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Studies

Phase I - Environmental Site Assessment

2980, 3054, 3060 and 3080 Navan Road, and
6101 Renaud Road
Ottawa, Ontario

Prepared For

Caivan Communities

Paterson Group Inc.

Consulting Engineers
154 Colonnade Road South
Ottawa (Nepean), Ontario
Canada K2E 7J5

Tel: (613) 226-7381
Fax: (613) 226-6344
www.patersongroup.ca

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EXECUTIVE SUMMARY

Paterson Group was retained by Caivan Communities to conduct a Phase I – Environmental Site Assessment (Phase I ESA) of the properties located at 2980, 3054, 3060 and 3080 Navan Road, and 6101 Renaud Road, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical information reviewed, the Phase I Property was first developed with the existing residential dwelling addressed 3080 Navan Road in 1950, followed by the residence addressed 3054 Navan and a commercial building/repair garage addressed 3060 Navan Road in the early 1970s. Fill material of unknown quality was identified throughout the commercial portion of the Phase I Property, including 2980 Renaud Road.

Additionally, an ERIS search was conducted as part of this assessment. Based on the ERIS report, a portion of the Phase I Property (3060 Navan Road) had records of expired ASTs and waste generator records of hazardous waste (e.g. solvents, petroleum-based and light fuel wastes) associated with a heavy equipment repair garage.

A 2008 Phase II ESA report was provided for review as part of this Phase I ESA. The Phase III ESA was conducted in the vicinity of the 3 ASTs and the maintenance garage on site. Contaminated soil and groundwater were identified in the area of the garage while contaminated soil was inferred to be present in the areas of the ASTs. The presence of this these impacted media have been in corporate in our APECs 1 and 2.

Based on the past site operations on-site, four (4) PCAs were identified and considered to result in APECs on the Phase I Property (APECs 1 through 4).

Historical land use of the surrounding area consisted primarily of residential and agricultural lands with a commercial contractor's yard at 3000 Navan Road, which included three (3) former ASTs associated with a private fuel outlet. The ERIS report identified records that supported these operations at 3000 Navan Road as well as several waste generator records of hazardous waste associated with a repair garage. Based on the operations associated with this property, the former location of the ASTs was considered to represent an APEC on the Phase I Property.

Following the historical review, a site inspection was conducted on May 8, 2020. The Phase I Property is currently occupied by two (2) residential dwellings located on the eastern and northwestern portions of the subject land, as well as a commercial

office/garage style building. No additional PCAs that result in APECs were identified with respect to the current use of the Phase I Property

The surrounding land use consisted of residential with some commercial lands as well as agricultural lands. A private fuel station with 3 ASTS were noted at 3000 Navan Road. No PCAs aside from the previously discussed ASTs and service garage were identified with respect to the current use of the surrounding lands.

Recommendations

Based on the results of this assessment, it is our opinion that **a Phase II - Environmental Site Assessment is required for the property.**

Based on the ages of the subject buildings, asbestos containing materials (ACMs) may be present within these structures. Potential ACMs identified include drywall joint compound, vinyl floor tiles and plaster. This material was noted to be in good condition at the time of our inspection and does not represent an immediate concern. An asbestos survey of the building should be conducted in accordance with Ontario Regulation 278/05, under the Occupational Health and Safety Act, prior to demolition or renovation, if one has not already been conducted.

Lead-based paint may be present on any remaining original surfaces within the building. It is recommended that paint be tested for lead content prior to its disturbance. Major work involving lead-based paint or other lead containing products must be done in accordance with Ontario Regulation 843, under the Occupational Health and Safety Act.

It is our understanding that the subject buildings will be demolished in conjunction with future redevelopment. Prior to any demolition activities, a designated substance survey (DSS) must be conducted for the existing structure, in accordance with Ontario Regulation 490/09 under the Occupational Health and Safety Act.

1.0 INTRODUCTION

At the request of Caivan Communities, Paterson Group (Paterson) conducted a Phase I - Environmental Site Assessment (Phase I ESA) for properties located at 3054, 3060 and 3080 Navan Road, and 6101 Renaud Road, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the Phase I Property and study area as well as 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. Hugo Lalonde of Caivan Communities. The head office of Caivan Communities is located at 2934 Baseline Road, Suite 302, Ottawa, Ontario. Mr. Lalonde can be reached by telephone at 613-295-5082.

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 in general accordance with the requirements of Ontario Regulation 153/04, as amended, under the Environmental Protection Act, and also complies with the requirements of CSA Z768-01. 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, as well as 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: 2980, 3054, 3060 and 3080 Navan Road and 6101 Renaud Road, in Ottawa Ontario.

Location: The Phase I Property is located on the west side of Page Street with the northern and southern property line bounded by 2980, 3054, 3060 and 3080 Navan Road, and 6101 Renaud Road, respectively, in the City of Ottawa, Ontario. Refer to Figure 1 - Key Plan in the Figures section following the text

Legal Description: Part of lot 6, Concession 3 of Ottawa River, in the Township of Gloucester, now in the City of Ottawa, Ontario.

Latitude and Longitude: 45° 25' 46.6" N, 75° 31' 13.6" W

Site Description:

Configuration: Irregular

Site Area: 6.2 ha (approximate)

Zoning: DR – Development Reserve Zone

Current Use: The Phase I Property is occupied by two (2) single-storey residential dwellings addressed 3054 Navan Road and 3080 Navan Road; a slab-on-grade commercial building used as an office and garage at 3060 Navan Road; and commercial land addressed 6101 Renaud Road and 2980 Navan Road.

Services: Portions of the Phase I Property addressed 3060 and 3080 Navan Road rely upon municipal water, while 3054 Navan Road relies upon a private water. The Phase I Property relies on private septic systems. It is expected upon redevelopment, the Phase I Property will be municipally serviced.

3.0 SCOPE OF INVESTIGATION

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

- Determine the historical activities on the 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 subject site and study area by conducting site reconnaissance;
- Conduct interviews with persons knowledgeable of current and historic operations on the Phase I Property and, if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements of Ontario Regulation 269/11 amending O.Reg. 153/04 made under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01;
- 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 located outside the 250 m radius are not considered to have impacted the Phase I Property, based on their significant distance from the site.

First Developed Use Determination

Based on historical review, the phase I Property was initially developed for residential use circa 1950 with the addition of commercial land use in 1960. Although the exact first developed use is not known, for the purpose of this assessment, the first developed use of the Phase I Property is taken to be residential in 1950.

Fire Insurance Plans

Fire insurance plans are not available for the area of the subject site and neighbouring properties

National Archives

City directories are not available for the subject site and neighbouring lands.

Chain of Title

Paterson did not request a Chain of Title for the subject site as it was determined that sufficient information was gathered from other sources, such as personal interviews, city directories and previous engineering reports.

Plan of Survey

A plan of survey was not available for review as part of this assessment.

Previous Engineering Reports

The Phase II ESA Report, entitled "*Phase II Environmental Site Assessment, Marcel Brazeau Ltd, 3060 Navan Road, Ottawa, Ontario,*" prepared by Levac Robichaud Leclerc Associates Ltd. (LRL), dated April 2008 was reviewed as part of this assessment. The Phase II – ESA was completed to assess the environmental impacts of the ASTs used in conjunction with a private fuel outlet as well as the existing vehicle maintenance garage. The drilling program consisted of twenty-two (22) boreholes that were placed in the areas of the above ground

storage tanks (ASTs), maintenance garage. BH9 was placed by the oil water separator outside the maintenance garage. Concentrations of PHCs (F₂ and F₃) were identified. Impacted groundwater was also identified during the assessment.

Based on their investigation, LRL estimated that there was approximately 700 metric tonnes of contaminated soil around and beneath the garage building, with another roughly 200 metric tonnes expected around the ASTs. LRL estimated the cost to remediate the contaminated soil to be on the order of \$250,000.

It should be noted that LRL compared their results to the 2004 MECP standards and used non-potable groundwater standards. The current standards that should be applied to the site are more stringent for some parameters. Based on this, and the fact that the source(s) of the contamination still exist, it is expected that a longer volume of contaminated soil is present at this time around the ASTs and the repair garage.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically as part of this assessment. No records of pollutant releases were listed in the database for the subject site or for any properties located within the Phase I Study Area.

PCB Waste Storage Site Inventory

A search of the national PCB waste storage site inventory was conducted as part of this assessment. No PCB waste storage sites are located within the Phase I Study Area.

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

An ERIS search was requested in lieu of a MECP Freedom of Information (FOI) request pertaining to all environmental conditions, permits, certificates of approval, compliance reports, fuel oil storage tanks, spills and waste generators regarding the Phase I Property and lands within the 250 m search radius.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment, Conservation and Parks document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the subject land. A review of the

document did not identify any former coal gasification plants located on the Phase I Property or the Phase I Study Area.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment and Climate Change document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of this assessment. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants, and coal tar distillation plants situated in the Province of Ontario. A review of this document did not identify any relevant records pertaining to the subject site or for properties located within the Phase I Study Area.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry (ESR) 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) have been filed for the Phase I Property or properties within the 250 m search radius.

Areas of Natural Significance and Water Bodies

A search for areas of natural significance and water bodies was conducted electronically via the Ontario Ministry of Natural Resources and Forestry (MNR) website. No areas of natural significance or water bodies were identified within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

An ERIS search was conducted in lieu of contacting the TSSA, Fuels Safety Branch in Toronto to inquire about current and former underground storage tanks, spills and incidents for the Phase I Property and properties within the Phase I Study Area. The TSSA related records are discussed in the ERIS Report subsection.

City of Ottawa Landfill Document

The document entitled "Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa", was reviewed. No former landfills were identified within the Phase I Study Area.

City of Ottawa Historical Land Use Inventory (HLUI)

A search request for the City of Ottawa's Historical Land Use Inventory (HLUI 2005) database was requested as part of this assessment. A response had not been received prior to issuance of this report. A copy of the response will be forwarded to the client once received.

Environmental Risk Information Services (ERIS) Report

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I Property and properties within the Phase I Study Area, which includes information from Federal and Provincial inventories, TSSA related records as well as private databases.

According to the ERIS report, ten (10) records were identified for the portion of the Phase I Property addressed 3060 Navan Road. These records included four (4) TSSA related records for existing and expired fuel storage tanks and a spill incident, and five (5) Ontario Waste Generator Registries. Two (2) single wall ASTs were used in conjunction with a private fuel outlet. The capacities of the tanks were 9,280 L and 1,345 L. The private fuel outlet and associated ASTs are PCAs that are considered to generate APECs on the Phase I Property. The spill incident record was related to a natural gas leak and as such, is not considered an issue.

The central portion of the Phase I Property (3060 Navan Road) was listed as a waste generator of hazardous wastes associated with a heavy equipment repair garage (e.g. solvents, petroleum-based and light fuel wastes). Based on the information provided in the ERIS report, the operations conducted on-site (i.e. private fuel station ASTs, and a repair garage) represent APECs on the Phase I Property. No other relevant information pertaining to the Phase I Property was identified in the ERIS report.

Several records from various databases were identified in the ERIS search for properties within the Phase I Study Area, which included Certificates of Approval (CAs), Environmental Compliance Approvals (ECAs), Environmental Activity and Sector Registry (EASRs), Ontario Spills Registry, Incident and Pipeline Spills, Well Records and Ontario Waste Generators.

The environmental records pertaining to CAs, ECAs and EASRs were related to either sewer discharge approvals, municipal and private water and sewer works or waste management systems. The approvals were issued for 3000 Navan Road, located immediately north of the subject land. This property was registered as waste management handling facility of contaminated soils and a waste generator of hazardous wastes associated with its operations as a contractors' repair garage (e.g. solvents, petroleum-based and light fuel wastes). Based on the information provided in the ERIS report, the operations conducted at 3000 Navan Road (i.e.

private fuel station and repair garage) are considered to represent APECs on the Phase I Property. The remaining environmental records were considered non-issues to the Phase I Property.

Other TSSA related records (spills and pipeline incidents) for the study are included natural gas leaks, which are considered non-issues based on the nature of the release (i.e. receiving media, air). One (1) record pertained to an OC transportation 5L hydraulic oil leak immediately north of the subject site. The record indicated that the oil leak was not anticipated to have had an environmental impact. The final spill record pertained to a 265L diesel fuel leak that occurred approximately 145m east of the subject site and was not anticipated to have had an environmental impact. Based on the separation distance as well as the cross or down gradient orientation with respect to the subject land, these TSSA related records within the study area are not considered to have impacted the Phase I Property.

The remaining records identified in the ERIS search were associated with lands located 100 m or more away from the Phase I Property and as such, are not considered to pose a risk to the subject land. A copy of the report is included in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the National Air Photo Library were reviewed in approximate ten (10) year intervals, commencing with the earliest available photograph. Based on the review, the following observations have been made:

- | | |
|------|---|
| 1965 | (Poor Scale) The majority of the subject site is vacant aside from the commercial building and a residential dwelling located on the northeastern portion of the property. Navan Road can be seen to the north, followed by residential dwellings and vacant lands. Renaud Road can be seen in its present-day orientation immediately south of the subject site along with dwellings, followed by agricultural fields. |
| 1975 | An additional residential dwelling can be seen in its present-day orientation on the northeastern part of the site. Possible fill placement may be occurring in the central portion of the site. The commercial building immediately north of the subject site can be seen at this time as well as an increase in residential development further north, across Navan Road. |

- 1991 (Poor Scale) Increased traffic access roads running east to west across the central portion are now apparent. More stockpiled material can be seen along the western border of the site. Residential development has slightly increased north of the subject site.
- 2005 No significant changes are apparent with respect to the Phase I Property aside from the addition of an access road running north to south along the western border. Residential development across Navan Road further northwest of the subject site has significantly increased.
- 2017 No significant changes are apparent with respect to the subject site, although there is a large stockpile present on the southern portion of the site. Residential development has greatly increased to the north, south and west of the subject site. Stockpiled material remains along the western border of the subject site.

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

Topographic Maps

Topographic information was obtained from Natural Resources Canada – The Atlas of Canada website. The topographic maps indicate that the elevation of the subject site is approximately 80 m above sea level. The regional topography in the general area of the Phase I Property slopes down in a southerly direction. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada – The Atlas of Canada website, as a part of this assessment. According to the publication and mapping, the Phase I Property is situated within the St. Lawrence Lowlands. According to the description provided: “The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets.” The Phase I Property is specifically located within the Central St. Lawrence Lowland area, which is rarely more 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 the information from NRCAN, bedrock within the area of the subject land consists of shale of the

Billings Formation. The overburden consists of reworked marine sediments with a drift thickness on the order of 25 to 50 m.

Areas of Natural Significance and Water Bodies

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

Water Well Records

A well record search is included in the ERIS report. Based on the ERIS search, 20 well records were identified in the study area, four (4) of which were identified as monitoring wells drilled more than 80 m away from the Phase I Property, while the remainder were domestic wells. Two (2) domestic well records were identified at 3060 Navan Road, drill in 1969. These wells were drill to a maximum depth of the 31.4 and 38.1 m below the ground surface (mbgs). The stratigraphy in the immediate area were reported to range form sand clay, followed by clay, underlain by limestone and shale bedrock at 28.9 to 30.5 mbgs.

The remaining domestic well records were identified on the adjacent residential properties that were drilled between 1950 to 1972. All wells were drilled to clear, fresh water. Although there were no abandoned well records, it is expected that some of these domestic wells are no longer in use as portions of the Phase I Study Area are municipally serviced. No other pertinent information was provided in these records. A copy of the ERIS report is appended to this report.

5.0 PERSONAL INTERVIEWS

Mr. Marcel Brazeau, the current property owner, was interviewed as part of the assessment. Mr. Brazeau stated that the residential dwellings were constructed circa 1950 and that the garage/office was constructed circa 1960. Paterson was informed that all the existing buildings had previously been heated through fuel oil furnaces, and that the property addressed 3054 Navan Road remains on fuel oil to this day. The buildings are all on septic systems in conjunction with municipally serviced water, with the exception of the property addressed 3054 Navan Road, which is on a private septic and well system.

Mr. Brazeau identified a large drain within the garage that had previously been used in conjunction with vehicle and equipment repairs and connects to an exterior oil water separator. Mr. Brazeau indicated that there had previously been two (2) USTs used in conjunction with a private fuel outlet prior to the implementation of the three (3) ASTs. Paterson was shown the locations of the two (2) previously

existing USTs and four (4) ASTs used in conjunction with the commercial office/garage building.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site inspection was conducted on Friday, May 8, 2020 by personnel from our environmental division. In addition to the Phase I Property, the uses of neighbouring properties within the Phase I study area were also assessed at the time of the site

6.2 Specific Observations at the Phase I Property

Site Features

The Phase I Property consists of two (2) one-storey residential dwellings with unfinished basements located on the most northern portion (3054 Navan Road) and eastern portion (3080 Navan Road) of the subject land. A single-storey commercial building previously used as a garage and office building is situated on the eastern side of 6101 Renaud Road, addressed 3060 Navan Road.

Stockpiles of debris and fill material and the storage of old equipment are present throughout the site . Access roads run east to west across the central portion of the subject site as well as north to south along the western border.

A berm is present along the western property line and two large stockpiles of fill material are centrally located on the subject land. Topsoil is stockpiled in the northwestern portion of the subject site.

The site is relatively at the grade of the surrounding residential developments to the south, west and east, while below the grade of the properties to the north with the regional topography sloping downwards in a southerly direction.

Site drainage on the Phase I Property consists primarily of surface infiltration throughout the property, in addition to surface run-off towards manholes located along Navan and Renaud Road. No ponded water was observed on the subject site. No signs of staining or indications of potential sub-surface contamination were observed at the time of the site visit.

A depiction of the Phase I Property is presented on Drawing PE4937-1 – Site Plan, in the Figures section of this report.

Buildings and Structures

The two (2) single-storey residential dwellings have concrete foundations with unfinished basements. The commercial office/garage building is centrally located along the eastern property line of 6101 Renaud Road. The exterior finishes of the residential dwellings include wood and brick facades with a combination of sloped shingled and flat tar and gravel roofing.

The residential dwelling addressed 3080 Navan Road was built circa 1950s and 3054 Navan Road was built circa 1970. The commercial office/garage building at 3060 Navan Road was built circa 1960 and is comprised of sheet metal siding with a shingled roof and a large single-bay vehicle maintenance area.

Potential Environmental Concerns

Fuels and Chemical Storage

No above ground storage tanks (ASTs) or signs of underground storage tanks (USTs) were observed on the exterior of the Phase I Property at the time of the site visit. Paterson was informed that there had previously been two (2) underground storage tanks located directly west of the office/garage building in conjunction with a private fuel outlet.

The tanks were removed approximately 25 years ago and have not been replaced. Three (3) previously existing above ground storage tanks (ASTs) were located immediately northwest of the office/garage building.

These tanks were used in conjunction with a private fuel outlet. No staining or indication of the ASTs was observed at the time of the site visit.

Former USTs were replaced by the ASTs, where their use in conjunction with private retail fuel outlet represent PCAs that result in APECs on the Phase I Property.

Hazardous Materials and Unidentified Substances

No hazardous materials, unidentified substances, surficial staining, abnormal odours, or indications of potential sub-surface contamination were observed on the Phase I Property at the time of the site inspection.

Transformer Oil and Polychlorinated Biphenyls (PCBs)

No transformers or other sources of PCBs were observed on the Phase I Property at the time of the site inspection.

Waste Management

Waste materials observed on the Phase I Property at the time of the site inspection were noted to be limited to solid, non-hazardous domestic waste products and recyclables. All waste products were noted to be stored in plastic bins on the exterior of the subject building and collected by the municipality on a regular basis. No concerns were identified with respect to waste management practices on the Phase I Property.

Fill Material

Fill material was present on the central and western portions of the subject land which was used for fill handling with additional stockpiles of fill material imported on the central west and west side of the property. The unknown quality of the stockpiles and fill material imported on-site represent APECs on the Phase I Property.

Interior Assessment

A general description of the interiors of the subject buildings are as follows:

3054 Navan Road (residential dwelling)

- The floors consist parquet board flooring and vinyl floor tile.
- The walls consist of drywall.
- The ceilings consist of plaster.
- Lighting throughout the building consists of incandescent fixtures.

3060 Navan Road (office/shop)

- The floors consist of tile and concrete.
- The walls consist of drywall.
- The ceilings consist of plaster.
- Lighting throughout the building consists of incandescent fixtures.

3080 Navan Road (residential dwelling)

- The floors consist of hardwood and vinyl floor tile.
- The walls consist of drywall.
- The ceilings consist of plaster.

- Lighting throughout the building consists of incandescent fixtures.

Potentially Hazardous Building Materials

- Asbestos-Containing Materials (ACMs)**

Based on the age of the residences (circa 1950s) and commercial/garage building, asbestos may be potentially present within certain building materials. The potential ACMs identified at time of the site inspection include the drywall joint compound, plaster ceilings and vinyl floor tile. These building materials were observed to be in good condition at the time of the site inspection and do not pose an immediate concern.

- Lead-Based Paint**

Based on the age of the subject buildings, lead-based paints may be potentially present on any original or older painted surfaces. The painted surfaces within the buildings were generally observed to be in good condition at the time of the site inspection.

- Polychlorinated Biphenyls (PCBs)**

No concerns with respect to PCBs were identified at the time of the site inspection.

- Urea Formaldehyde Foam Insulation (UFFI)**

UFFI was not observed within the subject buildings at the time of the site inspection, however, the wall cavities were not inspected at the time for insulation type.

Other Potential Environmental Concerns

- Fuels and Chemical Storage**

No vent and fill pipes, or signs indicating the presence of underground or above ground storage tanks, were observed within the interior of the subject buildings with exception to the residential dwelling addressed 3054 Navan Road. The AST was observed to be in good condition; no apparent odour or staining was noted at the time of the site visit. A sump pit was noted as well, with no apparent sheen or odour at the time of the visit.

Chemical storage on the Phase I Property was observed to be limited to domestically available cleaning products, and were stored in their original

containers. No hazardous chemicals, spills, stains, or any unusual visual or olfactory observations were noted at the time of the site inspection.

No concerns with respect to fuels or chemical storage were identified during the site inspection.

❑ **Wastewater Discharges**

Wastewater is currently discharged from the Phase I Property to private septic systems. Sump pits were observed in all of the residential dwellings as well as a large floor drain used in conjunction with the garage.

Water was observed within the sump pits at the time of the site visit; no odours or sheen was noted at the time of the site visit.

Roof drainage from the subject buildings is discharged into the landscaped areas surrounding the structures. There is a large floor drain centrally located within the garage used in conjunction with an oil water separator on the west side of the garage. The presence of the large floor drain used in conjunction with the vehicle maintenance operations in the garage represents PCAs that results in APEC on the Phase I Property.

❑ **Ozone Depleting Substances (ODSs)**

Potential sources of ODSs observed on the Phase I Property include fire extinguishers, refrigerators and AC units. These appliances appeared to be in good condition at the time of the site inspection and should be regularly serviced by a licensed contractor.

Neighbouring Properties

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site inspection. Land use adjacent to the Phase I Property was observed to be as follows:

North: Laurent Leblanc Limited head office (3000 Navan Road), followed by Navan Road and residential dwellings;

South: Residential dwellings followed by Renaud Road and more residential development;

East: Residential dwelling and a commercial building followed by Pagé Road, a model home center and Navan Road;

West: Residential development followed by agricultural fields.

One (1) Potentially Contaminating Activity (PCA) was identified on a property within the Phase I Study Area. The PCA is the three (3) ASTs in conjunction with a private retail fuel outlet located at the property addressed 3000 Navan Road. The neighbouring land use within the Phase I study area is illustrated on Drawing PE4937-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The Phase I Property was initially developed with residential dwellings during the interim of the early 1950s to 1970, and a commercial building that was used as an office and repair garage in the 1960s. Land uses of the Phase I Property remains residential and commercial.

Potentially Contaminating Activities

Based on our historical review, potentially contaminating activities (PCAs) were identified on-site and off-site, resulting in areas of potential environmental concern (APECs) on the Phase I Property. As per Column A of Table 2 of the O.Reg. 153/04, as amended, the following on-and off-site PCAs that generate APECs on the Phase I Property are:

- ❑ PCA 28 – *“Gasoline and Associated Products Storage in Fixed Tanks,”* associated with the former presence of 3 ASTs situated on the eastern portion of the Phase I Property, 3060 Navan Road (APEC 1);
- ❑ PCA 52 – *“Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems,”* associated with a former repair garage at 3060 Navan Road (APEC 2);
- ❑ PCA 28 – *“Gasoline and Associated Products Storage in Fixed Tanks,”* associated with the former USTs nest at 3060 Navan Road (APEC 3);
- ❑ PCA 30 – *“Importation of Fill Material of Unknown Quality”* associated with handling and placement of fill material across the majority of the commercial portion of the Phase I Property, including 2980 Navan Road (APEC 4); and
- ❑ PCA 28 – *“Gasoline and Associated Products Storage in Fixed Tanks,”* associated with the former location of ASTs and presence of 3 ASTs at 3000 Navan Road (APEC 5).

The remaining off-site PCAs were not considered to result in APECs based on their separation distances and/or orientations with respect to the subject land.

The off-site PCAs within the Phase I Study Area are identified in green on Drawing PE4937-2– Surrounding Land Use Plan.

Areas of Potential Environmental Concern

The aforementioned historical PCAs have resulted in the following APECs:

- APEC 1: Resulting from the former ASTs situated on the eastern portion of the Phase I property at 3060 Navan Road (PCA 28).
- APEC 2: Resulting from the former repair garage located on the eastern portion of the Phase I Property (PCA 52).
- APEC 3: Resulting from the former UST nest located on the eastern portion of the Phase I Property (PCA 28).
- APEC 4: Resulting from fill material of unknown quality, associated with the handling and placement of fill material of unknown quality on the commercial portion and western portions of the Phase I Property (PCA 30).
- APEC 5: Resulting from the former and existing presence of 3 ASTs located at 3000 Navan Road (PCA 28).

The aforementioned PCAs that represent APECs on the Phase I Property are outlined in on Drawing PE4937-1–Site Plan.

Contaminants of Potential Concern

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

- Benzene, ethylbenzene, toluene and xylenes (BTEX);
- Petroleum hydrocarbons (PHCs, Fractions F₁-F₄);
- Polycyclic aromatic hydrocarbons (PAHs);
- Volatile organic compounds (VOCs); and
- Metals plus Mercury (Hg), and Hexavalent Chromium (CrVI).

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

According to the Geological Survey of Canada website, the bedrock in the area of the Phase I Property is reported to consist of shale of the Billings Formation. The

overburden is reported to consist of reworked marine sediments with a thickness of 25 to 50 m across the site. The groundwater is expected to flow in a southerly direction.

Based on the well records, the Phase I Property is situated in an area where the overburden consists of sandy clay and clay, underlain by shale and limestone bedrock more than 28 mbgs.

Fill Placement

Based on the historical review in combination with the site visit, the central and western portions of the subject land has been used for fill handling with additional stockpiles of fill material imported on the central west and west sides of the property. The unknown quality of the stockpiles and fill material imported on-site represent APECs on the Phase I Property.

Existing Buildings and Structures

The Phase I Property is currently occupied by two (2) single- storey residential dwellings with unfinished basements located at 3054 and 3080 Navan Road. A slab on grade commercial building formerly used as a repair garage is located at 3060 Navan Road.

Drinking Water Wells

One potable water well is present and currently in-use at 3045 Navan Road. The remainder of the site is serviced by municipal water.

Subsurface Structures and Utilities

The Phase I Property is situated in a partially municipally serviced area. Underground utility services on the property include natural gas and municipal water, which enter the Phase I Property from Page Road. The residential dwelling at 3054 Navan Road still relies on a domestic well located on the south side of the residence.

Private septic systems are located on the southwest side of the residence of 3045 Navan Road; south side of 3080 Navan Road; and two (2) septic tanks on the north and west sides of the commercial building at 3060 Navan Road.

Areas of Natural Significance and Water Bodies

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

Neighbouring Land Use

Neighbouring land use in the Phase I Study Area consists primarily of residential properties with the occasional commercial land use.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, five (5) PCAs are considered to result APECs on the Phase I Property. These APECs are summarized in Table 1, along with their respective locations and contaminants of potential concern (CPCs) on the Phase I Property.

Table 1: Areas of Potential Environmental Concern					
Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil, and/or Sediment)
APEC 1: Resulting from the former ASTs	Eastern portion of the Phase I Property	PCA 28 – <i>“Gasoline and Associated Products Storage in Fixed Tanks.”</i>	On-site	BTEX PHCs (F ₁ -F ₄) VOCs	Soil and/or Groundwater
APEC 2: Resulting from the former repair garage located	Eastern portion of the Phase I Property	PCA 52 – <i>“Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems.”</i>	On-site	BTEX PHCs (F ₁ -F ₄) VOCs	Soil and/or Groundwater
APEC 3: Resulting from the former UST nest	Eastern portion of the Phase I Property	PCA 28 – <i>“Gasoline and Associated Products Storage in Fixed Tanks.”</i>	On-site	BTEX PHCs (F ₁ -F ₄) VOCs	Soil and/or Groundwater
APEC 4: Resulting from fill material of unknown quality	Central and central west portions of the Phase I Property	PCA 30 – <i>“Importation of Fill Material of Unknown Quality.”</i>	On-site	PAHs Metals (including Hg, CrVI)	Soil and/or Groundwater
APEC 5: Resulting from the presence of a former and existing 3 ASTs	Central north side of the Phase I Property	PCA 28 – <i>“Gasoline and Associated Products Storage in Fixed Tanks.”</i>	Off-site	BTEX PHCs (F ₁ -F ₄)	Soil and/or Groundwater

As previously discussed in Section 7.1, the remaining off-site PCAs were determined not to represent APECs on the Phase I Property.

Contaminants of Potential Concern

As per the APECs identified in Section 7.1, the contaminants of potential concern (CPCs) in soil and/or groundwater include:

- Benzene, ethylbenzene, toluene and xylenes (BTEX);
- Petroleum hydrocarbons (PHCs, Fractions F₁-F₄);
- Polycyclic aromatic hydrocarbons (PAHs);
- Volatile organic compounds (VOCs); and
- Metals plus Mercury (Hg), and Hexavalent Chromium (CrVI).

The CPCs are expected to be present in the soil and/or groundwater of 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 are on-site and off-site PCAs that have resulted in APECs on the Phase I Property.

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

8.0 CONCLUSION

Assessment

Paterson Group was retained by Caivan Communities to conduct a Phase I – Environmental Site Assessment (Phase I ESA) of the properties located at 2980, 3054, 3060 and 3080 Navan Road, and 6101 Renaud Road, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical information reviewed, the Phase I Property was first developed with the existing residential dwelling addressed 3080 Navan Road in 1950, followed by the residence addressed 3054 Navan and a commercial building/repair garage addressed 3060 Navan Road in the early 1970s. Fill material of unknown quality was identified throughout the commercial portion of the Phase I Property, including 2980 Renaud Road.

Additionally, an ERIS search was conducted as part of this assessment. Based on the ERIS report, a portion of the Phase I Property (3060 Navan Road) had records of expired ASTs and waste generator records of hazardous waste (e.g. solvents, petroleum-based and light fuel wastes) associated with a heavy equipment repair garage.

A 2008 Phase II ESA report was provided for review as part of this Phase I ESA. The Phase III ESA was conducted in the vicinity of the 3 ASTs and the maintenance garage on site. Contaminated soil and groundwater were identified in the area of the garage while contaminated soil was inferred to be present in the areas of the ASTs. The presence of these impacted media have been incorporated in our APECs 1 and 2.

Based on the past site operations on-site, four (4) PCAs were identified and considered to result in APECs on the Phase I Property (APECs 1 through 4).

Historical land use of the surrounding area consisted primarily of residential and agricultural lands with a commercial contractor's yard at 3000 Navan Road, which included three (3) former ASTs associated with a private fuel outlet. The ERIS report identified records that supported these operations at 3000 Navan Road as well as several waste generator records of hazardous waste associated with a repair garage. Based on the operations associated with this property, the former location of the ASTs was considered to represent an APEC on the Phase I Property.

Following the historical review, a site inspection was conducted on May 8, 2020. The Phase I Property is currently occupied by two (2) residential dwellings located on the eastern and northwestern portions of the subject land, as well as a commercial office/garage style building. No additional PCAs that result in APECs were identified with respect to the current use of the Phase I Property

The surrounding land use consisted of residential with some commercial lands as well as agricultural lands. A private fuel station with 3 ASTS were noted at 3000 Navan Road. No PCAs aside from the previously discussed ASTs and service garage were identified with respect to the current use of the surrounding lands.

Recommendations

Based on the results of this assessment, it is our opinion that **a Phase II - Environmental Site Assessment is required for the property.**

Based on the ages of the subject buildings, asbestos containing materials (ACMs) may be present within these structures. Potential ACMs identified include drywall joint compound, vinyl floor tiles and plaster. This material was noted to be in good condition at the time of our inspection and does not represent an immediate concern. An asbestos survey of the building should be conducted in accordance with Ontario Regulation 278/05, under the Occupational Health and Safety Act, prior to demolition or renovation, if one has not already been conducted.

