESH Kind: Water Found Depth: 90.0 Water Found Depth UOM:

1 of 1 NNW/158.6 91.8 / -1.69 **21** lot 2 con A **WWIS** ON

Well ID: 1516267 Data Entry Status:

Construction Date: Data Src:

11/17/1977 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: TRUE

Final Well Status: Water Supply Abandonment Rec: 1558 Water Type: Contractor:

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

Tag: Street Name:

Construction Method: County: **OTTAWA**

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

Depth to Bedrock: Lot: 002 Well Depth: Concession: Overburden/Bedrock: CON Concession Name:

Pump Rate: Easting NAD83: Northing NAD83:

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

UTM Reliability: Flow Rate:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1516267.pdf PDF URL (Map):

Additional Detail(s) (Map)

Clear/Cloudy:

Well Completed Date: 1977/10/15 Year Completed: 1977 Depth (m): 22.2504

Latitude: 45.2249695332957 -75.6874510157693 Longitude: Path: 151\1516267.pdf

Bore Hole Information

Bore Hole ID: 10038197 Elevation:

DP2BR: Elevrc:

Spatial Status: 18 Zone: 446030.80 Code OB: East83: Code OB Desc: North83: 5008172.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 15-Oct-1977 00:00:00 **UTMRC Desc:** margin of error: 100 m - 300 m

Order No: 22020800656

р5 Remarks: Location Method:

Location Source Date:

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

Elevrc Desc:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931031629

Layer: 6 Color:

General Color: **BROWN** Mat1: 14 HARDPAN Most Common Material:

Mat2: 13 **BOULDERS** Mat2 Desc:

Mat3: 11 Mat3 Desc: **GRAVEL** Formation Top Depth: 1.0 Formation End Depth: 33.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931031630

Layer: Color:

General Color: **BLACK** Mat1: 15

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

33.0 Formation Top Depth: Formation End Depth: 73.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931031628

Layer: Color: 7 General Color: **RED** 28 Mat1: Most Common Material: SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

0.0 Formation Top Depth: Formation End Depth: 1.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

961516267 **Method Construction ID:**

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

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

Pipe ID: 10586767

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930067198

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

Depth From:

Depth To: 36.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930067199

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:73.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991516267

Pump Set At:

Static Level: 30.0 Final Level After Pumping: 60.0 Recommended Pump Depth: 60.0 Pumping Rate: 10.0 Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: Rate UOM: GPM Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: **Pumping Duration HR: Pumping Duration MIN:** 0 Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934101778

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 60.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:934640913Test Type:Draw DownTest Duration:45

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

60.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934898815 Draw Down Test Type: Test Duration: 60 Test Level: 60.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934379821 Test Type: Draw Down Test Duration: 30 60.0 Test Level:

ft

Water Details

Test Level UOM:

933472543 Water ID:

Layer: 1 Kind Code: 1

FRESH Kind: Water Found Depth: 70.0 Water Found Depth UOM: ft

22 1 of 1 W/161.0 96.2 / 2.66 lot 2 con A **WWIS** ON

Well ID: 1511375 Data Entry Status: **Construction Date:**

Data Src: 9/10/1971 Primary Water Use: **Domestic** Date Received: Sec. Water Use: Selected Flag: TRUE

Final Well Status: Water Supply Abandonment Rec: Contractor: 1558

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

Construction Method: OTTAWA County:

Municipality: NORTH GOWER TOWNSHIP Elevation (m): Elevation Reliability: Site Info: 002 Depth to Bedrock: I of

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

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

Flow Rate: UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511375.pdf

Order No: 22020800656

Additional Detail(s) (Map)

Clear/Cloudy:

Well Completed Date: 1971/08/26 Year Completed: 1971 26.5176 Depth (m):

Latitude: 45.2232509163497 Longitude: -75.6888314224938 Path: 151\1511375.pdf

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

Records

Bore Hole ID: 10033371

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

Bore Hole Information

Cluster Kind:

26-Aug-1971 00:00:00 Date Completed:

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931017531 Layer: Color: General Color: **GREY** Mat1: 14

HARDPAN Most Common Material: Mat2: 13 Mat2 Desc: **BOULDERS**

Mat3: Mat3 Desc:

22.0 Formation Top Depth: Formation End Depth: 34.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931017529 Layer: Color: 6 **BROWN** General Color: 05 Mat1: CLAY Most Common Material: Mat2: 09

Mat2 Desc: MEDIUM SAND Mat3: 13 **BOULDERS** Mat3 Desc:

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

Overburden and Bedrock

Materials Interval

931017530 Formation ID: Layer: Color: 6 General Color: **BROWN** Mat1:

MEDIUM SAND Most Common Material:

Elevation: Elevrc:

18 Zone: East83: 445920.80 5007982.00 North83:

Org CS: UTMRC:

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

Order No: 22020800656

Location Method:

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

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

 Mat3:
 05

 Mat3 Desc:
 CLAY

 Formation Top Depth:
 13.0

 Formation End Depth:
 22.0

 Formation End Depth UOM:
 ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931017532

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 34.0
Formation End Depth: 87.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961511375Method Construction Code:5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

 Pipe ID:
 10581941

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930059245

Layer: 1
Material: 1
Open Hele or Material: ST

Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM:

ft

Construction Record - Casing

Casing ID: 930059246

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 87.0
Casing Diameter: 6.0
Casing Diameter UOM: inch

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

Casing Depth UOM:

Results of Well Yield Testing

Pump Test ID: 991511375

ft

Pump Set At: Static Level:

18.0 Final Level After Pumping: 75.0 Recommended Pump Depth: 75.0 Pumping Rate: 6.0

Flowing Rate:

Recommended Pump Rate: 6.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: **Pumping Duration HR:** 1 Pumping Duration MIN: 0 Flowing: No

Draw Down & Recovery

934097066 Pump Test Detail ID: Test Type: Draw Down Test Duration: 15 Test Level: 75.0 Test Level UOM: ft

Draw Down & Recovery

934382303 Pump Test Detail ID: Test Type: Draw Down Test Duration: 30 Test Level: 75.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934643882 Test Type: Draw Down Test Duration: 45 Test Level: 75.0 Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934900247 Draw Down Test Type: Test Duration: 60 Test Level: 75.0 Test Level UOM: ft

Water Details

Water ID: 933466507 Layer: 1 Kind Code:

FRESH Kind: Water Found Depth: 85.0 Water Found Depth UOM:

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

NNW/163.8 1 of 1 89.5 / -4.01 lot 2 con A 23

ON

OTTAWA

WWIS

Order No: 22020800656

1506586 Well ID: Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 9/7/1960 Sec. Water Use: TRUE Selected Flag: 0

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

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

Street Name: Tag: **Construction Method:** County:

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

Depth to Bedrock: Lot: 002 Well Depth: Concession: Α Overburden/Bedrock: Concession Name: CON

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

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

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506586.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1960/08/01 Year Completed: 1960 Depth (m): 28.6512

Latitude: 45.2250610755834 Longitude: -75.6871973618679 Path: 150\1506586.pdf

Bore Hole Information

Bore Hole ID: 10028622 Elevation: DP2BR: Elevrc:

Spatial Status: 18 Zone:

Code OB: East83: 446050.80 Code OB Desc: North83: 5008182.00 Org CS: Open Hole:

Cluster Kind: UTMRC:

Date Completed: 01-Aug-1960 00:00:00 UTMRC Desc: margin of error: 100 m - 300 m

Remarks: Location Method: p5 Elevrc Desc:

Location Source Date: Improvement Location Source:

Improvement Location Method:

Supplier Comment:

Materials Interval

Overburden and Bedrock

Source Revision Comment:

Formation ID: 931004912

Layer:

Color: General Color:

Mat1: 13 Map Key Number of Direction/ Elev/Diff Site DB
Records Distance (m) (m)

Most Common Material: BOULDERS

Mat2:02Mat2 Desc:TOPSOIL

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 36.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004913

Layer: 2

Color:

General Color:

Mat1: 11

Most Common Material: GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 36.0 Formation End Depth: 42.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004914

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

 Most Common Material:
 LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 42.0 Formation End Depth: 94.0

Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961506586Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10577192

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930049975

Layer: 2

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

Material:

Open Hole or Material: **OPEN HOLE**

Depth From:

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

Construction Record - Casing

930049974 Casing ID:

Layer: Material: STEEL

Open Hole or Material:

Depth From: 42.0 Depth To: Casing Diameter: 5.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506586

Pump Set At:

Static Level: 34.0 Final Level After Pumping: 40.0 Recommended Pump Depth: 65.0 Pumping Rate: 3.0 Flowing Rate: Recommended Pump Rate: 3.0 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: Pumping Duration HR: 1 **Pumping Duration MIN:** 0 Flowing: No

Water Details

933460746 Water ID:

Layer: Kind Code:

FRESH Kind: Water Found Depth: 94.0 Water Found Depth UOM: ft

24 1 of 1 W/166.8 97.9 / 4.36 **BORE** ON

Borehole ID: 611793 Inclin FLG: No OGF ID: SP Status: 215513106 Initial Entry

Status: Surv Elev: No Type: Borehole Piezometer: No

Use: Primary Name: Completion Date: JUL-1972 Municipality: Static Water Level: Lot:

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

45.2237 25.6 Longitude DD: -75.688965 Total Depth m: **Ground Surface** Depth Ref: UTM Zone: 18

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

 Depth Elev:
 Easting:
 445911

 Drill Method:
 Northing:
 5008032

Drill Method:Northing:5008032Orig Ground Elev m:94.5Location Accuracy:

Elev Reliabil Note: Accuracy: Not Applicable
DEM Ground Elev m: 97.7
Concession:
Location D:

Borehole Geology Stratum

Survey D: Comments:

218389220 Geology Stratum ID: Mat Consistency: Top Depth: 0 Material Moisture: **Bottom Depth:** 10.4 Material Texture: Material Color: Grey Non Geo Mat Type: Geologic Formation: Material 1: Clay Material 2: **Boulders** Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: CLAY, BOULDERS. GREY.

