

# **Phase I – Environmental Site Assessment**

304 and 308 Donald Street  
Ottawa, Ontario

Prepared for Upscale Homes

Report: PE6501-1R  
September 3, 2024

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## EXECUTIVE SUMMARY

### Assessment

Paterson Group was retained by Mr. Alfred Abboud of Upscale Homes to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for 304 and 308 Donald Street, in the City of Ottawa, Ontario. The objective of this Phase I ESA was to research the past and current use of the site (Phase I Property) and 250 m study area (Phase I Study Area) and to identify any environmental concerns with the potential to have impacted the subject property.

According to the historical research, the Phase I Property was first developed sometime circa 1958 with two one-storey detached single family residential dwellings. Since that time, the use of the Phase I Property has not changed. The surrounding lands within the Phase I Study Area were similarly developed for residential purposes around the same time, with the exception of various institutional (school and church) properties to the east and west of the subject site.

Presently, the Phase I Property remains occupied by the aforementioned residential dwellings, while the surrounding lands largely consist of a mix of residential, institutional and community uses.

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

### Recommendations

#### Hazardous Building Materials

Based on the age of the subject buildings, asbestos containing building materials may be present within the structures. Potential ACMs observed in the subject buildings include drywall joint compound, plaster and parging and vinyl floor tiles. These materials were observed to be in good condition at the time of the site inspection and do not represent an immediate concern to the building's occupants. An asbestos survey of the subject buildings should be conducted in accordance with Ontario Regulation 278/05, under the Occupational Health and Safety Act, prior to any proposed demolition activities, if one has not already been conducted.

Based on the age of the subject buildings, lead-based paints may be present on any original or older painted surfaces. The painted surfaces within the subject buildings were generally observed to be in good condition and do not pose an immediate concern to the occupants of the buildings. Major work involving lead-based paint or other lead containing

products must be done in accordance with O.Reg. 843, under the Occupational Health and Safety Act.

It is recommended that a Designated Substance Survey (DSS) be conducted for the existing buildings prior to any future renovation or demolition activities.



## 1.0 INTRODUCTION

At the request of Upscale Homes., Paterson Group (Paterson) conducted a Phase I – Environmental Site Assessment (Phase I ESA) for 304 and 308 Donald Street, in the City of Ottawa, Ontario, (Phase I Property). The objective of this Phase I ESA has been to research the past and current use of the Phase I Property, as well as the neighbouring properties within a 250 m study area (Phase I Study Area), to identify any potentially contaminating activities (PCAs) that would result in areas of potential environmental concern (APECs) on the Phase I Property.

Paterson was engaged to conduct this Phase I ESA by Mr. Alfred Abboud, of Upscale Homes, who can be reached at 613-816-0964.

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

This Phase I ESA report has been prepared under the supervision of a Qualified Person, in general accordance with Ontario Regulation (O. Reg.) 153/04, as amended under the Environmental Protection Act, and CSA Z768-01 (reaffirmed 2022). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information, as well as a cursory review made at the time of the field assessment. The historical research relies upon 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.

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## 2.0 PHASE I PROPERTY INFORMATION

Address:	304 and 308 Donald Street, Ottawa, Ontario.
Legal Description:	Part of Lot 8, Junction Gore Concession (Rideau Front), Township of Gloucester, in the City of Ottawa.
Location:	The Phase I Property is situated on the south side of Donald Street, at the southeast corner of the intersection of Donald Street and Edith Avenue, in the City of Ottawa, Ontario. For the purposes of this report, Donald Street runs in an east-west orientation. Refer to Figure 1 – Key Plan, for the site location context.
Latitude and Longitude:	45° 25' 39.51" N, 75° 39' 17.84" W.

### **Site Description:**

Configuration:	Rectangular.
Area:	1085 m <sup>2</sup> (approximately).
Zoning:	R4UC – Residential Fourth Density Zone.
Current Use:	The Phase I Property is currently used for residential purposes and is occupied by a one-storey multi unit residential building (304 Donald St) and a one-storey residential dwelling (308 Donald St).
Services:	The Phase I Property is located within a municipally serviced area.

### 3.0 SCOPE OF INVESTIGATION

The scope of work for this Phase I ESA is described as follows:

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

## **4.0 RECORDS REVIEW**

### **4.1 General**

#### **Phase I ESA Study Area Determination**

A radius of approximately 250 m was deemed appropriate for defining the study area for this assignment, herein referred to as the Phase I Study Area. Properties located outside of the Phase I Study Area are not considered to have had the potential to impact the Phase I Property, based on their significant separation distances.

#### **First Developed Use Determination**

Based on a review of available historical information, the Phase I Property was first developed sometime prior to 1958 with two single family dwellings.

#### **Fire Insurance Plans**

Fire Insurance Plans (FIPs) are not available for the area of the Phase I Property.

#### **City of Ottawa Street Directories**

City of Ottawa street directories were reviewed in approximate ten year intervals, between 1940 and 2011, for the general area of the Phase I Property as part of this assessment. These directories contain descriptions regarding the historical land uses of properties situated within the Phase I Study Area.

During the time period reviewed, the Phase I Property and adjacent lands have been used for residential purposes, with the exception of some churches and schools along Donald Street to the east. No concerns were identified during the directories review.

#### **Plan of Survey**

A plan of survey was not provided for the Phase I Property as part of this assessment.

#### **Chain of Title**

A chain of title was not requested for the Phase I Property as part of this assessment, since it is our opinion that no new information would be ascertained.

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## 4.2 Environmental Source Information

### **National Pollutant Release Inventory**

A search of the National Pollutant Release Inventory (NPRI) database was conducted as part of this assessment. This federally managed database provides various reports and tracking information relating to the release of solid, liquid, or gaseous pollutants from industrial facilities into the natural environment.

A search of this database did not identify any pollutant release records listed for the Phase I Property, or any properties situated within the Phase I Study Area.

### **MECP Incident Reports**

A request was submitted to the MECP Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants, or inspections maintained by the MECP for the Phase I Property or any of the neighbouring properties. The response from the MECP indicated that no relevant records were identified pertaining to the subject site.

### **MECP Instruments**

A request was submitted to the MECP Freedom of Information office for information with respect to certificates of approval, permits to take water, certificates of property use, or any other similar MECP issued instruments for the Phase I Property. The response from the MECP indicated that no relevant records were identified pertaining to the subject site.

### **MECP Submissions**

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions for the Phase I Property. The response from the MECP indicated that no relevant records were identified pertaining to the subject site.

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## **MECP Waste Management Records**

A request was submitted to the MECP Freedom of Information office for information with respect to waste management records for the Phase I Property. The response from the MECP indicated that no relevant records were identified pertaining to the subject site.

## **MECP Brownfields Environmental Site Registry**

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment. This database contains publicly available information on Records of Site Condition (RSCs) filed in the Province of Ontario between 2004 and 2024. No Records of Site Condition (RSCs) were filed for the Phase I Property or any properties in the Phase I Study Area.

## **MECP Waste Disposal Site Inventory**

The Ontario Ministry of Environment, Conservation and Parks document entitled, "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 former waste disposal sites situated on the Phase I Property or within the Phase I Study Area.

## **MECP Coal Gasification Plant Inventory**

The Ontario Ministry of Environment, Conservation and Parks document entitled, "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed as part of this assessment. This document provides a reference to the locations of former plants with respect to the Phase I Property.

A review of this document did not identify any former coal gasification plants located on the Phase I Property or within the Phase I Study Area.

## **Ontario PCB Waste Storage Site Inventory**

The Ontario Ministry of Environment, Conservation and Parks document entitled, "*Ontario Inventory of PCB Storage Sites, April 1995*" was reviewed as part of this assessment. This document identifies all recorded active and closed PCB waste storage sites situated in the Province of Ontario.



A review of this document did not identify any former PCB waste storage sites situated within the Phase I Study Area.

### **Technical Standards and Safety Authority (TSSA)**

The TSSA Fuels Safety Branch in Toronto was contacted electronically on April 10, 2024, as part of this assessment, to inquire about current and former fuel storage tanks, spills, and historical incidents for the Phase I Property as well as the neighbouring properties within the Phase I Study Area. No records were found for the Phase I Property and surrounding properties.

### **OMNRF Areas of Natural and Scientific Interest (ANSI)**

A search for ANSI sites situated within the Phase I Study Area was conducted electronically via the Ontario Ministry of Natural Resources and Forestry (OMNRF) website as part of this assessment.

A review of the available mapping information did not identify any ANSI sites situated on the Phase I Property or within the Phase I Study Area.

### **City of Ottawa Old Landfill Sites**

The document prepared by Golder Associates entitled, “*Old Landfill Management Strategy, Phase I - Identification of Sites, City of Ottawa*”, was reviewed as part of this assessment. This document identifies the details and locations of all recorded closed landfill sites situated in the City of Ottawa.

A review of this document did not identify any former landfills located on the Phase I Property or within the Phase I Study Area.

### **City of Ottawa Former Industrial Sites**

The document prepared by Intera Technologies Limited entitled, “*Mapping and Assessment of Former Industrial Sites, City of Ottawa*”, was reviewed as part of this assessment.