Lead-based paint may be present on any remaining original surfaces within the building. It is recommended that paint be tested for lead content prior to its disturbance. Major work involving lead-based paint or other lead containing products must be done in accordance with Ontario Regulation 843, under the Occupational Health and Safety Act.

It is our understanding that the subject buildings will be demolished in conjunction with future redevelopment. Prior to any demolition activities, a designated substance survey (DSS) must be conducted for the existing structure, in accordance with Ontario Regulation 490/09 under the Occupational Health and Safety Act.

9.0 STATEMENT OF LIMITATIONS

This Phase I – Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04, as amended, and meets the requirements of CSA Z768-01. 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 as well as 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 Caivan Communities. Permission and notification from Caivan Communities and Paterson Group will be required to release this report to any other party.

Paterson Group Inc.



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



Mark S. D'Arcy, P.Eng., QP_{ESA}



Report Distribution:

- Caivan Communities
- Paterson Group Inc.

10.0 REFERENCES

Federal Records

Natural Resources Canada Air Photo Library.
Natural Resources Canada The Atlas of Canada.
Geological Survey of Canada Surficial and Subsurface Mapping.
Environment Canada, National Pollutant Release Inventory.
National PCB Waste Storage Site Inventory.
National Archives of Canada.

Provincial Records

MECP Freedom of Information and Privacy Office.
MECP Municipal Coal Gasification Plant Site Inventory, 1991.
MECP Waste Disposal Site Inventory, 1991.
MECP Brownfields Environmental Site Registry.
MECP Water Well Inventory.
Office of Technical Standards and Safety Authority, Fuels Safety Branch.
Ministry of Natural Resources and Forestry Areas of Natural Significance.
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.
The City of Ottawa eMap website.

Local Information Sources

Personal Interviews.

Public Information Sources

Google Earth.
Google Maps/Street View.

Private Information Sources

ERIS Report

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4937-1 – SITE PLAN

DRAWING PE4937-2 – SURROUNDING LAND USE PLAN

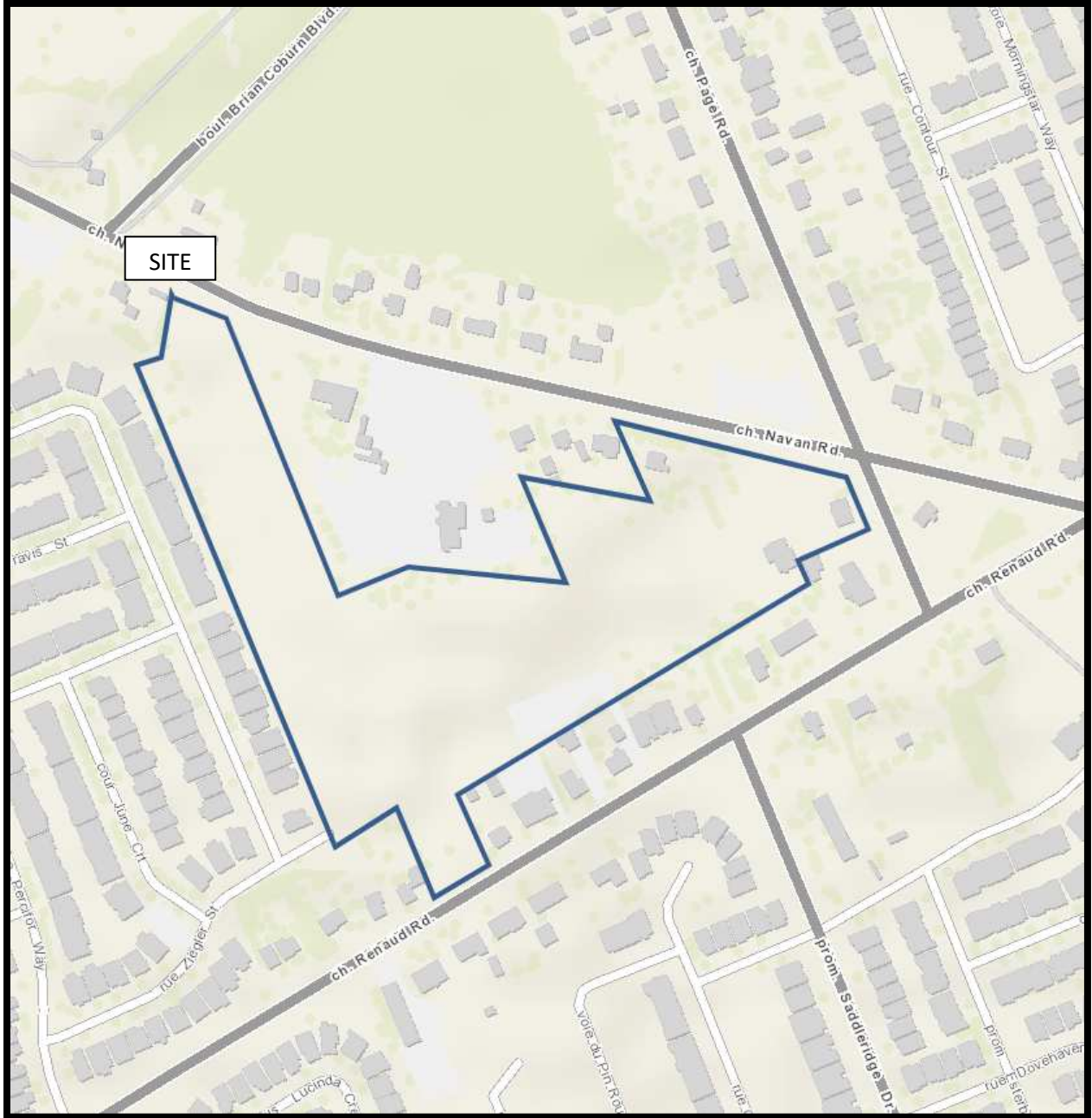


FIGURE 1
KEY PLAN

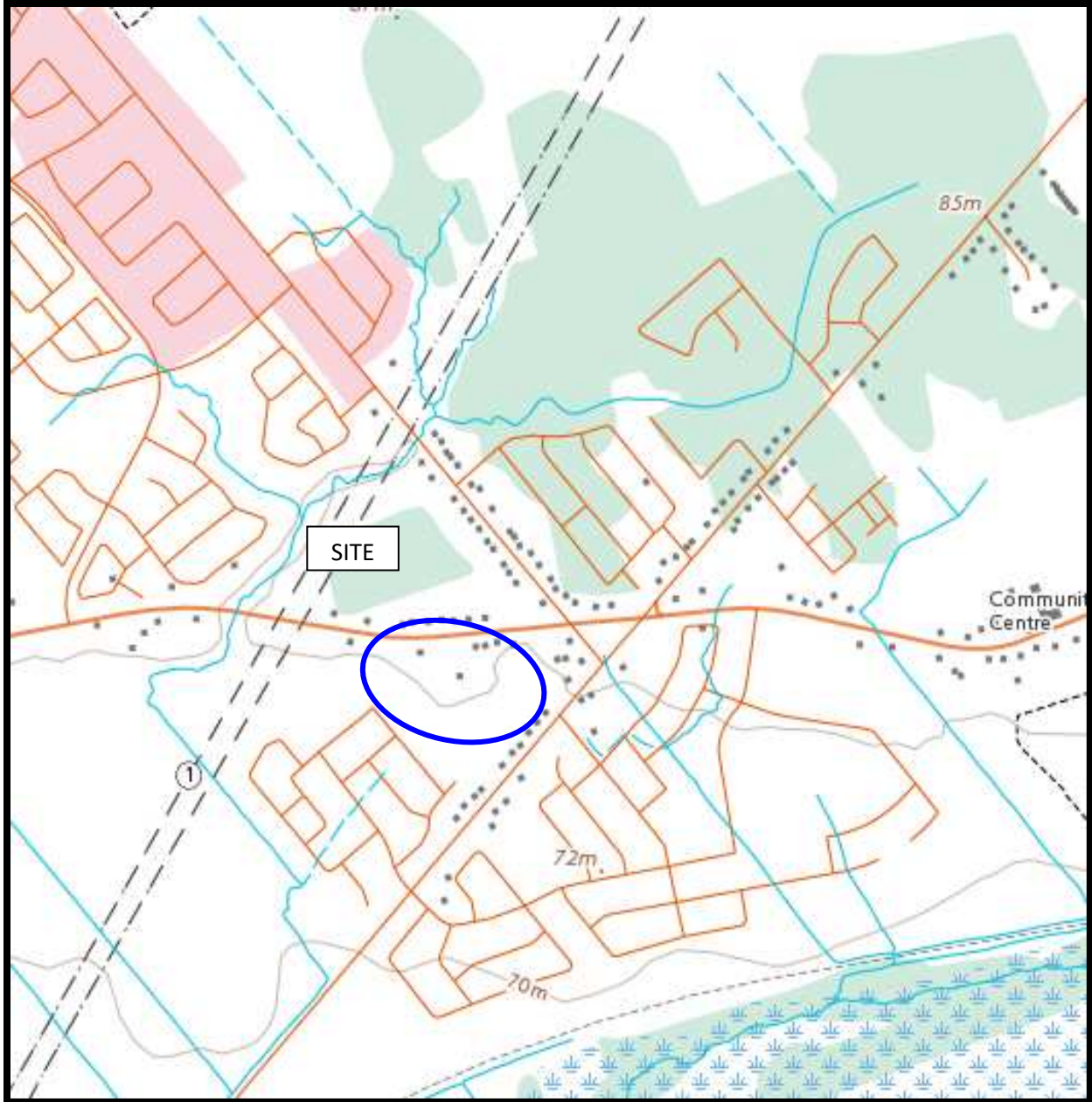
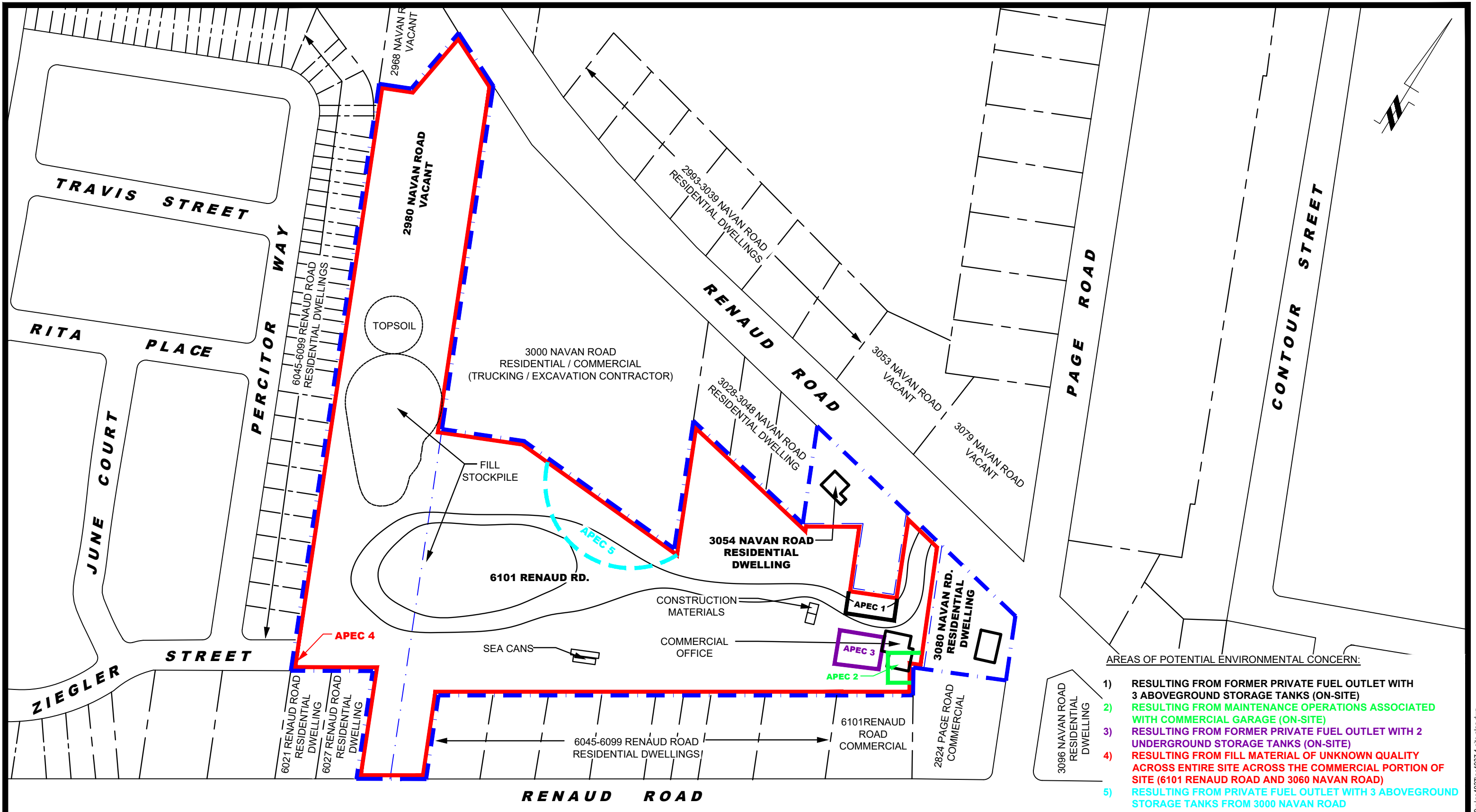


FIGURE 2
TOPOGRAPHIC MAP



- AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:
- 1) RESULTING FROM FORMER PRIVATE FUEL OUTLET WITH 3 ABOVEGROUND STORAGE TANKS (ON-SITE)
 - 2) RESULTING FROM MAINTENANCE OPERATIONS ASSOCIATED WITH COMMERCIAL GARAGE (ON-SITE)
 - 3) RESULTING FROM FORMER PRIVATE FUEL OUTLET WITH 2 UNDERGROUND STORAGE TANKS (ON-SITE)
 - 4) RESULTING FROM FILL MATERIAL OF UNKNOWN QUALITY ACROSS ENTIRE SITE ACROSS THE COMMERCIAL PORTION OF SITE (6101 RENAUD ROAD AND 3060 NAVAN ROAD)
 - 5) RESULTING FROM PRIVATE FUEL OUTLET WITH 3 ABOVEGROUND STORAGE TANKS FROM 3000 NAVAN ROAD

patersongroup
consulting engineers

154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

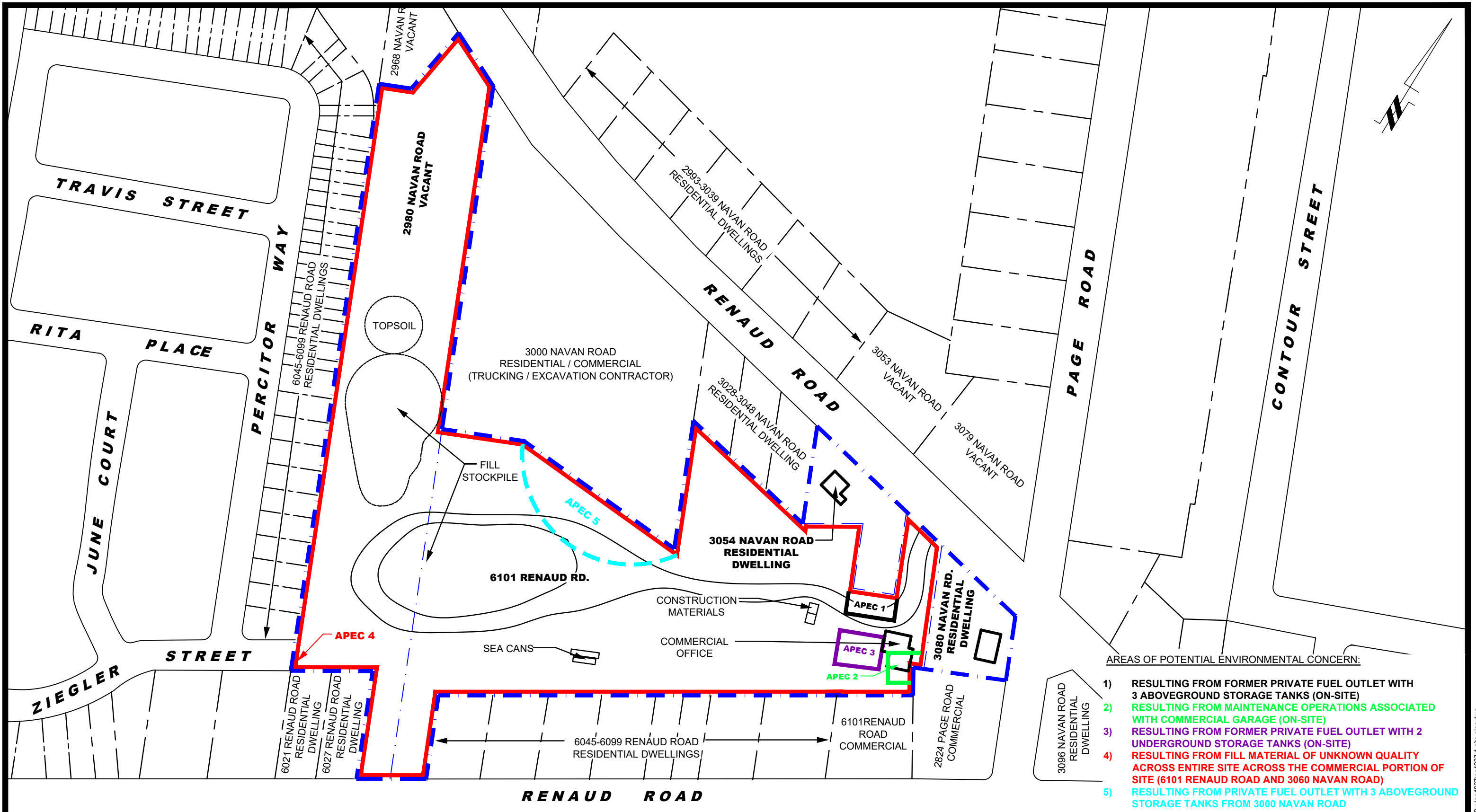
NO.	REVISIONS	DATE	INITIAL

CAIVAN COMMUNITIES
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
RENAUD ROAD AT NAVAN ROAD

OTTAWA, ONTARIO

Title: **SITE PLAN**

Scale:	1:2000	Date:	06/2020
Drawn by:	YA	Report No.:	PE4937-1
Checked by:	SB	Dwg. No.:	PE4937-1
Approved by:	MSD	Revision No.:	



- AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:
- 1) RESULTING FROM FORMER PRIVATE FUEL OUTLET WITH 3 ABOVEGROUND STORAGE TANKS (ON-SITE)
 - 2) RESULTING FROM MAINTENANCE OPERATIONS ASSOCIATED WITH COMMERCIAL GARAGE (ON-SITE)
 - 3) RESULTING FROM FORMER PRIVATE FUEL OUTLET WITH 2 UNDERGROUND STORAGE TANKS (ON-SITE)
 - 4) RESULTING FROM FILL MATERIAL OF UNKNOWN QUALITY ACROSS ENTIRE SITE ACROSS THE COMMERCIAL PORTION OF SITE (6101 RENAUD ROAD AND 3060 NAVAN ROAD)
 - 5) RESULTING FROM PRIVATE FUEL OUTLET WITH 3 ABOVEGROUND STORAGE TANKS FROM 3000 NAVAN ROAD

patersongroup
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154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

CAIVAN COMMUNITIES
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
 RENAUD ROAD AT NAVAN ROAD

OTTAWA, ONTARIO
 Title: **SITE PLAN**

Scale:	1:2000	Date:	06/2020
Drawn by:	YA	Report No.:	PE4937-1
Checked by:	MW	Dwg. No.:	PE4937-1
Approved by:	MSD	Revision No.:	

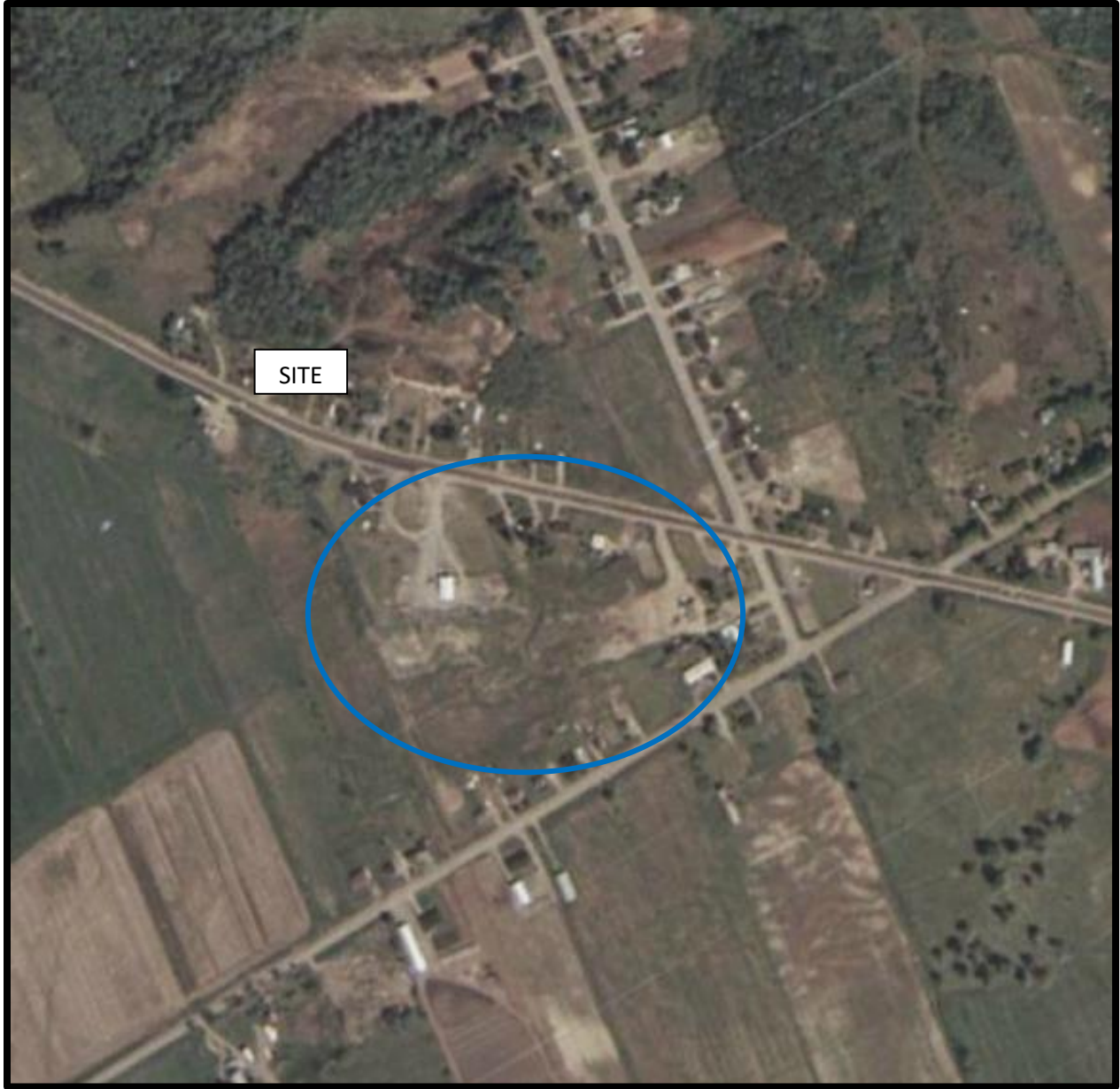
APPENDIX 1

AERIAL PHOTOGRAPHS

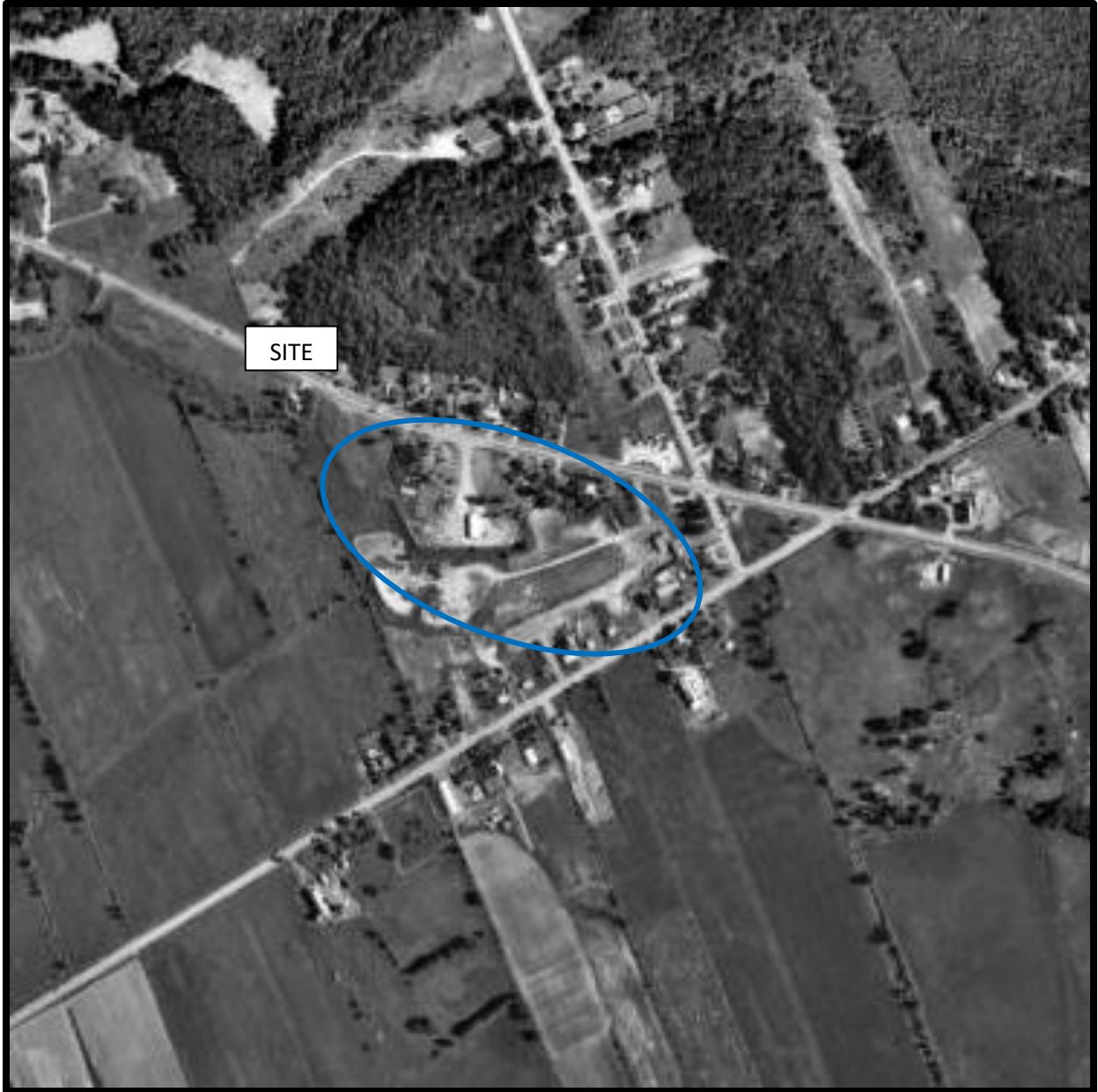
SITE PHOTOGRAPHS



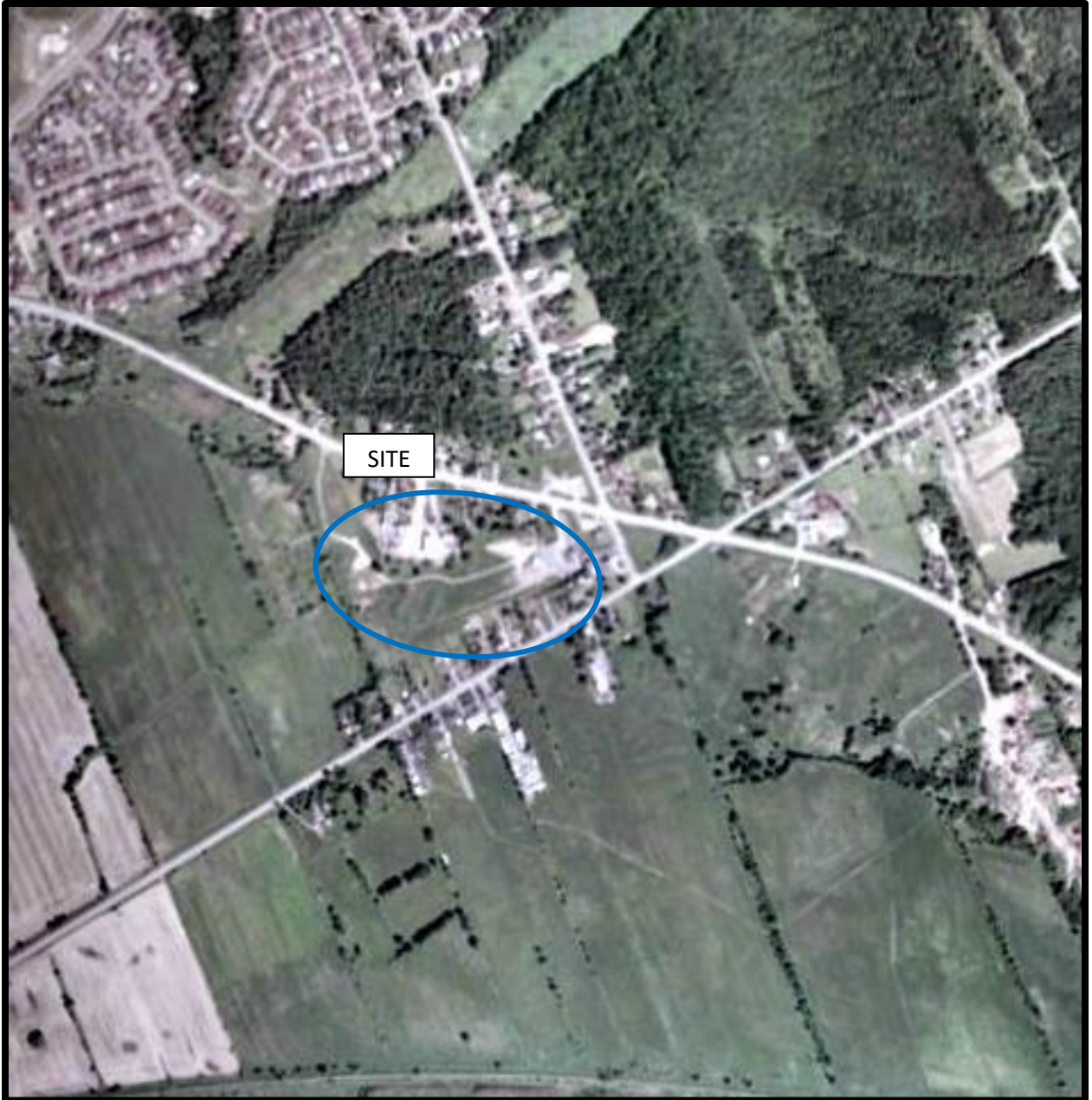
AERIAL PHOTOGRAPH
1965



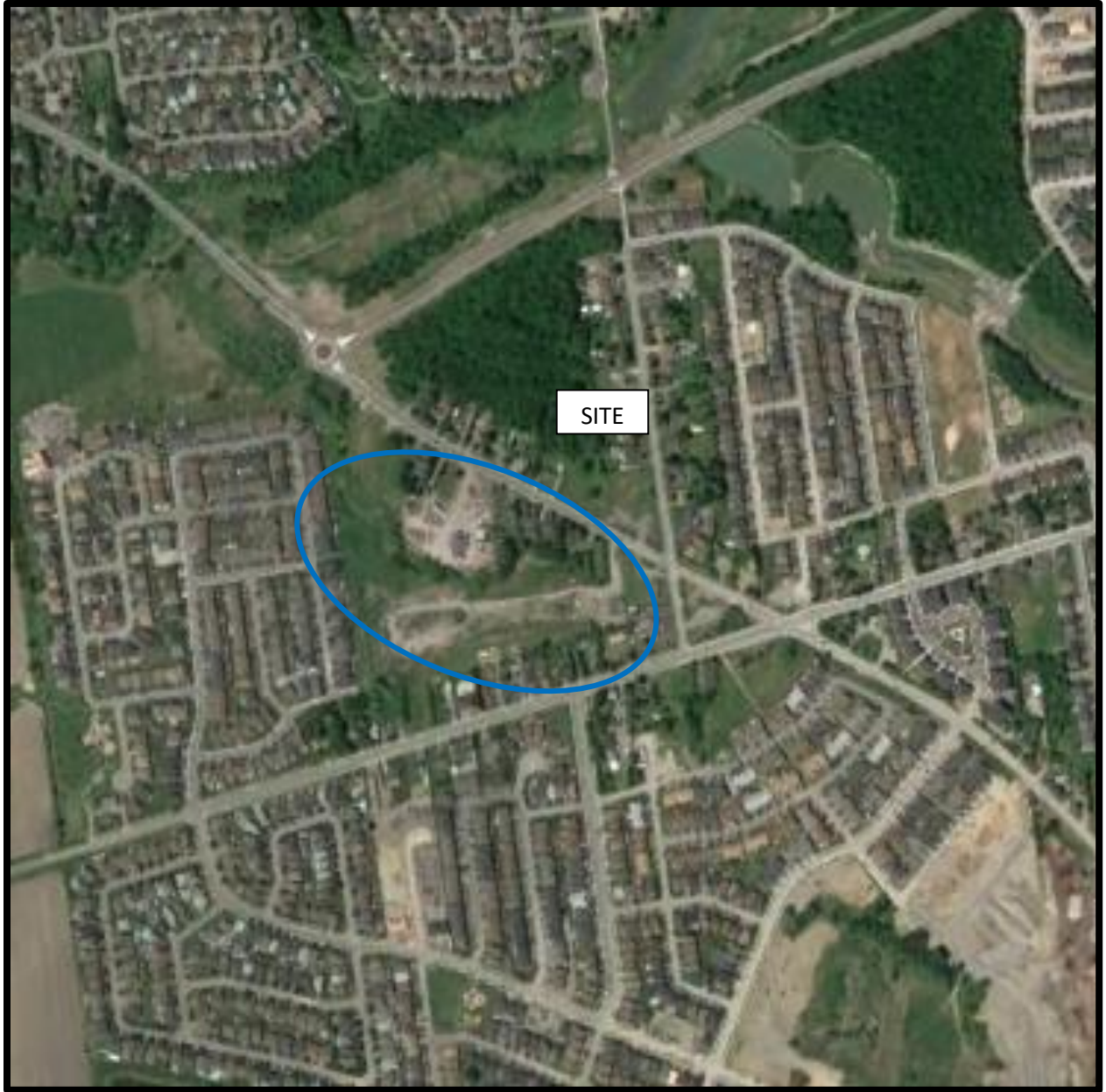
AERIAL PHOTOGRAPH
1975



AERIAL PHOTOGRAPH
1991



AERIAL PHOTOGRAPH
2005



AERIAL PHOTOGRAPH
2017

APPENDIX 2

HLUI RESPONSE

ERIS REPORT

Office Use Only

Application Number: _____	Ward Number: _____	Application Received: (dd/mm/yyyy): _____
Client Service Centre Staff: _____	Fee Received: \$	<input type="text"/>



Historic Land Use Inventory

Application Form

Notice of Public Record

All information and materials required in support of your application shall be made available to the public, as indicated by Section 1.0.1 of *The Planning Act*, R.S.O. 1990, C.P.13.