218389221 Geology Stratum ID: Mat Consistency: Top Depth: 10.4 Material Moisture: **Bottom Depth:** 25.6 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. 00084STONE. GREY. 00149. L. GREY. 00075TY = 18000. BED **Note: Many records

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

Source

Source Type: Data Survey Source Appl: Spatial/Tabular

Source Orig:Geological Survey of CanadaSource Iden:1Source Date:1956-1972Scale or Res:VariesConfidence:Horizontal:NAD27

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)

Source Details: File: OTTAWA1.txt RecordID: 04301 NTS_Sheet:

Source List

Confiden 1:

Source Identifier: 1 Horizontal Datum: NAD27

Source Type:Data SurveyVertical Datum:Mean Average Sea LevelSource Date:1956-1972Projection Name:Universal Transverse Mercator

Scale or Resolution: Varies

Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

25 1 of 1 W/168.7 97.9 / 4.36 lot 2 con A WWIS

Order No: 22020800656

Well ID: 1512263 Data Entry Status:

Construction Date: Data Src: 1

Primary Water Use:DomesticDate Received:1/11/1973Sec. Water Use:0Selected Flag:TRUE

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

Abandonment Rec:

Order No: 22020800656

Final Well Status: Water Supply

Water Type:Contractor:1517Casing Material:Form Version:1Audit No:Owner:

Audit No: Owner:
Tag: Street Name:

Construction Method: County: OTTAWA

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

 Depth to Bedrock:
 Lot:
 002

 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:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512263.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1972/11/09

 Year Completed:
 1972

 Depth (m):
 24.384

 Latitude:
 45.2237000404921

 Longitude:
 -75.6889896971885

 Path:
 151\1512263.pdf

Bore Hole Information

 Bore Hole ID:
 10034255
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 445908.80

 Code OB Desc:
 North83:
 5008032.00

 Open Hole:
 Org CS:

 Cluster Kind:
 UTMRC:
 9

 Date Completed:
 09-Nov-1972 00:00:00
 UTMRC Desc:
 unknown UTM

Remarks: Location Method: p9
Elevrc Desc:

Location Source Date:
Improvement Location Source:
Improvement Location Method:

Overburden and Bedrock

Materials Interval

Source Revision Comment: Supplier Comment:

Formation ID: 931020153

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 39.0 Formation End Depth: 80.0 Formation End Depth UOM: ft Map Key Number of Direction/ Elev/Diff Site DB Records Distance (m) (m)

Overburden and Bedrock

Materials Interval

 Formation ID:
 931020152

 Layer:
 1

 Color:
 2

General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 12

Mat2: 12
Mat2 Desc: STONES
Mat3:

Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 39.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961512263
Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10582825

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930060748

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

Depth From:

Depth To: 39.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991512263

Pump Set At:

-20.0 Static Level: Final Level After Pumping: 40.0 Recommended Pump Depth: 60.0 Pumping Rate: 10.0 10.0 Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: ft Rate UOM: GPM Water State After Test Code: 2 Water State After Test: **CLOUDY** Pumping Test Method: 2

Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: Yes

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

Draw Down & Recovery

 Pump Test Detail ID:
 934647229

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 35.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934895386

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 40.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934376900

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 30.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934097918

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 25.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933467659

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 80.0

 Water Found Depth UOM:
 ft

26 1 of 1 SE/177.0 89.9 / -3.64 WWIS

Well ID: 7373237 Data Entry Status: Yes

Construction Date:

Primary Water Use:

Sec. Water Use:

Sec. Water Use:

Selected Flag:

Abandonment Rec:

Mater Times:

Data Src:

Date Received:

11/23/2020

TRUE

Abandonment Rec:

 Water Type:
 Contractor:
 1844

 Casing Material:
 Form Version:
 7

 Audit No:
 Z340904
 Owner:

Tag: A267575 Street Name:
Construction Method: County: OTTAWA

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

Depth to Bedrock:

Well Depth:

Overburden/Bedrock:

Pump Rate:

Lot:

Concession:

Concession Name:

Easting NAD83:

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

Static Water Level: Northing NAD83:

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

Clear/Cloudy:

Cluster Kind:

Bore Hole Information

1008509989 Bore Hole ID: Elevation:

DP2BR: Elevrc: Spatial Status: Zone: 18 446152.00 Code OB: East83: Code OB Desc: North83: 5007860.00 UTM83 Open Hole: Org CS: UTMRC:

Date Completed: 08-Jul-2019 00:00:00 **UTMRC Desc:** margin of error: 30 m - 100 m

Location Method: Remarks: Elevrc Desc:

Location Source Date: Improvement Location Source: Improvement Location Method:

Source Revision Comment: Supplier Comment:

Incident Reported Dt:

27 1 of 11 SSE/178.4 89.9 / -3.64 SHAHRAM BAKHTIARI **PINC**

5572 DOCTOR LEACH DR,,OTTAWA,ON,K4M

1C8,CA ON

Health Impact:

Incident ID: Pipe Material:

Incident No: 1773222 Fuel Category: Natural Gas

FS-Pipeline Incident **Environment Impact:** Type:

Status Code: Property Damage: Yes

Tank Status: Pipeline Damage Reason Est Service Interrupt: Task No: 5977992 Enforce Policy: Yes

Spills Action Centre: Public Relation:

Pipeline System: Fuel Type: Fuel Occurrence Tp: PSIG:

Date of Occurrence: Attribute Category: FS-Perform P-line Inc Invest

Occurrence Start Dt: 2015/12/16 Regulator Location: E-mail

Method Details: Depth: **Customer Acct Name:** SHAHRAM BAKHTIARI

5572 DOCTOR LEACH DR,,OTTAWA,ON,K4M 1C8,CA Incident Address: Operation Type:

Pipeline Type: Regulator Type: 5572 DOCTOR LEACH DRIVE, OTTAWA - PIPELINE HIT - 1" Summary:

Peter O' Gorman - ENBRIDGE Reported By:

Affiliation:

12/16/2015

Occurrence Desc: Damage Reason: Excavation practices not sufficient

Notes:

2 of 11 SSE/178.4 89.9 / -3.64 5572 Doctor Leach Drive, Manotick **27** SPL

Ottawa ON K4M 1C8

Order No: 22020800656

4041-A58RMQ Ref No: Discharger Report: Site No: NA Material Group: 12/15/2015 Incident Dt: Health/Env Conseq:

Year: Client Type: Incident Cause: Sector Type: Miscellaneous Communal

Incident Event: Agency Involved:

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

Contaminant Code: 35

NATURAL GAS (METHANE) Contaminant Name:

Contaminant Limit 1:

Contam Limit Freq 1: Contaminant UN No 1: **Environment Impact:**

Nature of Impact: Receiving Medium: Receiving Env: MOE Response:

Dt MOE Arvl on Scn: **MOE** Reported Dt: Dt Document Closed:

No

12/15/2015

Site County/District: Site Geo Ref Meth:

Incident Summary:

Contaminant Qty:

Incident Reason:

Site Name:

27

Generator No:

SIC Description:

Approval Years:

SIC Code:

Operator/Human Error

Manotick Arena & Community Centre<UNOFFICIAL>

TSSA - Enbridge, 1 inch plastic line damage, made safe

0 other - see incident description

3 of 11

ON7586787 913910 913910 2016

PO Box No: Country: Canada

SSE/178.4

89.9 / -3.64

89.9 / -3.64

City of Ottawa 5572 Dr. Leach Drive

Nearest Watercourse:

Site District Office:

Site Postal Code:

Site Geo Ref Accu:

SAC Action Class:

Site Map Datum:

Source Type:

5572 Doctor Leach Drive, Manotick

TSSA - Fuel Safety Branch - Hydrocarbon Fuel

GEN

GEN

Order No: 22020800656

K4M 1C8

Release/Spill

Ottawa

Site Address:

Site Region: Site Municipality:

Site Lot:

Site Conc:

Northing:

Easting:

Ottawa ON K4M 1C8 Status:

Co Admin: Barry W Reaney Choice of Contact: CO_ADMIN Phone No Admin: 613-692-4772 Ext. Contam. Facility: No

MHSW Facility: No

Detail(s)

Waste Class:

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class:

Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class:

ACID WASTE - HEAVY METALS Waste Class Desc:

Waste Class:

4 of 11

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

SSE/178.4

5572 Dr. Leach Drive

City of Ottawa

Ottawa ON K4M 1C8

ON7586787 Generator No: SIC Code: 913910 SIC Description: 913910 Approval Years: 2015

PO Box No:

Country: Canada Status: Co Admin: Barry W Reaney Choice of Contact: CO_ADMIN 613-692-4772 Ext. Phone No Admin:

Contam. Facility: No MHSW Facility: No

Detail(s)

27

Waste Class:

Waste Class Desc: ACID WASTE - HEAVY METALS

Number of Elev/Diff Site DΒ Map Key Direction/ Records Distance (m) Waste Class: 251 Waste Class Desc: **OIL SKIMMINGS & SLUDGES** Waste Class: Waste Class Desc: WASTE OILS & LUBRICANTS Waste Class: PAINT/PIGMENT/COATING RESIDUES Waste Class Desc: **27** 5 of 11 SSE/178.4 89.9 / -3.64 City of Ottawa **GEN** 5572 Dr. Leach Drive Ottawa ON K4M 1C8 Generator No: ON7586787 Status: 913910 Barry W Reaney SIC Code: Co Admin: 913910 SIC Description: Choice of Contact: CO_ADMIN Approval Years: 2014 Phone No Admin: 613-692-4772 Ext. PO Box No: Contam. Facility: Nο Canada MHSW Facility: Country: Detail(s) Waste Class: 252 WASTE OILS & LUBRICANTS Waste Class Desc: Waste Class: **OIL SKIMMINGS & SLUDGES** Waste Class Desc: Waste Class: Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES Waste Class: Waste Class Desc: ACID WASTE - HEAVY METALS 27 6 of 11 SSE/178.4 89.9 / -3.64 City of Ottawa GEN 5572 Dr. Leach Drive Ottawa ON K4M 1C8 Status: Generator No: ON7586787 Registered SIC Code: Co Admin: Choice of Contact: SIC Description: Approval Years: As of Dec 2018 Phone No Admin: PO Box No: Contam. Facility: Country: Canada MHSW Facility: Detail(s) 112 C Waste Class: Waste Class Desc: Acid solutions - containing heavy metals Waste Class: 145 H