A review of this document did not identify any former industrial sites situated on the Phase I Property or within the Phase I Study Area.

### **City of Ottawa Historical Land Use Inventory (HLUI) Database**

As part of this assessment, a requisition form was submitted to the City of Ottawa to request information from the City’s Historical Land Use Inventory (HLUI)

database for any environmental records pertaining to the Phase I Property as well as any properties situated within the Phase I Study Area.

The response from the City identified several activities within the Phase I Study Area. Based on the down- and/or cross-gradient orientation and separation distance of these activities, they are not considered to pose an environmental concern to the Phase I Property. A copy of the response has been included in Appendix 2.

### **ERIS Database Report**

A database report, prepared by ERIS (Environmental Risk Information Services Ltd.), dated March 15, 2024, was acquired and reviewed as part of this assessment. This report provides a compilation of various provincial and federal environmental related records pertaining to any properties situated within the Phase I Study Area. The complete ERIS report has been included in Appendix 2.

The ERIS report did not identify any records pertaining to the Phase I Property.

The ERIS report identified a total of 63 records for properties within the 250 m radius of the Phase I Property (9 of which are previous ERIS searches).

The ERIS report identified 12 Waste Generator records for properties within 250 m of the Phase I Property. One record was identified for the property addressed 320 Columbus Avenue, approximately 175 m east-southeast of the Phase I Property, associated with a City of Ottawa project in 2015. Waste classes listed include oil skimmings and sludges. The presence of this waste generator does not pose an environmental concern with respect to the Phase I Property. Six records were identified for the property addressed 33 Quill Street, approximately 240 m south-southwest of the Phase I Property, pertaining to its use as a City community centre. Waste classes listed include light fuels. The presence of this waste generator does not pose an environmental concern with respect to the Phase I Property. Five records were identified for the property addressed 255 Donald Street, approximately 240 m west-northwest of the Phase I Property, pertaining to its former use as a school from 1986 to 1998 and a real estate office. Waste classes listed include inorganic and organic laboratory chemicals. The presence of this waste generator does not pose an environmental concern with respect to the Phase I Property.

The ERIS report identified 13 Ontario Spill records (8 of which are natural gas leaks) for properties within 250 m of the Phase I Property. One of the records identified pertains to the property addressed 324 Donald Street, approximately 58

m east of the Phase I Property, associated with 1L of furnace oil spilled indoors. Based on the listed receiving medium, it poses no environmental concern to the Phase I Property. One Ontario spill record was identified for the property addressed 320 Fullerton Avenue, approximately 115 m north-northeast of the Phase I Property. The record is associated with 3L of oil to the ground. Based on the separation distance and cross-gradient orientation of the spill, it poses no environmental concern with respect to the Phase I Property. One spill record was identified for the property addressed 319 Fullerton Avenue, approximately 125 m north-northeast of the Phase I Property. The record is associated with 9L of fuel oil leaked to two properties. Based on the separation distance and cross-gradient orientation of the spill, it poses no environmental concern with respect to the Phase I Property. One spill record was identified for 312 Columbus Avenue, approximately 149 m east-southeast of the Phase I Property. The record is associated with 675L of furnace oil spilt to the sanitary sewer from the tank. Based on the listed receiving medium, separation distance and cross-gradient orientation, it poses no environmental concern to the Phase I Property. One spill record was identified for the property addressed 230 Columbus Avenue, approximately 205 m west-southwest of the Phase I Property. The record is associated with 3L of motor oil from an uncovered pan to the ground. Based on the separation distance and cross-gradient orientation of the spill, it poses no environmental concern with respect to the Phase I Property.

The ERIS report identified 10 well records and 4 borehole records within the Phase I Study Area, which are further discussed in the MECP Water Well Records section of this report.

The ERIS report identified 6 environmental compliance approvals (ECAs) for properties within 250 m of the Phase I Property. The records were limited to municipal and private sewage works and municipal drinking water systems, which are not considered to pose an environmental risk to the property.

A copy of the ERIS report is provided in Appendix 2.

### **Previous Engineering Reports**

Based on a review of our files, Paterson has completed various Phase I for multiple properties situated within the Phase I Study Area. A review of these reports did not identify any environmental concerns with the potential to impact the Phase I Property.

### 4.3 Physical Setting Sources

Historical aerial photographs of the Phase I Study Area were obtained from the National Air Photo Library and City of Ottawa (geoOttawa), and reviewed in approximate ten-year intervals, beginning with the earliest available photograph. Based on a review of these photographs, the following observations have been made:

- 1928 (Poor Quality, geoOttawa) The Phase I Property, as well as the surrounding properties, are vacant and or used for agricultural purposes. Several residential dwellings can be seen to the southwest of the Phase I Property. A portion of King George Street, Queen Street and Prince Albert Street are observed to the southwest of the Phase I Property. A farmstead is present to the north of the Phase I Property along McCarthur Avenue.
- 1933 No significant changes are apparent with respect to the Phase I Property or the surrounding lands since the time of the previous aerial photograph.
- 1945 No significant changes are apparent with respect to the Phase I Property. A portion of the land to the southwest has been developed with single family dwellings. No other significant changes are apparent with respect to the surrounding lands.
- 1958 (geoOttawa) The Phase I Property has been developed with two single family dwellings. Donald Street has been constructed and is in its current orientation. The surrounding lands have been developed with single family dwellings. No other significant changes are apparent with respect to the surrounding lands.
- 1965 (geoOttawa) No significant changes are apparent with respect to the Phase I Property. A commercial building has been developed to the north along McCarthur Avenue. A church has been constructed to the west of the Phase I Property, on the north side of Donald Street. No other significant changes are apparent with respect to the surrounding lands.
- 1979 (geoOttawa) No significant changes are apparent with respect to the Phase I Property. A school has been constructed adjacent to the

church, along the north side of Donald Street. No other significant changes are apparent with respect to the surrounding lands.

- 1991 (geoOttawa) No significant changes are apparent with respect to the Phase I Property or the surrounding lands since the time of the previous aerial photograph.
- 2002 (geoOttawa) No significant changes are apparent with respect to the Phase I Property or the surrounding lands since the time of the previous aerial photograph.
- 2011 (geoOttawa) No significant changes are apparent with respect to the Phase I Property or the surrounding lands since the time of the previous aerial photograph.
- 2022 (geoOttawa) No significant changes are apparent with respect to the Phase I Property. The properties to the southwest and east of the Phase I Property have been redeveloped with multi-storey residential apartment buildings. No other significant changes are apparent with respect to the surrounding lands.

Copies of the aerial photographs selected for review are included in Appendix 1.

### **Geological Maps**

Geological mapping information for the Phase I Property was obtained from The Geological Survey of Canada – Urban Geology of the National Capital Area and reviewed as part of this assessment.

Based on the available mapping information, the bedrock beneath the Phase I Property generally consists of interbedded limestone and shale of the Billings Formation. The surficial geology consists largely of offshore marine deposits consisting of clay and silt, and alluvial deposits consisting of sand and silt, with a drift thickness ranging from approximately 3 m to 5 m.

### **Water Bodies**

No water bodies are present on the Phase I Property or within the Phase I Study Area.

The nearest named water body with respect to the Phase I Property is the Ottawa River, located approximately 1.2 km to the west.

## Topographic Maps

A topographic map of the Phase I Property was obtained from the Natural Resources Canada – The Atlas of Canada website and reviewed as part of this assessment. The topographic map indicates that the general elevation of the Phase I Property is approximately 64 m above sea level, while the regional topography within the greater area is depicted as sloping downwards to the west, in the general direction of the Rideau River.

An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

## Physiographic Maps

A physiographic map was obtained from the Natural Resources Canada – The Atlas of Canada website and reviewed as a part of this assessment. According to the publication and available mapping information, the Phase I Property is situated within the St. Lawrence Lowlands. According to the description provided: “...*the lowlands are plain-like areas that were 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.

## MECP Water Well Records

A search of the MECPs website for all drilled well records within a 250 m radius of the Phase I Property was conducted as part of this assessment. The search identified 9 well records within the Phase I Study Area. These records pertain to wells installed between 2009 and 2017 and used for groundwater observation purposes, or wells that have been decommissioned. Based on the availability of municipal water services, no drinking water wells are expected to remain in use within the Phase I Study Area.

According to the well records, the subsurface stratigraphy in the general area of the Phase I Property consists of fill consisting of sand with silt and gravel. Bedrock, consisting of weathered shale, was generally encountered at an average depth of approximately 3 m below ground surface.

A select number of the aforementioned well records have been included in Appendix 2.



## **5.0 INTERVIEWS**

### **Property Owner**

Mr. Alfred Abboud, of Upscale Homes, the current property owner, was contacted electronically to respond to questions about the environmental history of the Phase I Property. Mr. Abboud stated that the current residential dwellings were first constructed in the 1960s. Mr. Abboud noted that the properties are used for residential purposes. Mr. Abboud mentioned that the dwellings are currently heated by natural gas. Mr. Abboud stated that they have owned the properties for less than a year. Mr. Abboud was unaware of any environmental concerns regarding the current or historical activities of the Phase I Property or any other neighbouring properties.