Municipal Freedom of Information and Protection Act

Personal information on this form is collected under the authority the *Planning Act*, RSO 1990, c. P. 13 and will be used to process this application. Questions about this collection may be directed by mail to Manager, Business Support Services, Planning Infrastructure and Economic Development Department, 110 Laurier Avenue West, Ottawa, K1P 1J1, or by phone at (613) 580-2424, ext. 24075

Background Information

***Site Address or Location:**

** Mandatory Field*

Applicant/Agent Information:

Name:

Mailing Address:

Telephone: Email Address:

Registered Property Owner Information:

Same as above

Name:

Mailing Address:

Telephone: Email Address:

Site Details

Legal Description
and PIN:

N/A

What is the land
currently used for?

Commercial/Residential

Lot frontage:

m

Lot depth:

m

Lot area:

m²

OR

Lot area: (irregular lot)

58,800

m²

Does the site have Full Municipal Services:

Yes

No

Required Fees

Please don't hesitate to visit [the Historic Land Use Inventory website](#) more information. Fees must be paid in full at the time of application submission.

Planning Fee

\$100.00

Submittal Requirements

The following are required to be submitted with this application:

- 1. Consent to Disclose Information:** Consultants and other third parties may make requests for information on behalf of an individual or corporation. However, if the requester is not the owner of the property, **the requester must provide the City of Ottawa with a 'consent to disclose information' letter, signed by the property owner.** This will authorize the City of Ottawa to release any relevant information about the property or its owner(s) to the requester. Consent for disclosure is required in the event that personal information or proprietary company information is found concerning the property and its owner. All consents must clearly indicate the name of the property owner as well as the name of the requester, and must be signed and dated.
- 2. Disclaimer:** Requesters must read and understand the conditions included in the attached disclaimer and submit a signed disclaimer to the City of Ottawa's Planning, Infrastructure and Economic Development Department. This disclaimer is related to the Historic Land Use Inventory and must be received by the City of Ottawa, signed and dated by the requestor, before the process can begin.
- 3.** A site plan or key plan of the property, its location and particular features.
- 4.** Any significant dates or time frames that you would like researched.

Disclaimer
For use with HLUI Database

CITY OF OTTAWA ("the City") is the owner of the Historical Land Use Inventory ("HLUI"), a database of information on the type and location of land uses within the geographic area of Ottawa, which had or have the potential to cause contamination in soil, groundwater or surface water.

The City, in providing information from the HLUI, to Paterson Group _____ ("the Requester") does so only under the following conditions and understanding:

1. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI 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.
2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.
3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.
4. Copyright is reserved to the City.
5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.
6. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.
7. All information collected under this request and all records provided in response to this request are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M.56, as amended.

Signed:  _____

Dated (dd/mm/yyyy): 13/05/2020 _____

Per: Samuel Berube _____
(Please print name)

Title: Environmental Consultant _____

Company: Paterson Group _____

From: Samuel Berube SBerube@Patersongroup.ca
Subject: HLUI Consent Form
Date: May 11, 2020 at 9:05 AM
To: mjr@brazeaultd.ca



Hi Marcel,

Can you please complete and sign the attached form and resend it to me?

Thank you,

Samuel Berube, B.Eng.

patersongroup
solution oriented engineering
over 60 years serving our clients

154 Colonnade Road South
Ottawa, Ontario, K2E 7J5
Tel: (613) 226-7381
Cell: 613-558-0932

patersongroup

Consulting Engineers

154 Colonnade Road South
Ottawa, Ontario
Canada, K2E 7J5
Tel: (613) 226-7381
Fax: (613) 226-6344

May 11, 2020
File: PE4937-HLUI

City of Ottawa
110 Laurier Avenue W
Ottawa, Ontario
K1P 1J1

Geotechnical Engineering
Environmental Engineering
Hydrogeology
Geological Engineering
Materials Testing
Building Science
Archaeological Services

www.patersongroup.ca

Subject: **Authorization Letter, HLUI Search
Phase I-Environmental Site Assessment
6101 Renaud Road, Ottawa Ontario
Ottawa, Ontario**

Dear Sir or Madame,

Please consider this letter as confirmation that Paterson Group has been retained to conduct a Phase I-Environmental Site Assessment at the aforementioned property.

With this letter, the property owner authorizes the City of Ottawa and other regulatory bodies to release, to Paterson Group, information requested for the purpose of completing an environmental assessment of the property.

Name of Company/Property Owner:

Name of Representative

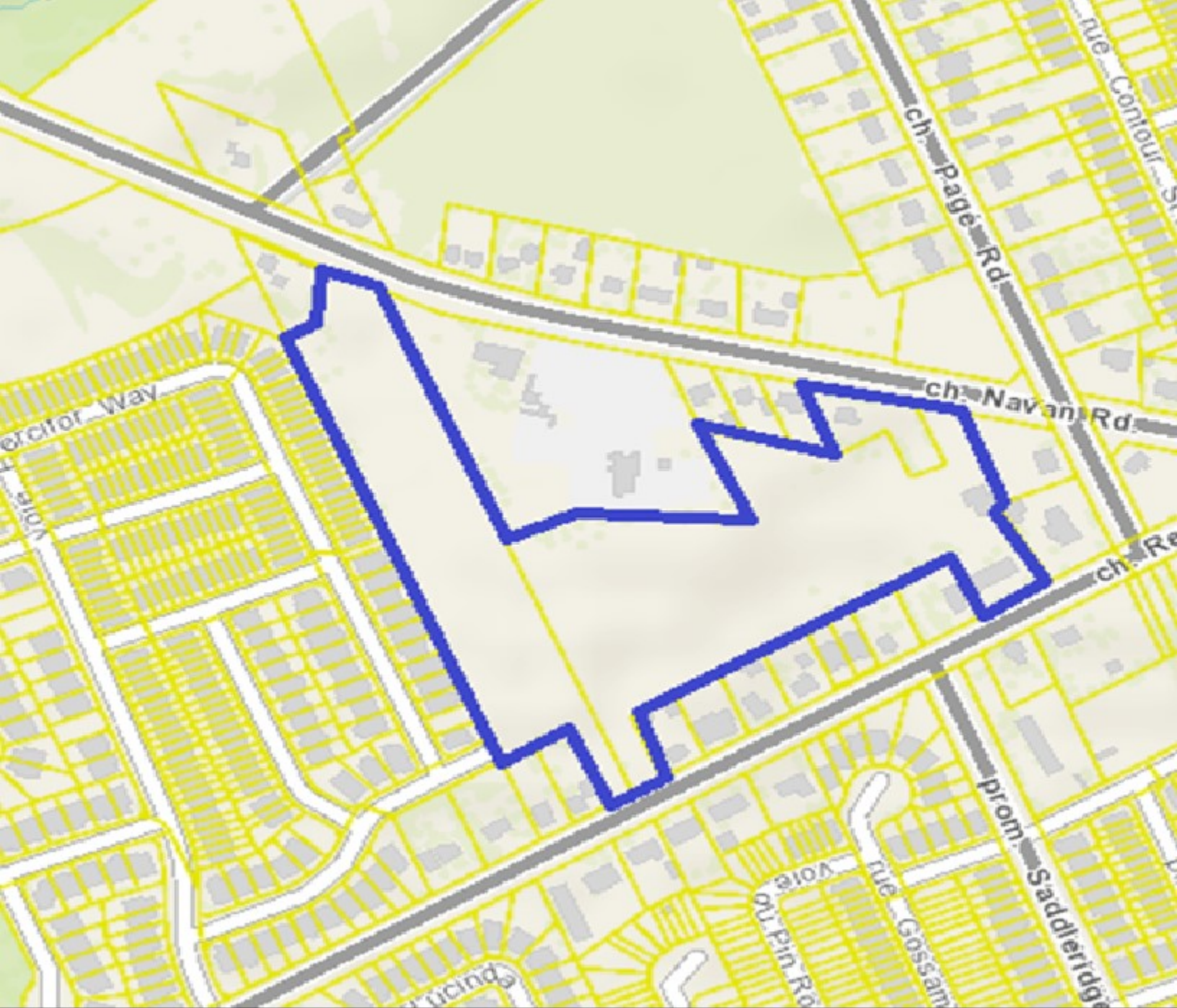
Authorization of Representative

Date

MARCEL BRAZEAU

[Signature]

MAY 11 2020





DATABASE REPORT

Project Property: *Phase I ESA
Navan and Renaud Road
Ottawa ON K4B 1H9*

Project No: *30074*

Report Type: *Quote - Custom-Build Your Own Report*

Order No: *20200508091*

Requested by: *Paterson Group Inc.*

Date Completed: *May 13, 2020*

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a database review of environmental records.

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Executive Summary

Property Information:

Project Property: *Phase I ESA
Navan and Renaud Road Ottawa ON K4B 1H9*

Project No: *30074*

Order Information:

Order No: *20200508091*

Date Requested: *May 8, 2020*

Requested by: *Paterson Group Inc.*

Report Type: *Quote - Custom-Build Your Own Report*

Historical/Products:

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	1	7	8
CA	<i>Certificates of Approval</i>	Y	0	7	7
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	2	2
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	10	10
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	11	11
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	2	0	2
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	2	0	2
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	5	12	17
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	4	4
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	1	1

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	3	3
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	2	2
SPL	Ontario Spills	Y	1	5	6
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	1	30	31
Total:			12	94	106

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
1	WWIS		lot 6 con 3 ON <i>Well ID:</i> 1501420	E/0.0	0.00	31
1	GEN	MARCEL BRAZEAU LTD.	LOT 6, CONC. 3 OFF NAVAN ROAD C/O BOX 231 R.R.#9 GLOUCESTER ON K1G 3N5	ESE/0.0	0.00	33
1	GEN	MARCEL BRAZEAU LTD. 26-391	3060 NAVAN ROAD GLOUCESTER ON K1G 3N5	W/0.0	0.00	34
1	GEN	MARCEL BRAZEAU LTD.	3060 NAVAN ROAD GLOUCESTER ON K1G 3N5	W/0.0	0.00	34
1	FSTH	MARCEL BRAZEAU TOP SOIL	3060 NAVAN RD NAVAN ON	W/0.0	0.00	34
1	FSTH	MARCEL BRAZEAU TOP SOIL	3060 NAVAN RD NAVAN ON	W/0.0	0.00	35
1	BORE		ON	E/0.0	0.00	35
1	GEN	MARCEL BRAZEAU LTD.	3060 NAVAN ROAD GLOUCESTER ON K1W 1E9	W/0.0	0.00	36

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
<u>1</u>	GEN	MARCEL BRAZEAU LTD.	3060 NAVAN ROAD GLOUCESTER ON K1W 1E9	W/0.0	0.00	<u>37</u>
<u>1</u>	FST	MARCEL BRAZEAU TOP SOIL	3060 NAVAN RD NAVAN ON K4B	W/0.0	0.00	<u>37</u>
<u>1</u>	FST	MARCEL BRAZEAU TOP SOIL	3060 NAVAN RD NAVAN ON K4B	W/0.0	0.00	<u>38</u>
<u>1</u>	SPL	Enbridge Gas Distribution Inc.	3060 Navan Rd Ottawa ON	W/0.0	0.00	<u>38</u>

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	SPL	BUS	NAVAN VILLAGE, NAVAN RD & PAGE RD. MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON	ENE/7.6	0.00	38
3	WWIS		lot 6 con 3 ON Well ID: 1510706	E/9.0	0.00	39
4	WWIS		lot 6 con 3 ON Well ID: 1501421	S/12.1	-2.00	41
5	BORE		ON	S/12.2	-2.00	44
6	WWIS		OTTAWA ON Well ID: 7300714	ESE/27.4	-0.05	45
7	SPL	Enbridge Gas Distribution Inc.	6071 renaud Road, Orleans<UNOFFICIAL> Ottawa ON K1C 7G4	SE/28.4	-1.97	47
7	SPL	Enbridge Gas Distribution Inc.	6071 renaud Road, Orleans<UNOFFICIAL> Ottawa ON K1C 7G4	SE/28.4	-1.97	48
7	INC		6071 Renaud Road, Orleans ON K1C 7G4	SE/28.4	-1.97	48
8	WWIS		lot 6 con 3 ON Well ID: 1501429	NE/29.1	0.00	49
9	WWIS		lot 6 con 3 ON Well ID: 1511098	NE/30.0	0.00	52
10	WWIS		lot 6 con 3 ON Well ID: 1510906	NW/33.5	0.00	55

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
11	BORE		ON	NW/33.7	0.00	58
12	BORE		ON	NNE/36.2	0.00	60
13	WWIS		lot 6 con 3 ON Well ID: 1501427	E/40.3	0.00	61
14	WWIS		lot 5 con 3 ON Well ID: 1501415	ENE/42.1	0.00	63
15	SCT	Orleans Printers Ltd.	6102 Renaud Rd Unit 1 Orleans ON K1W 1E9	ESE/42.5	0.00	66
16	WWIS		lot 6 con 4 ON Well ID: 1501529	ESE/42.8	-0.05	66
17	WWIS		lot 6 con 3 GLOUCESTER ON Well ID: 7163106	NW/48.8	0.00	69
18	WWIS		lot 6 con 3 NAVAN ON Well ID: 7279124	WNW/48.8	0.00	75
19	GEN	LAURENT LEBLANC LIMITED	3000 NAVAN ROAD GLOUCESTER ON K1C 7G4	NW/49.8	0.00	76
19	EHS		3000 Navan Road Ottawa ON K1C 7G4	NW/49.8	0.00	77
19	GEN	Laurent Leblanc ltd	3000 Navan road Orlean ON K1C 7G4	NW/49.8	0.00	77
19	CA	Andre Leblanc Cartage Ltd.	3000 Navan Road Gloucester ON K1C 7G4	NW/49.8	0.00	77
19	CA	Andre Joseph Jean Leblanc	3000 Navan Road Gloucester ON K1C 7G4	NW/49.8	0.00	78

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
19	CA	Laurent Leblanc Limited	3000 Navan Road Gloucester ON K1C 7G4	NW/49.8	0.00	78
19	SCT	Laurent Leblanc Ltd.	3000 Navan Rd Orléans ON K1C 7G4	NW/49.8	0.00	78
19	GEN	Laurent Leblanc ltd	3000 Navan road Orlean ON K1C 7G4	NW/49.8	0.00	79
19	GEN	Laurent Leblanc ltd	3000 Navan road Orlean ON K1C 7G4	NW/49.8	0.00	79
19	GEN	Laurent Leblanc ltd	3000 Navan road Orlean ON K1C 7G4	NW/49.8	0.00	79
19	GEN	Laurent Leblanc ltd	3000 Navan road Orleans ON	NW/49.8	0.00	80
19	GEN	Laurent Leblanc ltd	3000 Navan road Orleans ON	NW/49.8	0.00	80
19	ECA	Andre Joseph Jean Leblanc	3000 Navan Road Gloucester ON K1C 7G4	NW/49.8	0.00	80
19	ECA	Laurent Leblanc Limited	3000 Navan Road Gloucester ON K1C 7G4	NW/49.8	0.00	80
19	ECA	Andre Leblanc Cartage Ltd.	3000 Navan Road Gloucester ON K1C 7G4	NW/49.8	0.00	81
19	GEN	Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	NW/49.8	0.00	81
19	GEN	Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	NW/49.8	0.00	81
19	GEN	Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	NW/49.8	0.00	82

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
19	GEN	Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	NW/49.8	0.00	82
19	EASR	2561678 ONTARIO INC.	3000 NAVAN RD ORLEANS ON K1C 7G4	NW/49.8	0.00	83
19	GEN	Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	NW/49.8	0.00	83
20	WWIS		lot 6 con 4 ON Well ID: 1501528	E/51.3	0.00	83
21	EHS		3096 Navan Rd Ottawa ON K1W1E9	E/52.8	0.00	86
22	EHS		6102 Renaud Rd Ottawa ON K1W1E9	ESE/53.0	-0.77	86
23	EHS		2968 Navan Rd Ottawa ON K1C7G4	WNW/55.4	0.00	86
24	EHS		2973 Navan Rd Ottawa ON K1C7G4	NW/57.8	0.00	87
25	WWIS		lot 6 con 2 ON Well ID: 1511923	NW/59.2	0.00	87
26	WWIS		lot 6 con 3 ON Well ID: 1501531	NW/63.0	0.00	90
27	WWIS		lot 5 con 3 ON Well ID: 1510713	ENE/76.4	1.00	93
28	WWIS		OTTAWA ON Well ID: 7300715	ESE/83.5	-1.00	96
29	EHS		3097 and 3107 Navan Road Ottawa ON K1W1E9	ENE/85.9	0.68	99

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
30	HINC		6126 RENAUD ROAD GLOUCESTER ON K1W 1E9	E/90.5	0.00	99
30	HINC		6126 RENAUD ROAD GLOUCESTER ON K1W 1E9	E/90.5	0.00	99
31	WWIS		OTTAWA ON <i>Well ID:</i> 7300645	ESE/94.2	-0.69	100
32	WWIS		lot 6 con 3 ON <i>Well ID:</i> 1510718	NE/94.4	0.80	103
33	BORE		ON	NE/94.6	0.80	106
34	BORE		ON	SE/95.4	-2.00	107
35	WWIS		lot 6 con 4 ON <i>Well ID:</i> 1501530	SE/95.7	-2.00	108
36	WWIS		lot 6 con 4 OTTAWA ON <i>Well ID:</i> 7300644	ESE/97.2	-1.00	111
37	BORE		ON	ENE/98.5	1.00	114
38	ECA	City of Ottawa	2955 Navan Rd Ottawa ON K2G 6J8	NW/118.2	0.76	115
39	EHS		2955 Navan Rd Ottawa ON K1C7G4	NW/118.2	0.76	116
40	HINC		2777 PAGE ROAD Orleans ON K1W 1G1	ENE/122.0	1.00	116
41	WWIS		lot 5 con 3 ON <i>Well ID:</i> 1511515	NE/131.4	1.00	116

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
42	WWIS		ON Well ID: 7292790	NW/131.7	1.03	119
43	HINC		231 LUCINDA CRESCENT ORLEANS ON K1W 0A1	SSW/132.2	-5.67	120
44	WWIS		lot 5 con 3 ON Well ID: 1511514	NE/139.4	1.00	120
45	WWIS		lot 6 con 3 ON Well ID: 1501453	NE/140.6	1.00	123
46	CA	Minto Communities Inc.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester Ottawa ON	ENE/141.4	1.00	126
46	CA	Richcraft Homes Ltd.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester Ottawa ON	ENE/141.4	1.00	126
46	ECA	Richcraft Homes Ltd.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa Ottawa ON K1G 4K1	ENE/141.4	1.00	126
46	ECA	Minto Communities Inc.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa Ottawa ON K1P 0B6	ENE/141.4	1.00	127
47	EHS		Navan Rd Renaud Rd Ottawa ON	E/145.1	1.00	127
48	SPL		Renaud Rd and Navan Rd Ottawa ON	E/145.2	1.00	127
49	WWIS		lot 5 con 3 ON Well ID: 1510712	NE/157.1	1.00	128
50	BORE		ON	NE/157.2	1.00	131

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
51	EHS		Navan Rd Ottawa ON	NW/182.1	0.82	132
52	PINC		362 Saddleridge Drive, Ottawa ON	ESE/184.5	-3.00	132
53	WWIS		lot 5 con 4 ON Well ID: 1509638	E/185.6	1.00	133
54	WWIS		lot 5 con 3 ON Well ID: 1501412	NE/192.5	1.00	136
55	EHS		Navan Road Ottawa ON	NNW/215.8	0.00	138
56	PINC		700 MORNINGSTAR WAY, OTTAWA ON	ENE/225.2	1.00	138
56	SPL	Enbridge Gas Distribution Inc.	700 Morningstar Way Ottawa ON	ENE/225.2	1.00	139
57	WWIS		lot 5 con 4 ON Well ID: 1501527	E/226.1	1.00	139
58	ECA	Jean-Guy Rivard	6048 Renaud Rd Ottawa ON K1C 6Z7	SSE/229.8	-7.03	141
59	EASR	AECON CONSTRUCTION ONTARIO EAST LIMITED	ON	NW/232.0	-1.82	142
60	CA	Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester) Ottawa ON	E/236.8	1.00	142
60	CA	Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 and 6, Concession 4 Ottawa ON	E/236.8	1.00	142
60	ECA	Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester) Ottawa ON K2P 0Y6	E/236.8	1.00	143

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
60	ECA	Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 and 6, Concession 4 Ottawa ON K2P 0Y6	E/236.8	1.00	143
60	ECA	Claridge Homes (Carson) Inc.	3138 Navan Rd Ottawa ON K2P 0Y6	E/236.8	1.00	143
61	PINC		6173 Renaud Road, Ottawa ON	ENE/243.9	1.00	143
62	WWIS		Ottawa ON Well ID: 7220992	E/244.4	1.00	144
63	EHS		3143 Navan Road Navan ON K4B 1H9	E/245.6	1.00	147
64	WWIS		lot 5 con 3 ON Well ID: 1511711	NE/247.6	1.00	147
65	EHS		6173 Renaud Road Navan ON K4B 1H9	ENE/250.8	1.00	149

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 8 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	0.0	<u>1</u>
	ON	12.2	<u>5</u>
	ON	33.7	<u>11</u>
	ON	36.2	<u>12</u>
	ON	94.6	<u>33</u>
	ON	95.4	<u>34</u>
	ON	98.5	<u>37</u>
	ON	157.2	<u>50</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 7 CA site(s) within approximately 0.25 kilometers of

the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Laurent Leblanc Limited	3000 Navan Road Gloucester ON K1C 7G4	49.8	<u>19</u>
Andre Leblanc Cartage Ltd.	3000 Navan Road Gloucester ON K1C 7G4	49.8	<u>19</u>
Andre Joseph Jean Leblanc	3000 Navan Road Gloucester ON K1C 7G4	49.8	<u>19</u>
Richcraft Homes Ltd.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester Ottawa ON	141.4	<u>46</u>
Minto Communities Inc.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester Ottawa ON	141.4	<u>46</u>
Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester) Ottawa ON	236.8	<u>60</u>
Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 and 6, Concession 4 Ottawa ON	236.8	<u>60</u>

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Apr 30, 2020 has found that there are 2 EASR site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
2561678 ONTARIO INC.	3000 NAVAN RD ORLEANS ON K1C 7G4	49.8	<u>19</u>
AECON CONSTRUCTION ONTARIO EAST LIMITED	ON	232.0	<u>59</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Apr 30, 2020 has found that there are 10 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Andre Joseph Jean Leblanc	3000 Navan Road Gloucester ON K1C 7G4	49.8	<u>19</u>
Laurent Leblanc Limited	3000 Navan Road Gloucester ON K1C 7G4	49.8	<u>19</u>
Andre Leblanc Cartage Ltd.	3000 Navan Road Gloucester ON K1C 7G4	49.8	<u>19</u>
City of Ottawa	2955 Navan Rd Ottawa ON K2G 6J8	118.2	<u>38</u>
Minto Communities Inc.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa Ottawa ON K1P 0B6	141.4	<u>46</u>
Richcraft Homes Ltd.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa Ottawa ON K1G 4K1	141.4	<u>46</u>
Jean-Guy Rivard	6048 Renaud Rd Ottawa ON K1C 6Z7	229.8	<u>58</u>
Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 and 6, Concession 4 Ottawa ON K2P 0Y6	236.8	<u>60</u>
Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester) Ottawa ON K2P 0Y6	236.8	<u>60</u>
Claridge Homes (Carson) Inc.	3138 Navan Rd Ottawa ON K2P 0Y6	236.8	<u>60</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2020 has found that there are 12 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	3000 Navan Road Ottawa ON K1C 7G4	49.8	<u>19</u>
	3096 Navan Rd Ottawa ON K1W1E9	52.8	<u>21</u>
	6102 Renaud Rd Ottawa ON K1W1E9	53.0	<u>22</u>
	2968 Navan Rd Ottawa ON K1C7G4	55.4	<u>23</u>
	2973 Navan Rd Ottawa ON K1C7G4	57.8	<u>24</u>
	3097 and 3107 Navan Road Ottawa ON K1W1E9	85.9	<u>29</u>
	2955 Navan Rd Ottawa ON K1C7G4	118.2	<u>39</u>
	Navan Rd Renaud Rd Ottawa ON	145.1	<u>47</u>
	Navan Rd Ottawa ON	182.1	<u>51</u>
	Navan Road Ottawa ON	215.8	<u>55</u>
	3143 Navan Road Navan ON K4B 1H9	245.6	<u>63</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	6173 Renaud Road Navan ON K4B 1H9	250.8	65

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2017 has found that there are 2 FST site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
MARCEL BRAZEAU TOP SOIL	3060 NAVAN RD NAVAN ON K4B	0.0	1
MARCEL BRAZEAU TOP SOIL	3060 NAVAN RD NAVAN ON K4B	0.0	1

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 2 FSTH site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
MARCEL BRAZEAU TOP SOIL	3060 NAVAN RD NAVAN ON	0.0	1
MARCEL BRAZEAU TOP SOIL	3060 NAVAN RD NAVAN ON	0.0	1

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jan 31, 2020 has found that there are 17 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
MARCEL BRAZEAU LTD.	LOT 6, CONC. 3 OFF NAVAN ROAD C/O BOX 231 R.R.#9 GLOUCESTER ON K1G 3N5	0.0	1

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
MARCEL BRAZEAU LTD.	3060 NAVAN ROAD GLOUCESTER ON K1G 3N5	0.0	<u>1</u>
MARCEL BRAZEAU LTD.	3060 NAVAN ROAD GLOUCESTER ON K1W 1E9	0.0	<u>1</u>
MARCEL BRAZEAU LTD.	3060 NAVAN ROAD GLOUCESTER ON K1W 1E9	0.0	<u>1</u>
MARCEL BRAZEAU LTD. 26-391	3060 NAVAN ROAD GLOUCESTER ON K1G 3N5	0.0	<u>1</u>
Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	49.8	<u>19</u>
LAURENT LEBLANC LIMITED	3000 NAVAN ROAD GLOUCESTER ON K1C 7G4	49.8	<u>19</u>
Laurent Leblanc ltd	3000 Navan road Orlean ON K1C 7G4	49.8	<u>19</u>
Laurent Leblanc ltd	3000 Navan road Orlean ON K1C 7G4	49.8	<u>19</u>
Laurent Leblanc ltd	3000 Navan road Orlean ON K1C 7G4	49.8	<u>19</u>
Laurent Leblanc ltd	3000 Navan road Orlean ON K1C 7G4	49.8	<u>19</u>
Laurent Leblanc ltd	3000 Navan road Orleans ON	49.8	<u>19</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Laurent Leblanc ltd	3000 Navan road Orleans ON	49.8	<u>19</u>
Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	49.8	<u>19</u>
Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	49.8	<u>19</u>
Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	49.8	<u>19</u>
Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	49.8	<u>19</u>

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 4 HINC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	6126 RENAUD ROAD GLOUCESTER ON K1W 1E9	90.5	<u>30</u>
	6126 RENAUD ROAD GLOUCESTER ON K1W 1E9	90.5	<u>30</u>
	2777 PAGE ROAD Orleans ON K1W 1G1	122.0	<u>40</u>
	231 LUCINDA CRESCENT ORLEANS ON K1W 0A1	132.2	<u>43</u>

INC - Fuel Oil Spills and Leaks

A search of the INC database, dated Feb 28, 2017 has found that there are 1 INC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	6071 Renaud Road, Orleans ON K1C 7G4	28.4	7

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 3 PINC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	362 Saddleridge Drive, Ottawa ON	184.5	52
	700 MORNINGSTAR WAY, OTTAWA ON	225.2	56
	6173 Renaud Road, Ottawa ON	243.9	61

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 2 SCT site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Orleans Printers Ltd.	6102 Renaud Rd Unit 1 Orleans ON K1W 1E9	42.5	15
Laurent Leblanc Ltd.	3000 Navan Rd Orléans ON K1C 7G4	49.8	19

SPL - Ontario Spills

A search of the SPL database, dated 1988-Aug 2019 has found that there are 6 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Enbridge Gas Distribution Inc.	3060 Navan Rd Ottawa ON	0.0	1
BUS	NAVAN VILLAGE, NAVAN RD & PAGE RD. MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON	7.6	2
Enbridge Gas Distribution Inc.	6071 renaud Road, Orleans<UNOFFICIAL> Ottawa ON K1C 7G4	28.4	7
Enbridge Gas Distribution Inc.	6071 renaud Road, Orleans<UNOFFICIAL> Ottawa ON K1C 7G4	28.4	7
	Renaud Rd and Navan Rd Ottawa ON	145.2	48
Enbridge Gas Distribution Inc.	700 Morningstar Way Ottawa ON	225.2	56