Order No: 22020800656

Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 145 l

Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 251 L

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

Waste Class: 252 L

Waste Class Desc: Waste crankcase oils and lubricants

Map Key	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
<u>27</u>	7 of 11		SSE/178.4	89.9 / -3.64	Rideau Elevator Servi 5572 DR LEACH DRIV MANOTICK ON K4M 1	E	GEN
Generator N SIC Code: SIC Descrip Approval Ye PO Box No: Country:	tion: ears:	ON45197 As of Dec Canada			Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	Registered	
Detail(s)							
Waste Class Waste Class			251 L Waste oils/sludges	(petroleum based))		
<u>27</u>	8 of 11		SSE/178.4	89.9 / -3.64	City of Ottawa 5572 Dr. Leach Drive Ottawa ON K4M 1C8		GEN
Generator No:		ON75867	87		Status: Co Admin:	Registered	
SIC Code: SIC Descrip					Choice of Contact:		
Approval Ye PO Box No:		As of Jul 2	2020		Phone No Admin: Contam. Facility:		
Country:		Canada			MHSW Facility:		
Detail(s)							
Waste Class Waste Class			112 C Acid solutions - con	taining heavy me	tals		
Waste Class Waste Class			251 L Waste oils/sludges	(petroleum based)		
Waste Class Waste Class			145 H Wastes from the us	e of pigments, co	atings and paints		
Waste Class Waste Class			252 L Waste crankcase o	ils and lubricants			
Waste Class: 145 L Waste Class Desc: Wastes from the use of pigme		e of pigments, co	atings and paints				
<u>27</u>	9 of 11		SSE/178.4	89.9 / -3.64	City of Ottawa 5572 Dr Leach Dr Manotick ON K4M 1Ct	3	GEN
Generator N	lo:	ON75727	88		Status:	Registered	
SIC Code: SIC Description: Approval Years:					Co Admin: Choice of Contact:		
		As of Jul 2	2020		Phone No Admin:		
PO Box No: Country:		Canada			Contam. Facility: MHSW Facility:		

Order No: 22020800656

Detail(s)

Waste Class: 221 L
Waste Class Desc: Light fuels

Map Key Number of Direction/ Elev/Diff Site DΒ Records Distance (m) (m) **27** 10 of 11 SSE/178.4 89.9 / -3.64 City of Ottawa **GEN** 5572 Dr. Leach Drive Ottawa ON K4M 1C8 Generator No: ON7586787 Status: Registered SIC Code: Co Admin: SIC Description: Choice of Contact: Approval Years: As of Nov 2021 Phone No Admin: Contam. Facility: PO Box No: Country: Canada MHSW Facility: Detail(s) Waste Class: 252 L Waste Class Desc: Waste crankcase oils and lubricants Waste Class: Waste Class Desc: Waste compressed gases including cylinders

Waste Class: 148 C

Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 263 l

Waste Class Desc: Misc. waste organic chemicals

Waste Class: 112 C

Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 145 L

Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 269 L

Waste Class Desc: Organic non-halogenated pesticide and herbicide wastes

Waste Class: 251 L

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

Waste Class: 263 L

Waste Class Desc: Misc. waste organic chemicals

Waste Class: 145 H

Waste Class Desc: Wastes from the use of pigments, coatings and paints

27 11 of 11 SSE/178.4 89.9 / -3.64 City of Ottawa GEN

5572 Dr Leach Dr Manotick ON K4M 1C8

Generator No: ON7572788 **Status:** Registered

SIC Code: SIC Description:

Approval Years: As of Jan 2021

PO Box No:

Country: Canada

Co Admin: Choice of Contact:

Phone No Admin: Contam. Facility: MHSW Facility:

Order No: 22020800656

Detail(s)

Waste Class: 221 L
Waste Class Desc: Light fuels

28 1 of 1 N/182.4 89.5 / -4.01 lot 2 con A WWIS

Well ID: 1509945 Data Entry Status:

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

Construction Date:

Primary Water Use: Domestic

Sec. Water Use: 0 Final Well Status: W

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 Src: 1

Date Received: 1/28/1969 Selected Flag: TRUE

Abandonment Rec:

Contractor: 1703 Form Version: 1

Owner: Street Name:

County:

Municipality: NORTH GOWER TOWNSHIP

OTTAWA

Site Info:

 Lot:
 002

 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\1509945.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1968/09/02

 Year Completed:
 1968

 Depth (m):
 25.908

 Latitude:
 45.2252418603532

 Longitude:
 -75.6870721610666

 Path:
 150\1509945.pdf

Bore Hole Information

Bore Hole ID: 10031977

DP2BR: Spatial Status:

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

Date Completed: 02-Sep-1968 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931013460

Layer: 2

Color:

General Color:

Mat1: 1

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 38.0

Elevation: Elevrc:

Zone: 18

East83: 446060.80 **North83:** 5008202.00

Org CS:

UTMRC:

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

Order No: 22020800656

Location Method: p

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

Formation End Depth: 85.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931013459

Layer:

Color:

General Color:

13 Mat1:

Most Common Material: **BOULDERS**

Mat2: 11 GRAVEL Mat2 Desc:

Mat3:

Mat3 Desc: Formation Top Depth:

0.0 38.0 Formation End Depth: Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961509945

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10580547

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930056577

2 Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From:

Depth To: 85.0 2.0 Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930056576

Layer: Material: Open Hole or Material: STEEL

Depth From: 38.0 Depth To:

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

Results of Well Yield Testing

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test IL):	991509945			
Pump Set At	•				
Static Level:		25.0			
Final Level A	fter Pumping:	25.0			
	ed Pump Depth:	38.0			
Pumping Rat	e:	5.0			
Flowing Rate					
Recommend	ed Pump Rate:	5.0			
Levels UOM:	-	ft			
Rate UOM:		GPM			
Water State	After Test Code:	1			
Water State	After Test:	CLEAR			
Pumping Tes	st Method:	1			
Pumping Du	ration HR:	2			
Pumping Du	ration MIN:	0			
Flowing:		No			
Water Details	5				
Water ID:		933464864			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found	Depth:	85.0			
	Depth UOM:	ft			
	-				

1 of 1 ENE/182.9 88.9 / -4.64 lot 2 con A 29 **WWIS** ON Well ID: 1517944 Data Entry Status: **Construction Date:** Data Src:

OTTAWA

NORTH GOWER TOWNSHIP

Order No: 22020800656

10/5/1982 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: TRUE Abandonment Rec: Final Well Status: Water Supply

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

Tag: Street Name: **Construction Method:** County: Elevation (m): Municipality:

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

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

Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

 $https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517944.pdf$ PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1982/05/27 Year Completed: 1982 Depth (m): 15.8496

45.2245257146985 Latitude: Longitude: -75.6849108552948 Path: 151\1517944.pdf

Bore Hole Information

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

Bore Hole ID: 10039815

DP2BR: Spatial Status: Code OB: Code OB Desc:

Open Hole: Cluster Kind:

Date Completed: 27-May-1982 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

 Formation ID:
 931036831

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

 Mat2:
 90

 Mat2 Desc:
 VERY

 Mat3:
 73

 Mat3 Desc:
 HARD

 Formation Top Depth:
 38.0

 Formation End Depth:
 52.0

 Formation End Depth UOM:
 ft

Overburden and Bedrock

Materials Interval

Formation ID: 931036830

Layer: 2 Color: 2 General Color: **GREY** Mat1: 14 Most Common Material: **HARDPAN** Mat2: Mat2 Desc: **GRAVEL** Mat3: 13 Mat3 Desc: **BOULDERS** Formation Top Depth: 16.0 38.0 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931036829

Layer: 1 **Color:** 6

General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 13

Mat2 Desc: BOULDERS

Mat3: 73

Elevation:

Elevrc: Zone:

Zone: 18 **East83:** 446229.80 **North83:** 5008121.00

Org CS:

UTMRC:

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

Location Method: p4

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

Mat3 Desc: HARD Formation Top Depth: 0.0 16.0 Formation End Depth: Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961517944 **Method Construction Code:**

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10588385 Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930069538 Layer: 2

Material:

OPEN HOLE Open Hole or Material:

Depth From: Depth To: 52.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930069537

Layer: Material: Open Hole or Material: STEEL

Depth From:

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

Results of Well Yield Testing

991517944 Pump Test ID:

Pump Set At:

27.0 Static Level: Final Level After Pumping: 32.0 Recommended Pump Depth: 40.0 Pumping Rate: 10.0 Flowing Rate:

Recommended Pump Rate: 5.0 Levels UOM: ft Rate UOM: GPM Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: Pumping Duration HR: 3 **Pumping Duration MIN:** 0 No Flowing:

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

Draw Down & Recovery

934103133 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 15 32.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934377183 Test Type: Draw Down Test Duration: 30 Test Level: 32.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934647018 Test Type: Draw Down Test Duration: 45 Test Level: 32.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934896710 Draw Down Test Type: Test Duration: 60 32.0 Test Level: Test Level UOM: ft

Water Details

933474550 Water ID: Layer: 1 Kind Code: Kind: **FRESH** 50.0 Water Found Depth: Water Found Depth UOM: ft

1 of 1 NE/189.5 87.9 / -5.59 **30** lot 2 **WWIS** ON

Well ID: 1506481

Primary Water Use: Commerical

Sec. Water Use: 0

Final Well Status: Water Supply

Water Type: Casing Material: Audit No:

Construction Date:

Tag:

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

Overburden/Bedrock: Pump Rate:

Construction Method:

erisinfo.com | Environmental Risk Information Services

Owner: Street Name:

County: **OTTAWA**

Municipality:

Data Entry Status:

Abandonment Rec:

Date Received:

Selected Flag:

Form Version:

Contractor:

Data Src:

NORTH GOWER TOWNSHIP Site Info:

3/7/1963

TRUE

3504

002

Concession:

Lot:

Concession Name: BF

Easting NAD83:

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

Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506481.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1963/02/01 1963 Year Completed: Depth (m): 18.288