## **6.0 SITE RECONNAISSANCE**

### **6.1 General Requirements**

A site inspection was conducted for the Phase I Property on April 17, 2024, between 10:00 AM and 11:00 AM. Weather conditions were partly cloudy, with a temperature of approximately 10 °C. Mr. Joshua Dempsey, from the Environmental Department of Paterson Group, conducted the inspection.

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 inspection.

### **6.2 Specific Observations at the Phase I Property**

#### **Site Description**

The Phase I Property is currently occupied by two residential dwellings, 304 Donald Street is occupied by a one-storey multi unit residential building, and 308 Donald Street is occupied by a one-storey residential dwelling. The remainder of the properties consist of landscaped front and rear yards, in addition to an asphaltic concrete driveway along the sides of the dwellings.

The site topography is relatively flat with a slight downward incline towards Donald Street. The regional topography appears to slope down towards the west, in the general direction the Rideau River. The Phase I Property is considered to be at grade with respect to the neighbouring streets.

Water drainage on the Phase I Property occurs primarily via infiltration within the front and rear yards as well as via surface run-off towards catch basins present along Donald Street and Edith Avenue.

No ponded water, stressed vegetation, surficial staining, or any other indications of potential sub-surface contamination were observed on the Phase I Property at time of the site inspection.

A depiction of the Phase I Property is illustrated on Drawing PE6501-1 – Site Plan, in the Figures section of this report.

### **Buildings and Structures**

At the time of the site inspection, the Phase I Property was occupied by two one-storey residential dwellings.

#### **304 Donald Street**

The property addressed 304 Donald Street is occupied a one-storey multi-unit residential building, with one full basement half a level below grade. Built sometime in the 1950s, the residence is constructed with a poured concrete foundation and is finished on the exterior with bricks and vinyl siding at the rear. The building has a sloped, shingled roof. The building is currently heated via a natural gas-fired furnace, located in the basement.

#### **308 Donald Street**

The property addressed 308 Donald Street is occupied by a one-storey residential dwelling, with one full basement level partially submerged. Built sometime in the 1950s, the residence is constructed with a poured concrete foundation and is finished on the exterior with bricks and vinyl siding along the roof. The dwelling has a sloped, shingled roof. The building is currently heated via a natural gas-fired furnace, located in the basement.

### **Potential Environmental Concerns**

#### **Fuels and Chemical Storage**

At the time of the site inspection, no vent and fill pipes, above ground fuel storage tanks (ASTs), or evidence indicating the presence of any underground fuel storage tanks (USTs) were observed on the exterior of the Phase I Property.

### **Hazardous Materials and Unidentified Substances**

At the time of the site inspection, no hazardous materials, unidentified substances, spills, surficial staining, abnormal odours, stressed vegetation, or any other indications of potential sub-surface contamination were observed on the exterior of the Phase I Property.

### **Polychlorinated Biphenyls (PCBs) and Transformer Oil**

At the time of the site inspection, no electrical transformers or any other potential sources of PCBs or transformer oil were identified on the exterior of the Phase I Property.

### **Waste Management**

At the time of the site inspection, domestic waste and recyclable materials were observed to be stored in plastic bins on the exterior of the residences and are reportedly collected by the municipality on a weekly basis. No environmental concerns were identified with respect to waste management practices on the Phase I Property.

## **Interior Assessment**

A general description of the interior of the residential dwelling at 304 Donald Street is as follows:

- The floors consist of vinyl floor tiles and poured concrete (basement);
- The walls consist of drywall and/or plaster;
- The ceilings consist of drywall and/or plaster on the main floor, with suspended tiles and drywall;
- Lighting throughout the building is provided by incandescent and fluorescent light fixtures.

The residential dwelling is heated via a natural gas fired furnace located in the basement.

A general description of the interior of the residential dwelling at 308 Donald Street is as follows:

- The floors consist of poured concrete (basement), vinyl floor tiles;

- The walls consist of drywall and/or plaster;
- The ceilings consist of drywall and/or plaster;
- Lighting throughout the building is provided by incandescent and fluorescent light fixtures.

The residential dwelling is heated via a natural gas fired furnace located in the basement.

### **Potentially Hazardous Building Products**

#### **Asbestos-Containing Materials (ACMs)**

Based on the age of the subject buildings (circa 1958), asbestos containing building materials may be present within the structures. Potential ACMs observed in the subject buildings include drywall joint compound, plaster over parging and vinyl floor tiles. These materials were observed to be in good condition at the time of the site inspection and do not represent an immediate concern to the building's occupants.

#### **Lead-Based Paints**

Based on the age of the subject buildings (circa 1958), lead-based paints may be present on any original or older painted surfaces. Painted surfaces were generally observed to be in good condition at the time of the site inspection and do not represent an immediate concern.

#### **Polychlorinated Biphenyls (PCBs) and Transformer Oil**

No potential sources of PCBs were identified inside the subject buildings at the time of the site inspection.

#### **Urea Formaldehyde Foam Insulation (UFFI)**

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

## Other Potential Environmental Concerns

### Interior Fuel and Chemical Storage

No vent and fill pipes, aboveground fuel storage tanks, or evidence indicating the presence of any underground fuel storage tanks were observed within the subject buildings at the time of the site inspection.

Chemical products identified in the subject buildings were observed to be predominantly limited to domestically available cleaning products, stored properly in their original containers.

### Ozone Depleting Substances (ODSs)

Potential sources of ODSs observed on-site include a fire extinguisher, a refrigerator, and a freezer. These appliances appeared to be in good condition at the time of the site inspection and should be regularly serviced by a licensed contractor.

### Wastewater Discharges

No sump pits or floor drains were observed in the subject buildings at the time of the site inspection.

Wastewater from the subject buildings (wash water and sewage) is discharged into the City of Ottawa sanitary sewer system. Roof drainage is discharged via surface run-off towards catch basins located on the adjacent streets, which drain into the City of Ottawa storm water sewer system. No concerns were identified with respect to wastewater discharge on the subject site.

## Neighbouring Properties

At the time of the site inspection, a survey of the neighbouring properties was conducted from publicly accessible roadways.

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

*North:* Donald Street, followed by residential dwellings;

*East:* Residential dwellings and a residential apartment building;

*South:* Residential dwellings, followed by Columbus Avenue;

*West:* Edith Avenue, followed by residential dwellings.

No potential environmental concerns were identified with respect to the current use of the adjacent properties.

The neighbouring land use within the Phase I Study Area is depicted on Drawing PE6501-2 – Surrounding Land Use Plan, in the Figures section of this report.

## 7.0 REVIEW AND EVALUATION OF INFORMATION

### 7.1 Land Use History

Based on a review of available historical information, the land use history of the Phase I Property is summarized below in Table 1.

<b>Table 1: Land Use History 304 &amp; 308 Donald Street, Ottawa, Ontario</b>			
<b>Time Period</b>	<b>Land Use</b>	<b>Description</b>	<b>Observations</b>
<b>304 Donald Street</b>			
Prior to 1958	Agricultural or Other Use	Agricultural	Aerial photographs from the 1930's and 1940's confirm that the Phase I Property was used for agricultural purposes during this time period.
1958-Present	Residential Use	Multi Unit Residential Dwelling	Aerial photographs from the 1950's to the present day, as well as city directories, a site inspection, and personal interviews, confirm the presence of a residential dwelling occupying the Phase I Property during this time period.
<b>308 Donald Street</b>			
Prior to 1958	Agricultural or Other Use	Agricultural	Aerial photographs from the 1930's and 1940's confirm that the Phase I Property was used for agricultural purposes during this time period.
1958-Present	Residential Use	Single Family Residential Dwelling	Aerial photographs from the 1950's to the present day, as well as city directories, a site inspection, and personal interviews, confirm the presence of a residential dwelling occupying the Phase I Property during this time period.



### **Potentially Contaminating Activities (PCAs)**

No PCAs were identified on the Phase I property. One PCA, a former dry cleaner was identified in the Phase I Study Area, at 320 McCarthur Avenue, approximately 240 m to the north northeast of the Phase I property.

### **Areas of Potential Environmental Concern (APECs)**

Based on the separation distance from the Phase I Property, the PCA identified at 320 McCarthur Avenue is not considered to represent an APEC on the Phase I Property.

### **Contaminants of Potential Concern (CPCs)**

No contaminants of potential concern were identified since no APECs were identified on the Phase I Property.

## **7.2 Conceptual Site Model**

### **Geological and Hydrogeological Setting**

Based on the available mapping information, the bedrock beneath the Phase I Property generally consists of interbedded limestone and shale of the Billings Formation. The surficial geology consists largely of offshore marine deposits consisting of clay and silt, and alluvial deposits consisting of sand and silt, with a drift thickness ranging from approximately 3 m to 5 m.

### **Water Bodies and Areas of Natural and Scientific Interest**

No water bodies or areas of natural and scientific interest are present on the Phase I Property or within the Phase I Study Area.

The nearest named water body with respect to the Phase I Property is the Rideau River, located approximately 1.2 km to the west.

### **Drinking Water Wells**

Based on the availability of municipal water services, no drinking water wells are expected to remain in use within the Phase I Study Area.

---

## **Existing Buildings and Structures**

The Phase I Property is currently occupied by a one-storey multi unit residential building at 304 Donald Street, and a one-storey residential dwelling at 308 Donald Street.