WWIS - Water Well Information System

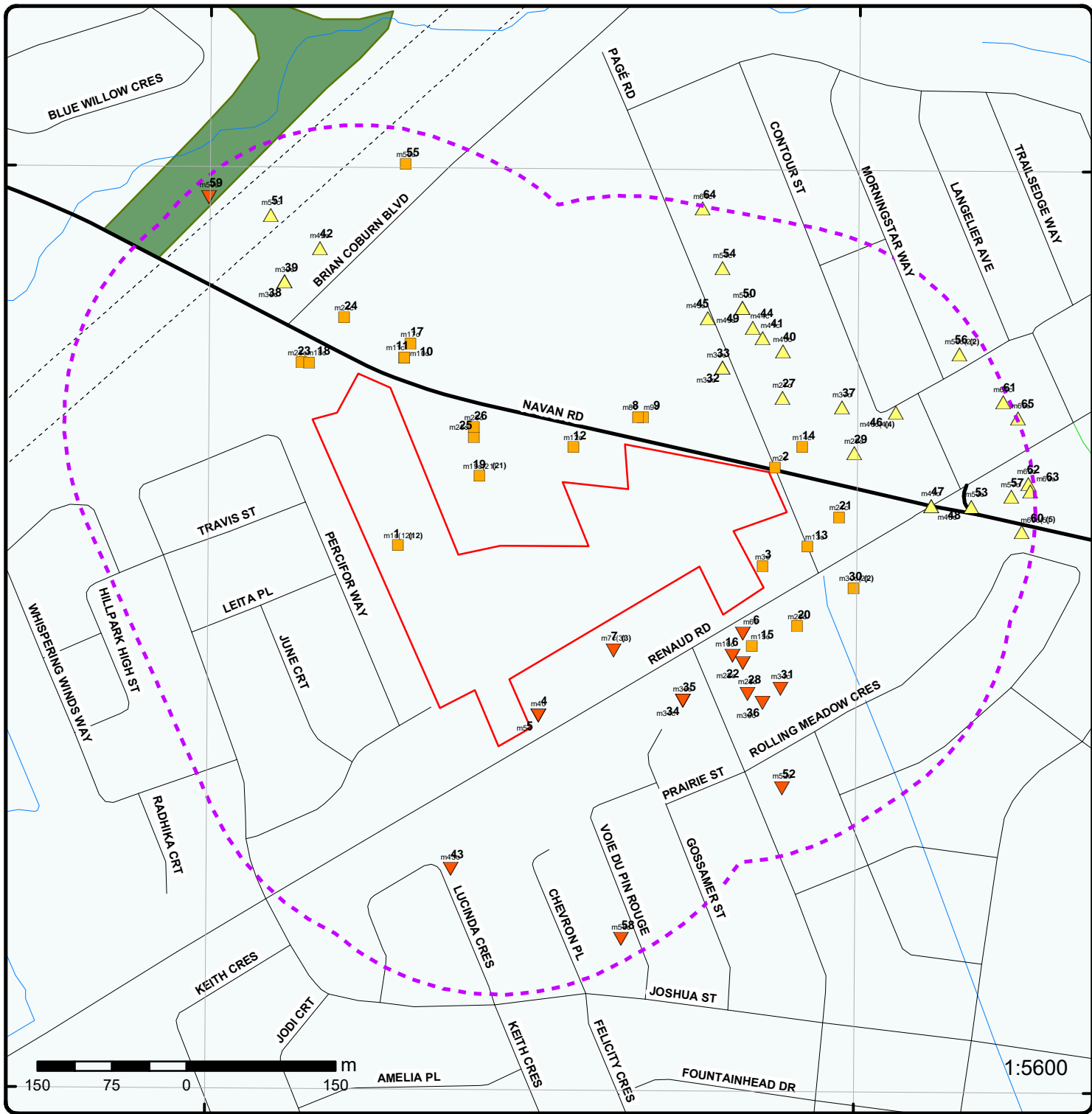
A search of the WWIS database, dated Feb 28, 2019 has found that there are 31 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 6 con 3 ON <i>Well ID:</i> 1501420	0.0	1
	lot 6 con 3 ON <i>Well ID:</i> 1510706	9.0	3
	lot 6 con 3 ON <i>Well ID:</i> 1501421	12.1	4
	OTTAWA ON	27.4	6

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 7300714		
	lot 6 con 3 ON	29.1	<u>8</u>
	<i>Well ID:</i> 1501429		
	lot 6 con 3 ON	30.0	<u>9</u>
	<i>Well ID:</i> 1511098		
	lot 6 con 3 ON	33.5	<u>10</u>
	<i>Well ID:</i> 1510906		
	lot 6 con 3 ON	40.3	<u>13</u>
	<i>Well ID:</i> 1501427		
	lot 5 con 3 ON	42.1	<u>14</u>
	<i>Well ID:</i> 1501415		
	lot 6 con 4 ON	42.8	<u>16</u>
	<i>Well ID:</i> 1501529		
	lot 6 con 3 GLOUCESTER ON	48.8	<u>17</u>
	<i>Well ID:</i> 7163106		
	lot 6 con 3 NAVAN ON	48.8	<u>18</u>
	<i>Well ID:</i> 7279124		
	lot 6 con 4 ON	51.3	<u>20</u>
	<i>Well ID:</i> 1501528		
	lot 6 con 2 ON	59.2	<u>25</u>
	<i>Well ID:</i> 1511923		
	lot 6 con 3 ON	63.0	<u>26</u>
	<i>Well ID:</i> 1501531		

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 5 con 3 ON <i>Well ID:</i> 1510713	76.4	<u>27</u>
	OTTAWA ON <i>Well ID:</i> 7300715	83.5	<u>28</u>
	OTTAWA ON <i>Well ID:</i> 7300645	94.2	<u>31</u>
	lot 6 con 3 ON <i>Well ID:</i> 1510718	94.4	<u>32</u>
	lot 6 con 4 ON <i>Well ID:</i> 1501530	95.7	<u>35</u>
	lot 6 con 4 OTTAWA ON <i>Well ID:</i> 7300644	97.2	<u>36</u>
	lot 5 con 3 ON <i>Well ID:</i> 1511515	131.4	<u>41</u>
	ON <i>Well ID:</i> 7292790	131.7	<u>42</u>
	lot 5 con 3 ON <i>Well ID:</i> 1511514	139.4	<u>44</u>
	lot 6 con 3 ON <i>Well ID:</i> 1501453	140.6	<u>45</u>
	lot 5 con 3 ON <i>Well ID:</i> 1510712	157.1	<u>49</u>
	lot 5 con 4 ON	185.6	<u>53</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 1509638		
	lot 5 con 3 ON	192.5	54
	<i>Well ID:</i> 1501412		
	lot 5 con 4 ON	226.1	57
	<i>Well ID:</i> 1501527		
	Ottawa ON	244.4	62
	<i>Well ID:</i> 7220992		
	lot 5 con 3 ON	247.6	64
	<i>Well ID:</i> 1511711		



Map : 0.25 Kilometer Radius

Order Number: 20200508091

Address: Navan and Renaud Road, Ottawa, ON

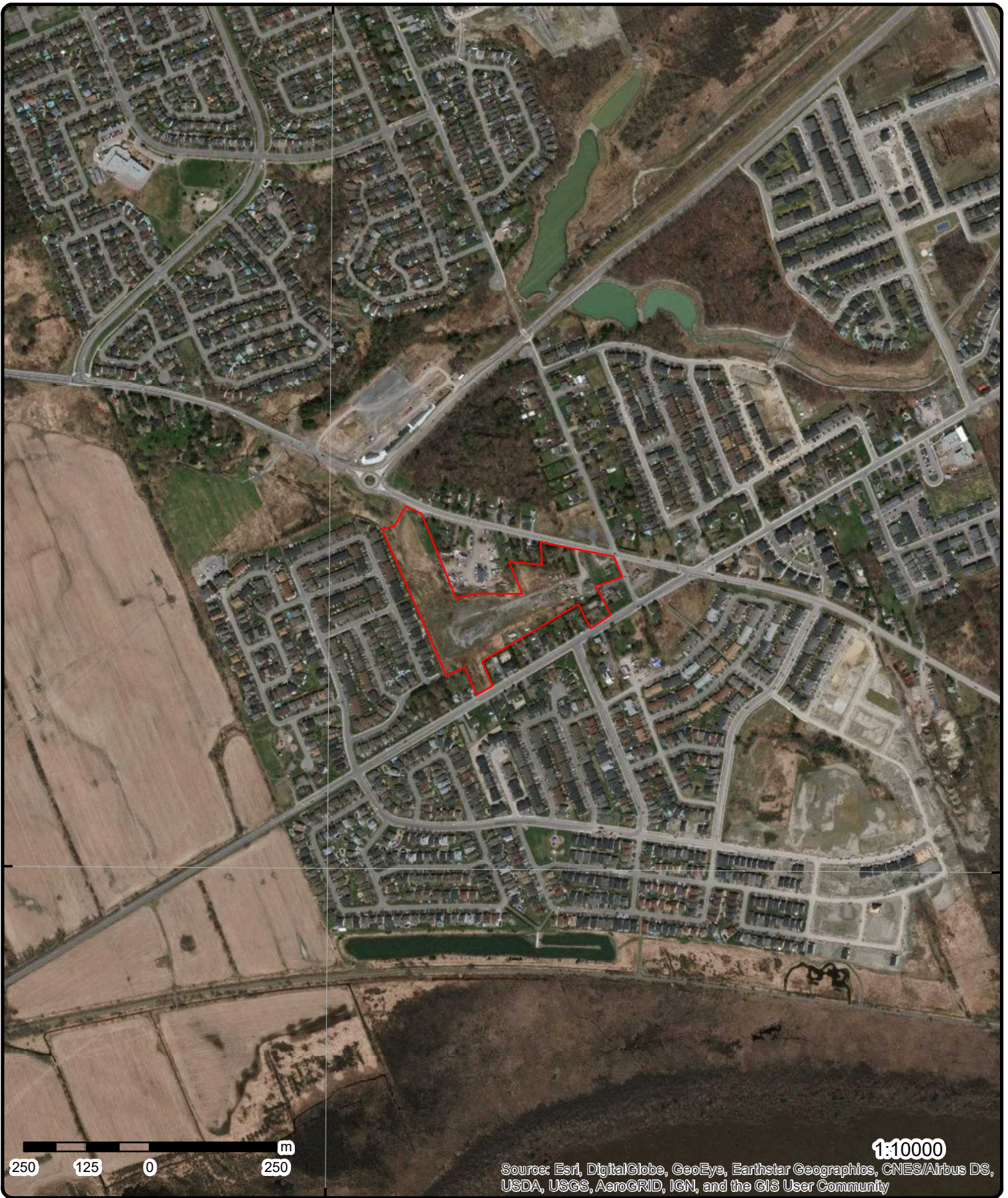


Project Property	Expressway	Industrial and Resource - Regions	National Park
Buffer Outline	Principal Highway	Main Line	Provincial or Territorial Park
Eris Sites with Higher Elevation	Secondary Highway	Sidetrack	Other Park
Eris Sites with Same Elevation	Major Road	Transit Line	Golf Course or Driving Range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

75°31'30"W

45°25'30"N

45°25'30"N



Aerial Year: 2019

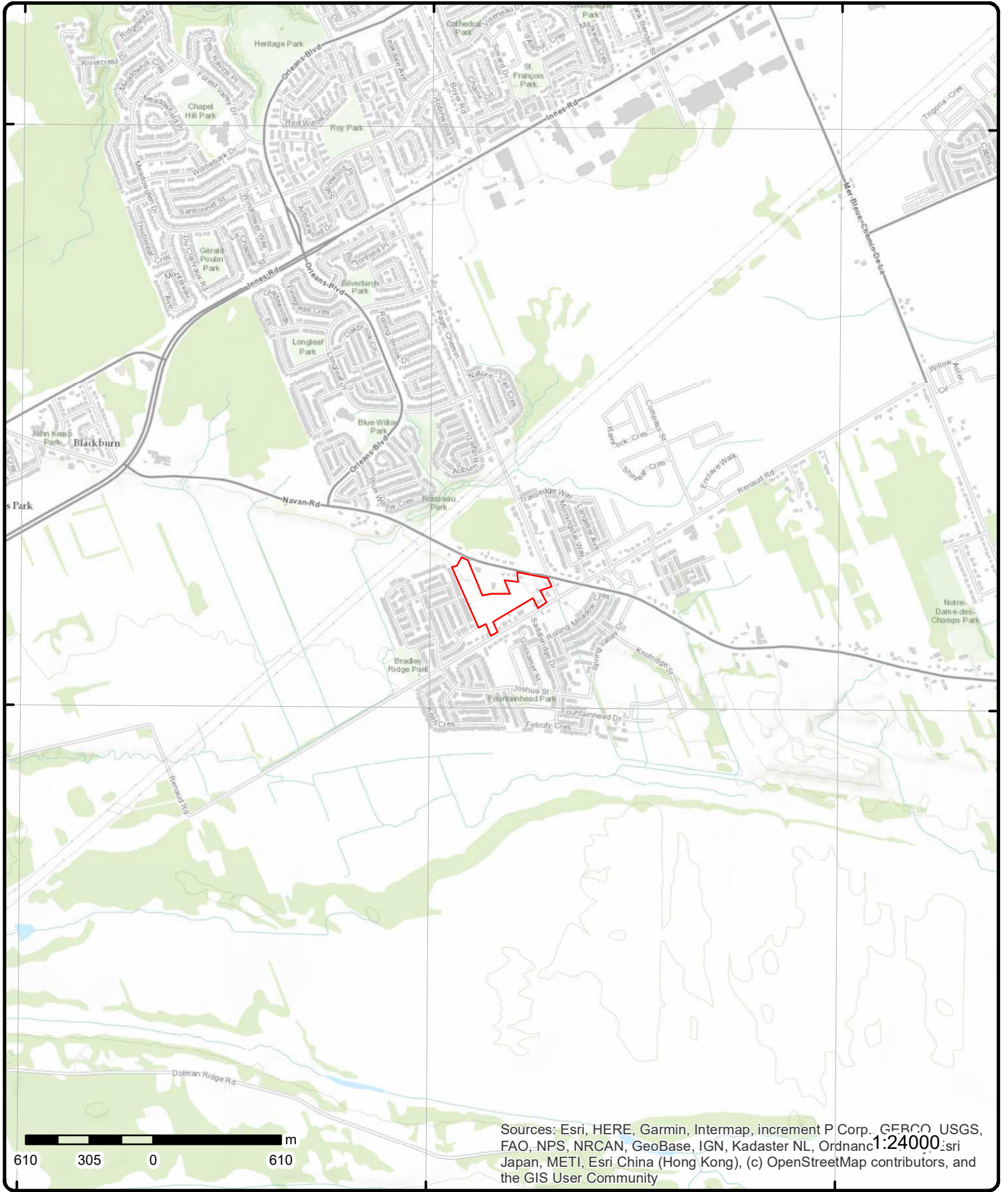
Address: Navan and Renaud Road, Ottawa, ON

Source: ESRI World Imagery

Order Number: 20200508091



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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Topographic Map

Address: Navan and Renaud Road, ON

Source: ESRI World Topographic Map

Order Number: 20200508091



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 12	E/0.0	79.9 / 0.00	lot 6 con 3 ON	WWIS

Well ID: 1501420
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 12/6/1960
Selected Flag: Yes
Abandonment Rec:
Contractor: 1802
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 006
Concession: 03
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10023463
DP2BR: 95
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 11/9/1960
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 78.547744
Elevrc:
Zone: 18
East83: 459480.8
North83: 5030797
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 930991788
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 09
Other Materials: MEDIUM SAND

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:		13			
Other Materials:		BOULDERS			
Formation Top Depth:		52			
Formation End Depth:		95			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930991787			
Layer:		1			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		52			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930991789			
Layer:		3			
Color:		8			
General Color:		BLACK			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		95			
Formation End Depth:		125			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10572033			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930039807			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		100			
Casing Diameter:		3			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930039808			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		125			
Casing Diameter:		3			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991501420			
Pump Set At:					
Static Level:		9			
Final Level After Pumping:		40			
Recommended Pump Depth:		60			
Pumping Rate:		5			
Flowing Rate:					
Recommended Pump Rate:		5			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		N			
<u>Water Details</u>					
Water ID:		933454127			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		120			
Water Found Depth UOM:		ft			

<u>1</u>	2 of 12	ESE/0.0	79.9 / 0.00	MARCEL BRAZEAU LTD. LOT 6, CONC. 3 OFF NAVAN ROAD C/O BOX 231 R.R.#9 GLOUCESTER ON K1G 3N5	GEN
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Generator No:	ON1212200	PO Box No:	
Status:		Country:	
Approval Years:	89	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No Admin:	
SIC Code:	4564		
SIC Description:	BULK DRY TRUCKING		

Detail(s)

Waste Class: 221

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		LIGHT FUELS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
1	3 of 12	W/0.0	79.9 / 0.00	MARCEL BRAZEAU LTD. 26-391 3060 NAVAN ROAD GLOUCESTER ON K1G 3N5	GEN
Generator No:		ON1212200		PO Box No:	
Status:		92,93,94,95,96,97,98		Country:	
Approval Years:		4564		Choice of Contact:	
Contam. Facility:		BULK DRY TRUCKING		Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
1	4 of 12	W/0.0	79.9 / 0.00	MARCEL BRAZEAU LTD. 3060 NAVAN ROAD GLOUCESTER ON K1G 3N5	GEN
Generator No:		ON1212200		PO Box No:	
Status:		99,00,01,02,03,04,05,06,07,08		Country:	
Approval Years:		4564		Choice of Contact:	
Contam. Facility:		BULK DRY TRUCKING		Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
1	5 of 12	W/0.0	79.9 / 0.00	MARCEL BRAZEAU TOP SOIL 3060 NAVAN RD NAVAN ON	FSTH
License Issue Date:		10/1/2001			
Tank Status:		Licensed			
Tank Status As Of:		August 2007			
Operation Type:		Private Fuel Outlet			
Facility Type:		Gasoline Station - Self Serve			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Status:		Active			
Year of Installation:		2001			
Corrosion Protection:					
Capacity:		9280			
Tank Fuel Type:		Liquid Fuel Single Wall AST - Gasoline			
Status:		Active			
Year of Installation:		2001			
Corrosion Protection:					
Capacity:		1345			
Tank Fuel Type:		Liquid Fuel Single Wall AST - Gasoline			
1	6 of 12	W/0.0	79.9 / 0.00	MARCEL BRAZEAU TOP SOIL 3060 NAVAN RD NAVAN ON	FSTH
License Issue Date:		10/1/2001			
Tank Status:		Licensed			
Tank Status As Of:		December 2008			
Operation Type:		Private Fuel Outlet			
Facility Type:		Gasoline Station - Self Serve			
--Details--					
Status:		Active			
Year of Installation:		2001			
Corrosion Protection:					
Capacity:		9280			
Tank Fuel Type:		Liquid Fuel Single Wall AST - Gasoline			
Status:		Active			
Year of Installation:		2001			
Corrosion Protection:					
Capacity:		1345			
Tank Fuel Type:		Liquid Fuel Single Wall AST - Gasoline			
1	7 of 12	E/0.0	79.9 / 0.00	ON	BORE
Borehole ID:	615087			Inclin FLG:	No
OGF ID:	215516029			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:				Municipality:	
Static Water Level:	9.5			Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.430378
Total Depth m:	-999			Longitude DD:	-75.517868
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	459491
Drill Method:				Northing:	5030892
Orig Ground Elev m:	79.2			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	79.8				
Concession:					
Location D:					
Survey D:					
Comments:					

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

Geology Stratum ID: 218400374
Top Depth: 29
Bottom Depth:
Material Color: Red
Material 1: Bedrock
Material 2: Shale
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: BEDROCK. 00062HERED. 000100140008910030RED. 00005004000300540190100 020 00065 **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 218400372
Top Depth: 0
Bottom Depth: 17.7
Material Color:
Material 1: Clay
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY.

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

Geology Stratum ID: 218400373
Top Depth: 17.7
Bottom Depth: 29
Material Color:
Material 1: Gravel
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: GRAVEL. WATER STABLE AT 228.9 FEET.

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

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: M
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 075950 NTS_Sheet: 31G05H
Confiden 1: Reliable information but incomplete.

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

Source List

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

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

<u>1</u>	8 of 12	W/0.0	79.9 / 0.00	MARCEL BRAZEAU LTD. 3060 NAVAN ROAD GLOUCESTER ON K1W 1E9	GEN
Generator No:	ON1212200			PO Box No:	
Status:				Country:	
Approval Years:	2009			Choice of Contact:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam. Facility: MHSW Facility: SIC Code: SIC Description:	561730	Landscaping Services		Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		212 ALIPHATIC SOLVENTS			
Waste Class: Waste Class Desc:		221 LIGHT FUELS			
Waste Class: Waste Class Desc:		251 OIL SKIMMINGS & SLUDGES			
Waste Class: Waste Class Desc:		252 WASTE OILS & LUBRICANTS			

<u>1</u>	9 of 12	W/0.0	79.9 / 0.00	MARCEL BRAZEAU LTD. 3060 NAVAN ROAD GLOUCESTER ON K1W 1E9	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON1212200 2010 561730	Landscaping Services		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		212 ALIPHATIC SOLVENTS			
Waste Class: Waste Class Desc:		251 OIL SKIMMINGS & SLUDGES			
Waste Class: Waste Class Desc:		252 WASTE OILS & LUBRICANTS			
Waste Class: Waste Class Desc:		221 LIGHT FUELS			

<u>1</u>	10 of 12	W/0.0	79.9 / 0.00	MARCEL BRAZEAU TOP SOIL 3060 NAVAN RD NAVAN ON K4B	FST
Instance No: Cont Name: Instance Type: Fuel Type: Status: Capacity: Tank Material: Corrosion Protection: Tank Type: Install Year: Parent Facility Type: Facility Type:	11649401 FS Liquid Fuel Tank Gasoline Active 9280 Steel Coating Single Wall Horizontal AST 2001 Fuels Safety Private Fuel Outlet - Self Serve FS Liquid Fuel Tank				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	11 of 12	W/0.0	79.9 / 0.00	MARCEL BRAZEAU TOP SOIL 3060 NAVAN RD NAVAN ON K4B	FST
<p>Instance No: 11649418</p> <p>Cont Name:</p> <p>Instance Type: FS Liquid Fuel Tank</p> <p>Fuel Type: Gasoline</p> <p>Status: Active</p> <p>Capacity: 1345</p> <p>Tank Material: Steel</p> <p>Corrosion Protection: Coating</p> <p>Tank Type: Single Wall Horizontal AST</p> <p>Install Year: 2001</p> <p>Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve</p> <p>Facility Type: FS Liquid Fuel Tank</p>					
1	12 of 12	W/0.0	79.9 / 0.00	Enbridge Gas Distribution Inc. 3060 Navan Rd Ottawa ON	SPL
<p>Ref No: 2256-ARRND6</p> <p>Site No: NA</p> <p>Incident Dt: 10/2/2017</p> <p>Year:</p> <p>Incident Cause:</p> <p>Incident Event: Leak/Break</p> <p>Contaminant Code: 35</p> <p>Contaminant Name: NATURAL GAS (METHANE)</p> <p>Contaminant Limit 1:</p> <p>Contam Limit Freq 1:</p> <p>Contaminant UN No 1: 1075</p> <p>Environment Impact:</p> <p>Nature of Impact:</p> <p>Receiving Medium:</p> <p>Receiving Env: Air</p> <p>MOE Response: No</p> <p>Dt MOE Arvl on Scn:</p> <p>MOE Reported Dt: 10/2/2017</p> <p>Dt Document Closed:</p> <p>Incident Reason: Operator/Human Error</p> <p>Site Name: Site of line strike<UNOFFICIAL></p> <p>Site County/District:</p> <p>Site Geo Ref Meth:</p> <p>Incident Summary: TSSA FSB; 1" pl, IP, residential line dmgd; made safe</p> <p>Contaminant Qty: 0 other - see incident description</p> <p>Discharger Report:</p> <p>Material Group:</p> <p>Health/Env Conseq: 2 - Minor Environment Corporation</p> <p>Client Type: Miscellaneous Industrial</p> <p>Sector Type:</p> <p>Agency Involved:</p> <p>Nearest Watercourse:</p> <p>Site Address: 3060 Navan Rd</p> <p>Site District Office: Ottawa</p> <p>Site Postal Code:</p> <p>Site Region: Eastern</p> <p>Site Municipality: Ottawa</p> <p>Site Lot:</p> <p>Site Conc:</p> <p>Northing: 5030941.21</p> <p>Easting: 459389.33</p> <p>Site Geo Ref Accu:</p> <p>Site Map Datum:</p> <p>SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill</p> <p>Source Type: Valve/Fitting/Piping</p>					
2	1 of 1	ENE/7.6	79.9 / 0.00	BUS NAVAN VILLAGE, NAVAN RD & PAGE RD. MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON	SPL
<p>Ref No: 123268</p> <p>Site No:</p> <p>Incident Dt: 2/2/1996</p> <p>Year:</p> <p>Incident Cause: PIPE/HOSE LEAK</p> <p>Incident Event:</p> <p>Discharger Report:</p> <p>Material Group:</p> <p>Health/Env Conseq:</p> <p>Client Type:</p> <p>Sector Type:</p> <p>Agency Involved:</p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: NOT ANTICIPATED Nature of Impact: Receiving Medium: LAND Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 2/2/1996 Dt Document Closed: Incident Reason: EQUIPMENT FAILURE Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: OC TRANSPORTATION BUS- 5 LITRE HYDRAULIC OIL TO ROAD. WORKS CLEANING. Contaminant Qty:		Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 20601 Site Lot: Site Conc: Northing: Easting: GLOUCESTER WORKS DEPT Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:			

<u>3</u>	1 of 1	E/9.0	79.9 / 0.00	lot 6 con 3 ON	WWIS
Well ID: 1510706 Construction Date: Primary Water Use: Domestic Sec. Water Use: 0 Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:		Data Entry Status: Data Src: 1 Date Received: 7/30/1970 Selected Flag: Yes Abandonment Rec: Contractor: 1504 Form Version: 1 Owner: Street Name: County: OTTAWA-CARLETON Municipality: GLOUCESTER TOWNSHIP Site Info: Lot: 006 Concession: 03 Concession Name: OF Easting NAD83: Northing NAD83: Zone: UTM Reliability:			
<u>Bore Hole Information</u>					
Bore Hole ID: 10032726 DP2BR: 100 Spatial Status: Code OB: r Code OB Desc: Bedrock Open Hole: Cluster Kind: Date Completed: 3/14/1969 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:		Elevation: 79.261154 Elevrc: Zone: 18 East83: 459490.8 North83: 5030822 Org CS: UTMRC: 5 UTMRC Desc: margin of error : 100 m - 300 m Location Method: p5			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931015625			
Layer:		2			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		3			
Formation End Depth:		100			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931015626			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		100			
Formation End Depth:		103			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931015624			
Layer:		1			
Color:		5			
General Color:		YELLOW			
Mat1:		28			
Most Common Material:		SAND			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		3			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10581296			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930058020				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	103				
Casing Diameter:	2				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	991510706				
Pump Set At:					
Static Level:	18				
Final Level After Pumping:	40				
Recommended Pump Depth:	50				
Pumping Rate:	10				
Flowing Rate:					
Recommended Pump Rate:	6				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	1				
Pumping Duration HR:	2				
Pumping Duration MIN:	0				
Flowing:	N				
<u>Water Details</u>					
Water ID:	933465742				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	103				
Water Found Depth UOM:	ft				

<u>4</u>	1 of 1	S/12.1	77.9 / -2.00	lot 6 con 3 ON	WWIS
Well ID:	1501421			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	5/25/1961
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1504
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	006
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	OF

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID:	10023464			Elevation:	75.335517
DP2BR:	100			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	459265.8
Code OB Desc:	Bedrock			North83:	5030672
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	1/7/1961			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	930991791				
Layer:	2				
Color:	6				
General Color:	BROWN				
Mat1:	19				
Most Common Material:	SLATE				
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:	100				
Formation End Depth:	116				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	930991790				
Layer:	1				
Color:					
General Color:					
Mat1:	05				
Most Common Material:	CLAY				
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	100				
Formation End Depth UOM:	ft				
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Method Construction Code:</i>	7				
<i>Method Construction:</i>	Diamond				
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>	10572034				
<i>Casing No:</i>	1				
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>	930039809				
<i>Layer:</i>	1				
<i>Material:</i>	1				
<i>Open Hole or Material:</i>	STEEL				
<i>Depth From:</i>					
<i>Depth To:</i>	110				
<i>Casing Diameter:</i>	2				
<i>Casing Diameter UOM:</i>	inch				
<i>Casing Depth UOM:</i>	ft				
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>	930039810				
<i>Layer:</i>	2				
<i>Material:</i>	4				
<i>Open Hole or Material:</i>	OPEN HOLE				
<i>Depth From:</i>					
<i>Depth To:</i>	116				
<i>Casing Diameter:</i>	2				
<i>Casing Diameter UOM:</i>	inch				
<i>Casing Depth UOM:</i>	ft				
<u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>	991501421				
<i>Pump Set At:</i>					
<i>Static Level:</i>	21				
<i>Final Level After Pumping:</i>	40				
<i>Recommended Pump Depth:</i>	40				
<i>Pumping Rate:</i>	7				
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>	7				
<i>Levels UOM:</i>	ft				
<i>Rate UOM:</i>	GPM				
<i>Water State After Test Code:</i>	1				
<i>Water State After Test:</i>	CLEAR				
<i>Pumping Test Method:</i>	1				
<i>Pumping Duration HR:</i>	6				
<i>Pumping Duration MIN:</i>	0				
<i>Flowing:</i>	N				
<u>Water Details</u>					
<i>Water ID:</i>	933454128				
<i>Layer:</i>	1				
<i>Kind Code:</i>	1				
<i>Kind:</i>	FRESH				
<i>Water Found Depth:</i>	116				
<i>Water Found Depth UOM:</i>	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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5 1 of 1 S/12.2 77.9 / -2.00 ON BORE

Borehole ID:	615081	Inclin FLG:	No
OGF ID:	215516023	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:	JAN-1961	Municipality:	
Static Water Level:		Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	45.428385
Total Depth m:	35.4	Longitude DD:	-75.520727
Depth Ref:	Ground Surface	UTM Zone:	18
Depth Elev:		Easting:	459266
Drill Method:		Northing:	5030672
Orig Ground Elev m:	76.2	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Not Applicable
DEM Ground Elev m:	75.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218400353	Mat Consistency:	
Top Depth:	30.5	Material Moisture:	
Bottom Depth:	35.4	Material Texture:	
Material Color:	Brown	Non Geo Mat Type:	
Material 1:	Slate	Geologic Formation:	
Material 2:		Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	SLATE. BROWN. 00116. BEDROCK. 00035 010 WEATHERED. 000100140008910030RED. 00 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218400352	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	30.5	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:	Clay	Geologic Formation:	
Material 2:		Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	CLAY.		

Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada	Source Iden:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:		Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 07589 NTS_Sheet:		
Confiden 1:			

Source List

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				

6	1 of 1	ESE/27.4	79.8 / -0.05	OTTAWA ON	WWIS
Well ID:	7300714			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Test Hole			Date Received:	12/5/2017
Sec. Water Use:	Monitoring			Selected Flag:	Yes
Final Well Status:	Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z263680			Owner:	
Tag:	A189878			Street Name:	6102 RENARD ST
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	1006862421	Elevation:	77.790771
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	459471
Code OB Desc:		North83:	5030754
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	10/2/2017	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1007045529
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	73
Other Materials:	HARD

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:	0				
Formation End Depth:	1				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	1007045531				
Layer:	3				
Color:	2				
General Color:	GREY				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:	06				
Other Materials:	SILT				
Mat3:	85				
Other Materials:	SOFT				
Formation Top Depth:	5				
Formation End Depth:	12				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	1007045530				
Layer:	2				
Color:	6				
General Color:	BROWN				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:	06				
Other Materials:	SILT				
Mat3:	85				
Other Materials:	SOFT				
Formation Top Depth:	1				
Formation End Depth:	5				
Formation End Depth UOM:	ft				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1007045539				
Layer:	1				
Plug From:	0				
Plug To:	1				
Plug Depth UOM:	ft				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1007045541				
Layer:	3				
Plug From:	4				
Plug To:	12				
Plug Depth UOM:	ft				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1007045540				
Layer:	2				
Plug From:	1				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Plug To: 4
 Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
 Method Construction Code: D
 Method Construction: Direct Push
 Other Method Construction:

Pipe Information

Pipe ID: 1007045528
 Casing No: 0
 Comment:
 Alt Name:

Construction Record - Casing

Casing ID: 1007045534
 Layer: 1
 Material: 5
 Open Hole or Material: PLASTIC
 Depth From: 0
 Depth To: 5
 Casing Diameter: 1.38
 Casing Diameter UOM: inch
 Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1007045535
 Layer: 1
 Slot: 10
 Screen Top Depth: 5
 Screen End Depth: 12
 Screen Material: 5
 Screen Depth UOM: ft
 Screen Diameter UOM: inch
 Screen Diameter: 1.66

Hole Diameter

Hole ID: 1007045532
 Diameter:
 Depth From: 0
 Depth To: 12
 Hole Depth UOM: ft
 Hole Diameter UOM: inch

[7](#)

1 of 3

SE/28.4

77.9 / -1.97

Enbridge Gas Distribution Inc.
 6071 renaud Road, Orleans<UNOFFICIAL>
 Ottawa ON K1C 7G4

SPL

Ref No: 3767-86WMPR
 Site No:
 Incident Dt:
 Year:
 Incident Cause:
 Incident Event:

Discharger Report:
 Material Group:
 Health/Env Conseq:
 Client Type:
 Sector Type:
 Agency Involved:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Possible Nature of Impact: Receiving Medium: Receiving Env: MOE Response: Referral to others Dt MOE Arvl on Scn: MOE Reported Dt: 6/30/2010 Dt Document Closed: 7/12/2010 Incident Reason: Site Name: 6071 renaud Road, Orleans<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: Pipeline stke, 4 inch plstic main, EG to make safe Contaminant Qty:				Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: TSSA - Fuel Safety Branch Source Type:	

7	2 of 3	SE/28.4	77.9 / -1.97	Enbridge Gas Distribution Inc. 6071 renaud Road, Orleans<UNOFFICIAL> Ottawa ON K1C 7G4	SPL
Ref No: 3767-86WMPR Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Possible Nature of Impact: Receiving Medium: Receiving Env: MOE Response: Referral to others Dt MOE Arvl on Scn: MOE Reported Dt: 6/30/2010 Dt Document Closed: 7/12/2010 Incident Reason: Site Name: 6071 renaud Road, Orleans<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: Pipeline stke, 4 inch plstic main, EG to make safe Contaminant Qty:				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 Municipality: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: TSSA - Fuel Safety Branch Source Type:	

7	3 of 3	SE/28.4	77.9 / -1.97	6071 Renaud Road, Orleans ON K1C 7G4	INC
Incident No: 416666 Incident ID: 2568366 Attribute Category: FS-Incident Status Code: Causal Analysis Complete Incident Location: 6071 Renaud Road, Orleans - 4" Pipeline Hit Drainage System: Sub Surface Contam.: Aff. Prop. Use Water: Contam. Migrated:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contact Natural Env.: Near Body of Water: Approx. Quant. Rel.: Equipment Model: Serial No.: Residential App. Type: Commercial App. Type: Industrial App. Type: Institutional App. Type: Venting Type: Vent Connector Mater: Vent Chimney Mater: Pipeline Type: Pipeline Involved: Pipe Material: Depth Ground Cover: Regulator Location: Regulator Type: Operation Pressure: Liquid Prop Make: Liquid Prop Model: Liquid Prop Serial No.: Equipment Type: Cylinder Capacity: Cylinder Capac. Units: Cylinder Material Type: Tank Capacity: Fuels Occurrence Type: Fuel Type Involved: Date of Occurrence: Time of Occurrence: Occur Insp Start Date: Any Health Impact: Any Environmental Impact: Was Service Interrupted: Was Property Damaged: Operation Type Involved: Enforcement Policy: Prc Escalation Required: Task No.: Notes: Occurrence Narrative: Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Capac: Liquid Prop Notes:		Main Distribution Pipeline Plastic .7m IP			
				4" line not identified on middle locate, excavation companies failed to call to clarify locate upon finding in active 2" line and dug without markings	

<u>8</u>	1 of 1	NE/29.1	79.9 / 0.00	lot 6 con 3 ON	WWIS
Well ID:	1501429			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	12/7/1962
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1504
Casing Material:				Form Version:	1
Audit No.:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth to Bedrock:				Lot:	006
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	10023472	Elevation:	80.868606
DP2BR:	90	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	459365.8
Code OB Desc:	Bedrock	North83:	5030972
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	11/16/1962	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930991807
Layer:	1
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930991810
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	19
Most Common Material:	SLATE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	95
Formation End Depth:	107
Formation End Depth UOM:	ft

Overburden and Bedrock

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:		930991809			
Layer:		3			
Color:					
General Color:					
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		90			
Formation End Depth:		95			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930991808			
Layer:		2			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		12			
Formation End Depth:		90			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10572042			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930039826			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		107			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID:		930039825			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		97			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991501429			
Pump Set At:					
Static Level:		20			
Final Level After Pumping:		30			
Recommended Pump Depth:		30			
Pumping Rate:		10			
Flowing Rate:					
Recommended Pump Rate:		10			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		N			
<u>Water Details</u>					
Water ID:		933454136			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		107			
Water Found Depth UOM:		ft			

<u>9</u>	1 of 1	NE/30.0	79.9 / 0.00	lot 6 con 3 ON	WWIS
Well ID:		1511098		Data Entry Status:	
Construction Date:				Data Src: 1	
Primary Water Use:		Domestic		Date Received: 3/26/1971	
Sec. Water Use:		0		Selected Flag: Yes	
Final Well Status:		Water Supply		Abandonment Rec:	
Water Type:				Contractor: 1504	
Casing Material:				Form Version: 1	
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County: OTTAWA-CARLETON	
Elevation (m):				Municipality: GLOUCESTER TOWNSHIP	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot: 006	
Well Depth:				Concession: 03	
Overburden/Bedrock:				Concession Name: OF	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Bore Hole Information</u>					
Bore Hole ID:	10033095			Elevation:	80.817977
DP2BR:	100			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	459370.8
Code OB Desc:	Bedrock			North83:	5030972
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	9/12/1970			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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931016668				
Layer:	1				
Color:	3				
General Color:	BLUE				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	100				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931016669				
Layer:	2				
Color:	6				
General Color:	BROWN				
Mat1:	19				
Most Common Material:	SLATE				
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:	100				
Formation End Depth:	106				
Formation End Depth UOM:	ft				
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:	7				
Method Construction:	Diamond				
Other Method Construction:					

Pipe Information

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID:		10581665			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930058720			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		106			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930058719			
Layer:		1			
Material:		2			
Open Hole or Material:		GALVANIZED			
Depth From:					
Depth To:		104			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991511098			
Pump Set At:					
Static Level:		32			
Final Level After Pumping:		50			
Recommended Pump Depth:		60			
Pumping Rate:		10			
Flowing Rate:					
Recommended Pump Rate:		6			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		N			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934642782			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		50			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934097636			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		45			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934899706			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		50			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934380649			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		50			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933466165			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		106			
Water Found Depth UOM:		ft			

<u>10</u>	1 of 1	NW/33.5	79.9 / 0.00	lot 6 con 3 ON	WWIS
Well ID:		1510906		Data Entry Status:	
Construction Date:				Data Src: 1	
Primary Water Use:		Domestic		Date Received: 11/4/1970	
Sec. Water Use:		0		Selected Flag: Yes	
Final Well Status:		Water Supply		Abandonment Rec:	
Water Type:				Contractor: 3504	
Casing Material:				Form Version: 1	
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County: OTTAWA-CARLETON	
Elevation (m):				Municipality: GLOUCESTER TOWNSHIP	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot: 006	
Well Depth:				Concession: 03	
Overburden/Bedrock:				Concession Name: OF	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:		10032909		Elevation: 84.741081	
DP2BR:		118		Elevrc:	
Spatial Status:				Zone: 18	
Code OB:		r		East83: 459130.8	
Code OB Desc:		Bedrock		North83: 5031032	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC: 4	
Date Completed:		9/29/1970		UTMRC Desc: margin of error : 30 m - 100 m	
Remarks:				Location Method: p4	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Elevrc Desc:</i>					
<i>Location Source Date:</i>					
<i>Improvement Location Source:</i>					
<i>Improvement Location Method:</i>					
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
<i>Formation ID:</i>			931016149		
<i>Layer:</i>			3		
<i>Color:</i>					
<i>General Color:</i>					
<i>Mat1:</i>			11		
<i>Most Common Material:</i>			GRAVEL		
<i>Mat2:</i>					
<i>Other Materials:</i>					
<i>Mat3:</i>					
<i>Other Materials:</i>					
<i>Formation Top Depth:</i>			105		
<i>Formation End Depth:</i>			118		
<i>Formation End Depth UOM:</i>			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
<i>Formation ID:</i>			931016147		
<i>Layer:</i>			1		
<i>Color:</i>			7		
<i>General Color:</i>			RED		
<i>Mat1:</i>			09		
<i>Most Common Material:</i>			MEDIUM SAND		
<i>Mat2:</i>					
<i>Other Materials:</i>					
<i>Mat3:</i>					
<i>Other Materials:</i>					
<i>Formation Top Depth:</i>			0		
<i>Formation End Depth:</i>			6		
<i>Formation End Depth UOM:</i>			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
<i>Formation ID:</i>			931016150		
<i>Layer:</i>			4		
<i>Color:</i>			8		
<i>General Color:</i>			BLACK		
<i>Mat1:</i>			17		
<i>Most Common Material:</i>			SHALE		
<i>Mat2:</i>					
<i>Other Materials:</i>					
<i>Mat3:</i>					
<i>Other Materials:</i>					
<i>Formation Top Depth:</i>			118		
<i>Formation End Depth:</i>			156		
<i>Formation End Depth UOM:</i>			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
<i>Formation ID:</i>			931016148		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		6			
Formation End Depth:		105			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10581479			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930058364			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		156			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930058363			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		118			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991510906			
Pump Set At:					
Static Level:		47			
Final Level After Pumping:		51			
Recommended Pump Depth:		70			
Pumping Rate:		10			
Flowing Rate:					
Recommended Pump Rate:		7			

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

Draw Down & Recovery

Pump Test Detail ID: 934097460
Test Type: Recovery
Test Duration: 15
Test Level: 47
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934642189
Test Type: Recovery
Test Duration: 45
Test Level: 47
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934381168
Test Type: Recovery
Test Duration: 30
Test Level: 47
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934899113
Test Type: Recovery
Test Duration: 60
Test Level: 47
Test Level UOM: ft

Water Details

Water ID: 933465954
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 150
Water Found Depth UOM: ft

11	1 of 1	NW/33.7	79.9 / 0.00	ON	BORE
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Borehole ID:	615097	Inclin FLG:	No
OGF ID:	215516039	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:	SEP-1970	Municipality:	
Static Water Level:		Lot:	
Primary Water Use:		Township:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Sec. Water Use:				Latitude DD:	45.431618
Total Depth m:	47.5			Longitude DD:	-75.522482
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	459131
Drill Method:				Northing:	5031032
Orig Ground Elev m:	82.3			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	84.7				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID: 218400409
Top Depth: 0
Bottom Depth: 1.8
Material Color: White
Material 1: Sand
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SAND. WHITE.

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

Geology Stratum ID: 218400410
Top Depth: 1.8
Bottom Depth: 32
Material Color: Grey
Material 1: Clay
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY. GREY.

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

Geology Stratum ID: 218400411
Top Depth: 32
Bottom Depth: 36
Material Color:
Material 1: Gravel
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: GRAVEL.

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

Geology Stratum ID: 218400412
Top Depth: 36
Bottom Depth: 47.5
Material Color: Black
Material 1: Shale
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SHALE. BLACK. 00150. CLAY. BROWN,GREY. SAND. UNSPECIFIED. 4000300540190100 020 **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada

Source Appl: Spatial/Tabular
Source Iden: 1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:				Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA2.txt RecordID: 07605 NTS_Sheet:				
Confiden 1:					
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				

12	1 of 1	NNE/36.2	79.9 / 0.00	ON	BORE
Borehole ID:	615088			Inclin FLG:	No
OGF ID:	215516030			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:				Municipality:	
Static Water Level:	18.3			Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.430817
Total Depth m:	-999			Longitude DD:	-75.520302
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	459301
Drill Method:				Northing:	5030942
Orig Ground Elev m:	83.8			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	81.8				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218400376			Mat Consistency:	
Top Depth:	1.8			Material Moisture:	
Bottom Depth:	36.6			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY.				
Geology Stratum ID:	218400375			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	1.8			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND.				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Geology Stratum ID:	218400377			Mat Consistency:	
Top Depth:	36.6			Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color:	Red			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Shale			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK. WATER STABLE AT 215.0 FEET.00062HERED. 000100140008910030RED. 0000500400 **Note: Many records provided by the department have a truncated [Stratum Description] field.				

Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada	Source Ident:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:	M	Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 075960 NTS_Sheet: 31G05H		
Confiden 1:	Reliable information but incomplete.		

Source List

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

13	1 of 1	E/40.3	79.9 / 0.00	lot 6 con 3 ON	WWIS
Well ID:	1501427			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	9/5/1962
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1504
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	006
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	10023470	Elevation:	80.364089
DP2BR:	90	Elevrc:	
Spatial Status:		Zone:	18

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB:	r			East83:	459535.8
Code OB Desc:	Bedrock			North83:	5030842
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	8/18/1962			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock

Materials Interval

Formation ID: 930991802
Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 90
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930991803
Layer: 2
Color: 6
General Color: BROWN
Mat1: 19
Most Common Material: SLATE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 90
Formation End Depth: 97
Formation End Depth UOM: ft

Method of Construction & Well

Use

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

Pipe Information

Pipe ID: 10572040
Casing No: 1
Comment:
Alt Name:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Construction Record - Casing

Casing ID: 930039822
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 97
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930039821
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 95
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991501427
Pump Set At:
Static Level: 15
Final Level After Pumping: 40
Recommended Pump Depth: 40
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 8
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933454134
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 97
Water Found Depth UOM: ft

14	1 of 1	ENE/42.1	79.9 / 0.00	lot 5 con 3 ON	WWIS
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Well ID:	1501415	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	9/5/1962
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1504
Casing Material:		Form Version:	1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	005
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	10023458	Elevation:	80.617538
DP2BR:	92	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	459530.8
Code OB Desc:	Bedrock	North83:	5030942
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	8/16/1962	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock
Materials Interval**

Formation ID:	930991775
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	09
Other Materials:	MEDIUM SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

**Overburden and Bedrock
Materials Interval**

Formation ID:	930991777
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	92

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:		110			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930991776			
Layer:		2			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		5			
Formation End Depth:		92			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10572028			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930039800			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		98			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930039801			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		110			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Pump Test ID:		991501415			
Pump Set At:					
Static Level:		21			
Final Level After Pumping:		60			
Recommended Pump Depth:		60			
Pumping Rate:		12			
Flowing Rate:					
Recommended Pump Rate:		12			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		3			
Pumping Duration MIN:		0			
Flowing:		N			
<u>Water Details</u>					
Water ID:		933454122			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		110			
Water Found Depth UOM:		ft			
<hr/>					
15	1 of 1	ESE/42.5	79.9 / 0.00	Orleans Printers Ltd. 6102 Renaud Rd Unit 1 Orleans ON K1W 1E9	SCT
Established:		1986			
Plant Size (ft²):		2000			
Employment:		4			
--Details--					
Description:		Quick Printing			
SIC/NAICS Code:		323114			
Description:		Digital Printing			
SIC/NAICS Code:		323115			
Description:		Other Printing			
SIC/NAICS Code:		323119			
Description:		Support Activities for Printing			
SIC/NAICS Code:		323120			
<hr/>					
16	1 of 1	ESE/42.8	79.8 / -0.05	lot 6 con 4 ON	WWIS
Well ID:		1501529			
Construction Date:				Data Entry Status:	
Primary Water Use:		Domestic		Data Src:	1
Sec. Water Use:		0		Date Received:	11/30/1965
Final Well Status:		Water Supply		Selected Flag:	Yes
Water Type:				Abandonment Rec:	
Casing Material:				Contractor:	1504
Audit No:				Form Version:	1
Tag:				Owner:	
Construction Method:				Street Name:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevation Reliability:				Municipality:	GLOUCESTER TOWNSHIP
				Site Info:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth to Bedrock:				Lot:	006
Well Depth:				Concession:	04
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	10023572	Elevation:	77.348266
DP2BR:	92	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	459460.8
Code OB Desc:	Bedrock	North83:	5030732
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	10/1/1965	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	930992081
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	92
Formation End Depth:	107
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	930992080
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	92
Formation End Depth UOM:	ft

Method of Construction & Well

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Use</u>					
<i>Method Construction ID:</i>					
<i>Method Construction Code:</i>	7				
<i>Method Construction:</i>	Diamond				
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>	10572142				
<i>Casing No:</i>	1				
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>	930040004				
<i>Layer:</i>	2				
<i>Material:</i>	4				
<i>Open Hole or Material:</i>	OPEN HOLE				
<i>Depth From:</i>					
<i>Depth To:</i>	107				
<i>Casing Diameter:</i>	2				
<i>Casing Diameter UOM:</i>	inch				
<i>Casing Depth UOM:</i>	ft				
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>	930040003				
<i>Layer:</i>	1				
<i>Material:</i>	1				
<i>Open Hole or Material:</i>	STEEL				
<i>Depth From:</i>					
<i>Depth To:</i>	95				
<i>Casing Diameter:</i>	2				
<i>Casing Diameter UOM:</i>	inch				
<i>Casing Depth UOM:</i>	ft				
<u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>	991501529				
<i>Pump Set At:</i>					
<i>Static Level:</i>	20				
<i>Final Level After Pumping:</i>	25				
<i>Recommended Pump Depth:</i>	30				
<i>Pumping Rate:</i>	8				
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>	6				
<i>Levels UOM:</i>	ft				
<i>Rate UOM:</i>	GPM				
<i>Water State After Test Code:</i>	2				
<i>Water State After Test:</i>	CLOUDY				
<i>Pumping Test Method:</i>	1				
<i>Pumping Duration HR:</i>	1				
<i>Pumping Duration MIN:</i>	30				
<i>Flowing:</i>	N				
<u>Water Details</u>					
<i>Water ID:</i>	933454239				
<i>Layer:</i>	1				
<i>Kind Code:</i>	1				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind:		FRESH			
Water Found Depth:		107			
Water Found Depth UOM:		ft			

17	1 of 1	NW/48.8	79.9 / 0.00	lot 6 con 3 GLOUCESTER ON	WWIS
Well ID:	7163106			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Domestic			Date Received:	5/13/2011
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	6006
Casing Material:				Form Version:	7
Audit No:	Z125162			Owner:	
Tag:	A110564			Street Name:	2968 NAVAW RD
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	006
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	1003509275	Elevation:	84.38005
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	459137
Code OB Desc:		North83:	5031046
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	3
Date Completed:	4/14/2011	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1003821859
Layer:	4
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	14.55
Formation End Depth:	28.18
Formation End Depth UOM:	m

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003821860			
Layer:		5			
Color:		6			
General Color:		BROWN			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		05			
Other Materials:		CLAY			
Mat3:		17			
Other Materials:		SHALE			
Formation Top Depth:		28.18			
Formation End Depth:		34.55			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003821861			
Layer:		6			
Color:		6			
General Color:		BROWN			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:		73			
Other Materials:		HARD			
Formation Top Depth:		34.55			
Formation End Depth:		36.36			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003821857			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		1.52			
Formation End Depth:		5.15			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003821858			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		5.15			
Formation End Depth:		14.55			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003821856			
Layer:		1			
Color:		5			
General Color:		YELLOW			
Mat1:		28			
Most Common Material:		SAND			
Mat2:					
Other Materials:					
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		0			
Formation End Depth:		1.52			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003821889			
Layer:		1			
Plug From:		0			
Plug To:		6.06			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1003821854			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003821865			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0.5			
Depth To:		34.55			
Casing Diameter:		15.55			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen ID:		1003821866			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1003821855			
Pump Set At:		33.33			
Static Level:		10.8			
Final Level After Pumping:		11.73			
Recommended Pump Depth:		33.33			
Pumping Rate:		45			
Flowing Rate:					
Recommended Pump Rate:		45			
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		0			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003821870			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		11			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003821871			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		11.54			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003821872			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		10.98			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003821884			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		11.73			
Test Level UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003821885			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		11.73			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003821874			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		10.96			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003821873			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		11.56			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003821880			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		11.66			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003821883			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		11.72			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003821867			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		11.44			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003821876			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		10.94			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003821875			
Test Type:		Draw Down			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Test Duration:</i>			5		
<i>Test Level:</i>			11.57		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			1003821881		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			25		
<i>Test Level:</i>			11.67		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			1003821868		
<i>Test Type:</i>			Recovery		
<i>Test Duration:</i>			1		
<i>Test Level:</i>			11.03		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			1003821877		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			10		
<i>Test Level:</i>			11.62		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			1003821882		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			30		
<i>Test Level:</i>			11.71		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			1003821869		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			2		
<i>Test Level:</i>			11.52		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			1003821878		
<i>Test Type:</i>			Recovery		
<i>Test Duration:</i>			10		
<i>Test Level:</i>			10.8		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			1003821879		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			15		
<i>Test Level:</i>			11.64		
<i>Test Level UOM:</i>			m		

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

Water ID: 1003821864
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 34.55
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1003821862
Diameter: 15.55
Depth From: 0
Depth To: 34.55
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1003821863
Diameter: 15.55
Depth From: 34.55
Depth To: 36.36
Hole Depth UOM: m
Hole Diameter UOM: cm

18	1 of 1	WNW/48.8	79.9 / 0.00	lot 6 con 3 NAVAN ON	WWIS
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Well ID: 7279124
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z250023
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: 1/17/2017
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7260
Form Version: 7
Owner:
Street Name: 2968 + 2973 NAVAN RD
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 006
Concession: 03
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006335548
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 12/9/2016
Remarks:

Elevation: 83.957611
Elevrc:
Zone: 18
East83: 459035
North83: 5031027
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:					
<u>Pipe Information</u>					
Pipe ID:			1006516836		
Casing No:			0		
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:			1006516840		
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:			inch		
Casing Depth UOM:			ft		
<u>Construction Record - Screen</u>					
Screen ID:			1006516841		
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:			ft		
Screen Diameter UOM:			inch		
Screen Diameter:					
<u>Hole Diameter</u>					
Hole ID:			1006516838		
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:			ft		
Hole Diameter UOM:			inch		

19	1 of 21	NW/49.8	79.9 / 0.00	LAURENT LEBLANC LIMITED 3000 NAVAN ROAD GLOUCESTER ON K1C 7G4	GEN
Generator No:	ON1875101			PO Box No:	
Status:				Country:	
Approval Years:	94,95,96,97,98,99,00,01,02,03,04,05,06,07,08			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	4214				
SIC Description:	EXCAVAT. & GRADING				

Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			

19	2 of 21	NW/49.8	79.9 / 0.00	3000 Navan Road Ottawa ON K1C 7G4	EHS
Order No:	20090521002			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	5/27/2009			Search Radius (km):	0.25
Date Received:	5/21/2009			X:	-75.521004
Previous Site Name:				Y:	45.430149
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Sire Plans				

19	3 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orlean ON K1C 7G4	GEN
Generator No:	ON4141965			PO Box No:	
Status:				Country:	
Approval Years:	07,08			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	238110				
SIC Description:	Poured Concrete Foundation and Structure Contractors				

Detail(s)

Waste Class:	221				
Waste Class Desc:	LIGHT FUELS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				

19	4 of 21	NW/49.8	79.9 / 0.00	Andre Leblanc Cartage Ltd. 3000 Navan Road Gloucester ON K1C 7G4	CA
Certificate #:	5555-4GHMJJ				
Application Year:	2000				
Issue Date:	11/3/2000				
Approval Type:	Waste Management Systems				
Status:	Approved				
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	5 of 21	NW/49.8	79.9 / 0.00	Andre Joseph Jean Leblanc 3000 Navan Road Gloucester ON K1C 7G4	CA
Certificate #:		5555-4GHMJJ			
Application Year:		2000			
Issue Date:		2/15/2000			
Approval Type:		Waste Management Systems			
Status:		Amended			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
19	6 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc Limited 3000 Navan Road Gloucester ON K1C 7G4	CA
Certificate #:		8685-4V7V2D			
Application Year:		2001			
Issue Date:		4/9/2001			
Approval Type:		Waste Management Systems			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
19	7 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc Ltd. 3000 Navan Rd Orléans ON K1C 7G4	SCT
Established:		01-SEP-59			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		General-Line Building Supplies Wholesaler-Distributors			
SIC/NAICS Code:		416310			
Description:		Construction, Transportation, Mining, and Forestry Machinery and Equipment Rental and Leasing			
SIC/NAICS Code:		532410			
Description:		Site Preparation Contractors			
SIC/NAICS Code:		238910			
Description:		Site Preparation Contractors			
SIC/NAICS Code:		238910			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	8 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orlean ON K1C 7G4	GEN
Generator No:	ON4141965			PO Box No:	
Status:				Country:	
Approval Years:	2009			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	238110				
SIC Description:	Poured Concrete Foundation and Structure Contractors				
<u>Detail(s)</u>					
Waste Class:	221				
Waste Class Desc:	LIGHT FUELS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
19	9 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orlean ON K1C 7G4	GEN
Generator No:	ON4141965			PO Box No:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	238110				
SIC Description:	Poured Concrete Foundation and Structure Contractors				
<u>Detail(s)</u>					
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	221				
Waste Class Desc:	LIGHT FUELS				
19	10 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orlean ON K1C 7G4	GEN
Generator No:	ON4141965			PO Box No:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	238110				
SIC Description:	Poured Concrete Foundation and Structure Contractors				
<u>Detail(s)</u>					
Waste Class:	221				
Waste Class Desc:	LIGHT FUELS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	11 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orleans ON	GEN
Generator No:	ON4141965			PO Box No:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	238110				
SIC Description:	Poured Concrete Foundation and Structure Contractors				
Detail(s)					
Waste Class:	221				
Waste Class Desc:	LIGHT FUELS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
19	12 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orleans ON	GEN
Generator No:	ON4141965			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	238110				
SIC Description:	POURED CONCRETE FOUNDATION AND STRUCTURE CONTRACTORS				
Detail(s)					
Waste Class:	213				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	221				
Waste Class Desc:	LIGHT FUELS				
19	13 of 21	NW/49.8	79.9 / 0.00	Andre Joseph Jean Leblanc 3000 Navan Road Gloucester ON K1C 7G4	ECA
Approval No:	5555-4GHMJJ			MOE District:	Ottawa
Approval Date:	2000-02-15			City:	
Status:	Amended			Longitude:	-75.52158
Record Type:	ECA			Latitude:	45.43063
Link Source:	IDS			Geometry X:	
SWP Area Name:	Rideau Valley			Geometry Y:	
Approval Type:	ECA-WASTE MANAGEMENT SYSTEMS				
Project Type:	WASTE MANAGEMENT SYSTEMS				
Address:	3000 Navan Road				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0152-4GAMXP-14.pdf				
19	14 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc Limited 3000 Navan Road	ECA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Gloucester ON K1C 7G4					
Approval No:	8685-4V7V2D			MOE District: Ottawa	
Approval Date:	2001-04-09			City:	
Status:	Approved			Longitude: -75.52158	
Record Type:	ECA			Latitude: 45.43063	
Link Source:	IDS			Geometry X:	
SWP Area Name:	Rideau Valley			Geometry Y:	
Approval Type:	ECA-WASTE MANAGEMENT SYSTEMS				
Project Type:	WASTE MANAGEMENT SYSTEMS				
Address:	3000 Navan Road				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/7512-4U8QFA-14.pdf				
19	15 of 21	NW/49.8	79.9 / 0.00	Andre Leblanc Cartage Ltd. 3000 Navan Road Gloucester ON K1C 7G4	ECA
Approval No:	5555-4GHMJJ			MOE District: Ottawa	
Approval Date:	2000-11-03			City:	
Status:	Approved			Longitude: -75.52158	
Record Type:	ECA			Latitude: 45.43063	
Link Source:	IDS			Geometry X:	
SWP Area Name:	Rideau Valley			Geometry Y:	
Approval Type:	ECA-WASTE MANAGEMENT SYSTEMS				
Project Type:	WASTE MANAGEMENT SYSTEMS				
Address:	3000 Navan Road				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5844-4QFQGE-14.pdf				
19	16 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orleans ON K1C 7G4	GEN
Generator No:	ON4141965			PO Box No:	
Status:				Country: Canada	
Approval Years:	2015			Choice of Contact: CO_OFFICIAL	
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	238110				
SIC Description:	POURED CONCRETE FOUNDATION AND STRUCTURE CONTRACTORS				
<u>Detail(s)</u>					
Waste Class:	213				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	221				
Waste Class Desc:	LIGHT FUELS				
19	17 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orleans ON K1C 7G4	GEN
Generator No:	ON4141965			PO Box No:	
Status:				Country: Canada	
Approval Years:	2016			Choice of Contact: CO_OFFICIAL	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam. Facility: MHSW Facility: SIC Code: SIC Description:	No No 238110			Co Admin: Phone No Admin:	
POURED CONCRETE FOUNDATION AND STRUCTURE CONTRACTORS					
Detail(s)					
Waste Class: Waste Class Desc:		213 PETROLEUM DISTILLATES			
Waste Class: Waste Class Desc:		221 LIGHT FUELS			
Waste Class: Waste Class Desc:		252 WASTE OILS & LUBRICANTS			
19	18 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orleans ON K1C 7G4	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON4141965 2014 No No 238110			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada CO_OFFICIAL
POURED CONCRETE FOUNDATION AND STRUCTURE CONTRACTORS					
Detail(s)					
Waste Class: Waste Class Desc:		213 PETROLEUM DISTILLATES			
Waste Class: Waste Class Desc:		252 WASTE OILS & LUBRICANTS			
Waste Class: Waste Class Desc:		221 LIGHT FUELS			
19	19 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orleans ON K1C 7G4	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON4141965 Registered As of Dec 2018 			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada
Detail(s)					
Waste Class: Waste Class Desc:		213 I Petroleum distillates			
Waste Class: Waste Class Desc:		213 T Petroleum distillates			
Waste Class: Waste Class Desc:		221 I Light fuels			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		222 L			
Waste Class Desc:		Heavy fuels			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
19	20 of 21	NW/49.8	79.9 / 0.00	2561678 ONTARIO INC. 3000 NAVAN RD ORLEANS ON K1C 7G4	EASR
Approval No:	R-004-5110517687	SWP Area Name:	Rideau Valley		
Status:	REGISTERED	MOE District:	Ottawa		
Date:	2018-07-04	Municipality:	ORLEANS		
Record Type:	EASR	Latitude:	45.43055556		
Link Source:	MOFA	Longitude:	-75.52166667		
Project Type:	Waste Management System	Geometry X:			
Full Address:		Geometry Y:			
Approval Type:	EASR-Waste Management System				
Full PDF Link:	http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2073460				
19	21 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orleans ON K1C 7G4	GEN
Generator No:	ON4141965	PO Box No:			
Status:	Registered	Country:	Canada		
Approval Years:	As of Oct 2019	Choice of Contact:			
Contam. Facility:		Co Admin:			
MHSW Facility:		Phone No Admin:			
SIC Code:					
SIC Description:					
Detail(s)					
Waste Class:		221 I			
Waste Class Desc:		Light fuels			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
Waste Class:		213 I			
Waste Class Desc:		Petroleum distillates			
Waste Class:		213 T			
Waste Class Desc:		Petroleum distillates			
Waste Class:		222 L			
Waste Class Desc:		Heavy fuels			
20	1 of 1	E/51.3	79.9 / 0.00	lot 6 con 4 ON	WWIS
Well ID:	1501528	Data Entry Status:			
Construction Date:		Data Src:	1		
Primary Water Use:	Domestic	Date Received:	7/6/1964		
Sec. Water Use:	0	Selected Flag:	Yes		
Final Well Status:	Water Supply	Abandonment Rec:			
Water Type:		Contractor:	1504		
Casing Material:		Form Version:	1		
Audit No:		Owner:			
Tag:		Street Name:			
Construction Method:		County:	OTTAWA-CARLETON		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	006
Well Depth:				Concession:	04
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	10023571	Elevation:	77.499908
DP2BR:	84	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	459525.8
Code OB Desc:	Bedrock	North83:	5030762
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	6/4/1964	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	930992079
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	84
Formation End Depth:	106
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	930992077
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	80
Formation End Depth UOM:	ft

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Overburden and Bedrock Materials Interval</u>					
<i>Formation ID:</i>		930992078			
<i>Layer:</i>		2			
<i>Color:</i>					
<i>General Color:</i>					
<i>Mat1:</i>		11			
<i>Most Common Material:</i>		GRAVEL			
<i>Mat2:</i>					
<i>Other Materials:</i>					
<i>Mat3:</i>					
<i>Other Materials:</i>					
<i>Formation Top Depth:</i>		80			
<i>Formation End Depth:</i>		84			
<i>Formation End Depth UOM:</i>		ft			
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>					
<i>Method Construction Code:</i>		7			
<i>Method Construction:</i>		Diamond			
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>		10572141			
<i>Casing No:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930040001			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>					
<i>Depth To:</i>		89			
<i>Casing Diameter:</i>		2			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930040002			
<i>Layer:</i>		2			
<i>Material:</i>		4			
<i>Open Hole or Material:</i>		OPEN HOLE			
<i>Depth From:</i>					
<i>Depth To:</i>		106			
<i>Casing Diameter:</i>		2			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>		991501528			
<i>Pump Set At:</i>					
<i>Static Level:</i>		12			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Final Level After Pumping:	40				
Recommended Pump Depth:	40				
Pumping Rate:	10				
Flowing Rate:					
Recommended Pump Rate:	6				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	1				
Pumping Duration HR:	2				
Pumping Duration MIN:	0				
Flowing:	N				

Water Details

Water ID: 933454238
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 106
Water Found Depth UOM: ft

<u>21</u>	1 of 1	E/52.8	79.9 / 0.00	3096 Navan Rd Ottawa ON K1W1E9	EHS
Order No:	20180315001			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Select Report			Client Prov/State:	ON
Report Date:	21-MAR-18			Search Radius (km):	.25
Date Received:	15-MAR-18			X:	-75.516883
Previous Site Name:				Y:	45.430195
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Searches; Topographic Maps; City Directory; Aerial Photos				

<u>22</u>	1 of 1	ESE/53.0	79.1 / -0.77	6102 Renaud Rd Ottawa ON K1W1E9	EHS
Order No:	20170821065			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	28-AUG-17			Search Radius (km):	.25
Date Received:	21-AUG-17			X:	-75.518108
Previous Site Name:				Y:	45.428868
Lot/Building Size:					
Additional Info Ordered:	City Directory				

<u>23</u>	1 of 1	WNW/55.4	79.9 / 0.00	2968 Navan Rd Ottawa ON K1C7G4	EHS
Order No:	20160505010			Nearest Intersection:	
Status:	C			Municipality:	OTTAWA
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	11-MAY-16			Search Radius (km):	.25
Date Received:	05-MAY-16			X:	-75.523799
Previous Site Name:				Y:	45.431567
Lot/Building Size:					
Additional Info Ordered:	Title Searches; Topographic Maps; City Directory				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
24	1 of 1	NW/57.8	79.9 / 0.00	2973 Navan Rd Ottawa ON K1C7G4	EHS
Order No:	20161014116			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	21-OCT-16			Search Radius (km):	.25
Date Received:	14-OCT-16			X:	-75.523257
Previous Site Name:				Y:	45.431974
Lot/Building Size:					
Additional Info Ordered:					