45.2249817818969 Latitude: Longitude: -75.6854131080142 Path: 150\1506481.pdf

Bore Hole Information

Bore Hole ID: 10028517 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 446190.80 Code OB: East83: Code OB Desc: North83: 5008172.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: UTMRC Desc: 01-Feb-1963 00:00:00 margin of error: 100 m - 300 m

Order No: 22020800656

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: 931004632

Layer:

Color: General Color:

01 Mat1:

Most Common Material: **FILL** Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931004633

Layer:

Color: General Color:

Mat1:

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Map Key Number of Direction/ Elev/Diff Site DB Records Distance (m) (m)

Mat3: Mat3 Desc:

Formation Top Depth: 5.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961506481

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10577087

Casing No: Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930049776

Layer:

Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:22.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

 Casing ID:
 930049777

 Laver:
 2

Layer: Material:

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:60.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991506481

Pump Set At:

Static Level:10.0Final Level After Pumping:40.0Recommended Pump Depth:45.0Pumping Rate:5.0Flowing Rate:5.0

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: 0
Pumping Duration MIN: 30

Map Key Number of Direction/ Elev/Diff Site DΒ

Records No Flowing:

Water Details

Water ID: 933460630

Layer: Kind Code:

FRESH Kind: Water Found Depth: 55.0 Water Found Depth UOM:

1 of 1 NNE/191.5 86.9 / -6.66 31 5528 Ann St **EHS** Ottawa ON K4M1A3

Nearest Intersection:

Order No: 20161125034 Status:

Report Type: Report Date: 02-DEC-16 Date Received: 25-NOV-16

Previous Site Name: Lot/Building Size:

Additional Info Ordered: City Directory

C Municipality: Standard Report Client Prov/State: ON Search Radius (km): .25 -75.686021 X: Y: 45.225231

(m)

1 of 1 WNW/192.1 99.6 / 6.05 lot 2 con A 32

Distance (m)

Well ID: 1510054 Data Entry Status:

Construction Date: Data Src:

6/13/1969 Date Received: Primary Water Use: Domestic Sec. Water Use: Selected Flag: TRUE

Water Supply Final Well Status:

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:

Street Name: County: **OTTAWA**

NORTH GOWER TOWNSHIP Municipality:

1503

WWIS

Order No: 22020800656

Site Info:

Contractor:

Owner:

Form Version:

ON

002 Lot: Concession: Α CON Concession Name:

Easting NAD83: Northing NAD83: Zone:

Abandonment Rec:

UTM Reliability:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510054.pdf PDF URL (Map):

Additional Detail(s) (Map)

1969/03/03 Well Completed Date: 1969 Year Completed: Depth (m): 35.6616

45.2246010545045 Latitude: Longitude: -75.6888477282067 151\1510054.pdf Path:

Bore Hole Information

Bore Hole ID: 10032085 Elevation:

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

18 445920.80

5008132.00

margin of error: 30 m - 100 m

Order No: 22020800656

Zone:

DP2BR: Spatial Status: Code OB: Code OB Desc:

Open Hole: Cluster Kind: Date Completed:

03-Mar-1969 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931013768

Layer: 2 Color:

General Color:

Mat1: 09

Most Common Material: MEDIUM SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 35.0 Formation End Depth: 42.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931013769

Layer: 3

Color:

General Color:

Mat1: 14

Most Common Material: HARDPAN

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 42.0 Formation End Depth: 57.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931013770

Layer: 4

Color:

General Color:

Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 57.0

117.0 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931013767

Layer:

Color:

General Color:

05 Mat1: Most Common Material: CLAY Mat2: 09

Mat2 Desc: MEDIUM SAND

Mat3: 13

BOULDERS Mat3 Desc:

Formation Top Depth: 0.0 35.0 Formation End Depth: Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961510054 **Method Construction Code:**

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10580655

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930056789

2 Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From:

Depth To: 117.0 5.0 Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930056788

Layer: Material:

Open Hole or Material: **STEEL**

Depth From:

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

Results of Well Yield Testing

Map Key	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test II Pump Set At Static Level: Final Level A Recommend Pumping Rate Recommend Levels UOM: Rate UOM: Water State A Pumping Tes Pumping Du Flowing:	ter Pumpi ed Pump D te: c: ed Pump R After Test: at Method: ration HR:	epth: Pate: Code:	991510054 40.0 80.0 100.0 10.0 5.0 ft GPM 2 CLOUDY 1 1 0 No			
Water Details Water ID:	<u> </u>		933464989			
Water ID: Layer: Kind Code: Kind: Water Found		м:	933464969 1 1 FRESH 116.0 ft			
<u>33</u>	1 of 2		WSW/196.2	94.9 / 1.36	Enbridge Gas Distrib 1196 Beaverwood Ro Ottawa ON	N PI
Ref No: Site No: Incident Dt: Year: Incident Everontaminant Contaminant Contaminant Contaminant Contaminant Contaminant Environment Nature of Impreceiving Mr. Receiving Environt MOE Resport Dt MOE Arvi MOE Reporte Dt Document Incident Rea Site Name: Site Geo Ref Incident Sun Contaminant	nt: Code: Name: Interpretation Code: Name: Interpretation Code: Co	1075 Air No 2018/06/ 2018/06/	/06 eak AL GAS (METHANE) /06 /16 r/Human Error Residence <unoff< th=""><th>n plastic IP line str</th><th>Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Manicipality: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:</th><th>2 - Minor Environment Corporation Miscellaneous Communal 1196 Beaverwood Road Ottawa Eastern Ottawa 5007998.92 445883.31 TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill Pipeline/Components</th></unoff<>	n plastic IP line str	Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Manicipality: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	2 - Minor Environment Corporation Miscellaneous Communal 1196 Beaverwood Road Ottawa Eastern Ottawa 5007998.92 445883.31 TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill Pipeline/Components
33	2 of 2		WSW/196.2	94.9 / 1.36	PIPELINE HIT 1/2" 1196 BEAVERWOOD CA ON	RD,,OTTAWA,ON,K4M 1C7,

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

 Incident ID:
 Pipe Material:

 Incident No:
 2321964
 Fuel Category:

 Incident Reported Dt:
 6/7/2018
 Health Impact:

 Type:
 FS-Pipeline Incident
 Environment Impact

Type: FS-Pipeline Incident Environment Impact:
Status Code: Property Damage:
Tank Status: Pipeline Damage Reason Est Service Interrupt:

Task No: Enforce Policy:
Spills Action Centre: Public Relation:
Fuel Type: Pipeline System:

Fuel Occurrence Tp: PSIG:
Date of Occurrence: Attribute Category:
Occurrence Start Dt: Regulator Location:
Depth: Method Details:

Customer Acct Name: PIPELINE HIT 1/2"

Incident Address: 1196 BEAVERWOOD RD,,OTTAWA,ON,K4M 1C7,CA

Operation Type:
Pipeline Type:
Regulator Type:
Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:

34 1 of 1 W/203.0 98.7 / 5.14 lot 2 con A ON WWIS

Well ID: 1515411 Data Entry Status:

Construction Date:Data Src:1Primary Water Use:LivestockDate Received:7/8/1976

Sec. Water Use: 0 Selected Flag: TRUE

Final Well Status:Water SupplyAbandonment Rec:Water Type:Contractor:1558Casing Material:Form Version:1

Audit No:Owner:Tag:Street Name:Construction Method:County:

 Construction Method:
 County:
 OTTAWA

 Elevation (m):
 Municipality:
 NORTH GOWER TOWNSHIP

Elevation Reliability:Site Info:Depth to Bedrock:Lot:002Well Depth:Concession:A

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/151\151411.pdf

Order No: 22020800656

Additional Detail(s) (Map)

 Well Completed Date:
 1976/06/18

 Year Completed:
 1976

 Depth (m):
 45.1104

 Latitude:
 45.2240579252967

 Longitude:
 -75.6893506742536

 Path:
 151\1515411.pdf

Bore Hole Information

Elevation:

18

445880.80

5008072.00

margin of error: 100 m - 300 m

Order No: 22020800656

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

10037359 Bore Hole ID:

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

Cluster Kind:

18-Jun-1976 00:00:00 Date Completed:

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931029111

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

Mat2: 13

Mat2 Desc: **BOULDERS** Mat3: 79 Mat3 Desc: **PACKED** Formation Top Depth: 7.0 Formation End Depth: 40.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931029110 Formation ID:

Layer:

Color: 6

General Color: **BROWN** Mat1: 05 Most Common Material: CLAY Mat2: 28 Mat2 Desc: SAND Mat3: 13 **BOULDERS**

Formation Top Depth: 0.0 Formation End Depth: 7.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Mat3 Desc:

Formation ID: 931029112

Layer: 3 Color: 2 General Color: **GREY** Mat1:

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 40.0 Formation End Depth: 148.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961515411

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10585929 Casing No:

Comment: Alt Name:

Construction Record - Casing

930065948 Casing ID:

Layer: 1 Material: Open Hole or Material: **STEEL** Depth From:

Depth To: 44.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM:

Construction Record - Casing

930065949 Casing ID:

Layer: 2 Material:

Open Hole or Material: **OPEN HOLE**

Depth From:

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

Results of Well Yield Testing

991515411 Pump Test ID:

Pump Set At:

Static Level: 35.0 Final Level After Pumping: 50.0 Recommended Pump Depth: 70.0 Pumping Rate: 20.0 Flowing Rate:

Recommended Pump Rate: 5.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: **Pumping Duration HR:** 1 **Pumping Duration MIN:** 0 Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934100892

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 50.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934646831

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 50.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934376537

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 50.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934895539

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 50.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933471497

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 120.0

Water Found Depth: 12
Water Found Depth UOM: ft

Water Details

Water Found Depth UOM:

 Water ID:
 933471498

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 142.0

35 1 of 8 ESE/208.3 88.9 / -4.64

ft

MANOTICK HARDWARE LIMITED 1166 BEAVERWOOD RD, PO BOX 970

MANOTICK ON K4M1A8

Detail Licence No: Operator Box:
Licence No: Operator Class:
Status: Operator No:

Approval Date:Operator Type:VendorReport Source:Oper Area Code:

Licence Type: Oper Phone No:

PES

Licence Type Code: Licence Class: Licence Control:

Latitude: Longitude:

Region: District: County: Trade Name: PDF Link:

Lot: Concession:

Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

Operator Ext:

PDF Site Location:

35 2 of 8 ESE/208.3 88.9 / -4.64

1160D Beaverwood Drive, Manotick

INC

PINC

Order No: 22020800656

 Incident No:
 441918

 Incident ID:
 2593728

Instance No:

Status Code: Causal Analysis Complete

Attribute Category: FS-Incident

Context:

Date of Occurrence:
Time of Occurrence:
Incident Created On:
Instance Creation Dt:
Instance Install Dt:
Occur Insp Start Date:
Approx Quant Rel:
Tank Capacity:
Fuels Occur Type:
Fuel Type Involved:

Enforcement Policy: Prc Escalation Req:

Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Cap:

Task No:

Notes: Drainage System: Sub Surface Contam.: Aff Prop Use Water:

Contam. Migrated: Contact Natural Env: Incident Location: Occurence Narrative:

Operation Type Involved:

Item:

Item Description:

Device Installed Location:

Any Health Impact: Any Enviro Impact:

Service Interrupted: Was Prop Damaged: Reside App. Type: Commer App. Type: Indus App. Type: Institut App. Type: Venting Type: Vent Conn Mater: Vent Chimney Mater:

Pipeline Type: Service / Riser Distribution Pipeline

Pipeline Involved:
Pipe Material: Plastic
Depth Ground Cover: 0.8
Regulator Location: Outside

Regulator Type: Service Regulator (up to 60 psi intake)

Operation Pressure: 65

Liquid Prop Make:
Liquid Prop Model:
Liquid Prop Serial No:
Liquid Prop Notes:
Equipment Type:
Equipment Model:
Serial No:
Cylinder Capacity:

Cylinder Cap Units: Cylinder Mat Type: Near Body of Water:

1160D Beaverwood Drive, Manotick - 1 1/4" Pipeline Hit

35 3 of 8 ESE/208.3 88.9 / -4.64 1166 EASTMAN AVENUE, MANOTICK ON

 Incident ID:
 2682946

 Incident No:
 526546

Incident Reported Dt:

Type: FS-Pipeline Incident
Status Code: FS-Pipeline Damage Reason Est

Tank Status: RC Established

Pipe Material: Plastic Fuel Category: Natural Gas

Health Impact: No
Environment Impact: No
Property Damage: Yes
Service Interrupt: Yes

1.25" main.

 Task No:
 3217659
 Enforce Policy:
 Yes

 Spills Action Centre:
 N/A
 Public Relation:
 No

Fuel Type:Natural GasPipeline System:Transmission pipelineFuel Occurrence Tp:Pipeline StrikePSIG:53

Fuel Occurrence Tp:Pipeline StrikePSIG:53Date of Occurrence:1/13/2011 0:00Attribute Category:FS-Perform P-line Inc Invest

Occurrence Start Dt:2011/06/13Regulator Location:OutsideDepth:37Method Details:E-mail

Customer Acct Name:

Incident Address:

Operation Type:Construction Site (pipeline strike)Pipeline Type:Service / Riser Distribution PipelineRegulator Type:Service Regulator (up to 60 psi intake)

Summary: 1166 EASTMAN AVENUE, MANOTICK - 1" PIPELINE HIT

Reported By: JEFF STILES - ENBRIDGE OTTAWA

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

Occurrence Desc: sewer work

Damage Reason: Excavation practices not sufficient

Notes: Outside Dig Area

35 4 of 8 ESE/208.3 88.9 / -4.64 MANOTICK HARDWARE LIMITED

1166 BEAVERWOOD RD, PO BOX 970

PES

PES

Order No: 22020800656

Detail Licence No: Licence No: Status:

Approval Date: Report Source: Licence Type:

Vendor

Licence Type Code:
Licence Class:
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:

Region:
District:
County:
Trade Name:
PDF Link:

PDF Site Location:

MANOTICK ON K4M 1A8

Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext:

Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

35 5 of 8 ESE/208.3 88.9 / -4.64

2485368 ONTARIO INC O/A MANOTICK HOME

HARDWARE

1166 BEAVERWOOD RD MANOTICK ON K4M1A8

Detail Licence No:

Licence No: 17755 Status:

Approval Date:

Report Source: Legacy Licenses (Excluding TS)

Licence Type: Limited Vendor

Licence Type Code: 23
Licence Class: 01
Licence Control:

Latitude: Longitude: Lot: Concession: Region: Operator Box: Operator Class: Operator No: Operator Type:

 Oper Area Code:
 613

 Oper Phone No:
 6923591

Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) (m) District: **MOE District:** County: SWP Area Name: Trade Name: PDF Link: PDF Site Location: 35 6 of 8 ESE/208.3 88.9 / -4.64 1799598 ONTARIO LIMITED O/A MANOTICK **PES HOME HARDWARE** 1166 BEAVERWOOD RD, PO BOX 970 **MANOTICK ON K4M1A8** Detail Licence No: Operator Box: Licence No: 05505 Operator Class: Status: Operator No: Approval Date: Operator Type: Report Source: Legacy Licenses (Excluding TS) Oper Area Code: 613 Limited Vendor 6923591 Licence Type: Oper Phone No: Licence Type Code: Operator Ext: 23 Licence Class: 01 Operator Lot: Licence Control: 0 Oper Concession: Latitude: Operator Region: 4 2 Longitude: Operator District: Lot: Operator County: 15 Concession: Op Municipality: 4 Post Office Box: Region: District: 2 **MOE District:** 15 SWP Area Name: County: Trade Name: PDF Link: PDF Site Location: 88.9 / -4.64 35 7 of 8 ESE/208.3 1799598 ONTARIO LIMITED O/A MANOTICK **PES** HOME HARDWARE 1166 BEAVERWOOD RD, PO BOX 970 **MANOTICK ON K4M1A8** Detail Licence No: Operator Box: 05505 Operator Class: Licence No: Status: Operator No: Approval Date: Operator Type: Legacy Licenses (Excluding TS) Oper Area Code: 613 Report Source: Licence Type: Retail Vendor Class 03 Oper Phone No: 6923591 Licence Type Code: 21 Operator Ext: 03 Licence Class: Operator Lot: Licence Control: Oper Concession: Latitude: Operator Region: Longitude: Operator District: Lot: Operator County: Concession: Op Municipality: Region: Post Office Box: District: **MOE District:** SWP Area Name: County: Trade Name: PDF Link:

35 8 of 8 ESE/208.3

2485368 ONTARIO INC. 1166 Beaverwood RD Manotick ON K4M 1A8

PES

Order No: 22020800656

88.9 / -4.64

PDF Site Location:

Elev/Diff Site DΒ Map Key Number of Direction/

Records Distance (m) (m)

Detail Licence No: Operator Box: Licence No: L-232-1110378933 Operator Class: Status: Active Operator No: 2020-11-03 Approval Date: Operator Type:

Report Source: **PEST-Limited Vendor** Oper Area Code: Limited Vendor Oper Phone No: Licence Type: Licence Type Code: Operator Ext: Licence Class: Operator Lot:

Licence Control: Oper Concession: Latitude: 45.22305556 Operator Region: -75.68444444 Longitude: Operator District: Lot: **Operator County:** Concession: Op Municipality: Region: Post Office Box:

District: **MOE District:** Ottawa County: SWP Area Name: Rideau Valley

Trade Name:

PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2300080

PDF Site Location:

36 1 of 1 ENE/209.4 89.2 / -4.34 **SERVICE STATION**

5549 ANN ST., MANOTICK (N.O.S.)

SPL

WWIS

Order No: 22020800656

OSGOODE TOWNSHIP ON

80133 Ref No: Discharger Report: Site No: Material Group:

Incident Dt: // Health/Env Conseq: Year: Client Type: Incident Cause: UNDERGROUND TANK LEAK Sector Type: Agency Involved: Incident Event:

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: CONFIRMED Site Municipality: 20610

Soil contamination Nature of Impact: Site Lot: Receiving Medium: LAND Site Conc: Receiving Env: Northing: MOE Response: Easting:

UNKNOWN

Dt MOE Arvl on Scn: Site Geo Ref Accu: **MOE** Reported Dt: 12/21/1992 Site Map Datum: Dt Document Closed: SAC Action Class:

Incident Reason: Site Name:

Site County/District: Site Geo Ref Meth:

Incident Summary: LINDSAY MCCAFFREY GENERAL MERCHANTS- CONTAMINATED SOIL DISCOVERED FUEL TANK

Source Type:

Contaminant Qty:

37 1 of 1 NE/217.6 88.7 / -4.84 lot 2 ON

> 1510183 Data Entry Status:

Construction Date: Data Src:

9/19/1969 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: TRUE

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

3644 Casing Material: Form Version: Audit No: Owner: Tag: Street Name:

Well ID:

Construction Method: County: OTTAWA

Elevation (m): Municipality: NORTH GOWER TOWNSHIP

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

Depth to Bedrock:Lot:003Well Depth:Concession:

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

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

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510183.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1969/08/28

 Year Completed:
 1969

 Depth (m):
 30.7848

 Latitude:
 45.2251633289387

 Longitude:
 -75.6851605320199

 Path:
 151\1510183.pdf

Bore Hole Information

Bore Hole ID: 10032211 Elevation:
DP2BR: Elevrc:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 446210.80

 Code OB Desc:
 North83:
 5008192.00

Open Hole: Org CS: Cluster Kind: UTMRC:

 Date Completed:
 28-Aug-1969 00:00:00
 UTMRC Desc:
 margin of error : 30 m - 100 m

Order No: 22020800656

Remarks: Location Method: Elevro Desc:

Location Source Date: Improvement Location Source: Improvement Location Method:

Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

 Formation ID:
 931014130

 Layer:
 2

Color: 6
General Color: BROWN

Mat1: 09
Most Common Material: MEDIUM SAND

Mat2:

Mat2 Desc: STONES Mat3:

Mat3 Desc:

Formation Top Depth: 21.0
Formation End Depth: 48.0
Formation End Depth UOM: ft

<u>Overburden and Bedrock</u> <u>Materials Interval</u>

Formation ID: 931014131

Layer: 3 Color: 2 **GREY** General Color: Mat1: 14 Most Common Material: **HARDPAN**

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 48.0 55.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931014129

Layer:

Color: 6

General Color: **BROWN** Mat1: 05 Most Common Material: CLAY Mat2: 13 **BOULDERS** Mat2 Desc:

Mat3: Mat3 Desc:

0.0 Formation Top Depth: Formation End Depth: 21.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931014132 Formation ID:

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

Most Common Material: LIMESTONE Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 55.0 Formation End Depth: 101.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961510183

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10580781

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930057029

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 101.0

Casing Diameter:

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930057028

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

Depth To: 58.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991510183

Pump Set At:Static Level:50.0Final Level After Pumping:65.0Recommended Pump Depth:80.0Pumping Rate:10.0

Flowing Rate:

 Recommended Pump Rate:
 10.0

 Levels UOM:
 ft

 Rate UOM:
 GPM

 Water State After Test Code:
 1

 Water State After Test:
 CLEAR

Water State After Test: CLE
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934378990

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 60.0

ft

Test Level: Test Level UOM:

Draw Down & Recovery

 Pump Test Detail ID:
 934896930

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 65.0

Test Level: Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934096811

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 55.0

 Test Level UOM:
 ft

Draw Down & Recovery

Water Found Depth UOM:

 Pump Test Detail ID:
 934640010

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 65.0

Test Level: 65
Test Level UOM: ft

Water Details

Elevation (m):

Clear/Cloudy:

 Water ID:
 933465124

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 100.0

38 1 of 1 WNW/218.4 99.1 / 5.56 lot 2 con A ON WWIS

Municipality:

OTTAWA

NORTH GOWER TOWNSHIP

Order No: 22020800656

Well ID: 1511479 Data Entry Status:

ft

Construction Date: Data Src:

Primary Water Use:DomesticDate Received:10/20/1971Sec. Water Use:0Selected Flag:TRUE

Final Well Status: Water Supply

Abandonment Rec:

Water Type:

1558

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

Tag: Owner:
Construction Method: County:

Elevation Reliability:

Depth to Bedrock:

Well Depth:

Concession:

A

Well Depth:

Overburden/Bedrock:

Pump Rate:

Concession:

Concession Name:

CON

Easting NAD83:

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

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511479.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1971/09/02

 Year Completed:
 1971

 Depth (m):
 27.1272

 Latitude:
 45.2242371748348

 Longitude:
 -75.6894802174886

 Path:
 151\1511479.pdf

Bore Hole Information

Bore Hole ID: 10033473 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

UTMRC Desc:

Location Method:

margin of error: 30 m - 100 m

Order No: 22020800656

 Code OB:
 East83:
 445870.80

 Code OB Desc:
 North83:
 5008092.00

 Code OB Desc:
 North83:
 5008092.0

 Open Hole:
 Org CS:

 Cluster Kind:
 UTMRC:
 4

Date Completed: 02-Sep-1971 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

 Formation ID:
 931017839

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 14

 Most Common Material:
 HARDPAN

Mat2: 13
Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 18.0 Formation End Depth: 34.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931017840

 Layer:
 3

 Color:
 2

 General Color:
 GREY

Mat1:15Most Common Material:LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 34.0 Formation End Depth: 89.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931017838

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 09

Most Common Material: MEDIUM SAND

 Mat2:
 05

 Mat2 Desc:
 CLAY

Mat3:

Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 18.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961511479
Method Construction Code: 1
Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10582043

 Casing No:
 1

 Comment:
 1

Alt Name:

Construction Record - Casing

 Casing ID:
 930059447

 Layer:
 2

Layer: 2 Material: 2

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:89.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

 Casing ID:
 930059446

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

Depth From:
Depth To: 36.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991511479

Pump Set At:
Static Level: 18.0
Final Level After Pumping: 70.0
Recommended Pump Depth: 70.0
Pumping Rate: 8.0

Flowing Rate:

Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY

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

Draw Down & Recovery

Pump Test Detail ID: 934643982 Test Type: Draw Down Test Duration: 45 70.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934383377 Test Type: Draw Down Test Duration: 30 Test Level: 70.0 Test Level UOM: ft

Draw Down & Recovery

934901319 Pump Test Detail ID: Test Type: Draw Down Test Duration: 60 Test Level: 70.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934098140 Draw Down Test Type: Test Duration: 15 Test Level: 70.0 Test Level UOM: ft

Water Details

Water ID: 933466638 Layer:

Kind Code: **FRESH** Kind: Water Found Depth: 62.0 Water Found Depth UOM:

Water Details

Water ID: 933466639 Layer: Kind Code: Kind: **FRESH** Water Found Depth: 86.0 Water Found Depth UOM: ft

2007 Year:

1 of 3

Site Name: Facility Owner:

39

Municipal Private Sewage Discharge Type: Sewage Municipal Sector:

District Area: Ottawa

C of A/Permit Non-Compliance Type of Concern:

Contaminant: **AMMONIA**

Status Report:

City of Ottawa - Village Walk STP 65 Village Walk Pvt

NCPL

Order No: 22020800656

Ottawa ON

ESE/225.3

89.7 / -3.78

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m)

(m)

Details

Incident Date: 10/19/2007 Exceedance Start Date: 10/19/2007 Exceedance End Date: 10/23/2007 Limit/Unit/Frea: 1 mg/L 1.33/4.33 Quantity Min/Max:

Facility Action: Action Plan Submitted - Implementing Improvements

Ministry Action: Voluntary Abatement Program Underway

ESE/225.3 89.7 / -3.78 City of Ottawa - Village Walk STP 39 2 of 3 **NCPL**

65 Village Walk Pvt

Ottawa ON

Year: 2007

Site Name: Facility Owner:

Municipal Private Sewage Discharge Type: Sector: Sewage Municipal

District Area: Ottawa

Type of Concern: C of A/Permit Non-Compliance

PHOSPHORUS Contaminant:

Status Report:

Details

Incident Date: 12/31/2007 Exceedance Start Date: 12/1/2007 Exceedance End Date: 12/31/2007 0.04 mg/L Limit/Unit/Freq: Quantity Min/Max: 0.062/0.062

Action Plan Submitted - Implementing Improvements Facility Action:

Ministry Action: Voluntary Abatement Program Underway

ESE/225.3 39 3 of 3 89.7 / -3.78 City of Ottawa - Village Walk Sewage Treatment

Plant

65 Village Walk Pvt Ottawa ON

NCPL

Order No: 22020800656

2008 Year:

Site Name:

Facility Owner: Discharge Type:

Private Sewage Sector: Municipal Sewage

Ottawa District Area:

CofA/Permit Non-Compliance Type of Concern:

PHOSPHORUS Contaminant:

Status Report:

Details

Incident Date: 2/29/2008 1/1/2008 Exceedance Start Date: Exceedance End Date: 2/29/2008 0.04 mg/L Limit/Unit/Freq: Quantity Min/Max: 0.1/0.1

Facility Action: Action Plan Submitted - Implementing Improvements, Equipment Modified, Repaired, Replaced or Re-calibrated &

Operational Process Modification

Assessment Complete - Incident Resolved & Other Abatement Action Taken **Ministry Action:**

40 1 of 1 W/227.1 95.8 / 2.31 lot 2 con A ON WWIS

Well ID: 1512038

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:

PDF URL (Map):

Additional Detail(s) (Map)

 Well Completed Date:
 1972/08/18

 Year Completed:
 1972

 Depth (m):
 47.5488

 Latitude:
 45.2234255539418

 Longitude:
 -75.6897251564449

Path:

Bore Hole Information

Bore Hole ID: 10034032

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

Date Completed: 18-Aug-1972 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931019449

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

Mat1:14Most Common Material:HARDPAN

Mat2: 11

Data Entry Status:

Data Src: 1

Date Received: 10/4/1972 Selected Flag: TRUE Abandonment Rec:

Contractor: 1558 Form Version: 1

Owner: Street Name:

County: OTTAWA

Municipality: NORTH GOWER TOWNSHIP

Site Info:

 Lot:
 002

 Concession:
 A

 Concession Name:
 CON

Easting NAD83: Northing NAD83: Zone: UTM Reliability:

Elevation: Elevrc:

Zone: 18 **East83:** 445850.80 **North83:** 5008002.00

Org CS:

UTMRC:

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

Order No: 22020800656

Location Method:

 Mat2 Desc:
 GRAVEL

 Mat3:
 13

 Mat3 Desc:
 BOULDERS

 Formation Top Depth:
 0.0

 Formation End Depth:
 48.0

 Formation End Depth UOM:
 ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931019450

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 48.0
Formation End Depth: 156.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961512038

Method Construction Code:

Method Construction: Air Percussion Other Method Construction:

Pipe Information

 Pipe ID:
 10582602

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930060405

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:
Depth To: 156.0
Casing Diameter: 6.0

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

Construction Record - Casing

Casing ID: 930060404

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

Depth From:

Depth To: 52.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991512038

Pump Set At:

Static Level: 50.0 Final Level After Pumping: 80.0 Recommended Pump Depth: 90.0 Pumping Rate: 10.0 Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: ft GPM Rate UOM: Water State After Test Code:

Water State After Test Code.