## **Current and Future Property Use**

The Phase I Property is currently used for residential purposes.

It is our understanding that the Phase I Property is to be redeveloped with a three-storey residential apartment building, configured for 31 units. Since the land use will remain as residential, a record of site condition (RSC) will not be required to be filed with the MECP.

## **Neighbouring Land Use**

The surrounding lands within the Phase I Study Area consist of a mix of residential, and institutional (school and church) properties along Donald Street. Current land use is depicted on Drawing PE6501-2 – Surrounding Land Use Plan, in the Figures section of this report.

## **Potentially Contaminating Activities and Areas of Potential Environmental Concern**

As per Section 7.1 of the Phase I ESA report, no potentially contaminating activities (PCAs) or areas of potential environmental concern (APECs) were identified on the Phase I Property.

One PCA was identified with respect to an off-site property situated within the Phase I Study Area. Based on its separation distance, and its hydraulically cross- or down-gradient orientation with respect to the anticipated groundwater flow to the north, this PCA is not considered to pose environmental concern to the Phase I Property.

## **Contaminants of Potential Concern**

As per Section 7.1 of this report, no CPCs were identified on the Phase I Property.

### **Assessment of Uncertainty and/or Absence of Information**

The information available for review as part of the preparation of this Phase I ESA is considered to be sufficient to conclude that there are no PCAs that have resulted in APECs associated with the Phase I Property.

The absence of any PCAs was confirmed by a variety of independent sources, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

## 8.0 CONCLUSIONS

### 8.1 Assessment

Paterson Group was retained by Mr. Alfred Abboud of Upscale Homes to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for 304 and 308 Donald Street, in the City of Ottawa, Ontario. The objective of this Phase I ESA was to research the past and current use of the site (Phase I Property) and 250 m study area (Phase I Study Area) and to identify any environmental concerns with the potential to have impacted the subject property.

According to the historical research, the Phase I Property was first developed sometime circa 1958 with two one-storey detached single family residential dwellings. Since that time, the use of the Phase I Property has not changed. The surrounding lands within the Phase I Study Area were similarly developed for residential purposes around the same time, with the exception of various institutional (school and church) properties to the east and west of the subject site.

Presently, the Phase I Property remains occupied by the aforementioned residential dwellings, while the surrounding lands largely consist of a mix of residential, institutional and community uses.

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

### 8.2 Recommendations

#### Hazardous Building Materials

Based on the age of the subject buildings, asbestos containing building materials may be present within the structures. Potential ACMs observed in the subject buildings include drywall joint compound, plaster and parging and vinyl floor tiles. These materials were observed to be in good condition at the time of the site inspection and do not represent an immediate concern to the building's occupants. An asbestos survey of the subject buildings should be conducted in accordance with Ontario Regulation 278/05, under the Occupational Health and Safety Act, prior to any proposed demolition activities, if one has not already been conducted.

Based on the age of the subject buildings, lead-based paints may be present on any original or older painted surfaces. The painted surfaces within the subject buildings were generally observed to be in good condition and do not pose an

immediate concern to the occupants of the buildings. Major work involving lead-based paint or other lead containing products must be done in accordance with O.Reg. 843, under the Occupational Health and Safety Act.

It is recommended that a Designated Substance Survey (DSS) be conducted for the existing buildings prior to any future renovation or demolition activities.

## 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 (reaffirmed 2022). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information 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 Phase I Property and/or historical information that differ from our findings, we request that we be notified immediately in order to allow for a reassessment.

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

### Paterson Group Inc.



Joshua Dempsey, B.Sc.



Mark D'Arcy, P.Eng., QP<sub>ESA</sub>



September 3, 2024

### Report Distribution:

- Upscale Homes
- 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 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.
- MECP: Ontario PCB Waste Storage Site Inventory, 1995.
- 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: GeoOttawa
- City of Ottawa: Historical Land Use Inventory Database
- City of Ottawa: document entitled, "Old Landfill Management Strategy, Phase I – Identification of Sites", prepared by Golder Associates, 2004.

### Local Information Sources

- Personal Interviews.
- Previous Engineering Reports.

### Public Information Sources

- ERIS Database Report.
- Google Earth.
- Google Maps/Street View.

# **FIGURES**

**FIGURE 1 – KEY PLAN**

**FIGURE 2 – TOPOGRAPHIC MAP**

**DRAWING PE6501-1 – SITE PLAN**

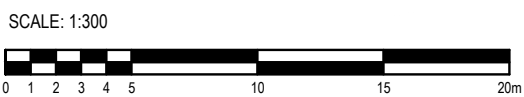
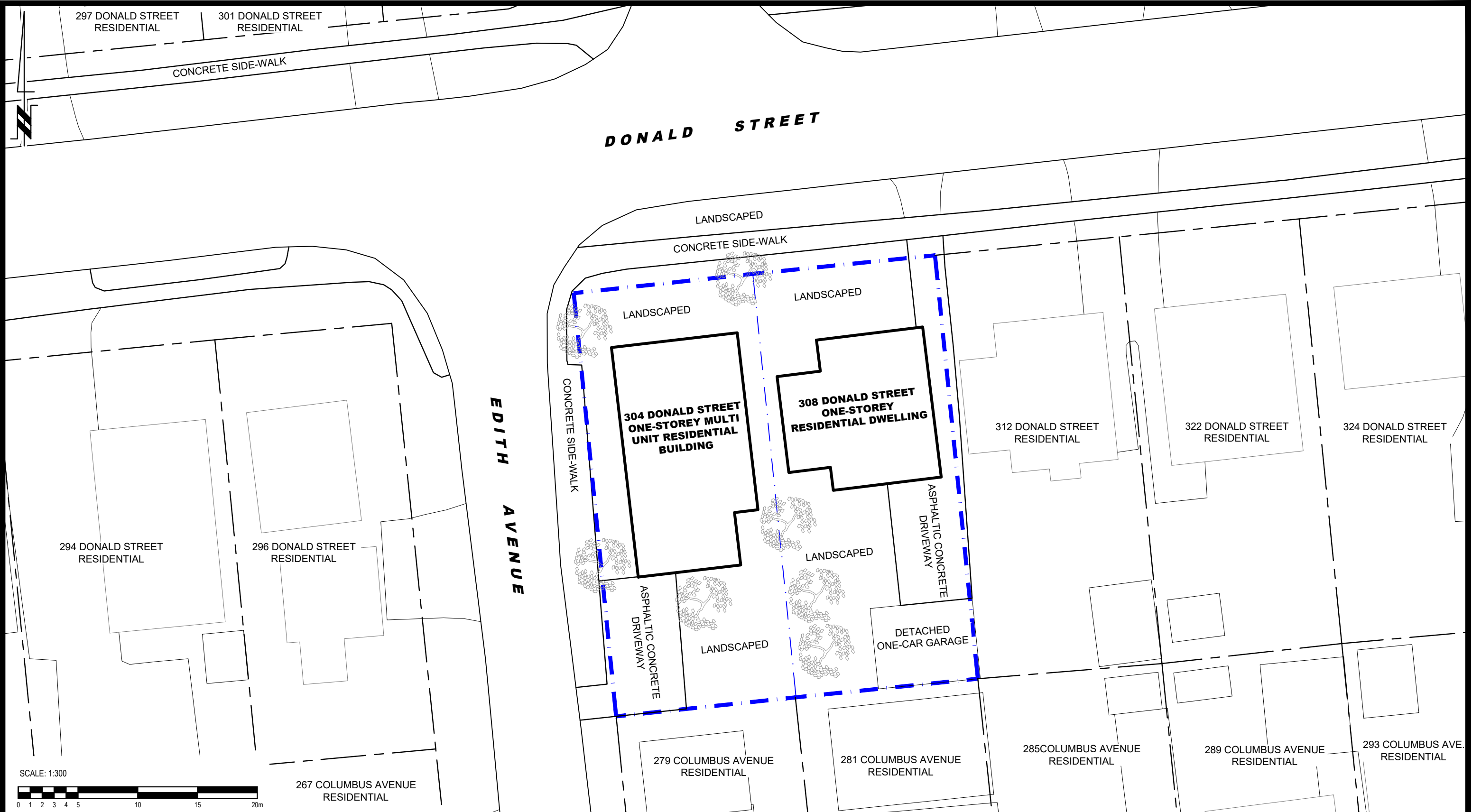
**DRAWING PE6501-2 – SURROUNDING LAND USE PLAN**