25	1 of 1	NW/59.2	79.9 / 0.00	lot 6 con 2 ON	WWIS
Well ID:	1511923			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	10/4/1972
Sec. Water Use:	0			Selected Flag:	Yes
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:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	006
Well Depth:				Concession:	02
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	10033917	Elevation:	83.408554
DP2BR:	96	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	459200.8
Code OB Desc:	Bedrock	North83:	5030952
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	5/8/1972	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:	931019097
Layer:	4
Color:	8
General Color:	BLACK
Mat1:	17

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		96			
Formation End Depth:		120			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931019095			
Layer:		2			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		2			
Formation End Depth:		87			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931019094			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		01			
Other Materials:		FILL			
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		2			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931019096			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:		12			
Other Materials:		STONES			
Mat3:					
Other Materials:					
Formation Top Depth:		87			
Formation End Depth:		96			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction ID:					
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	10582487				
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930060224				
Layer:	2				
Material:	4				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:	120				
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Casing</u>					
Casing ID:	930060223				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	100				
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	991511923				
Pump Set At:					
Static Level:	33				
Final Level After Pumping:	40				
Recommended Pump Depth:	60				
Pumping Rate:	20				
Flowing Rate:					
Recommended Pump Rate:	5				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:					
Water State After Test:	CLOUDY				
Pumping Test Method:					
Pumping Test Method:	2				
Pumping Duration HR:					
Pumping Duration HR:	1				
Pumping Duration MIN:					
Pumping Duration MIN:	0				
Flowing:					
Flowing:	N				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934645651				
Test Type:					
Test Type:	Draw Down				
Test Duration:					
Test Duration:	45				
Test Level:					
Test Level:	40				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934384496			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		40			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934098560			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		40			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934893670			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		40			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933467222			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		118			
Water Found Depth UOM:		ft			

26	1 of 1	NW/63.0	79.9 / 0.00	lot 6 con 3 ON	WWIS
Well ID:		1501531		Data Entry Status:	
Construction Date:				Data Src: 1	
Primary Water Use:		Domestic		Date Received: 2/2/1967	
Sec. Water Use:		0		Selected Flag: Yes	
Final Well Status:		Water Supply		Abandonment Rec:	
Water Type:				Contractor: 1802	
Casing Material:				Form Version: 1	
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County: OTTAWA-CARLETON	
Elevation (m):				Municipality: GLOUCESTER TOWNSHIP	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot: 006	
Well Depth:				Concession: 03	
Overburden/Bedrock:				Concession Name: OF	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bore Hole ID:	10023574			Elevation:	83.557785
DP2BR:	110			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	459200.8
Code OB Desc:	Bedrock			North83:	5030962
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	11/2/1966			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock

Materials Interval

Formation ID: 930992088
Layer: 3
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 105
Formation End Depth: 110
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930992086
Layer: 1
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930992087
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		6			
Formation End Depth:		105			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930992089			
Layer:		4			
Color:					
General Color:					
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		110			
Formation End Depth:		120			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10572144			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930040008			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		114			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930040009			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		120			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test ID:		991501531			
Pump Set At:					
Static Level:	38				
Final Level After Pumping:	80				
Recommended Pump Depth:	110				
Pumping Rate:	17				
Flowing Rate:					
Recommended Pump Rate:	5				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	1				
Pumping Duration HR:	1				
Pumping Duration MIN:	0				
Flowing:	N				
<u>Water Details</u>					
Water ID:		933454241			
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	115				
Water Found Depth UOM:	ft				

27	1 of 1	ENE/76.4	80.9 / 1.00	lot 5 con 3 ON	WWIS
Well ID:	1510713			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	2/23/1971
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1504
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	005
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

<u>Bore Hole Information</u>					
Bore Hole ID:	10032730			Elevation:	80.928298
DP2BR:	90			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	459510.8
Code OB Desc:	Bedrock			North83:	5030992
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	5/18/1970			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Elevrc Desc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Location Source Date:
 Improvement Location Source:
 Improvement Location Method:
 Source Revision Comment:
 Supplier Comment:

Overburden and Bedrock
Materials Interval

Formation ID: 931015634
 Layer: 1
 Color: 5
 General Color: YELLOW
 Mat1: 09
 Most Common Material: MEDIUM SAND
 Mat2: 01
 Other Materials: FILL
 Mat3:
 Other Materials:
 Formation Top Depth: 0
 Formation End Depth: 10
 Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931015636
 Layer: 3
 Color: 6
 General Color: BROWN
 Mat1: 19
 Most Common Material: SLATE
 Mat2:
 Other Materials:
 Mat3:
 Other Materials:
 Formation Top Depth: 90
 Formation End Depth: 99
 Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931015635
 Layer: 2
 Color: 3
 General Color: BLUE
 Mat1: 05
 Most Common Material: CLAY
 Mat2:
 Other Materials:
 Mat3:
 Other Materials:
 Formation Top Depth: 10
 Formation End Depth: 90
 Formation End Depth UOM: ft

Method of Construction & Well
Use

Method Construction ID:
 Method Construction Code: 7

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10581300			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930058027			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		99			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930058026			
Layer:		1			
Material:		2			
Open Hole or Material:		GALVANIZED			
Depth From:					
Depth To:		92			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991510713			
Pump Set At:					
Static Level:		22			
Final Level After Pumping:		40			
Recommended Pump Depth:		50			
Pumping Rate:		10			
Flowing Rate:					
Recommended Pump Rate:		6			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		N			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934380039			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		40			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934641198			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		40			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934097304			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		40			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934897984			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		40			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933465746			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		99			
Water Found Depth UOM:		ft			

<u>28</u>	1 of 1	ESE/83.5	78.9 / -1.00	OTTAWA ON	WWIS
Well ID:	7300715			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Test Hole			Date Received:	12/5/2017
Sec. Water Use:	Monitoring			Selected Flag:	Yes
Final Well Status:	Observation Wells			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z263681			Owner:	
Tag:	A190041			Street Name:	6102 RENAUD ST
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1006862427			Elevation:	76.404884
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB:				East83:	459476
Code OB Desc:				North83:	5030694
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	10/2/2017			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock

Materials Interval

Formation ID: 1007046203
 Layer: 1
 Color: 2
 General Color: GREY
 Mat1: 11
 Most Common Material: GRAVEL
 Mat2: 28
 Other Materials: SAND
 Mat3: 85
 Other Materials: SOFT
 Formation Top Depth: 0
 Formation End Depth: 1
 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1007046205
 Layer: 3
 Color: 2
 General Color: GREY
 Mat1: 05
 Most Common Material: CLAY
 Mat2: 06
 Other Materials: SILT
 Mat3: 85
 Other Materials: SOFT
 Formation Top Depth: 6
 Formation End Depth: 15
 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1007046204
 Layer: 2
 Color: 6
 General Color: BROWN
 Mat1: 05
 Most Common Material: CLAY
 Mat2: 06
 Other Materials: SILT
 Mat3: 85
 Other Materials: SOFT
 Formation Top Depth: 1
 Formation End Depth: 6
 Formation End Depth UOM: ft

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Annular Space/Abandonment Sealing Record</u>					
<i>Plug ID:</i>		1007046215			
<i>Layer:</i>		3			
<i>Plug From:</i>		4			
<i>Plug To:</i>		15			
<i>Plug Depth UOM:</i>		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
<i>Plug ID:</i>		1007046214			
<i>Layer:</i>		2			
<i>Plug From:</i>		1			
<i>Plug To:</i>		4			
<i>Plug Depth UOM:</i>		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
<i>Plug ID:</i>		1007046213			
<i>Layer:</i>		1			
<i>Plug From:</i>		0			
<i>Plug To:</i>		1			
<i>Plug Depth UOM:</i>		ft			
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>					
<i>Method Construction Code:</i>		D			
<i>Method Construction:</i>		Direct Push			
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>		1007046202			
<i>Casing No:</i>		0			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		1007046208			
<i>Layer:</i>		1			
<i>Material:</i>		5			
<i>Open Hole or Material:</i>		PLASTIC			
<i>Depth From:</i>		0			
<i>Depth To:</i>		5			
<i>Casing Diameter:</i>		1.38			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Construction Record - Screen</u>					
<i>Screen ID:</i>		1007046209			
<i>Layer:</i>		1			
<i>Slot:</i>		10			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: Screen Diameter UOM: Screen Diameter:		5 15 5 ft inch 1.66			
<u>Hole Diameter</u>					
Hole ID: Diameter: Depth From: Depth To: Hole Depth UOM: Hole Diameter UOM:		1007046206 2.375 0 15 ft inch			
29	1 of 1	ENE/85.9	80.6 / 0.68	3097 and 3107 Navan Road Ottawa ON K1W1E9	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered:		20140717001 C Custom Report 23-JUL-14 17-JUL-14 0.9 acres		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	Gloucester ON .25 -75.516696 45.430775
30	1 of 2	E/90.5	79.9 / 0.00	6126 RENAUD ROAD GLOUCESTER ON K1W 1E9	HINC
External File Num: Fuel Occurrence Type: Date of Occurrence: Fuel Type Involved: Status Desc: Job Type Desc: Oper. Type Involved: Service Interruptions: Property Damage: Fuel Life Cycle Stage: Root Cause: Reported Details: Fuel Category: Occurrence Type: Affiliation: County Name: Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:		FS INC 0701-00262 Pipeline Strike 1/11/2007 Natural Gas Complete Incident/Near-Miss Occurrence (FS) Construction Site (pipeline strike) No No Transmission, Distribution and Transportation Gaseous Fuel Incident Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) Ottawa			
30	2 of 2	E/90.5	79.9 / 0.00	6126 RENAUD ROAD GLOUCESTER ON K1W 1E9	HINC
External File Num: Fuel Occurrence Type: Date of Occurrence: Fuel Type Involved: Status Desc:		FS INC 0701-00410 Pipeline Strike 1/11/2007 Natural Gas Completed - Causal Analysis(End)			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Job Type Desc:		Incident/Near-Miss Occurrence (FS)			
Oper. Type Involved:		Construction Site (pipeline strike)			
Service Interruptions:		Yes			
Property Damage:		Yes			
Fuel Life Cycle Stage:		Transmission, Distribution and Transportation			
Root Cause:		Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:Yes 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.)			
County Name:		Ottawa			
Approx. Quant. Rel:					
Nearby body of water:					
Enter Drainage Syst.:					
Approx. Quant. Unit:					
Environmental Impact:					

31	1 of 1	ESE/94.2	79.2 / -0.69	OTTAWA ON	WWIS
Well ID:		7300645		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Test Hole		Date Received: 12/5/2017	
Sec. Water Use:		Monitoring		Selected Flag: Yes	
Final Well Status:		Observation Wells		Abandonment Rec:	
Water Type:				Contractor: 7241	
Casing Material:				Form Version: 7	
Audit No:		Z263682		Owner:	
Tag:		A189877		Street Name: 6102 RENAUD ST	
Construction Method:				County: OTTAWA-CARLETON	
Elevation (m):				Municipality: GLOUCESTER TOWNSHIP	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:		1006858422		Elevation: 76.455329	
DP2BR:				Elevrc:	
Spatial Status:				Zone: 18	
Code OB:				East83: 459509	
Code OB Desc:				North83: 5030699	
Open Hole:				Org CS: UTM83	
Cluster Kind:				UTMRC: 4	
Date Completed:		10/2/2017		UTMRC Desc: margin of error : 30 m - 100 m	
Remarks:				Location Method: wwr	
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		1007044327			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Other Materials:		SILT			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		1			
Formation End Depth:		6			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1007044328			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		6			
Formation End Depth:		15			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1007044326			
Layer:		1			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		28			
Other Materials:		SAND			
Mat3:		73			
Other Materials:		HARD			
Formation Top Depth:		0			
Formation End Depth:		1			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1007044337			
Layer:		2			
Plug From:		1			
Plug To:		4			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1007044338			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		3			
Plug From:		4			
Plug To:		15			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1007044336			
Layer:		1			
Plug From:		0			
Plug To:		1			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:		T			
<u>Pipe Information</u>					
Pipe ID:		1007044325			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1007044331			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		5			
Casing Diameter:		1.38			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1007044332			
Layer:		1			
Slot:		10			
Screen Top Depth:		5			
Screen End Depth:		15			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		1.66			
<u>Hole Diameter</u>					
Hole ID:		1007044329			
Diameter:		2.375			
Depth From:		0			
Depth To:		15			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB																																																																																
32	1 of 1	NE/94.4	80.7 / 0.80	lot 6 con 3 ON	WWIS																																																																																
<table border="0"> <tr> <td>Well ID:</td> <td>1510718</td> <td>Data Entry Status:</td> <td></td> </tr> <tr> <td>Construction Date:</td> <td></td> <td>Data Src:</td> <td>1</td> </tr> <tr> <td>Primary Water Use:</td> <td>Domestic</td> <td>Date Received:</td> <td>2/23/1971</td> </tr> <tr> <td>Sec. Water Use:</td> <td>0</td> <td>Selected Flag:</td> <td>Yes</td> </tr> <tr> <td>Final Well Status:</td> <td>Water Supply</td> <td>Abandonment Rec:</td> <td></td> </tr> <tr> <td>Water Type:</td> <td></td> <td>Contractor:</td> <td>1504</td> </tr> <tr> <td>Casing Material:</td> <td></td> <td>Form Version:</td> <td>1</td> </tr> <tr> <td>Audit No:</td> <td></td> <td>Owner:</td> <td></td> </tr> <tr> <td>Tag:</td> <td></td> <td>Street Name:</td> <td></td> </tr> <tr> <td>Construction Method:</td> <td></td> <td>County:</td> <td>OTTAWA-CARLETON</td> </tr> <tr> <td>Elevation (m):</td> <td></td> <td>Municipality:</td> <td>GLOUCESTER TOWNSHIP</td> </tr> <tr> <td>Elevation Reliability:</td> <td></td> <td>Site Info:</td> <td></td> </tr> <tr> <td>Depth to Bedrock:</td> <td></td> <td>Lot:</td> <td>006</td> </tr> <tr> <td>Well Depth:</td> <td></td> <td>Concession:</td> <td>03</td> </tr> <tr> <td>Overburden/Bedrock:</td> <td></td> <td>Concession Name:</td> <td>OF</td> </tr> <tr> <td>Pump Rate:</td> <td></td> <td>Easting NAD83:</td> <td></td> </tr> <tr> <td>Static Water Level:</td> <td></td> <td>Northing NAD83:</td> <td></td> </tr> <tr> <td>Flowing (Y/N):</td> <td></td> <td>Zone:</td> <td></td> </tr> <tr> <td>Flow Rate:</td> <td></td> <td>UTM Reliability:</td> <td></td> </tr> <tr> <td>Clear/Cloudy:</td> <td></td> <td></td> <td></td> </tr> </table>						Well ID:	1510718	Data Entry Status:		Construction Date:		Data Src:	1	Primary Water Use:	Domestic	Date Received:	2/23/1971	Sec. Water Use:	0	Selected Flag:	Yes	Final Well Status:	Water Supply	Abandonment Rec:		Water Type:		Contractor:	1504	Casing Material:		Form Version:	1	Audit No:		Owner:		Tag:		Street Name:		Construction Method:		County:	OTTAWA-CARLETON	Elevation (m):		Municipality:	GLOUCESTER TOWNSHIP	Elevation Reliability:		Site Info:		Depth to Bedrock:		Lot:	006	Well Depth:		Concession:	03	Overburden/Bedrock:		Concession Name:	OF	Pump Rate:		Easting NAD83:		Static Water Level:		Northing NAD83:		Flowing (Y/N):		Zone:		Flow Rate:		UTM Reliability:		Clear/Cloudy:			
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<u>Materials Interval</u>																																																																																					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		931015645			
Layer:		1			
Color:		5			
General Color:		YELLOW			
Mat1:		09			
Most Common Material:		MEDIUM SAND			
Mat2:		01			
Other Materials:		FILL			
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		6			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931015647			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		19			
Most Common Material:		SLATE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		100			
Formation End Depth:		108			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10581305			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930058036			
Layer:		1			
Material:		2			
Open Hole or Material:		GALVANIZED			
Depth From:					
Depth To:		102			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930058037			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		108			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991510718			
Pump Set At:					
Static Level:		33			
Final Level After Pumping:		36			
Recommended Pump Depth:		50			
Pumping Rate:		10			
Flowing Rate:					
Recommended Pump Rate:		6			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		N			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934641203			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		36			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934097309			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		36			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934380044			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		36			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934897989			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		36			
Test Level UOM:		ft			

Water Details

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water ID:		933465751			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		108			
Water Found Depth UOM:		ft			

<u>33</u>	1 of 1	NE/94.6	80.7 / 0.80	ON	BORE
Borehole ID:	615095			Inclin FLG:	No
OGF ID:	215516037			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	DEC-1970			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.431546
Total Depth m:	32.9			Longitude DD:	-75.51839
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	459451
Drill Method:				Northing:	5031022
Orig Ground Elev m:	82.3			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	82.2				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218400404			Mat Consistency:	
Top Depth:	1.8			Material Moisture:	
Bottom Depth:	30.5			Material Texture:	
Material Color:	Blue			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY. BLUE.				

Geology Stratum ID:	218400403			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	1.8			Material Texture:	
Material Color:	Yellow			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Fill			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND. YELLOW.				

Geology Stratum ID:	218400405			Mat Consistency:	
Top Depth:	30.5			Material Moisture:	
Bottom Depth:	32.9			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Slate			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	organic

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Gsc Material Description:

Stratum Description: SLATE. BROWN. 00108ORGANIC. CLAY. BROWN,GREY. SAND. UNSPECIFIED. 400030054019010 **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada	Source Iden:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:		Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 07603 NTS_Sheet:		
Confiden 1:			

Source List

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

34	1 of 1	SE/95.4	77.9 / -2.00	ON	BORE
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Borehole ID:	615082	Inclin FLG:	No
OGF ID:	215516024	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:	MAY-1966	Municipality:	
Static Water Level:		Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	45.428529
Total Depth m:	43	Longitude DD:	-75.518874
Depth Ref:	Ground Surface	UTM Zone:	18
Depth Elev:		Easting:	459411
Drill Method:		Northing:	5030687
Orig Ground Elev m:	76.2	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Not Applicable
DEM Ground Elev m:	76.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218400357	Mat Consistency:	
Top Depth:	41.1	Material Moisture:	
Bottom Depth:	43	Material Texture:	
Material Color:	Brown	Non Geo Mat Type:	
Material 1:	Shale	Geologic Formation:	
Material 2:		Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:	SHALE. BROWN. 00014WEATHERED. 000100140008910030RED. 00005004000300540190100 020 **Note: Many records provided by the department have a truncated [Stratum Description] field.		
Stratum Description:			

Geology Stratum ID:	218400355	Mat Consistency:	
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	.6 38.1 Blue Clay	CLAY. BLUE.		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218400354 0 .6 Yellow Sand	SAND. YELLOW.		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218400356 38.1 41.1 Sand	SAND.		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Source					
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Data Survey Geological Survey of Canada 1956-1972			Source Appl: Source Ident: Scale or Res: Horizontal: Verticalda:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level
Source List					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies Urban Geology Automated Information System (UGAIS) Geological Survey of Canada			Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator
35	1 of 1	SE/95.7	77.9 / -2.00	lot 6 con 4 ON	WWIS
Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No:	1501530 Livestock Domestic Water Supply			Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner:	1 12/14/1966 Yes 1504 1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	006
Well Depth:				Concession:	04
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	10023573	Elevation:	76.420509
DP2BR:	135	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	459410.8
Code OB Desc:	Bedrock	North83:	5030687
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	5/4/1966	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	930992082
Layer:	1
Color:	5
General Color:	YELLOW
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	930992083
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	125

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930992084			
Layer:		3			
Color:					
General Color:					
Mat1:		07			
Most Common Material:		QUICKSAND			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		125			
Formation End Depth:		135			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930992085			
Layer:		4			
Color:		6			
General Color:		BROWN			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		135			
Formation End Depth:		141			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10572143			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930040006			
Layer:		2			
Material:					
Open Hole or Material:					
Depth From:					
Depth To:		135			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Construction Record - Casing

Casing ID: 930040005
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 102
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930040007
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 141
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991501530
Pump Set At:
Static Level: 10
Final Level After Pumping: 25
Recommended Pump Depth: 25
Pumping Rate: 6
Flowing Rate:
Recommended Pump Rate: 6
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 4
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933454240
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 14
Water Found Depth UOM: ft

36	1 of 1	ESE/97.2	78.9 / -1.00	lot 6 con 4 OTTAWA ON	WWIS
Well ID:	7300644			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Test Hole			Date Received:	12/5/2017
Sec. Water Use:	Monitoring			Selected Flag:	Yes
Final Well Status:	Observation Wells			Abandonment Rec:	
Water Type:				Contractor:	7241

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Material:				Form Version:	7
Audit No:	Z263679			Owner:	
Tag:	A189952			Street Name:	6102 RENAUD ST
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	006
Well Depth:				Concession:	04
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1006858413			Elevation:	76.081375
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	459491
Code OB Desc:				North83:	5030685
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	10/2/2017			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1007044313				
Layer:	2				
Color:	6				
General Color:	BROWN				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:	06				
Other Materials:	SILT				
Mat3:	85				
Other Materials:	SOFT				
Formation Top Depth:	1				
Formation End Depth:	5				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1007044312				
Layer:	1				
Color:	2				
General Color:	GREY				
Mat1:	11				
Most Common Material:	GRAVEL				
Mat2:	28				
Other Materials:	SAND				
Mat3:	85				
Other Materials:	SOFT				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:	0				
Formation End Depth:	1				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	1007044314				
Layer:	3				
Color:	2				
General Color:	GREY				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:					
Other Materials:					
Mat3:	85				
Other Materials:	SOFT				
Formation Top Depth:	5				
Formation End Depth:	15				
Formation End Depth UOM:	ft				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1007044324				
Layer:	3				
Plug From:	4				
Plug To:	15				
Plug Depth UOM:	ft				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1007044322				
Layer:	1				
Plug From:	0				
Plug To:	1				
Plug Depth UOM:	ft				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1007044323				
Layer:	2				
Plug From:	1				
Plug To:	4				
Plug Depth UOM:	ft				
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:	D				
Method Construction:	Direct Push				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	1007044311				
Casing No:	0				
Comment:					

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

Construction Record - Casing

Casing ID: 1007044317
 Layer: 1
 Material: 5
 Open Hole or Material: PLASTIC
 Depth From: 0
 Depth To: 5
 Casing Diameter: 1.38
 Casing Diameter UOM: inch
 Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1007044318
 Layer: 1
 Slot: 10
 Screen Top Depth: 5
 Screen End Depth: 15
 Screen Material: 5
 Screen Depth UOM: ft
 Screen Diameter UOM: inch
 Screen Diameter: 1.66

Hole Diameter

Hole ID: 1007044315
 Diameter: 2.375
 Depth From: 0
 Depth To: 15
 Hole Depth UOM: ft
 Hole Diameter UOM: inch

37 1 of 1 **ENE/98.5** **80.9 / 1.00** **ON** **BORE**

Borehole ID:	615091	Inclin FLG:	No
OGF ID:	215516033	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:		Municipality:	
Static Water Level:	8.0	Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	45.431193
Total Depth m:	-999	Longitude DD:	-75.516853
Depth Ref:	Ground Surface	UTM Zone:	18
Depth Elev:		Easting:	459571
Drill Method:		Northing:	5030982
Orig Ground Elev m:	80.8	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Not Applicable
DEM Ground Elev m:	81.6		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID: 218400384 **Mat Consistency:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	0 2.4 Sand	 SAND.	 	Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218400385 2.4 30.8 Clay	 CLAY.	 	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218400386 30.8 Grey Bedrock Shale	 BEDROCK. WATER STABLE AT 238.9 FEET.D. CLAY. GREY,FIRM. 00010 040 00100 067 00400 **Note: Many records provided by the department have a truncated [Stratum Description] field.	 	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Firm
Source					
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Data Survey Geological Survey of Canada 1956-1972 M	 Urban Geology Automated Information System (UGAIS) File: OTTAWA2.txt RecordID: 075990 NTS_Sheet: 31G05H Reliable information but incomplete.	 	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level
Source List					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies Urban Geology Automated Information System (UGAIS) Geological Survey of Canada	 	 	Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator
38	1 of 1	NW/118.2	80.6 / 0.76	City of Ottawa 2955 Navan Rd Ottawa ON K2G 6J8	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name:	6041-B59RHU 2018-10-11 Approved ECA IDS	 	 	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Type: Project Type: Address: Full Address: Full PDF Link:		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS 2955 Navan Rd https://www.accessenvironment.ene.gov.on.ca/instruments/6301-B4JK4D-14.pdf			
39	1 of 1	NW/118.2	80.6 / 0.76	2955 Navan Rd Ottawa ON K1C7G4	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered:		20160526164 C Standard Report 02-JUN-16 26-MAY-16		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON .25 -75.524024 45.432295
40	1 of 1	ENE/122.0	80.9 / 1.00	2777 PAGE ROAD Orleans ON K1W 1G1	HINC
External File Num: Fuel Occurrence Type: Date of Occurrence: Fuel Type Involved: Status Desc: Job Type Desc: Oper. Type Involved: Service Interruptions: Property Damage: Fuel Life Cycle Stage: Root Cause:		FS INC 0610-02903 Pipeline Strike 9/25/2006 Natural Gas Completed - Causal Analysis(End) Incident/Near-Miss Occurrence (FS) Construction Site (pipeline strike) Yes Yes Transmission, Distribution and Transportation Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training: Yes Management:No Human Factors:Yes			
Reported Details: Fuel Category: Occurrence Type: Affiliation: County Name: Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:		Gaseous Fuel Incident Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) Ottawa			
41	1 of 1	NE/131.4	80.9 / 1.00	lot 5 con 3 ON	WWIS
Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock:		1511515 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:	1 12/22/1971 Yes 1504 1 OTTAWA-CARLETON GLOUCESTER TOWNSHIP 005

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	10033509	Elevation:	82.060234
DP2BR:	105	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	459490.8
Code OB Desc:	Bedrock	North83:	5031052
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	5/7/1971	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:	931017950
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	105
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931017951
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	105
Formation End Depth:	109
Formation End Depth UOM:	ft

Method of Construction & Well

Use

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction ID:					
Method Construction Code:	7				
Method Construction:	Diamond				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	10582079				
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930059513				
Layer:	1				
Material:	2				
Open Hole or Material:	GALVANIZED				
Depth From:					
Depth To:	107				
Casing Diameter:	2				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Casing</u>					
Casing ID:	930059514				
Layer:	2				
Material:	4				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:	109				
Casing Diameter:					
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	991511515				
Pump Set At:					
Static Level:	28				
Final Level After Pumping:	40				
Recommended Pump Depth:	50				
Pumping Rate:	10				
Flowing Rate:					
Recommended Pump Rate:	6				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	1				
Pumping Duration HR:	2				
Pumping Duration MIN:	0				
Flowing:	N				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934901348				
Test Type:	Draw Down				
Test Duration:	60				
Test Level:	40				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934644429			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		40			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934098171			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		30			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934383408			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		35			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933466687			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		109			
Water Found Depth UOM:		ft			

42 1 of 1 **NW/131.7** **80.9 / 1.03** **ON** **WWIS**

Well ID:	7292790	Data Entry Status:	Yes
Construction Date:		Data Src:	
Primary Water Use:		Date Received:	8/17/2017
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:		Abandonment Rec:	
Water Type:		Contractor:	7543
Casing Material:		Form Version:	8
Audit No:	C36219	Owner:	
Tag:	A191634	Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

Bore Hole Information

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:	1006712676			Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	82.529029 18 459046 5031142 UTM83 5 margin of error : 100 m - 300 m wwr

43	1 of 1	SSW/132.2	74.2 / -5.67	231 LUCINDA CRESCENT ORLEANS ON K1W 0A1	HINC
External File Num: Fuel Occurrence Type: Date of Occurrence: Fuel Type Involved: Status Desc: Job Type Desc: Oper. Type Involved: Service Interruptions: Property Damage: Fuel Life Cycle Stage: Root Cause: Reported Details: Fuel Category: Occurrence Type: Affiliation: County Name: Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:	FS INC 0706-02747 Pipeline Strike 5/26/2007 Natural Gas Completed - Causal Analysis(End) Incident/Near-Miss Occurrence (FS) Construction Site (pipeline strike) Yes Yes Transmission, Distribution and Transportation Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training: Yes Management:Yes Human Factors:Yes				
		Gaseous Fuel Incident Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) Ottawa			

44	1 of 1	NE/139.4	80.9 / 1.00	lot 5 con 3 ON	WWIS
Well ID: Construction Date: Primary Water Use: Sec. Water Use: 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):	1511514 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:	1 12/22/1971 Yes 1504 1 OTTAWA-CARLETON GLOUCESTER TOWNSHIP 005 03 OF

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Flow Rate: Clear/Cloudy:				UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID:	10033508			Elevation:	82.301673
DP2BR:	90			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	459480.8
Code OB Desc:	Bedrock			North83:	5031062
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	5/2/1971			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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931017949				
Layer:	2				
Color:	2				
General Color:	GREY				
Mat1:	15				
Most Common Material:	LIMESTONE				
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:	90				
Formation End Depth:	95				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931017948				
Layer:	1				
Color:	3				
General Color:	BLUE				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	90				
Formation End Depth UOM:	ft				
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:	7				
Method Construction:	Diamond				
Other Method Construction:					

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

Pipe ID: 10582078
 Casing No: 1
 Comment:
 Alt Name:

Construction Record - Casing

Casing ID: 930059512
 Layer: 2
 Material: 4
 Open Hole or Material: OPEN HOLE
 Depth From:
 Depth To: 95
 Casing Diameter:
 Casing Diameter UOM: inch
 Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930059511
 Layer: 1
 Material: 2
 Open Hole or Material: GALVANIZED
 Depth From:
 Depth To: 92
 Casing Diameter: 2
 Casing Diameter UOM: inch
 Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991511514
 Pump Set At:
 Static Level: 28
 Final Level After Pumping: 40
 Recommended Pump Depth: 50
 Pumping Rate: 10
 Flowing Rate:
 Recommended Pump Rate: 6
 Levels UOM: ft
 Rate UOM: GPM
 Water State After Test Code: 1
 Water State After Test: CLEAR
 Pumping Test Method: 1
 Pumping Duration HR: 2
 Pumping Duration MIN: 0
 Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934901347
 Test Type: Draw Down
 Test Duration: 60
 Test Level: 40
 Test Level UOM: ft

Draw Down & Recovery

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID: 934383407					
Test Type: Draw Down					
Test Duration: 30					
Test Level: 35					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934644428					
Test Type: Draw Down					
Test Duration: 45					
Test Level: 40					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934098170					
Test Type: Draw Down					
Test Duration: 15					
Test Level: 30					
Test Level UOM: ft					
<u>Water Details</u>					
Water ID: 933466686					
Layer: 1					
Kind Code: 1					
Kind: FRESH					
Water Found Depth: 95					
Water Found Depth UOM: ft					