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

O
Flowing:
No

Draw Down & Recovery

 Pump Test Detail ID:
 934646183

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 80.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934894758

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 80.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934384610

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 80.0

 Test Level UOM:
 ft

Draw Down & Recovery

Water Found Depth UOM:

 Pump Test Detail ID:
 934098674

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 80.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933467355

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 155.0

Order No: 22020800656

ft

41 1 of 1 ENE/228.0 89.4 / -4.09 lot 2 WWIS

Well ID: 1506448

Construction Date:
Primary Water Use: Industrial

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

Water Type: Casing Material: Audit No:

Audit No: Tag:

Construction Method:

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

Overburden/Bedrock:

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

Data Src:

Date Received: 11/14/1961
Selected Flag: TRUE

Abandonment Rec:

Contractor: 3601 Form Version: 1

Owner: Street Name:

County: OTTAWA

Municipality: NORTH GOWER TOWNSHIP

Site Info:

Lot: 002

Concession:

Concession Name: BF

Easting NAD83: Northing NAD83: Zone: UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506448.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1961/09/08

 Year Completed:
 1961

 Depth (m):
 15.24

 Latitude:
 45.2248967382306

 Longitude:
 -75.6845841272441

 Path:
 150\1506448.pdf

Bore Hole Information

Bore Hole ID: 10028484

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

Cluster Kind:

Date Completed: 08-Sep-1961 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

 Formation ID:
 931004553

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Elevation: Elevro:

Zone: 18 **East83:** 446255.80 **North83:** 5008162.00

Org CS:

UTMRC:

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

Order No: 22020800656

Location Method: p5

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 14.0 50.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock **Materials Interval**

Formation ID: 931004552

Layer:

Color:

General Color:

05 Mat1: Most Common Material: CLAY Mat2: 02 **TOPSOIL** Mat2 Desc:

Mat3: Mat3 Desc:

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

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961506448

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10577054

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930049710 2

Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From: Depth To: 50.0 Casing Diameter: 4.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930049709

Layer: Material: Open Hole or Material: STEEL

Depth From:

Depth To: 16.0 Casing Diameter: 4.0 Casing Diameter UOM: inch

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

Casing Depth UOM:

Results of Well Yield Testing

Pump Test ID: 991506448

ft

Pump Set At: Static Level:

8.0 Final Level After Pumping: 18.0 Recommended Pump Depth: 30.0 Pumping Rate: 4.0

Flowing Rate:

Recommended Pump Rate: 4.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method:

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

Water Details

933460597 Water ID: Layer: Kind Code: **FRESH** Kind:

Water Found Depth: 50.0 Water Found Depth UOM: ft

1 of 1 NNE/234.9 86.9 / -6.61 42 lot 1 **WWIS** ON

OTTAWA

Order No: 22020800656

Well ID: 1506447 Data Entry Status:

Construction Date: Data Src:

12/6/1960 Primary Water Use: Commerical Date Received: Sec. Water Use: Selected Flag: TRUE

Final Well Status: Water Supply Abandonment Rec: Contractor:

Water Type: 4216 Casing Material: Form Version: Audit No: Owner:

Tag: Street Name: Construction Method: County:

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

Depth to Bedrock: Lot: 001 Well Depth: Concession: ΒF Concession Name:

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

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

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506447.pdf PDF URL (Map):

Additional Detail(s) (Map)

1960/11/05 Well Completed Date: Year Completed: 1960 Depth (m): 38.1

Latitude: 45.225696118769

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

Longitude: -75.6863770431013 Path: 150\1506447.pdf

Bore Hole Information

Bore Hole ID: 10028483 Elevation:

DP2BR: Elevrc: Spatial Status: 18 Zone: Code OB: East83: 446115.80 Code OB Desc: North83: 5008252.00

Open Hole: Org CS: Cluster Kind:

UTMRC: 05-Nov-1960 00:00:00 UTMRC Desc: margin of error: 100 m - 300 m Date Completed:

Remarks: Location Method: Elevrc Desc:

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

Overburden and Bedrock **Materials Interval**

Formation ID: 931004550

Layer:

Color: General Color:

Mat1:

Most Common Material: PREVIOUSLY DUG

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 94.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931004551

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

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

94.0 Formation Top Depth: Formation End Depth: 125.0 ft

Formation End Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961506447 **Method Construction Code:**

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10577053

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930049708

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 125.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930049707

Layer:

Material:

Open Hole or Material:

Depth From:

Depth To: 94.0

Casing Diameter:

Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506447

Pump Set At:

Static Level: 20.0 Final Level After Pumping: 24.0

Recommended Pump Depth:

Pumping Rate: 10.0

Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft

Rate UOM:

Water State After Test Code:

Water State After Test:

CLEAR

Pumping Test Method:

Pumping Duration HR:

Pumping Duration MIN:

O

Flowing:

No

Water Details

Water ID: 933460596

Layer: 1
Kind Code: 1

Water Found Depth: 105.0

Water Found Depth UOM: ft

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

43 1 of 1 NE/235.8 89.6 / -3.92 5536 Manotick Main Street
Manotick ON K4M

EHS

Order No:20180816167Nearest Intersection:Status:CMunicipality:

Report Type:RSC Report (Rural)Client Prov/State:ONReport Date:23-AUG-18Search Radius (km):.3

 Date Received:
 16-AUG-18
 X:
 -75.685172

 Previous Site Name:
 Y:
 45.225371

 Lot/Building Size:
 45.225371

Additional Info Ordered: Fire Insur. Maps and/or Site Plans; Title Searches; City Directory; Aerial Photos

44 1 of 1 ENE/236.6 89.9 / -3.64 lot 2 con A WWIS

Well ID: 1516364 Data Entry Status:

Construction Date: Data Src.

Primary Water Use:MunicipalDate Received:1/19/1978Sec. Water Use:0Selected Flag:TRUE

Final Well Status:Water SupplyAbandonment Rec:Water Type:Contractor:3504

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

Construction Method: County: OTTAWA

Elevation (m): Municipality: NORTH GOWER TOWNSHIP

Elevation Reliability:Site Info:Depth to Bedrock:Lot:002Well Depth:Concession:A

 Overburden/Bedrock:
 Concession:
 A

 CON
 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\1516364.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1977/10/05

 Year Completed:
 1977

 Depth (m):
 36.576

 Latitude:
 45.22453937238

 Longitude:
 -75.6841340167146

 Path:
 151\1516364.pdf

Bore Hole Information

 Bore Hole ID:
 10038291
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 446290.80

 Code OB Desc:
 North83:
 5008122.00

 Open Hole:
 Org CS:

Cluster Kind: UTMRC:

 Date Completed:
 05-Oct-1977 00:00:00
 UTMRC Desc:
 margin of error : 100 m - 300 m

Order No: 22020800656

Remarks: Location Method: p

Location Source Date:

Improvement Location Source: Improvement Location Method:

Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931031918

Layer:

Color:

General Color:

Mat1: 11
Most Common Material: GRAVEL

Mat2:13Mat2 Desc:BOULDERS

Mat3:

Mat3 Desc:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931031919

Layer: 2

Color:

General Color:

Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 25.0 Formation End Depth: 120.0

Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961516364

Method Construction Code: 4

Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

Pipe ID: 10586861

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930067331

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

Depth From:

Depth To: 31.0 **Casing Diameter:** 6.0

Casing Diameter: 6.0
Casing Diameter UOM: inch

Casing Depth UOM:

Results of Well Yield Testing

Pump Test ID: 991516364

ft

Pump Set At: Static Level:

Static Level:25.0Final Level After Pumping:115.0Recommended Pump Depth:50.0Pumping Rate:10.0Flowing Rate:

Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934380328

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 25.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934641419

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 25.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934899321

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 25.0

 Test Level UOM:
 ft

Water Details

Water ID: 933472666

Layer: 1 Kind Code: 5

Kind: Not stated
Water Found Depth: 95.0
Water Found Depth UOM: ft

Water Details

 Water ID:
 933472667

 Layer:
 2

 Kind Code:
 1

Kind: FRESH Water Found Depth: 120.0

Water Found Depth UOM: ft

45 1 of 1 ENE/245.5 89.9 / -3.64 5549 Ann St EHS

Order No: 20150303033 Nearest Intersection:

Status: C

Report Type: RSC Report (Urban)
Report Date: 09-MAR-15
Date Received: 03-MAR-15

Previous Site Name:

Lot/Building Size: 0.11 acres

Additional Info Ordered: Title Searches

Municipality: Ottawa
Client Prov/State: ON
Search Radius (km): .3

Ottawa ON K4M1L6

X: -75.684101 **Y:** 45.224669

46 1 of 1 ENE/245.8 89.8 / -3.74 5544 Main Street

Manotick ON

EHS

Order No: 20101006021

Status: C

Report Type: Custom Report Report Date: 10/14/2010

Date Received: 10/6/2010 1:55:22 PM

Previous Site Name: Lot/Building Size: Additional Info Ordered: Nearest Intersection: Municipality:

Client Prov/State: ON Search Radius (km): 0.25

X: -75.684402 **Y**: 45.224954

Order No: 22020800656

47 1 of 1 NW/249.8 94.6 / 1.12 lot 2 con A ON WWIS

Well ID: 1514236 Data Entry Status:

Construction Date: Data Src:

Primary Water Use:DomesticDate Received:8/22/1974Sec. Water Use:0Selected Flag:TRUE

Final Well Status:Water SupplyAbandonment Rec:Water Type:Contractor:1558Casing 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:
 002

 Well Depth:
 Concession:
 A

 Contraction Manual
 CONTRACTION Manual
 CONTRACTION Manual

 Overburden/Bedrock:
 Concession.
 A

 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\1514236.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1974/07/19

 Year Completed:
 1974

 Depth (m):
 54.864

 Latitude:
 45.2256126131503

 Longitude:
 -75.6882867362089

 Path:
 151\1514236.pdf

Elevation:

18

445965.80

5008244.00

margin of error: 30 m - 100 m

Order No: 22020800656

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

Bore Hole Information

Bore Hole ID: 10036213

DP2BR: Spatial Status: Code OB: Code OB Desc:

Open Hole: Cluster Kind:

Date Completed: 19-Jul-1974 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

931025682 Formation ID: Layer: 3 Color: 8 General Color: **BLACK**

Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 58.0 Formation End Depth: 135.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931025681 Formation ID: Layer: 2 Color: 2 General Color: **GREY** Mat1: 14 **HARDPAN** Most Common Material:

Mat2: 13

Mat2 Desc: **BOULDERS**

Mat3:

Mat3 Desc:

Formation Top Depth: 20.0 58.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931025680

Layer: 1

Color: 6 **BROWN** General Color: 28 Mat1. Most Common Material: SAND Mat2: 13

Mat2 Desc: BOULDERS

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: 931025683

 Layer:
 4

 Color:
 1

 General Color:
 WHITE

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 135.0 Formation End Depth: 180.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961514236