FIGURE 1  
KEY PLAN



FIGURE 2  
TOPOGRAPHIC MAP



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

NO.	REVISIONS	DATE	INITIAL

**UPSCALE HOMES**  
**PHASE I - ENVIRONMENTAL SITE ASSESSMENT**  
**304 AND 308 DONALD STREET**

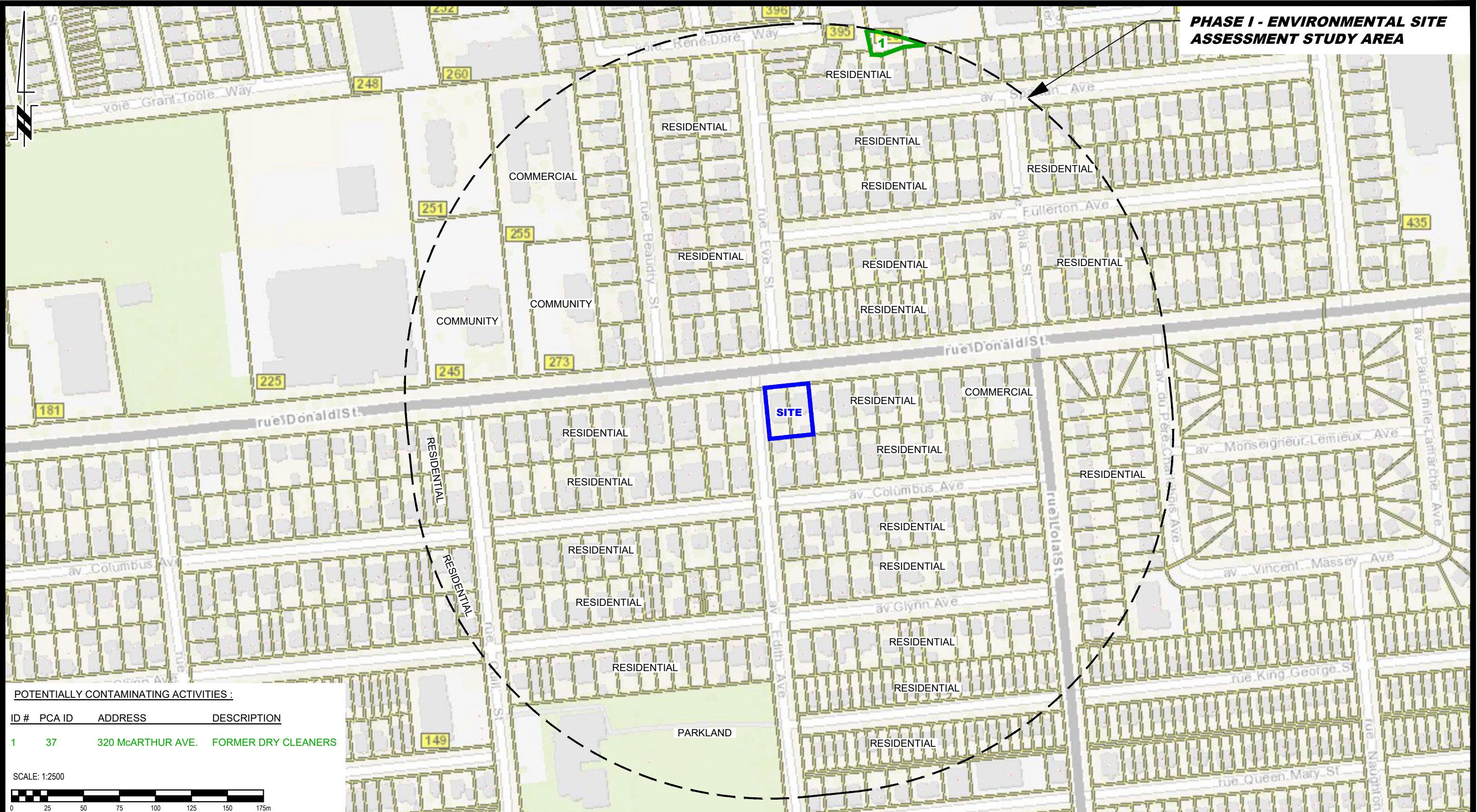
OTTAWA, ONTARIO

**SITE PLAN**

Scale:	1:300	Date:	04/2024
Drawn by:	GK	Report No.:	PE6501-1
Checked by:	JD	Dwg. No.:	<b>PE6501-1</b>
Approved by:	MD	Revision No.:	

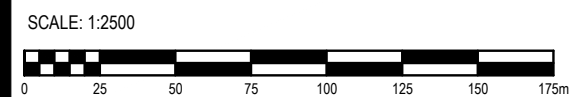


**PHASE I - ENVIRONMENTAL SITE ASSESSMENT STUDY AREA**



POTENTIALLY CONTAMINATING ACTIVITIES :

ID #	PCA ID	ADDRESS	DESCRIPTION
1	37	320 McARTHUR AVE.	FORMER DRY CLEANERS



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

NO.	REVISIONS	DATE	INITIAL

**UPSCALE HOMES**  
**PHASE I - ENVIRONMENTAL SITE ASSESSMENT**  
**304 AND 308 DONALD STREET**

**OTTAWA, ONTARIO**

**SURROUNDING LAND USE PLAN**

Scale:	1:2500	Date:	04/2024
Drawn by:	GK	Report No.:	PE6501-1
Checked by:	JD	Dwg. No.:	<b>PE6501-2</b>
Approved by:	MD	Revision No.:	