45	1 of 1	NE/140.6	80.9 / 1.00	lot 6 con 3 ON	WWIS
Well ID: 1501453		Data Entry Status:			
Construction Date:		Data Src: 1			
Primary Water Use: Domestic		Date Received: 11/30/1965			
Sec. Water Use: 0		Selected Flag: Yes			
Final Well Status: Water Supply		Abandonment Rec:			
Water Type:		Contractor: 1504			
Casing Material:		Form Version: 1			
Audit No:		Owner:			
Tag:		Street Name:			
Construction Method:		County: OTTAWA-CARLETON			
Elevation (m):		Municipality: GLOUCESTER TOWNSHIP			
Elevation Reliability:		Site Info:			
Depth to Bedrock:		Lot: 006			
Well Depth:		Concession: 03			
Overburden/Bedrock:		Concession Name: OF			
Pump Rate:		Easting NAD83:			
Static Water Level:		Northing NAD83:			
Flowing (Y/N):		Zone:			
Flow Rate:		UTM Reliability:			
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID: 10023496		Elevation: 82.905914			
DP2BR: 96		Elevrc:			
Spatial Status:		Zone: 18			
Code OB: r		East83: 459435.8			
Code OB Desc: Bedrock		North83: 5031072			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Open Hole: Cluster Kind: Date Completed: 9/2/1965 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:				Org CS: UTMRC: 5 UTMRC Desc: margin of error : 100 m - 300 m Location Method: p5	
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930991866			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		19			
Most Common Material:		SLATE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		96			
Formation End Depth:		103			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930991865			
Layer:		2			
Color:					
General Color:					
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		90			
Formation End Depth:		96			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930991864			
Layer:		1			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		90			
Formation End Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:	7				
Method Construction:	Diamond				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10572066			
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930039871			
Layer:	1				
Material:					
Open Hole or Material:					
Depth From:					
Depth To:		96			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930039872			
Layer:	2				
Material:	4				
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		103			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991501453			
Pump Set At:					
Static Level:		35			
Final Level After Pumping:		60			
Recommended Pump Depth:		60			
Pumping Rate:		10			
Flowing Rate:					
Recommended Pump Rate:		6			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		N			
<u>Water Details</u>					
Water ID:		933454160			
Layer:	1				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind Code: Kind: Water Found Depth: Water Found Depth UOM:		1 FRESH 103 ft			
46	1 of 4	ENE/141.4	80.9 / 1.00	Minto Communities Inc. 6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester Ottawa ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		5588-89SKM5 2010 10/8/2010 Municipal and Private Sewage Works Approved			
46	2 of 4	ENE/141.4	80.9 / 1.00	Richcraft Homes Ltd. 6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester Ottawa ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		4214-8DRL23 2011 2/8/2011 Municipal and Private Sewage Works Approved			
46	3 of 4	ENE/141.4	80.9 / 1.00	Richcraft Homes Ltd. 6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa Ottawa ON K1G 4K1	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Address: Full Address: Full PDF Link:		4214-8DRL23 2011-02-08 Approved ECA IDS ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS 6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa https://www.accessenvironment.ene.gov.on.ca/instruments/9695-8DMRDP-14.pdf		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
46	4 of 4	ENE/141.4	80.9 / 1.00	Minto Communities Inc. 6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa Ottawa ON K1P 0B6	ECA
Approval No: 5588-89SKM5 Approval Date: 2010-10-08 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Address: 6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6949-893LH7-14.pdf		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:			
47	1 of 1	E/145.1	80.9 / 1.00	Navan Rd Renaud Rd Ottawa ON	EHS
Order No: 20131111003 Status: C Report Type: Custom Report Report Date: 19-NOV-13 Date Received: 11-NOV-13 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.513565 Y: 45.43005			
48	1 of 1	E/145.2	80.9 / 1.00	Renaud Rd and Navan Rd Ottawa ON	SPL
Ref No: 7246-8UXM48 Site No: Incident Dt: 04-JUN-12 Year: Incident Cause: Incident Event: Contaminant Code: 13 Contaminant Name: DIESEL FUEL Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Not Anticipated Nature of Impact: Receiving Medium: Sewage - Municipal/Private and Commercial Receiving Env: MOE Response: Planned Field Response Dt MOE Arvl on Scn: 05-JUN-12 MOE Reported Dt: 04-JUN-12 Dt Document Closed: Incident Reason: Site Name: TT MVA<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: MVA: TT 265L DSL to ditch Contaminant Qty:		Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Renaud Rd and Navan Rd Site District Office: Site Postal Code: Site Region: Site Municipality: Ottawa Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Land Spills Source Type:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
49	1 of 1	NE/157.1	80.9 / 1.00	lot 5 con 3 ON	WWIS

Well ID: 1510712
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 2/23/1971
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 005
Concession: 03
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10032729
DP2BR: 95
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 5/18/1970
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 82.74707
Elevrc:
Zone: 18
East83: 459470.8
North83: 5031082
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock

Materials Interval

Formation ID: 931015631
Layer: 1
Color: 5
General Color: YELLOW
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 01
Other Materials: FILL
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 4
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931015633

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		95			
Formation End Depth:		100			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931015632			
Layer:		2			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		4			
Formation End Depth:		95			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10581299			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930058025			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		100			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930058024			
Layer:		1			
Material:		2			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Open Hole or Material:		GALVANIZED			
Depth From:					
Depth To:		97			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991510712			
Pump Set At:					
Static Level:		22			
Final Level After Pumping:		40			
Recommended Pump Depth:		50			
Pumping Rate:		10			
Flowing Rate:					
Recommended Pump Rate:		50			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		N			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934641197			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		40			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934097303			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		40			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934380038			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		40			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934897983			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		40			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933465745			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		100			
Water Found Depth UOM:		ft			

<u>50</u>	1 of 1	NE/157.2	80.9 / 1.00	ON	BORE
Borehole ID:	615102			Inclin FLG:	No
OGF ID:	215516044			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	MAY-1970			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.432087
Total Depth m:	30.5			Longitude DD:	-75.51814
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	459471
Drill Method:				Northing:	5031082
Orig Ground Elev m:	82.9			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	82.8				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218400427			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	1.2			Material Texture:	
Material Color:	Yellow			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Fill			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND. YELLOW.				
Geology Stratum ID:	218400429			Mat Consistency:	
Top Depth:	29			Material Moisture:	
Bottom Depth:	30.5			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Shale			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SHALE. BROWN. 00100FT. 00025076CIFIED. Y. SAND. UNSPECIFIED. 400030054019010 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218400428			Mat Consistency:	
Top Depth:	1.2			Material Moisture:	
Bottom Depth:	29			Material Texture:	
Material Color:	Blue			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum Description:		CLAY. BLUE.			
Source					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:				Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA2.txt RecordID: 07610 NTS_Sheet:				
Confiden 1:					
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
51	1 of 1	NW/182.1	80.7 / 0.82	Navan Rd Ottawa ON	EHS
Order No:	20160224002			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	01-MAR-16			Search Radius (km):	.25
Date Received:	24-FEB-16			X:	-75.524205
Previous Site Name:				Y:	45.432901
Lot/Building Size:					
Additional Info Ordered:					
52	1 of 1	ESE/184.5	76.9 / -3.00	362 Saddleridge Drive, Ottawa ON	PINC
Incident ID:				Health Impact:	
Incident No:	931956			Environment Impact:	
Type:	FS-Pipeline Incident			Property Damage:	Yes
Status Code:	Pipeline Damage Reason Est			Service Interupt:	
Fuel Occurrence Tp:				Enforce Policy:	Yes
Fuel Type:				Public Relation:	
Tank Status:	RC Established			Pipeline System:	
Task No:	4157980			Depth:	
Spills Action Centre:				Pipe Material:	
Method Details:	E-mail			PSIG:	
Fuel Category:	Natural Gas			Attribute Category:	FS-Perform P-line Inc Invest
Date of Occurrence:				Regulator Location:	
Occurrence Start Date:	2012/10/30				
Operation Type:					
Pipeline Type:					
Regulator Type:					
Summary:	362 Saddleridge Drive, Ottawa - 1/2" Pipeline Hit				
Reported By:	ryan.noble@enbridge.com				
Affiliation:					
Occurrence Desc:					
Damage Reason:	Excavation practices not sufficient				
Notes:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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53	1 of 1	E/185.6	80.9 / 1.00	lot 5 con 4 ON	WWIS
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Well ID: 1509638
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 6/15/1968
Selected Flag: Yes
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 005
Concession: 04
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10031670
DP2BR: 118
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 2/1/1968
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 83.4412
Elevrc:
Zone: 18
East83: 459700.8
North83: 5030882
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock

Materials Interval

Formation ID: 931012639
Layer: 5
Color: 8
General Color: BLACK
Mat1: 26
Most Common Material: ROCK
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 118
Formation End Depth: 128
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		931012636			
Layer:		2			
Color:					
General Color:					
Mat1:		07			
Most Common Material:		QUICKSAND			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		12			
Formation End Depth:		30			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931012635			
Layer:		1			
Color:					
General Color:					
Mat1:		23			
Most Common Material:		PREVIOUSLY DUG			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		12			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931012638			
Layer:		4			
Color:					
General Color:					
Mat1:		28			
Most Common Material:		SAND			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		110			
Formation End Depth:		118			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931012637			
Layer:		3			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		30			
Formation End Depth:		110			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1			
Method Construction Code:		Cable Tool			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10580240			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930055979			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		118			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930055980			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		128			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991509638			
Pump Set At:					
Static Level:		25			
Final Level After Pumping:		40			
Recommended Pump Depth:		50			
Pumping Rate:		8			
Flowing Rate:					
Recommended Pump Rate:		4			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		N			
<u>Water Details</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water ID:		933464524			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		127			
Water Found Depth UOM:		ft			

54	1 of 1	NE/192.5	80.9 / 1.00	lot 5 con 3 ON	WWIS
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Well ID:	1501412	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	2/20/1962
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1504
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	005
Well Depth:		Concession:	03
Overburden/Bedrock:		Concession Name:	OF
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10023455	Elevation:	83.57019
DP2BR:	100	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	459450.8
Code OB Desc:	Bedrock	North83:	5031122
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	11/10/1961	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930991771
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		100			
Formation End Depth:		114			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930991770			
Layer:		1			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		100			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10572025			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930039794			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		105			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930039795			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		114			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test ID: 991501412 Pump Set At: Static Level: 30 Final Level After Pumping: 45 Recommended Pump Depth: 45 Pumping Rate: 12 Flowing Rate: Recommended Pump Rate: 12 Levels UOM: ft Rate UOM: GPM Water State After Test Code: 1 Water State After Test: CLEAR Pumping Test Method: 1 Pumping Duration HR: 2 Pumping Duration MIN: 0 Flowing: N					
Water Details					
Water ID: 933454119 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 114 Water Found Depth UOM: ft					
55	1 of 1	NNW/215.8	79.9 / 0.00	Navan Road Ottawa ON	EHS
Order No: 20150903046 Status: C Report Type: Custom Report Report Date: 10-SEP-15 Date Received: 03-SEP-15 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.522476 Y: 45.433367					
56	1 of 2	ENE/225.2	80.9 / 1.00	700 MORNINGSTAR WAY, OTTAWA ON	PINC
Incident ID: Incident No: 1899738 Type: FS-Pipeline Incident Status Code: Pipeline Damage Reason Est Fuel Occurrence Tp: Fuel Type: Tank Status: RC Established Task No: 6241639 Spills Action Centre: Method Details: E-mail Fuel Category: Natural Gas Date of Occurrence: Occurrence Start Date: 2016/07/21 Operation Type: Pipeline Type: Regulator Type: Summary: 700 MORNINGSTAR WAY, OTTAWA - PIPELINE HIT - 1/2" Reported By: Bernie Monette - ENBRIDGE Affiliation:					
Health Impact: Environment Impact: Property Damage: No Service Interupt: Enforce Policy: Yes Public Relation: Pipeline System: Depth: Pipe Material: PSIG: Attribute Category: FS-Perform P-line Inc Invest Regulator Location:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Occurrence Desc:					
Damage Reason:		Excavation practices not sufficient			
Notes:					
56	2 of 2	ENE/225.2	80.9 / 1.00	Enbridge Gas Distribution Inc. 700 Morningstar Way Ottawa ON	SPL
Ref No:	4350-ABNHGR			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	2016/07/07			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:				Sector Type:	Miscellaneous Industrial
Incident Event:	Leak/Break			Agency Involved:	
Contaminant Code:	35			Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	700 Morningstar Way
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Air			Northing:	
MOE Response:	No			Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	2016/07/08			Site Map Datum:	
Dt Document Closed:	2016/08/10			SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error			Source Type:	
Site Name:	PL Strike Site <UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	TSSA: FSB 1/2" PL Strike, made safe.				
Contaminant Qty:	0 L				

57	1 of 1	E/226.1	80.9 / 1.00	lot 5 con 4 ON	WWIS
Well ID:	1501527			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	10/26/1960
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	2311
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	005
Well Depth:				Concession:	04
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bore Hole ID:	10023570			Elevation:	84.406768
DP2BR:	120			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	459740.8
Code OB Desc:	Bedrock			North83:	5030892
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	9/26/1960			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock

Materials Interval

Formation ID: 930992075
Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 120
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930992076
Layer: 2
Color:
General Color:
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 120
Formation End Depth: 159
Formation End Depth UOM: ft

Method of Construction & Well

Use

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

Pipe Information

Pipe ID: 10572140
Casing No: 1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930039999
 Layer: 1
 Material: 1
 Open Hole or Material: STEEL
 Depth From:
 Depth To: 120
 Casing Diameter: 4
 Casing Diameter UOM: inch
 Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930040000
 Layer: 2
 Material: 4
 Open Hole or Material: OPEN HOLE
 Depth From:
 Depth To: 159
 Casing Diameter: 4
 Casing Diameter UOM: inch
 Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991501527
 Pump Set At:
 Static Level: 33
 Final Level After Pumping: 40
 Recommended Pump Depth: 40
 Pumping Rate: 8
 Flowing Rate:
 Recommended Pump Rate: 8
 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: N

Water Details

Water ID: 933454237
 Layer: 1
 Kind Code: 3
 Kind: SULPHUR
 Water Found Depth: 150
 Water Found Depth UOM: ft

58	1 of 1	SSE/229.8	72.8 / -7.03	Jean-Guy Rivard 6048 Renaud Rd Ottawa ON K1C 6Z7	ECA
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Approval No: 9150-8VAPZH
 Approval Date: 2012-06-28
 Status: Approved

MOE District:
 City:
 Longitude:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Record Type: ECA Link Source: IDS SWP Area Name: Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Address: 6048 Renaud Rd Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2428-8V9RMT-14.pdf				Latitude: Geometry X: Geometry Y:	
59	1 of 1	NW/232.0	78.1 / -1.82	AECON CONSTRUCTION ONTARIO EAST LIMITED ON	EASR
Approval No: R-009-8110705414 Status: REGISTERED Date: 2018-11-26 Record Type: EASR Link Source: MOFA Project Type: Water Taking - Construction Dewatering Full Address: Approval Type: EASR-Water Taking - Construction Dewatering Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2106805				SWP Area Name: Rideau Valley MOE District: Ottawa Municipality: Latitude: 45.43305556 Longitude: -75.525 Geometry X: Geometry Y:	
60	1 of 5	E/236.8	80.9 / 1.00	Claridge Homes (Carson) Inc. 3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester) Ottawa ON	CA
Certificate #: 7172-8AVK8G Application Year: 2010 Issue Date: 11/19/2010 Approval Type: Municipal and Private Sewage Works Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
60	2 of 5	E/236.8	80.9 / 1.00	Claridge Homes (Carson) Inc. 3138 Navan Rd Lot 5 and 6, Concession 4 Ottawa ON	CA
Certificate #: 3070-8LGQ4W Application Year: 2011 Issue Date: 9/23/2011 Approval Type: Municipal and Private Sewage Works Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
60	3 of 5	E/236.8	80.9 / 1.00	Claridge Homes (Carson) Inc. 3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester) Ottawa ON K2P 0Y6	ECA
Approval No:	7172-8AVK8G			MOE District:	
Approval Date:	2010-11-19			City:	
Status:	Approved			Longitude:	
Record Type:	ECA			Latitude:	
Link Source:	IDS			Geometry X:	
SWP Area Name:				Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Address:	3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester)				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0450-8A9MP2-14.pdf				
60	4 of 5	E/236.8	80.9 / 1.00	Claridge Homes (Carson) Inc. 3138 Navan Rd Lot 5 and 6, Concession 4 Ottawa ON K2P 0Y6	ECA
Approval No:	3070-8LGG4W			MOE District:	
Approval Date:	2011-09-23			City:	
Status:	Approved			Longitude:	
Record Type:	ECA			Latitude:	
Link Source:	IDS			Geometry X:	
SWP Area Name:				Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Address:	3138 Navan Rd Lot 5 and 6, Concession 4				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/9808-8LFQ2X-14.pdf				
60	5 of 5	E/236.8	80.9 / 1.00	Claridge Homes (Carson) Inc. 3138 Navan Rd Ottawa ON K2P 0Y6	ECA
Approval No:	9389-APSL68			MOE District:	
Approval Date:	2017-07-31			City:	
Status:	Approved			Longitude:	
Record Type:	ECA			Latitude:	
Link Source:	IDS			Geometry X:	
SWP Area Name:				Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Address:	3138 Navan Rd				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4781-APPHV2-14.pdf				
61	1 of 1	ENE/243.9	80.9 / 1.00	6173 Renaud Road, Ottawa ON	PINC
Incident ID:	2801790			Health Impact:	No
Incident No:	645066			Environment Impact:	No
Type:	FS-Pipeline Incident			Property Damage:	Yes
Status Code:	Pipeline Damage Reason Est			Service Interrupt:	Yes
Fuel Occurrence Tp:	Pipeline Strike			Enforce Policy:	Yes
Fuel Type:	Natural Gas			Public Relation:	No

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tank Status:	RC Established			Pipeline System:	Transmission pipeline
Task No:	3447797			Depth:	19
Spills Action Centre:				Pipe Material:	Plastic
Method Details:	E-mail			PSIG:	40
Fuel Category:	Natural Gas			Attribute Category:	FS-Perform P-line Inc Invest
Date of Occurrence:	8/12/2011 0:00			Regulator Location:	Outside
Occurrence Start Date:	2011/08/15				
Operation Type:	Construction Site (pipeline strike)				
Pipeline Type:	Main Distribution Pipeline				
Regulator Type:	Service Regulator (up to 60 psi intake)				
Summary:	6173 Renaud Road, Ottawa - Pipeline Hit				
Reported By:	Wayne Pilon				
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)				
Occurrence Desc:	gas main damage				
Damage Reason:	Excavation practices not sufficient				
Notes:	imprudent excavation				

62	1 of 1	E/244.4	80.9 / 1.00	Ottawa ON	WWIS
Well ID:	7220992			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	5/30/2014
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z187686			Owner:	
Tag:	A163076			Street Name:	3143 NAVAN ROAD
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1004790188			Elevation:	84.947212
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	459758
Code OB Desc:				North83:	5030905
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	4/25/2014			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		1005166104			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		06			
Other Materials:		SILT			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		0.31			
Formation End Depth:		3.96			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005166103			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:		28			
Other Materials:		SAND			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		0			
Formation End Depth:		0.31			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005166105			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		28			
Other Materials:		SAND			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		3.96			
Formation End Depth:		4.57			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005166113			
Layer:		1			
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005166114			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:	2				
Plug From:	0.31				
Plug To:	1.44				
Plug Depth UOM:	m				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1005166115				
Layer:	3				
Plug From:	1.44				
Plug To:	4.57				
Plug Depth UOM:	m				
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:	D				
Method Construction:	Direct Push				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	1005166102				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1005166108				
Layer:	1				
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:	0				
Depth To:	1.52				
Casing Diameter:	4.03				
Casing Diameter UOM:	cm				
Casing Depth UOM:	m				
<u>Construction Record - Screen</u>					
Screen ID:	1005166109				
Layer:	1				
Slot:	10				
Screen Top Depth:	1.52				
Screen End Depth:	4.57				
Screen Material:	5				
Screen Depth UOM:	m				
Screen Diameter UOM:	cm				
Screen Diameter:	4.82				
<u>Hole Diameter</u>					
Hole ID:	1005166106				
Diameter:	8.25				
Depth From:	0				
Depth To:	4.57				
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
63	1 of 1	E/245.6	80.9 / 1.00	3143 Navan Road Navan ON K4B 1H9	EHS
Order No:	20180621107			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	28-JUN-18			Search Radius (km):	.25
Date Received:	21-JUN-18			X:	-75.514428
Previous Site Name:				Y:	45.430443
Lot/Building Size:					
Additional Info Ordered:					
64	1 of 1	NE/247.6	80.9 / 1.00	lot 5 con 3 ON	WWIS
Well ID:	1511711			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	4/7/1972
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1504
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	005
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	10033705			Elevation:	84.411491
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:	o			East83:	459430.8
Code OB Desc:	Overburden			North83:	5031182
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	7/5/1971			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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931018519				
Layer:	1				
Color:	3				
General Color:	BLUE				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		85			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931018520			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		85			
Formation End Depth:		93			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10582275			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930059876			
Layer:		1			
Material:		2			
Open Hole or Material:		GALVANIZED			
Depth From:					
Depth To:		93			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991511711			
Pump Set At:					
Static Level:		35			
Final Level After Pumping:		45			
Recommended Pump Depth:		55			
Pumping Rate:		8			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Flowing Rate:					
Recommended Pump Rate:	6				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	1				
Pumping Duration HR:	2				
Pumping Duration MIN:	0				
Flowing:	N				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934382904				
Test Type:	Draw Down				
Test Duration:	30				
Test Level:	45				
Test Level UOM:	ft				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934098362				
Test Type:	Draw Down				
Test Duration:	15				
Test Level:	45				
Test Level UOM:	ft				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934645038				
Test Type:	Draw Down				
Test Duration:	45				
Test Level:	45				
Test Level UOM:	ft				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934901956				
Test Type:	Draw Down				
Test Duration:	60				
Test Level:	45				
Test Level UOM:	ft				
 <u>Water Details</u>					
Water ID:	933466945				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	93				
Water Found Depth UOM:	ft				

[65](#)

1 of 1

ENE/250.8

80.9 / 1.00

**6173 Renaud Road
Navan ON K4B 1H9**

EHS

Order No: 20191016018
Status: C
Report Type: Standard Report
Report Date: 21-OCT-19
Date Received: 16-OCT-19
Previous Site Name:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.51459
Y: 45.4311

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
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Lot/Building Size: 0.86 acres
Additional Info Ordered:

Unplottable Summary

Total: **77** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Fourth Line Road Pond No. 3	Pt. Lot 7, Conc. 4, O.F., Plan 4R-7806	Gloucester ON	
CA	MICHEL LAMARCHE ENTERPRISES INC.	PAGE ROAD X-7-1094-89	GLOUCESTER CITY ON	
CA	GLOUCESTER CITY	NAVAN RD.	GLOUCESTER CITY ON	
CA	APEX CONST. (VAULTEX CONST.)	NAVAN RD.	GLOUCESTER CITY ON	
CA	R.M. OF OTTAWA-CARLETON-LOT 6,7 & 8	BLACKBURN HAMLET BYPASS	GLOUCESTER CITY ON	
CA	MINTO DEVELOPMENTS INC.	LOT 7,C.3/CHAPEL HILL S.PH.V11	GLOUCESTER ON	
CA	MINTO DEVELOPMENTS INC.	LOT 7,C.3/CHAPEL HILL S.PH.V11	GLOUCESTER ON	
CA		Lot 6, Concession 2 and 3	Ottawa ON	
CA		Lot 6, Concession 2 and 3	Ottawa ON	
CA		Part of Lots 5 and 6, Conc. 3 Page Rd and Hydro Corridor Pt 2, Ref Plan 5R-14021	Ottawa ON	
CA		Lot 6, Concession 2 and 3	Ottawa ON	
CA	Ashcroft Homes - Eastboro Inc.	Renaud Road	Ottawa ON	
CA	Ashcroft Homes - Eastboro Inc.	Renaud Road	Ottawa ON	
CA	Ashcroft Homes - Eastboro Inc.	Renaud Road	Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	
CA	Claridge Homes (Carson) Inc.		Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	

CA	Claridge Homes (Carson) Inc.		Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	
CA	1374421 Ontario Ltd.	North Part of Lot 6, Concession III	Ottawa ON	
CA	Claridge Homes (Carson) Inc.	Renaud Rd	Ottawa ON	
CA	Longwood Building Corporation	Part of Lot 6, Between Concession 2 & 3	Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	
CA	Jean-Guy Rivard		Ottawa ON	
CA	1374421 Ontario Ltd.	North Part of Lot 6, Concession III	Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	
CA		Page Rd Allowance bwt Lots 5 and 6, Conc. III	Ottawa ON	
CA	Minto Communities Inc.		Ottawa ON	
CONV	AECON CONSTRUCTION AND MATERIAL		ON	
EBR	Richcraft Homes Ltd.	Ottawa, ON Canada	ON	
EBR	Minto Communities Inc.	Ottawa, Ontario CITY OF OTTAWA	ON	
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6

ECA	Minto Communities Inc.	(Ottawa Front)	Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.	(Ottawa Front)	Ottawa ON	K1P 0B6
ECA	Humanics Universal Inc.	Part of Lot 7	Ottawa ON	K4A 1Z6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Claridge Homes (Carson) Inc.		Ottawa ON	K2P 0Y6
ECA	City of Ottawa	Navan Road	Ottawa ON	K1S 5K2
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	Claridge Homes (Carson) Inc.	Renaud Rd	Ottawa ON	K2P 0M6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
GEN	OTTAWA-CARLTON, REGIONAL MUN OF 29-004	REGIONAL ROAD #28 (NAVAN ROAD) C/O 175 LORETTA AVENUE NORTH	OTTAWA ON	K1Y 2Z7
GEN	OTTAWA-CARLTON, REGIONAL MUN OF	REGIONAL ROAD #28 (NAVAN ROAD) C/O 175 LORETTA AVENUE NORTH	OTTAWA ON	K1Y 2Z7
INC		62 June Court, Lot G, Ottawa	ON	
PTTW	Minto Communities Inc.		ON	
PTTW	6980848 Canada Corporation	Part Lot 7,8, Concession 3, Township of Osgoode, City of Ottawa OSGOODE	ON	
PTTW	Minto Communities Inc.		ON	

RSC	CLARIDGE HOMES (CARSON) INC.	No Municipal Address	Ottawa ON
SPL	BUS	BASELINE STATION TRANSITWAY MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON
SPL	Aecon Construction & Materials Limited	Kanata	Ottawa ON
SPL	NAVRO INC	ON MR. CALLAHAN PROPERTY NAVAN ROAD GLOUCESTER PLANT NAVAN ROAD	GLOUCESTER CITY ON
WWIS		con 3	ON
WWIS		lot 6	ON
WWIS		con 4	ON
WWIS		lot 6	ON
WWIS		lot 7	ON
WWIS		lot 6	ON
WWIS		lot 7	ON
WWIS		lot 6	ON
WWIS		lot 7	ON
WWIS		lot 6	ON

Unplottable Report

Site: *Fourth Line Road Pond No. 3
Pt. Lot 7, Conc. 4, O.F., Plan 4R-7806 Gloucester ON*

Database:
CA

Certificate #: 7367-4SUGSG
Application Year: 01
Issue Date: 3/7/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the City of Ottawa
Client Address: 1595, Telesat Court
Client City: Gloucester
Client Postal Code: K1G 3V5
Project Description: This application is for the construction of a storm water management facility (Fourth Line Road Pond No. 3) designed for storm water quality and peak flow control to serve the East Urban Community.
Contaminants:
Emission Control:

Site: *MICHEL LAMARCHE ENTERPRISES INC.
PAGE ROAD X-7-1094-89 GLOUCESTER CITY ON*

Database:
CA

Certificate #: 3-1323-89-
Application Year: 89
Issue Date: 7/17/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *GLOUCESTER CITY
NAVAN RD. GLOUCESTER CITY ON*

Database:
CA

Certificate #: 3-2067-87-
Application Year: 87
Issue Date: 11/17/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *APEX CONST. (VAULTEX CONST.)
NAVAN RD. GLOUCESTER CITY ON*

Database:
CA

Certificate #: 3-1234-86-
Application Year: 86
Issue Date: 9/11/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: R.M. OF OTTAWA-CARLETON-LOT 6,7 & 8
BLACKBURN HAMLET BYPASS GLOUCESTER CITY ON

Database:
CA

Certificate #: 3-0636-90-
Application Year: 90
Issue Date: 4/26/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: MINTO DEVELOPMENTS INC.
LOT 7,C.3/CHAPEL HILL S.PH.V11 GLOUCESTER ON

Database:
CA

Certificate #: 3-0252-98-
Application Year: 98
Issue Date: 3/24/1998
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: MINTO DEVELOPMENTS INC.
LOT 7,C.3/CHAPEL HILL S.PH.V11 GLOUCESTER ON

Database:
CA

Certificate #: 7-0152-98-
Application Year: 98
Issue Date: 3/24/1998
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Lot 6, Concession 2 and 3 Ottawa ON

Database:
CA

Certificate #: 1760-4W5ML6
Application Year: 01
Issue Date: 4/25/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: KNL Developments Inc.
Client Address: 222 Somerset Street West, Suite 300
Client City: Ottawa
Client Postal Code: K2P 2G3
Project Description: Watermains to be constructed on Witherspoon Crescent
Contaminants:
Emission Control:

Site: Lot 6, Concession 2 and 3 Ottawa ON

Database:
CA

Certificate #: 6816-54HQ5P
Application Year: 01
Issue Date: 11/16/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: KNL Developments Inc.
Client Address: 222 Somerset Street West, Suite 300
Client City: Ottawa
Client Postal Code: K2P 2G3
Project Description: Sanitary Sewers including appurtenances from approximately 50m west of Ironside Court to the Goulbourn Forced Road to serve the Kanata Lakes Subdivision, City of Ottawa
Contaminants:
Emission Control:

Site: Part of Lots 5 and 6, Conc. 3 Page Rd and Hydro Corridor Pt 2, Ref Plan 5R-14021 Ottawa ON

Database:
CA

Certificate #: 7125-4WTRKD
Application Year: 01
Issue Date: 5/18/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the City of Ottawa
Client Address: 110 Laurier Avenue West
Client City: Ottawa
Client Postal Code: K1P 1J1
Project Description: watermains to be constructed on Page Road and Easement within Hydro Corridor
Contaminants:
Emission Control:

Site: Lot 6, Concession 2 and 3 Ottawa ON

Database:
CA

Certificate #: 5772-4W5M6D
Application Year: 01
Issue Date: 4/25/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval

Client Name: KNL Developments Inc.
Client Address: 222 Somerset Street West, Suite 300
Client City: Ottawa
Client Postal Code: K2P 2G3
Project Description: Storm and sanitary sewers to be constructed on Witherspoon Crescent
Contaminants:
Emission Control:

Site: *Ashcroft Homes - Eastboro Inc.*
Renaud Road Ottawa ON

Database:
CA

Certificate #: 7226-6GLJQM
Application Year: 2011
Issue Date: 6/24/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Ashcroft Homes - Eastboro Inc.*
Renaud Road Ottawa ON

Database:
CA

Certificate #: 2240-8ERLQE
Application Year: 2011
Issue Date: 3/14/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Ashcroft Homes - Eastboro Inc.*
Renaud Road Ottawa ON

Database:
CA

Certificate #: 1462-8E5P3N
Application Year: 2011
Issue Date: 2/23/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Richcraft Homes Ltd.*
Ottawa ON

Database:
CA

Certificate #: 9817-7WNR3C
Application Year: 2009
Issue Date: 10/15/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Claridge Homes (Carson) Inc.**
Ottawa ON

Database:
CA

Certificate #: 9611-7PUSMB
Application Year: 2009
Issue Date: 3/9/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Richcraft Homes Ltd.**
Ottawa ON

Database:
CA

Certificate #: 9080-5UYQRL
Application Year: 2004
Issue Date: 1/8/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Claridge Homes (Carson) Inc.**
Ottawa ON

Database:
CA

Certificate #: 8697-6Z5TCD
Application Year: 2007
Issue Date: 4/17/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Richcraft Homes Ltd.
Ottawa ON*

Database:
[CA](#)

Certificate #: 7432-7UVKBU
Application Year: 2009
Issue Date: 8/13/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *1374421 Ontario Ltd.
North Part of Lot 6, Concession III Ottawa ON*

Database:
[CA](#)

Certificate #: 7248-6M3NHQ
Application Year: 2006
Issue Date: 2/17/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Claridge Homes (Carson) Inc.
Renaud Rd Ottawa ON*

Database:
[CA](#)

Certificate #: 6667-7P8R2K
Application Year: 2009
Issue Date: 2/13/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Longwood Building Corporation
Part of Lot 6, Between Concession 2 & 3 Ottawa ON*

Database:
[CA](#)

Certificate #: 6229-6EQGQE
Application Year: 2005
Issue Date: 7/28/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:

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

Site: **Richcraft Homes Ltd.**
Ottawa ON

Database:
CA

Certificate #: 3841-632P4R
Application Year: 2004
Issue Date: 7/20/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Jean-Guy Rivard**
Ottawa ON

Database:
CA

Certificate #: 3630-7KFQC7
Application Year: 2008
Issue Date: 10/17/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **1374421 Ontario Ltd.**
North Part of Lot 6, Concession III Ottawa ON

Database:
CA

Certificate #: 1907-62VS2P
Application Year: 2004
Issue Date: 7/21/2004
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Richcraft Homes Ltd.**
Ottawa ON

Database:
CA

Certificate #: 1207-5YPRH9

Application Year: 2004
Issue Date: 5/6/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Page Rd Allowance bwt Lots 5 and 6, Conc. III Ottawa ON

Database:
CA

Certificate #: 4785-4XFRCP
Application Year: 01
Issue Date: 6/8/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the City of Ottawa
Client Address: 110 Laurier Avenue West
Client City: Ottawa
Client Postal Code: K1P 1J1
Project Description: The works consist of installation of about 240 m of twin forcemains (300 mm and 400 mm dia.) that will become part of the future Forest Valley P.S. forcemains. The works will be done at this time to take advantage of the road construction. The works include connection to the existing M. H. (bulkheads will be provided at stub ends) and installation of the drain chamber. The forcemains is located within Page Road from approximately 40 m south of Montpelier PL to approximately 280 m south of Montpelier PL.
Contaminants:
Emission Control:

Site: Minto Communities Inc.
Ottawa ON

Database:
CA

Certificate #: 3058-7JZKTF
Application Year: 2008
Issue Date: 10/7/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: AECON CONSTRUCTION AND MATERIAL
ON

Database:
CONV

File No:
Crown Brief No: 98-0000-9004
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:

Location:
Region: EASTERN REGION
Ministry District:

Investigation 2:
Penalty Imposed:
Description:
Background:
URL:

THIS IS THE EASTERN BRIEF FOR ALL P.O.A. TICKETS

Additional Details

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 34(8)
Act/Regulation/Section: OWRA- -34(8)
Date of Offence:
Date of Conviction:
Date Charged: 11/1/01
Charge Disposition: SUSPENDED SENTENCE
Fine: \$305.00
Synopsis:

Site: **Richcraft Homes Ltd.**
Ottawa, ON Canada ON

Database:
EBR

EBR Registry No: 019-1273
Ministry Ref No: KV-C-001-18
Notice Type: Instrument
Notice Stage: Proposal
Notice Date:
Proposal Date: February 27, 2020
Year: 2020
Instrument Type: Permit for activities with conditions to achieve overall benefit to the species (ESA s.17(2) (c))
Off Instrument Name: Permit for activities with conditions to achieve overall benefit to the species (ESA s.17(2) (c))
Posted By: Ministry of the Environment, Conservation and Parks
Company Name:
Site Address: Ottawa,
ON
Canada
Location Other:
Proponent Name: Richcraft Homes Ltd.
Proponent Address: 2280 St. Laurent Boulevard
Unit 201
Ottawa,
ON
K1G4K1
Canada
Comment Period: February 27, 2020 - March 28, 2020 (30 days) Closed
URL: <https://ero.ontario.ca/notice/019-1273>

Decision Posted:
Exception Posted:
Section: Section 17 (2) (c)
Act 1: Endangered Species Act , R.S.O. 2007
Act 2: Endangered Species Act, 2007
Site Location Map:

Site Location Details:

Part of Lot 8, Concession 1 in the Geographic Township of March, Ottawa.