Method Construction Code:

Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

Pipe ID: 10584783

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 930063975

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 180.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930063974

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

Depth From:

Depth To:60.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991514236

Pump Set At:

Static Level: 20.0
Final Level After Pumping: 50.0
Recommended Pump Depth: 65.0
Pumping Rate: 20.0
Flowing Rate:

Recommended Pump Rate: 5.0 Levels UOM: ft GPM Rate UOM: Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: Pumping Duration HR: 1 0 **Pumping Duration MIN:** No Flowing:

Draw Down & Recovery

 Pump Test Detail ID:
 934900330

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 50.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934642444

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 50.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934381870

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 50.0

 Test Level UOM:
 ft

Draw Down & Recovery

Water Found Depth UOM:

 Pump Test Detail ID:
 934099126

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 50.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933470067

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 178.0

Order No: 22020800656

ft

Unplottable Summary

Total: 8 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 1 Con A	Rideau ON	
AAGR		Lot 1/2 Con A	Rideau ON	
CA	898653 ONTARIO LIMITED	LOT 1/CONC.A,BROOKSIDE EST.SWM	RIDEAU TWP. ON	
CA	LEIMERK FARMS LTD. C/O MR. LEON GLUZMAN	ROW EASEMENT JOHN STREET	RIDEAU TWP. ON	
PES	MANOTICK HARDWARE LIMITED		MANOTICK ON	
PES	MANOTICK HARDWARE LIMITED		MANOTICK ON	K0A2N0
PES	MANOTICK HARDWARE LIMITED		MANOTICK ON	K0A 2N0
WWIS		lot 1	ON	

Unplottable Report

Site: Database: **AAGR** Lot 1 Con A Rideau ON

Pit

Type: Region/County: Ottawa-Carleton

Township: Rideau Concession: Α Lot: 1 Size (ha): 1.1

Landuse: Comments:

Site: Database: **AAGR** Lot 1/2 Con A Rideau ON

Type:

Region/County: Ottawa-Carleton

Township: Rideau Concession: Α 1/2 Lot: Size (ha): 4.4

Landuse: Comments:

Site: 898653 ONTARIO LIMITED Database: CA LOT 1/CONC.A,BROOKSIDE EST.SWM RIDEAU TWP. ON

3-0920-93-Certificate #: Application Year: 93 9/10/1993 Issue Date: Approval Type: Municipal sewage Approved

Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: **Project Description:** Contaminants: **Emission Control:**

Site: LEIMERK FARMS LTD. C/O MR. LEON GLUZMAN Database: ROW EASEMENT JOHN STREET RIDEAU TWP. ON

Order No: 22020800656

Certificate #: 3-1194-87-Application Year: 87 8/21/1987 Issue Date: Municipal sewage Approval Type: Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: **Project Description:** Contaminants:

MANOTICK HARDWARE LIMITED Site:

MANOTICK ON

Database: **PES**

Database: **PES**

Detail Licence No: Licence No: Status: Approval Date: Report Source:

Licence Type: Vendor

Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County:

Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: **Operator County:** Op Municipality: Post Office Box: **MOE District:** SWP Area Name:

Operator Box:

Operator Class: Operator No:

Operator Type: Oper Area Code:

Operator Box:

PDF Site Location:

Trade Name: PDF Link:

MANOTICK HARDWARE LIMITED Site: **MANOTICK ON KOA2NO**

970

970

4

2

15

Detail Licence No: Licence No: Status: Approval Date: Report Source:

Limited Vendor Licence Type:

Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name:

PDF Link: PDF Site Location:

Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: **Operator County:** Op Municipality: Post Office Box: MOE District: SWP Area Name:

MANOTICK HARDWARE LIMITED Site: **MANOTICK ON KOA 2NO**

Database: PES

Detail Licence No: Licence No:

23-01-05505-0

4

05505

Status: Approval Date:

Report Source: Licence Type:

Licence Type Code: 23 Licence Class: 01 Licence Control: 0 Latitude:

Longitude: Lot: Concession: Region:

Limited Vendor

Operator Region: Operator District: Operator County: Op Municipality:

Post Office Box:

Operator Box: Operator Class:

Operator No:

Operator Type:

Oper Area Code:

Oper Phone No:

Oper Concession:

Operator Ext:

Operator Lot:

District: 15 County:

Trade Name: PDF Link:

PDF Site Location:

MOE District: SWP Area Name:

Contractor:

Owner:

County:

Site Info:

Lot:

Form Version:

Street Name:

Municipality:

Concession:

Concession Name:

Easting NAD83:

Northing NAD83:

3644

OTTAWA

OTTAWA CITY

1

001

Site: Database: lot 1 ON **WWIS**

Well ID: 1518217 Data Entry Status:

Construction Date: Data Src:

5/6/1983 Primary Water Use: Domestic Date Received: TRUE Sec. Water Use: Livestock Selected Flag: Final Well Status: Water Supply Abandonment Rec:

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):

Zone: UTM Reliability: Flow Rate: Clear/Cloudy:

Bore Hole Information

10040087 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83:

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

Date Completed: 21-Mar-1983 00:00:00 UTMRC Desc: unknown UTM Location Method: Remarks: na

Elevrc Desc:

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

Supplier Comment:

Location Source Date:

Overburden and Bedrock **Materials Interval**

931037740 Formation ID:

Layer: 2 Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 13

BOULDERS Mat2 Desc: Mat3: 14 HARDPAN Mat3 Desc: Formation Top Depth: 15.0 Formation End Depth: 35.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931037741

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 13

Most Common Material: BOULDERS

Mat2: 14

Mat2 Desc: HARDPAN

Mat3:

Mat3 Desc:

Formation Top Depth: 35.0 Formation End Depth: 52.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931037742

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 52.0
Formation End Depth: 167.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931037739

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

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

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961518217

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10588657

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930069992

Layer:

Material:

Open Hole or Material:

Depth From:

Depth To: 53.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930069993

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 167.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991518217

Pump Set At:

Static Level: 25.0
Final Level After Pumping: 60.0
Recommended Pump Depth: 90.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM

Water State After Test Code: Water State After Test:

Pumping Test Method:2Pumping Duration HR:2Pumping Duration MIN:0Flowing:No

Draw Down & Recovery

Pump Test Detail ID: 934639345

Test Type:

 Test Duration:
 45

 Test Level:
 60.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934897806

Test Type:

 Test Duration:
 60

 Test Level:
 60.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934103534

Test Type:

 Test Duration:
 15

 Test Level:
 60.0

 Test Level UOM:
 ft

Order No: 22020800656

Draw Down & Recovery

Pump Test Detail ID: 934378286

Test Type:

 Test Duration:
 30

 Test Level:
 60.0

 Test Level UOM:
 ft

Water Details

Water ID: 933474886

Layer: 2 **Kind Code:** 5

Kind: Not stated
Water Found Depth: 148.0
Water Found Depth UOM: ft

Water Details

Water ID: 933474885

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 80.0

 Water Found Depth UOM:
 ft

Water Details

Water ID: 933474887

Layer: 3 Kind Code: 5

Kind: Not stated
Water Found Depth: 162.0
Water Found Depth UOM: ft

Order No: 22020800656

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

AGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Nov 2021

Abandoned Mine Information System:

Provincial

AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites:

Private

ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

AUWR

Order No: 22020800656

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

Government Publication Date: 1999-Sep 30, 2021

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2019

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Chemical Manufacturers and Distributors:

Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

<u>Chemical Register:</u> Private CHM

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

Government Publication Date: 1999-Sep 30, 2021

Compressed Natural Gas Stations:

Private CNC

COAL

Order No: 22020800656

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

Government Publication Date: Dec 2012 -Nov 2021

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

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

Government Publication Date: 1989-Jul 2021

Certificates of Property Use: 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 - Dec 31, 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: May 31, 2021

Environmental Activity and Sector Registry:

Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011- Dec 31, 2021

Environmental Registry:

Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994 - Dec 31, 2021

Environmental Compliance Approval:

Provincial F

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- Dec 31, 2021

Environmental Effects Monitoring:

Federal

EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Nov 30, 2021

Environmental Issues Inventory System:

Federal

EIIS

Order No: 22020800656

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:

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

Provincial

EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2020

List of Expired Fuels Safety Facilities:

Provincial

EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2020

Federal Convictions: Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

ECS.

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

Government Publication Date: Jun 2000-Nov 2021

Fisheries & Oceans Fuel Tanks:

Federal

FOFT

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal

FRST

Order No: 22020800656

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

For Formical FST Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are

not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Fuel Storage Tank - Historic:

Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

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

Government Publication Date: 1986-Nov 30, 2021

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

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

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents:

Provincial HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

NC

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

Government Publication Date: May 31, 2021

Landfill Inventory Management Ontario:

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

Canadian Mine Locations:

Private

MINE

Order No: 22020800656

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-Jun 30, 2021

National Energy Board Wells:

Federal

NEBP

Order No: 22020800656

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

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

Federal

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Nov 30, 2021

Ontario Oil and Gas Wells:

Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Jan 2021

Inventory of PCB Storage Sites:

Provincial

OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders: Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Dec 31, 2021

<u>Canadian Pulp and Paper:</u>
Private PAP

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

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

Parks Canada Fuel Storage Tanks:

Federal

PCFT

Order No: 22020800656

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- Dec 31, 2021

Provincial PINC Provincial PINC

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

Government Publication Date: May 31, 2021

Private and Retail Fuel Storage Tanks:

Provincial

PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Dec 31, 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, 1992-2019

Record of Site Condition:

Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Dec 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-Sep 30, 2021

Scott's Manufacturing Directory:

Private

SCT

Order No: 22020800656

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-Sep 2020

Wastewater Discharger Registration Database:

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

Government Publication Date: 1990-Dec 31, 2018

Private Anderson's Storage Tanks: **TANK**

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal **TCFT**

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

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks:

Provincial VAR

Provincial

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

Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Waste Disposal Sites - MOE CA Inventory:

Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011- Dec 31, 2021

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial **WDSH**

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

WWIS

Order No: 22020800656

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Sep 30, 2021

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Order No: 22020800656

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 OA/OC 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