# **APPENDIX 1**

**AERIAL PHOTOGRAPHS**

**SITE PHOTOGRAPHS**



AERIAL PHOTOGRAPH  
1928





AERIAL PHOTOGRAPH  
1933

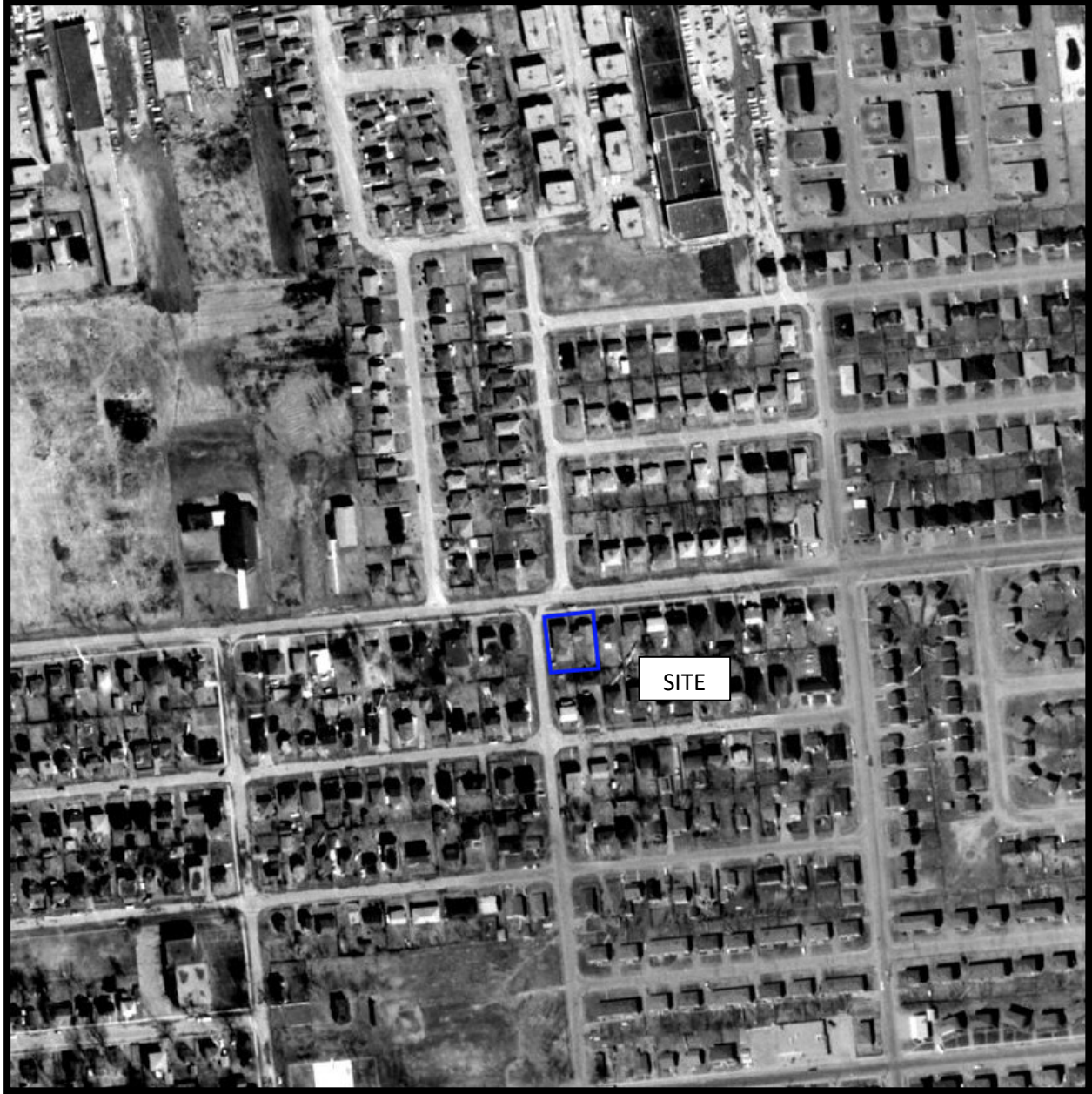


AERIAL PHOTOGRAPH  
1945





AERIAL PHOTOGRAPH  
1958



AERIAL PHOTOGRAPH  
1965





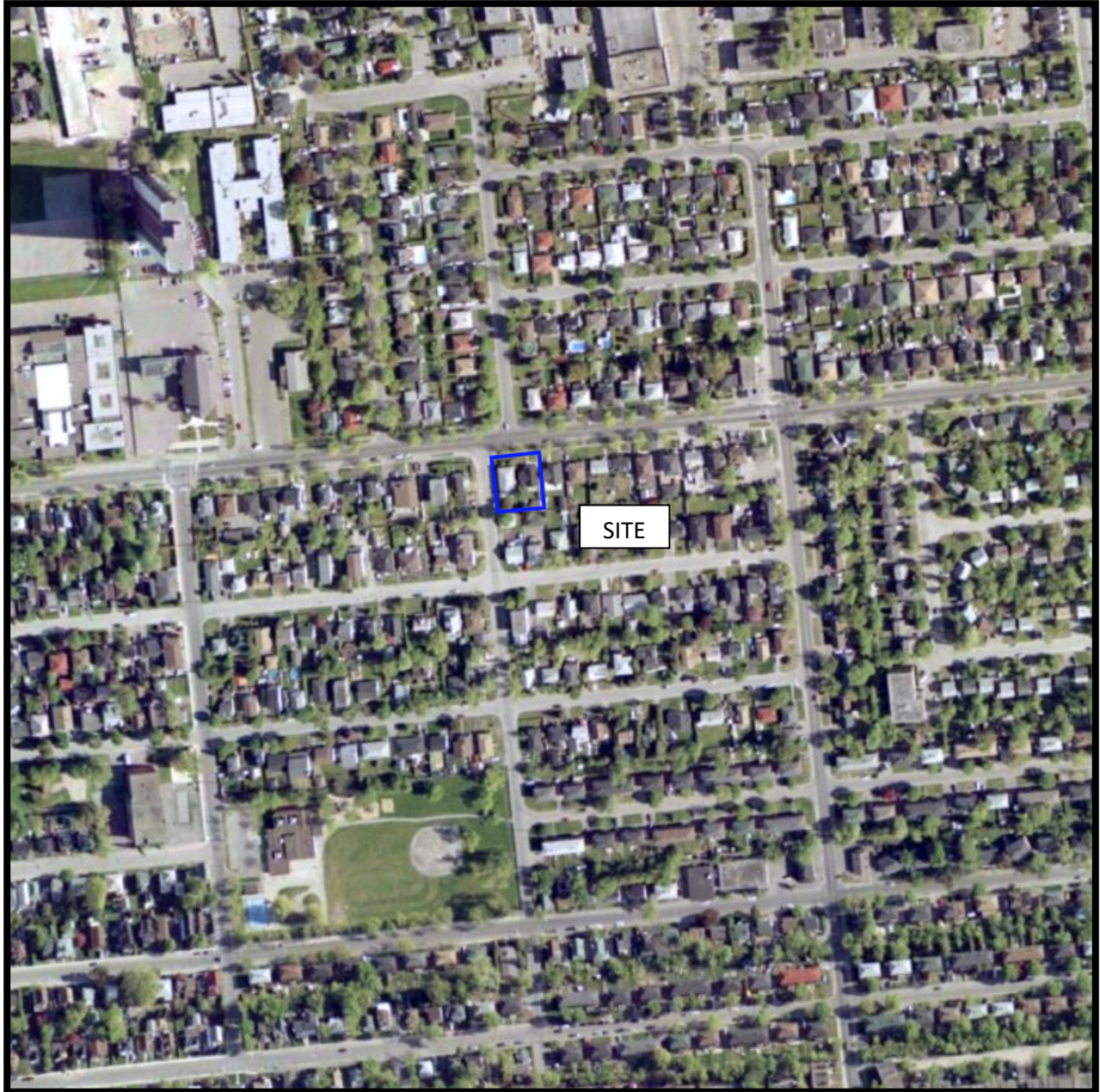
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1979





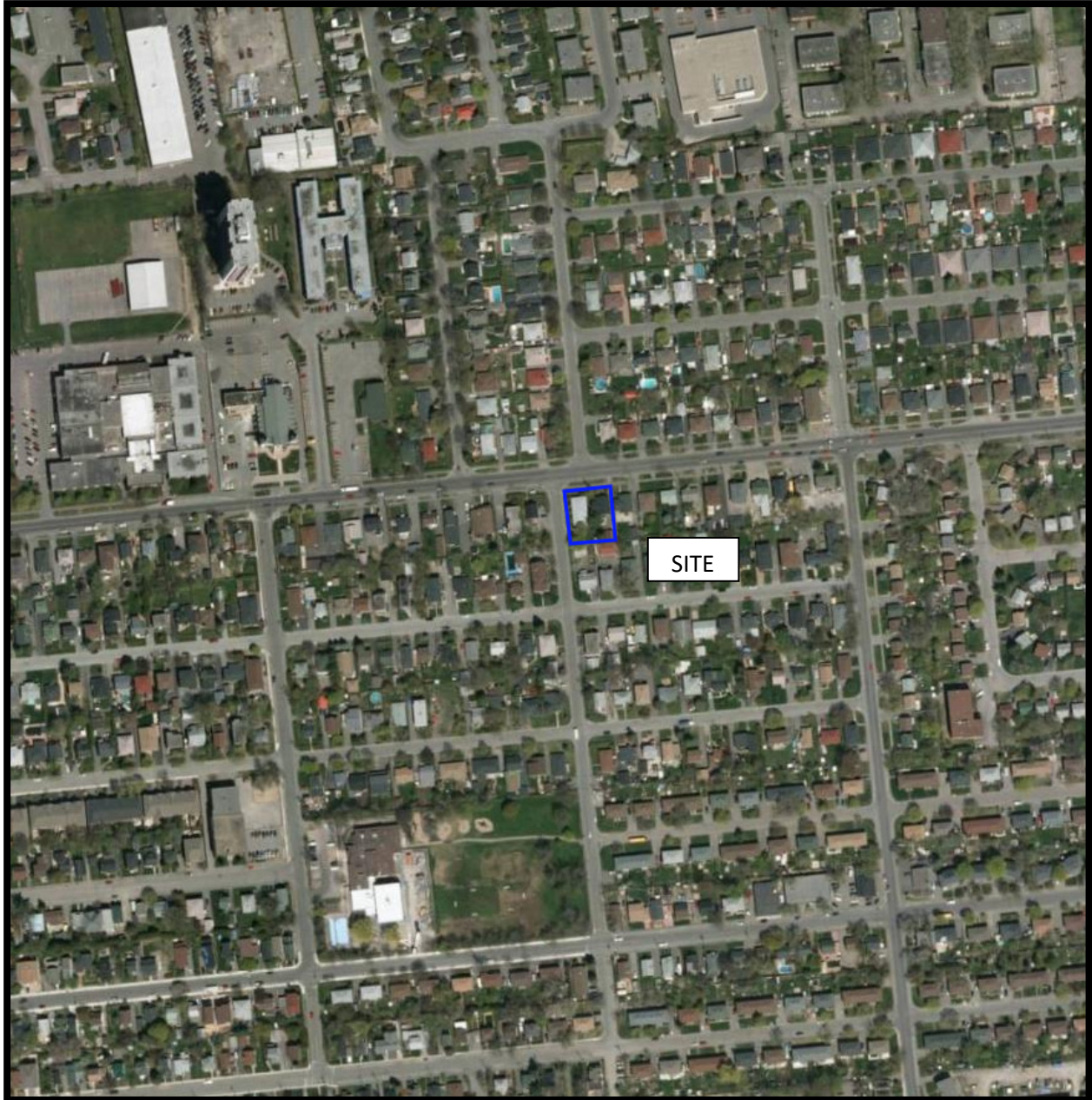
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1991