Site: **Minto Communities Inc.**
Ottawa, Ontario CITY OF OTTAWA ON

Database:
EBR

EBR Registry No: 013-0315
Ministry Ref No: MNR INST 30/17
Notice Type: Instrument Decision
Notice Stage: 860201441
Notice Date: September 28, 2017
Proposal Date: April 10, 2017
Year: 2017
Instrument Type: (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species
Off Instrument Name:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:

Site Location Details:

Ottawa, Ontario CITY OF OTTAWA

Site: **Richcraft Homes Ltd.** **Database:**
Ottawa ON K1G 4K1 **ECA**

Approval No: 6566-A7AMSG **MOE District:**
Approval Date: 2016-02-23 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1204-A4KTW4-14.pdf>

Site: **Minto Communities Inc.** **Database:**
Ottawa ON K1P 0B6 **ECA**

Approval No: 8270-A3ZLU2 **MOE District:**
Approval Date: 2015-11-10 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/8185-A3PRB5-14.pdf>

Site: **Minto Communities Inc.** **Database:**
Ottawa ON K1P 0B6 **ECA**

Approval No: 7971-9EAST8 **MOE District:**
Approval Date: 2014-01-10 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/7322-9E4LGN-14.pdf>

Site: **Minto Communities Inc.** **Database:**
Ottawa ON K1P 0B6 **ECA**

Approval No: 3002-8PBSB4
Approval Date: 2012-01-31
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/6465-8NETCD-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 0195-95LSVA
Approval Date: 2013-03-22
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1964-8XNJA4-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 7661-ABCKQL
Approval Date: 2016-06-30
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/5664-AB4KGV-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 1554-8Y2HZ6
Approval Date: 2012-09-14
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1100-8WTMSY-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 3053-8YJNWU
Approval Date: 2012-10-01
MOE District:
City:

Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1397-8XNJGH-14.pdf>

Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 7202-97BLB4
Approval Date: 2013-05-23
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4553-95ZKWJ-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Minto Communities Inc.**
(Ottawa Front) Ottawa ON K1P 0B6

Database:
ECA

Approval No: 1810-9L6SH8
Approval Date: 2014-06-27
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: (Ottawa Front)
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/6653-9KSHJ5-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 6142-BEJHCE
Approval Date: 2019-08-01
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0892-BDSKVQ-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X: -8403007.4223
Geometry Y: 5691058.511699997

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 8605-AYUHJG
Approval Date: 2018-05-30
Status: Approved
Record Type: ECA

MOE District:
City:
Longitude:
Latitude:

Link Source: IDS
SWP Area Name: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Approval Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/7723-AYKNXD-14.pdf>

Geometry X:
Geometry Y:

Site: **Minto Communities Inc.**
(Ottawa Front) Ottawa ON K1P 0B6

Database:
ECA

Approval No: 6097-9N5HW9
Approval Date: 2014-08-22
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Approval Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: (Ottawa Front)
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/9823-9MRHMN-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Humanics Universal Inc.**
Part of Lot 7 Ottawa ON K4A 1Z6

Database:
ECA

Approval No: 2541-AK4T53
Approval Date: 2017-03-30
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Approval Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Part of Lot 7
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/6813-AA2NAF-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 3128-AQGJ6T
Approval Date: 2017-08-23
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Approval Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4569-AQCRKJ-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 1720-AKJGKQ
Approval Date: 2017-03-24
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1769-AKEQQZ-14.pdf>

Site: **Claridge Homes (Carson) Inc.**
Ottawa ON K2P 0Y6

Database:
ECA

Approval No: 8741-AU3KP5
Approval Date: 2017-12-20
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1645-ATXMXA-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **City of Ottawa**
Navan Road Ottawa ON K1S 5K2

Database:
ECA

Approval No: 2148-5PNPTW
Approval Date: 2003-07-25
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Address: Navan Road
Full Address:
Full PDF Link:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 7598-94TRX3
Approval Date: 2013-02-26
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/2553-8VDQUF-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Richcraft Homes Ltd.**
Ottawa ON K1G 4K1

Database:
ECA

Approval No: 5204-4RGRNN
Approval Date: 2000-12-01
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal and Private Water Works
Project Type: Municipal and Private Water Works

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Address:
Full Address:
Full PDF Link:

Site: *Richcraft Homes Ltd.*
Ottawa ON K1G 4K1

Database:
[ECA](#)

Approval No: 5800-5UYNQD
Approval Date: 2004-01-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Address:
Full Address:
Full PDF Link:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: *Minto Communities Inc.*
Ottawa ON K1P 0B6

Database:
[ECA](#)

Approval No: 8813-9WYQ2J
Approval Date: 2015-06-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4625-9WXRTA-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: *Minto Communities Inc.*
Ottawa ON K1P 0B6

Database:
[ECA](#)

Approval No: 2268-9WYR3F
Approval Date: 2015-06-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/3873-9WWLDY-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: *Richcraft Homes Ltd.*
Ottawa ON K1G 4K1

Database:
[ECA](#)

Approval No: 9080-5UYQRL
Approval Date: 2004-01-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: Claridge Homes (Carson) Inc.
Renaud Rd Ottawa ON K2P 0M6

Database:
ECA

Approval No: 6667-7P8R2K
Approval Date: 2009-02-13
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Renaud Rd
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0490-7NYR9F-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 0606-AHXJCH
Approval Date: 2017-02-02
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4552-AHSJ74-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: OTTAWA-CARLTON, REGIONAL MUN OF 29-004
REGIONAL ROAD #28 (NAVAN ROAD) C/O 175 LORETTA AVENUE NORTH OTTAWA ON K1Y 2Z7

Database:
GEN

Generator No: ON0303100
Status:
Approval Years: 94,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 8351
SIC Description: EXEC./LEGIS. ADMIN.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

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

Site: OTTAWA-CARLTON, REGIONAL MUN OF
REGIONAL ROAD #28 (NAVAN ROAD) C/O 175 LORETTA AVENUE NORTH OTTAWA ON K1Y 2Z7

Database:
GEN

Generator No: ON0303100
Status:
Approval Years: 88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 8351
SIC Description: EXEC./LEGIS. ADMIN.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 252

Site:

62 June Court, Lot G, Ottawa ON

Database:

INC

Incident No: 414392
Incident ID: 2566092
Attribute Category: FS-Incident
Status Code: Causal Analysis Complete
Incident Location: 62 June Court, Lot G, Ottawa - 1 1/4" Pipeline Hit
Drainage System:
Sub Surface Contam.:
Aff. Prop. Use Water:
Contam. Migrated:
Contact Natural Env.:
Near Body of Water:
Approx. Quant. Rel.:
Equipment Model:
Serial No:
Residential App. Type:
Commercial App. Type:
Industrial App. Type:
Institutional App. Type:
Venting Type:
Vent Connector Mater:
Vent Chimney Mater:
Pipeline Type: Main Distribution Pipeline
Pipeline Involved:
Pipe Material: Plastic
Depth Ground Cover: 1.1
Regulator Location: Outside
Regulator Type: Service Regulator (up to 60 psi intake)
Operation Pressure: 60
Liquid Prop Make:
Liquid Prop Model:
Liquid Prop Serial No:
Equipment Type:
Cylinder Capacity:
Cylinder Capac. Units:
Cylinder Material Type:
Tank Capacity:
Fuels Occurrence Type:
Fuel Type Involved:
Date of Occurrence:
Time of Occurrence:
Occur Insp Start Date:
Any Health Impact:
Any Environmental Impact:
Was Service Interrupted:
Was Property Damaged:
Operation Type Involved:
Enforcement Policy:
Prc Escalation Required:
Task No:
Notes:
Occurrence Narrative:
Tank Material Type:
Tank Storage Type:
Tank Location Type:
Pump Flow Rate Capac:
Liquid Prop Notes:

Site: Minto Communities Inc.
ON

Database:
PTTW

EBR Registry No: 012-9800
Ministry Ref No: 5771-AJEJDR

Decision Posted:
Exception Posted:

Notice Type: Instrument Decision **Section:**
Notice Stage: **Act 1:**
Notice Date: October 06, 2017 **Act 2:**
Proposal Date: February 13, 2017 **Site Location Map:**
Year: 2017
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:

Site Location Details:

Avalon West Community Address: Lot: 3 & Part of Lot 4, Concession: 11, Geographic Township: CUMBERLAND, Ottawa, City District Office: Ottawa
GeoReference: Zone: 18, UTM Easting: 461611, UTM Northing: 5032496, UTM Location Description: S1- Lot 3 Concession 11, Site #: 5712-AJEJLA
CITY OF OTTAWA

Site: **6980848 Canada Corporation**
Part Lot 7,8, Concession 3, Township of Osgoode, City of Ottawa OSGOODE ON

Database:
PTTW

EBR Registry No: 011-1038 **Decision Posted:**
Ministry Ref No: 3333-88PNVZ **Exception Posted:**
Notice Type: Instrument Decision **Section:**
Notice Stage: **Act 1:**
Notice Date: December 02, 2014 **Act 2:**
Proposal Date: August 26, 2010 **Site Location Map:**
Year: 2010
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: 6980848 Canada Corporation
Site Address:
Location Other:
Proponent Name:
Proponent Address: 6598 Pebble Trail Way, Ottawa Ontario, Canada K4P 0B6
Comment Period:
URL:

Site Location Details:

Part Lot 7,8, Concession 3, Township of Osgoode, City of Ottawa OSGOODE

Site: **Minto Communities Inc.**
ON

Database:
PTTW

EBR Registry No: 011-4898 **Decision Posted:**
Ministry Ref No: 3046-8MLKW5 **Exception Posted:**
Notice Type: Instrument Decision **Section:**
Notice Stage: **Act 1:**
Notice Date: December 17, 2014 **Act 2:**
Proposal Date: November 04, 2011 **Site Location Map:**
Year: 2011
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:

Proponent Name:**Proponent Address:**

180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6

Comment Period:**URL:****Site Location Details:**

Mahogany Community Development Address: Lot: Part of Lots 4 and 5, Concession: A (Broken Front), Ottawa, City District Office: Ottawa
 GeoReference: Map Datum: NAD83, Zone: 18, Accuracy Estimate: 1-10 metres eg. Good Quality GPS, UTM Easting: 446650, UTM Northing: 5007555,
 , LIO GeoReference: Zone: , UTM Easting: , UTM Northing: , Latitude: , Longitude: CITY OF OTTAWA

Site: CLARIDGE HOMES (CARSON) INC.
 No Municipal Address Ottawa ON

Database:
 RSC

RSC ID: 223098

RA No:**RSC Type:**

Phase 1 and 2 RSC

Curr Property Use:

Agricultural/Other

Ministry District:

Ottawa District Office

Filing Date:

2017/03/24

Date Ack:**Date Returned:****Restoration Type:****Soil Type:****Criteria:****CPU Issued Sect****1686:****Asmt Roll No:**

061460021514215

Prop ID No (PIN):

04352-2075 (LT),
 04352-2076 (LT),
 04352-2077 (LT)

Property Municipal Address:

No Municipal Address

Mailing Address:**Latitude & Longitude:****UTM Coordinates:****Consultant:****Legal Desc:****Measurement Method:****Applicable Standards:****RSC PDF:**

<https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=76631&fileName=BROWNFIELDSE.pdf>

Cert Date:**Cert Prop Use No:****Intended Prop Use:**

Residential

Qual Person Name:

ADRIAN MENYHART

Stratified (Y/N):**Audit (Y/N):****Entire Leg Prop. (Y/N):****Accuracy Estimate:****Telephone:****Fax:****Email:****Document(s) Detail****Document Heading:**

Supporting Documents

Document Name:

APECTable.pdf

Document Type:

Area(s) of Potential Environmental Concern

Document Link:

<https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=78676&fileName=APECTable.pdf>

Document Heading:

Supporting Documents

Document Name:

Table of Current and Past Uses.pdf

Document Type:

Table of Current and Past Property Use

Document Link:

<https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=76636&fileName=Table+of+Current+and+Past+Uses.pdf>

Document Heading:

Supporting Documents

Document Name:

Plan of Survey - January 2017.pdf

Document Type:

A Current plan of Survey

Document Link:

<https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=76633&fileName=Plan+of+Survey+-+January+2017.pdf>

Document Heading:

Supporting Documents

Document Name:

Phase II CSM Feb 2017.pdf

Document Type:

Phase 2 Conceptual Site Model

Document Link: <https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=76638&fileName=Phase+II+CSM+Feb+2017.pdf>

Document Heading: Supporting Documents
Document Name: LawyersLetter.pdf
Document Type: Lawyer's letter consisting of a legal description of the property
Document Link: <https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=78675&fileName=LawyersLetter.pdf>

Document Heading: Supporting Documents
Document Name: certificatestatus.pdf
Document Type: Certificate of Status
Document Link: <https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=76632&fileName=certificatestatus.pdf>

Document Heading: Supporting Documents
Document Name: Transfer.pdf
Document Type: Copy of any deed(s), transfer(s) or other document(s)
Document Link: <https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=78674&fileName=Transfer.pdf>

Site: **BUS** **Database:**
SPL
BASELINE STATION TRANSITWAY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Ref No: 71210 **Discharger Report:**
Site No: **Material Group:**
Incident Dt: 5/27/1992 **Health/Env Conseq:**
Year: **Client Type:**
Incident Cause: PIPE/HOSE LEAK **Sector Type:**
Incident Event: **Agency Involved:**
Contaminant Code: **Nearest Watercourse:**
Contaminant Name: **Site Address:**
Contaminant Limit 1: **Site District Office:**
Contam Limit Freq 1: **Site Postal Code:**
Contaminant UN No 1: **Site Region:**
Environment Impact: NOT ANTICIPATED **Site Municipality:** 20101
Nature of Impact: **Site Lot:**
Receiving Medium: LAND **Site Conc:**
Receiving Env: **Northing:**
MOE Response: **Easting:**
Dt MOE Arvl on Scn: **Site Geo Ref Accu:**
MOE Reported Dt: 5/27/1992 **Site Map Datum:**
Dt Document Closed: **SAC Action Class:**
Incident Reason: OVERSTRESS/OVERPRESSURE **Source Type:**
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: REG. MUNICIPALITY OF OTTAWA CARELTON - 25 L OF DIESEL TO GROUND
Contaminant Qty:

Site: **Aecon Construction & Materials Limited** **Database:**
SPL
Kanata Ottawa ON

Ref No: 1051-8P4RGA **Discharger Report:**
Site No: **Material Group:**
Incident Dt: 11/29/2011 **Health/Env Conseq:**
Year: **Client Type:**
Incident Cause: **Sector Type:**
Incident Event: **Agency Involved:**
Contaminant Code: 15 **Nearest Watercourse:**
Contaminant Name: HYDRAULIC OIL **Site Address:** Kanata
Contaminant Limit 1: **Site District Office:**
Contam Limit Freq 1: **Site Postal Code:**
Contaminant UN No 1: **Site Region:**
Environment Impact: Not Anticipated **Site Municipality:** Ottawa
Nature of Impact: **Site Lot:**
Receiving Medium: Sewage - Municipal/Private and Commercial **Site Conc:**

Receiving Env:
MOE Response: No Field Response
Dt MOE Arvl on Scn:
MOE Reported Dt: 11/30/2011
Dt Document Closed: 12/11/2011
Incident Reason:
Site Name: 17 Landall Road<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Aecon: 70-80 L of hydraulic fluid too grnd, clning
Contaminant Qty: 80 L

Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Land Spills
Source Type:

Site: NAVRO INC
 ON MR. CALLAHAN PROPERTY NAVAN ROAD GLOUCESTER PLANT NAVAN ROAD GLOUCESTER CITY ON

Database:
 SPL

Ref No: 2118
Site No:
Incident Dt: 4/5/1988
Year:
Incident Cause: OTHER CONTAINER LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/5/1988
Dt Document Closed:
Incident Reason: UNKNOWN
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: NAVRO INC - UNKNOWN AMOUNTH OF LATEX PAINT LEAK TO NEXT DOOR LAND
Contaminant Qty:

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 Municipality: 20105
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site:
 con 3 ON

Database:
 WWIS

Well ID: 1523548
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 29576
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 7/21/1989
Selected Flag: Yes
Abandonment Rec:
Contractor: 2348
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot:
Concession: 03
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10045322
DP2BR:
Spatial Status:
Code OB: x
Code OB Desc: Unknown type in the lower layers(s)
Open Hole:
Cluster Kind:
Date Completed:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931055001
Layer: 1
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931055002
Layer: 2
Color:
General Color:
Mat1:
Most Common Material:
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 22
Formation End Depth UOM: ft

Method of Construction & Well

Use

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

Pipe Information

Pipe ID: 10593892
Casing No: 1
Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930079298
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991523548
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth: 40
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing: N

Water Details

Water ID: 933481846
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 32
Water Found Depth UOM: ft

Site:

lot 6 ON

Database:
WWIS

Well ID:	1500388	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	2/26/1948
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1107
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	OTTAWA CITY (GLOUCESTER)
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	006
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	JG
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID: 10022433
DP2BR: 25
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 10/14/1947
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock

Materials Interval

Formation ID: 930989142
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 20
Formation End Depth: 25
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930989141
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 3
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930989140
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:

Formation Top Depth: 0
Formation End Depth: 3
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 930989143
Layer: 4
Color:
General Color:
Mat1: 26
Most Common Material: ROCK
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 25
Formation End Depth: 59
Formation End Depth UOM: ft

Method of Construction & Well
Use

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

Pipe Information

Pipe ID: 10571003
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930037801
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 59
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930037800
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 25
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991500388
Pump Set At:

Static Level: 1
Final Level After Pumping: 1
Recommended Pump Depth:
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 8
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: N

Water Details

Water ID: 933452905
Layer: 1
Kind Code: 3
Kind: SULPHUR
Water Found Depth: 59
Water Found Depth UOM: ft

Site:
 con 4 ON

Database:
 WWIS

Well ID: 1517523
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 3/20/1981
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot:
Concession: 04
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10039395
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 2/24/1981
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

**Overburden and Bedrock
Materials Interval**

Formation ID: 931035450
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 77
Other Materials: LOOSE
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 175
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931035451
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 175
Formation End Depth: 185
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931035449
Layer: 1
Color: 7
General Color: RED
Mat1: 28
Most Common Material: SAND
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

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

Pipe Information

Pipe ID: 10587965
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930068901
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 184
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930068902
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 185
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991517523
Pump Set At:
Static Level: 40
Final Level After Pumping: 105
Recommended Pump Depth: 120
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 3
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934895056
Test Type: Draw Down
Test Duration: 60
Test Level: 105
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934645364
Test Type: Draw Down
Test Duration: 45
Test Level: 105
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934102054
Test Type: Draw Down

Test Duration: 15
Test Level: 105
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934384288
Test Type: Draw Down
Test Duration: 30
Test Level: 105
Test Level UOM: ft

Water Details

Water ID: 933474010
Layer: 1
Kind Code: 2
Kind: SALTY
Water Found Depth: 184
Water Found Depth UOM: ft

Site:
lot 6 ON

Database:
[WWIS](#)

Well ID: 1520608
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: NA
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 8/12/1986
Selected Flag: Yes
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10042450
DP2BR: 27
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 5/6/1986
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

**Overburden and Bedrock
Materials Interval**

Formation ID: 931045302
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 82
Other Materials: SHALY
Mat3:
Other Materials:
Formation Top Depth: 27
Formation End Depth: 120
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931045300
Layer: 1
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 18
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931045301
Layer: 2
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 18
Formation End Depth: 27
Formation End Depth UOM: ft

Method of Construction & Well
Use

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

Pipe Information

Pipe ID: 10591020
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930074093
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 120
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930074092
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 29
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991520608
Pump Set At:
Static Level: 15
Final Level After Pumping: 40
Recommended Pump Depth: 40
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 6
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: N

Draw Down & Recovery

Pump Test Detail ID: 934907141
Test Type:
Test Duration: 60
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112494
Test Type:
Test Duration: 15
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648380
Test Type:
Test Duration: 45
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934387357
Test Type:
Test Duration: 30
Test Level: 40
Test Level UOM: ft

Water Details

Water ID: 933477901
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 115
Water Found Depth UOM: ft

Water Details

Water ID: 933477900
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 40
Water Found Depth UOM: ft

Site: **lot 7 ON** **Database:**
[WWIS](#)

Well ID: 1528661	Data Entry Status:
Construction Date:	Data Src: 1
Primary Water Use: Municipal	Date Received: 8/3/1995
Sec. Water Use:	Selected Flag: Yes
Final Well Status:	Abandonment Rec:
Water Type:	Contractor: 4006
Casing Material:	Form Version: 1
Audit No: 147555	Owner:
Tag:	Street Name:
Construction Method:	County: OTTAWA-CARLETON
Elevation (m):	Municipality: GLOUCESTER TOWNSHIP
Elevation Reliability:	Site Info:
Depth to Bedrock:	Lot: 007
Well Depth:	Concession:
Overburden/Bedrock:	Concession Name: LI
Pump Rate:	Easting NAD83:
Static Water Level:	Northing NAD83:
Flowing (Y/N):	Zone:
Flow Rate:	UTM Reliability:
Clear/Cloudy:	

Bore Hole Information

Bore Hole ID: 10050197	Elevation:
DP2BR: 20	Elevrc:
Spatial Status:	Zone: 18
Code OB: r	East83:
Code OB Desc: Bedrock	North83:
Open Hole:	Org CS:
Cluster Kind:	UTMRC: 9
Date Completed: 6/23/1995	UTMRC Desc: unknown UTM
Remarks:	Location Method: na
Elevrc Desc:	
Location Source Date:	
Improvement Location Source:	

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock
Materials Interval

Formation ID: 931070399
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 31
Formation End Depth: 110
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931070400
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 12
Other Materials: STONES
Mat3: 74
Other Materials: LAYERED
Formation Top Depth: 110
Formation End Depth: 130
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931070397
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931070398
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 17

Other Materials: SHALE
Mat3: 74
Other Materials: LAYERED
Formation Top Depth: 20
Formation End Depth: 31
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933113583
Layer: 2
Plug From: 15
Plug To: 115
Plug Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933113582
Layer: 1
Plug From: 0
Plug To: 15
Plug Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933113584
Layer: 3
Plug From: 115
Plug To: 130
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID:
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 10598767
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087739
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 130
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Water Details

Water ID: 933488460
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 123
Water Found Depth UOM: ft

Site:
lot 6 ON

Database:
WWIS

Well ID: 1528362
Construction Date:
Primary Water Use: Municipal
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 154297
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 12/19/1994
Selected Flag: Yes
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049901
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 6/22/1994
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock
Materials Interval

Formation ID: 931069428
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 84
Other Materials: SILTY
Mat3: 11
Other Materials: GRAVEL
Formation Top Depth: 2
Formation End Depth: 11
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931069429
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 84
Other Materials: SILTY
Mat3:
Other Materials:
Formation Top Depth: 11
Formation End Depth: 17
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931069427
Layer: 1
Color: 6
General Color: BROWN
Mat1: 01
Most Common Material: FILL
Mat2: 28
Other Materials: SAND
Mat3: 11
Other Materials: GRAVEL
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

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

Pipe Information

Pipe ID: 10598471
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087230
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 15
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Water Details

Water ID: 933488022
Layer: 1

Kind Code: 5
Kind: Not stated
Water Found Depth: 4
Water Found Depth UOM: ft

Site:
lot 7 ON

Database:
WWIS

Well ID:	1524618	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Cooling And A/C	Date Received:	6/21/1990
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Test Hole	Abandonment Rec:	
Water Type:		Contractor:	5222
Casing Material:		Form Version:	1
Audit No:	84331	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	OTTAWA CITY
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	007
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10046366	Elevation:	
DP2BR:	12	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	6/13/1990	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock
Materials Interval

Formation ID:	931058527
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	85
Other Materials:	SOFT
Mat3:	
Other Materials:	
Formation Top Depth:	12
Formation End Depth:	21
Formation End Depth UOM:	ft

Overburden and Bedrock
Materials Interval

Formation ID: 931058526
Layer: 2
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 08
Other Materials: FINE SAND
Mat3:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931058525
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 77
Other Materials: LOOSE
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Method of Construction & Well
Use

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

Pipe Information

Pipe ID: 10594936
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081182
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 10
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Site:
lot 6 ON

Database:
WWIS

Well ID: 1522709
Construction Date:
Primary Water Use: Domestic

Data Entry Status:
Data Src: 1
Date Received: 10/26/1988

Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 27039
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: Yes
Abandonment Rec: 3644
Contractor: 1
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044519
DP2BR: 23
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 7/25/1988
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock
Materials Interval

Formation ID: 931052358
Layer: 3
Color: 1
General Color: WHITE
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 95
Formation End Depth: 123
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931052357
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:

Formation Top Depth: 23
Formation End Depth: 95
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931052356
Layer: 1
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 23
Formation End Depth UOM: ft

Method of Construction & Well
Use

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

Pipe Information

Pipe ID: 10593089
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077854
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 123
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930077853
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 26
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991522709
Pump Set At:

Static Level: 20
Final Level After Pumping: 70
Recommended Pump Depth: 70
Pumping Rate: 30
Flowing Rate:
Recommended Pump Rate: 15
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: N

Draw Down & Recovery

Pump Test Detail ID: 934656258
Test Type:
Test Duration: 45
Test Level: 70
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386882
Test Type:
Test Duration: 30
Test Level: 70
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934905075
Test Type:
Test Duration: 60
Test Level: 70
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111038
Test Type:
Test Duration: 15
Test Level: 70
Test Level UOM: ft

Water Details

Water ID: 933480704
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 118
Water Found Depth UOM: ft

Water Details

Water ID: 933480703
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 95
Water Found Depth UOM: ft

Site:
lot 7 ON

Database:
WWIS

Well ID: 1522583
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 38250
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 9/27/1988
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 007
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044395
DP2BR: 69
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 8/13/1988
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931051956
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 4
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931051959
Layer: 4
Color: 2

General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 55
Formation End Depth: 69
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931051957
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 4
Formation End Depth: 13
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931051958
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 13
Formation End Depth: 55
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931051960
Layer: 5
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 69
Formation End Depth: 100
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

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

Pipe Information

Pipe ID: 10592965
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077635
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 74
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930077636
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 100
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991522583
Pump Set At:
Static Level: 20
Final Level After Pumping: 50
Recommended Pump Depth: 60
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934110919
Test Type: Draw Down
Test Duration: 15
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934656138
Test Type: Draw Down
Test Duration: 45
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934904535
Test Type: Draw Down
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386344
Test Type: Draw Down
Test Duration: 30
Test Level: 50
Test Level UOM: ft

Water Details

Water ID: 933480534
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 93
Water Found Depth UOM: ft

Water Details

Water ID: 933480533
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 70
Water Found Depth UOM: ft

Site:
lot 6 ON

Database:
WWIS

Well ID: 1522283
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 25126
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 5/17/1988
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10044096	Elevation:	
DP2BR:	82	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	4/15/1988	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931050812
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	77
Other Materials:	LOOSE
Mat3:	
Other Materials:	
Formation Top Depth:	20
Formation End Depth:	68
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931050813
Layer:	4
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	68
Formation End Depth:	82
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931050814
Layer:	5
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	

Formation Top Depth: 82
Formation End Depth: 85
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931050811
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 8
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931050810
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Method of Construction & Well
Use

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

Pipe Information

Pipe ID: 10592666
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077120
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 85
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930077119
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 83
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991522283
Pump Set At:
Static Level: 12
Final Level After Pumping: 50
Recommended Pump Depth: 60
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934655043
Test Type: Draw Down
Test Duration: 45
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934109811
Test Type: Draw Down
Test Duration: 15
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934385794
Test Type: Draw Down
Test Duration: 30
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934903458
Test Type: Draw Down
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Water Details

Water ID: 933480113
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 84
Water Found Depth UOM: ft

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.

Abandoned Aggregate Inventory:

Provincial [AAGR](#)

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial [AGR](#)

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2019

Abandoned Mine Information System:

Provincial [AMIS](#)

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites:

Private [ANDR](#)

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial [AST](#)

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private [AUWR](#)

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

Government Publication Date: 1999-Jan 31, 2020

Borehole:

Provincial [BORE](#)

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

Chemical Register:

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

Compressed Natural Gas Stations:

Private CNG

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

Government Publication Date: Dec 2012 - Feb 2020

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

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

Government Publication Date: 1989-Nov 2019

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-Mar 31, 2020

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 2019

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-Apr 30, 2020

Environmental Registry:

Provincial [EBR](#)

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994-Mar 31, 2020

Environmental Compliance Approval:

Provincial [ECA](#)

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

Government Publication Date: Oct 2011-Apr 30, 2020

Environmental Effects Monitoring:

Federal [EEM](#)

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private [EHS](#)

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Jan 31, 2020

Environmental Issues Inventory System:

Federal [EIS](#)

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 EIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial [EMHE](#)

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report:

Provincial [EPAR](#)

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

List of Expired Fuels Safety Facilities:

Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

Federal Convictions:

Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal FCS

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

Government Publication Date: Jun 2000-Nov 2019

Fisheries & Oceans Fuel Tanks:

Federal FOFT

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal FRST

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

Government Publication Date: May 31, 2018

Fuel Storage Tank:

Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

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-Jan 31, 2020

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 2017

TSSA Historic Incidents:

Provincial

HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

INC

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

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as 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 will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

Canadian Mine Locations:

Private

MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Jan 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, 2018

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-Dec 31, 2019

National Energy Board Wells:

Federal

NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

[OGWE](#)

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

Government Publication Date: 1988-Feb 29, 2020

Ontario Oil and Gas Wells:

Provincial

[OOGW](#)

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Jun 2019

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-Mar 31, 2020

Canadian Pulp and Paper:

Private

[PAP](#)

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

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

Parks Canada Fuel Storage Tanks:

Federal

[PCFT](#)

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial

[PES](#)

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

Government Publication Date: 1988 - Apr 2020

Pipeline Incidents:

Provincial

[PINC](#)

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

Government Publication Date: Feb 28, 2017

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-Mar 31, 2020

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: 1986-2016

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 clean-up 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-Mar 2020

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-Jan 31, 2020

Scott's Manufacturing Directory:

Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

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

Government Publication Date: 1988-Aug 2019

Wastewater Discharger Registration Database:

Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks:

Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal TCFT

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

Government Publication Date: 1970-Aug 2018

Variances for Abandonment of Underground Storage Tanks:

Provincial [VAR](#)

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

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

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-Apr 30, 2020

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial [WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial [WWIS](#)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Feb 28, 2019

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

POSITION

Intermediate Environmental Engineer

EDUCATION

Carleton University
M.A.Sc., Environmental Engineering, 2013
B.Eng., Environmental Engineering, 2008

MEMBERSHIPS & AWARDS

Ontario Professional Engineers Association (EIT)
NSERC Industry R&D Scholarship

EXPERIENCE

2018 – Present

Paterson Group Inc.

Consulting Engineers
Geotechnical and Environmental Division
Environmental Engineer

2014 – 2015

Thurber Engineering Limited

Oil Sand Tailings Group
Tailings Engineer

2009 – 2014

Carleton University

Department of Civil & Environmental Engineering
Research Engineer, Research Assistant & Teaching Assistant

2008 – 2009

SLR Consulting Limited

Contaminated Sites
Junior Environmental Engineer

SELECTED LIST OF PROJECTS

Phase I & II Environmental Site Assessments – NRC, Kingston
Remediation – National Capital Region, Saskatchewan
Multi-lift and dry-stacking pilot programs – Northern Alberta
Polymer amended oil sand tailings – Northern Alberta
Hydraulic cut-off wall – Allen, Saskatchewan
Cemented paste backfill systems – Northern Ontario

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