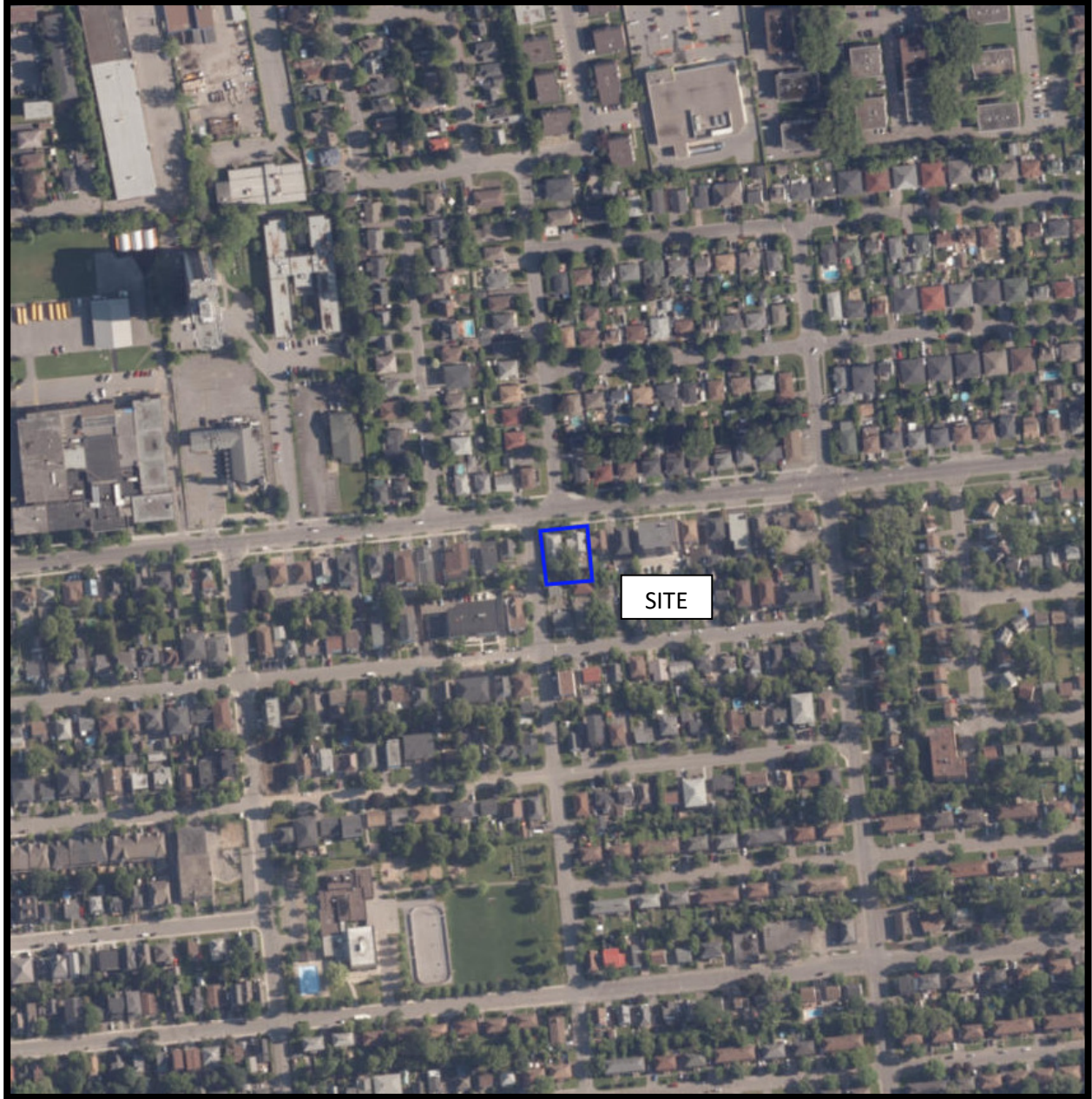
AERIAL PHOTOGRAPH  
2002





AERIAL PHOTOGRAPH  
2011





AERIAL PHOTOGRAPH  
2022



## Site Photographs

PE6501

304 and 308 Donald Street, Ottawa ON

April 17, 2024



Photograph 1: View looking north, along the west side of the Phase I Property, from Edith Avenue.



Photograph 2: View looking south, along the west side of the Phase I Property, from Edith Avenue.



## Site Photographs

PE6501

304 and 308 Donald Street, Ottawa ON

April 17, 2024



Photograph 3: View looking east, at the intersection of Edith Avenue and Donald Street.



Photograph 4: View looking west, at the intersection of Edith Avenue and Donald Street.



## Site Photographs

PE6501

304 and 308 Donald Street, Ottawa ON

April 17, 2024



Photograph 5: View looking south from Donald Street, towards 308 Donald Street.



Photograph 6: View looking east from Edith Avenue, towards 304 Donald Street.

# **APPENDIX 2**

**MECP FREEDOM OF INFORMATION SEARCH RESPONSE**

**MECP WATER WELL RECORDS**

**TSSA CORRESPONDENCE**

**CITY OF OTTAWA HLUI SEARCH RESPONSE**

**ERIS DATABASE REPORT**

**Ministry of the Environment,  
Conservation and Parks**

Corporate Services Branch  
40 St. Clair Avenue West  
Toronto ON M4V 1M2

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

Direction des services ministériels  
40, avenue St. Clair Ouest  
Toronto ON M4V 1M2



May 3, 2024

Mr. Joshua Dempsey  
Paterson Group Inc.  
9 Auriga Drive  
Ottawa, Ontario K2E 7T9  
jdempsey@patersongroup.ca

Dear Joshua Dempsey:

**RE: MECP FOI A-2024-02187, Your Reference PE6501 – Decision Letter**

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 304 and 308 Donald Street, Ottawa.

After a thorough search through the ministry files, no records were located responsive to your request. The official responsible for making the access decision on your request is the undersigned.

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

If you have any questions, please contact Roxanne Chambers at (807) 456-3035 or [roxanne.chambers@ontario.ca](mailto:roxanne.chambers@ontario.ca).

Yours truly,

*Roxanne Chambers*

for

Josephine DeSouza  
Manager, Access and Privacy Office



Measurements recorded in:  Metric  Imperial

A080417

Page 1 of 4

Address of Well Location (Street Number/Name): **971 Lola St.** Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_  
 County/District/Municipality: \_\_\_\_\_ City/Town/Village: **Ottawa** Province: **Ontario** Postal Code: \_\_\_\_\_  
 UTM Coordinates: Zone **18** Easting **448952** Northing **5030786** Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)					
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brn	Gravel	sand	soft, dry	0	.61
Brn	Sand	silt	soft, dry	.61	1.5
Blk/Brn	weathered shale	sand/gravel	hard, dry	1.5	3.35
Blk/Brn	weathered shale	sand /	hard, saturated	3.35	4.27

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0 to .31	Concrete / flushmount	

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:  Pump intake set at (m/ft)  Pumping rate (l/min / GPM)  Duration of pumping _____ hrs + _____ min Final water level end of pumping (m/ft)  If flowing give rate (l/min / GPM)  Recommended pump depth (m/ft)  Recommended pump rate (l/min / GPM)  Well production (l/min / GPM)  Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
	10		10	
	15		15	
	20		20	
	25		25	
	30		30	
	40		40	
	50		50	
	60		60	

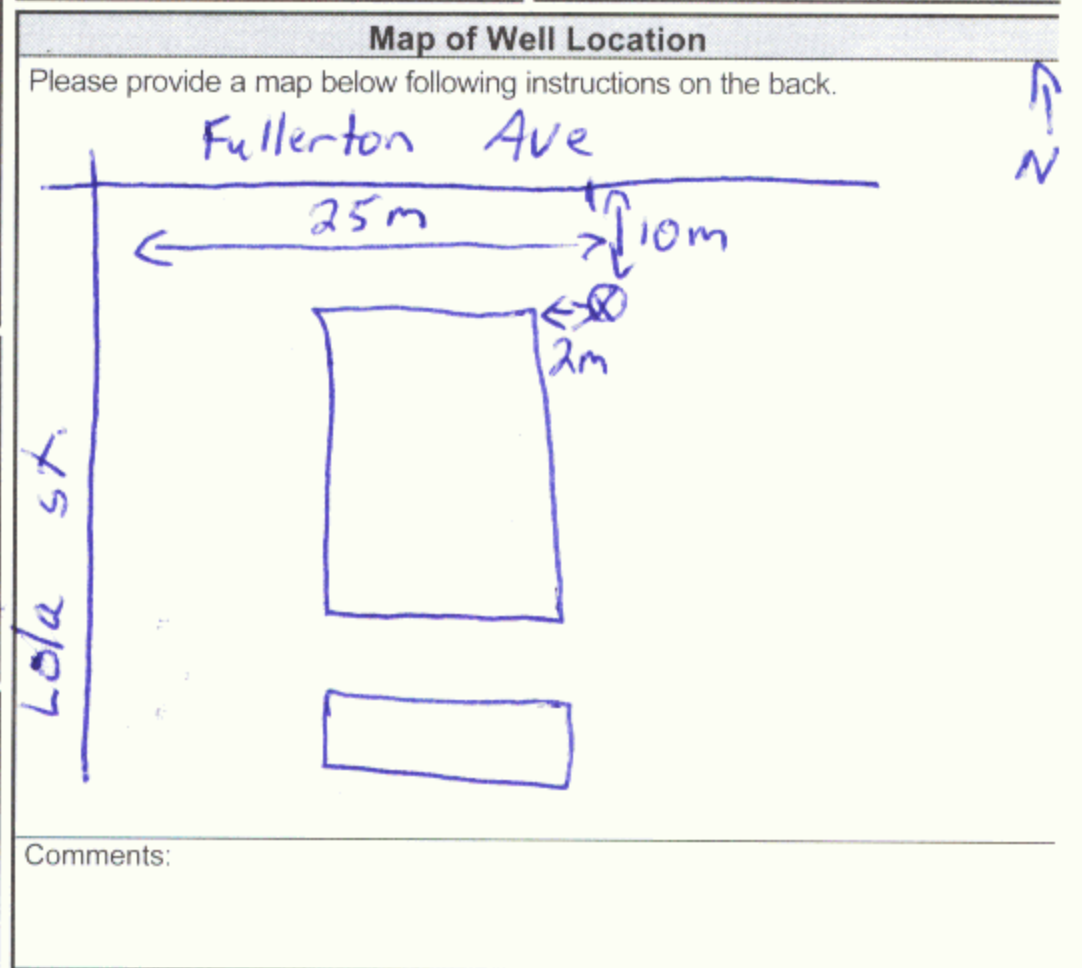
Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Test Hole
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input checked="" type="checkbox"/> Monitoring
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial	<input type="checkbox"/> Cooling & Air Conditioning
<input checked="" type="checkbox"/> Other, specify <b>Direct Push</b>		<input type="checkbox"/> Other, specify _____	

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____
			From	To	
4.03	PVC	.368	0	1.22	

Construction Record - Screen				Status of Well	
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		
			From	To	
4.82	PVC	10	1.22	4.27	

Water Details		Hole Diameter	
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft) From To	Diameter (cm/in)
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	0 4.27	8.25
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		

Well Contractor and Well Technician Information	
Business Name of Well Contractor <b>Strata Soil Sampling Inc.</b>	Well Contractor's Licence No. <b>7 2 4 1</b>
Business Address (Street Number/Name) <b>147-2 West Beaver Creek Road</b>	Municipality <b>Richmond Hill</b>
Province <b>Ontario</b>	Postal Code <b>L4B 1C6</b>
Business E-mail Address <b>wrecords@stratasoil.com</b>	



Bus. Telephone No. (inc. area code) <b>905-764-9304</b>	Name of Well Technician (Last Name, First Name) <b>Mike Mike</b>
Well Technician's Licence No. <b>3 4 4 8</b>	Signature of Technician and/or Contractor <i>[Signature]</i>
	Date Submitted <b>20090429</b>

Well owner's information package delivered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered Y Y Y Y M M D D <b>20090407</b>
	Date Work Completed <b>20090407</b>

Ministry Use Only	
Audit No. <b>Z 096588</b>	Received <b>MAY 07 2009</b>



Measurements recorded in:  Metric  Imperial

Address of Well Location (Street Number/Name): **971 Lola St**  
 Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_  
 County/District/Municipality: \_\_\_\_\_ City/Town/Village: **Ottawa** Province: **Ontario** Postal Code: \_\_\_\_\_  
 UTM Coordinates: Zone **18** Easting **448931** Northing **5030787** Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)					
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
B/K	Gravel	weathered shale	Dense, moist	0	.61
B/K	weathered shale		Dense, wet	.61	1.22

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
From 0 To <del>0.61</del> 1.22	Benseal sand	

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:  Pump intake set at (m/ft)  Pumping rate (l/min / GPM)  Duration of pumping _____ hrs + _____ min  Final water level end of pumping (m/ft)  If flowing give rate (l/min / GPM)  Recommended pump depth (m/ft)  Recommended pump rate (l/min / GPM)  Well production (l/min / GPM)  Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
	10		10	
	15		15	
	20		20	
	25		25	
	30		30	
	40		40	
	50		50	
	60		60	

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Test Hole
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial	
<input checked="" type="checkbox"/> Other, specify <b>Direct Push</b>		<input type="checkbox"/> Other, specify _____	

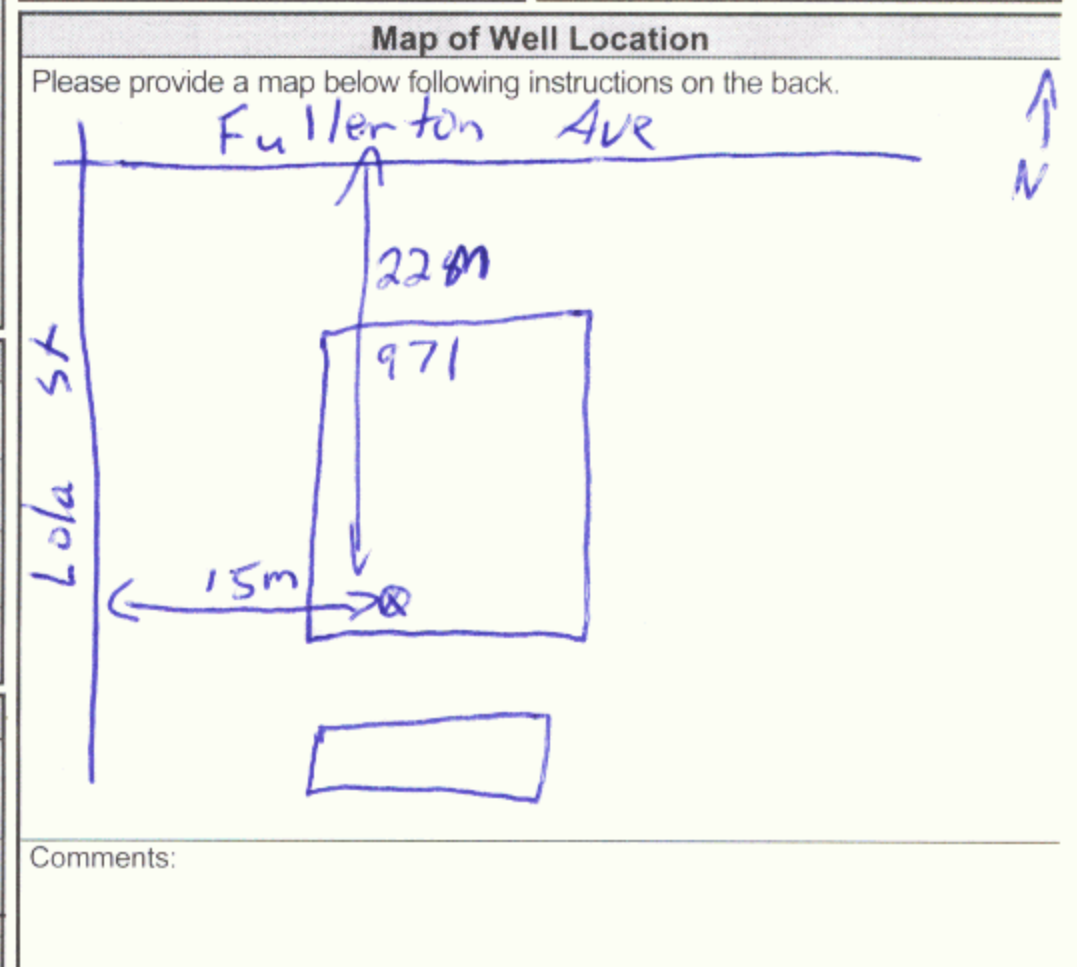
Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____
			From	To	
3.45	PVC	.356	0	.31	

Construction Record - Screen				Status of Well	
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		
			From	To	
4.21	PVC	10	.31	1.22	

Water Details		Hole Diameter	
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft) From To	Diameter (cm/in)
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	0 1.22	5.71
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		

**Well Contractor and Well Technician Information**  
 Business Name of Well Contractor: **Strata Soil Sampling Inc.** Well Contractor's Licence No.: **7 2 4 1**  
 Business Address (Street Number/Name): **147-2 West Beaver Creek Road** Municipality: **Richmond Hill**  
 Province: **Ontario** Postal Code: **L4B 1C6** Business E-mail Address: **wrecords@stratasoil.com**

Bus. Telephone No. (inc. area code): **905-764-9304** Name of Well Technician (Last Name, First Name): **Mair, Mike**  
 Well Technician's Licence No.: **3 4 4 8** Signature of Technician and/or Contractor: *[Signature]* Date Submitted: **2009 04 28**



Well owner's information package delivered:  Yes  No  
 Date Package Delivered: **2009 04 08**  
 Date Work Completed: **2009 04 08**

**Ministry Use Only**  
 Audit No.: **Z 096590**  
**MAY 07 2009**  
 Received: \_\_\_\_\_



Measurements recorded in:  Metric  Imperial

A081755

10280 Page 2 of 2

Address of Well Location (Street Number/Name): 971 LOLA ST.  
 Township: OTTAWA  
 Lot:   
 Concession:   
 County/District/Municipality:   
 City/Town/Village: OTTAWA  
 Province: Ontario  
 Postal Code:   
 UTM Coordinates: Zone 83, Easting 184489, Northing 445030771  
 Municipal Plan and Sublot Number:   
 Other:   
 UTM Coordinates: NAD 83

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)					
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
64 BLK	GRAVEL	FILL	LOOSE	0	0.3
BLK	WEATHERED SHALE	SILT/SAND.	SOFT/WET	0.3	1.1

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0 - 0.3	BENTONITE	
0.3 - 1.1	SAND	

Results of Well Yield Testing				
After test of well yield, water was:	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
<input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify	Static Level			
If pumping discontinued, give reason:	1		1	
Pump intake set at (m/ft)	2		2	
Pumping rate (l/min / GPM)	3		3	
Duration of pumping hrs + min	4		4	
Final water level end of pumping (m/ft)	5		5	
If flowing give rate (l/min / GPM)	10		10	
Recommended pump depth (m/ft)	15		15	
Recommended pump rate (l/min / GPM)	20		20	
Well production (l/min / GPM)	25		25	
Disinfected?	30		30	
<input type="checkbox"/> Yes <input type="checkbox"/> No	40		40	
	50		50	
	60		60	

Method of Construction		Well Use		
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Dewatering
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Test Hole	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning	
<input type="checkbox"/> Air percussion	<input type="checkbox"/> Digging	<input type="checkbox"/> Industrial		
<input checked="" type="checkbox"/> Other, specify	Direct Push	<input type="checkbox"/> Other, specify		

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify
			From	To	
3.45	PLASTIC	.0037	0	0.3	

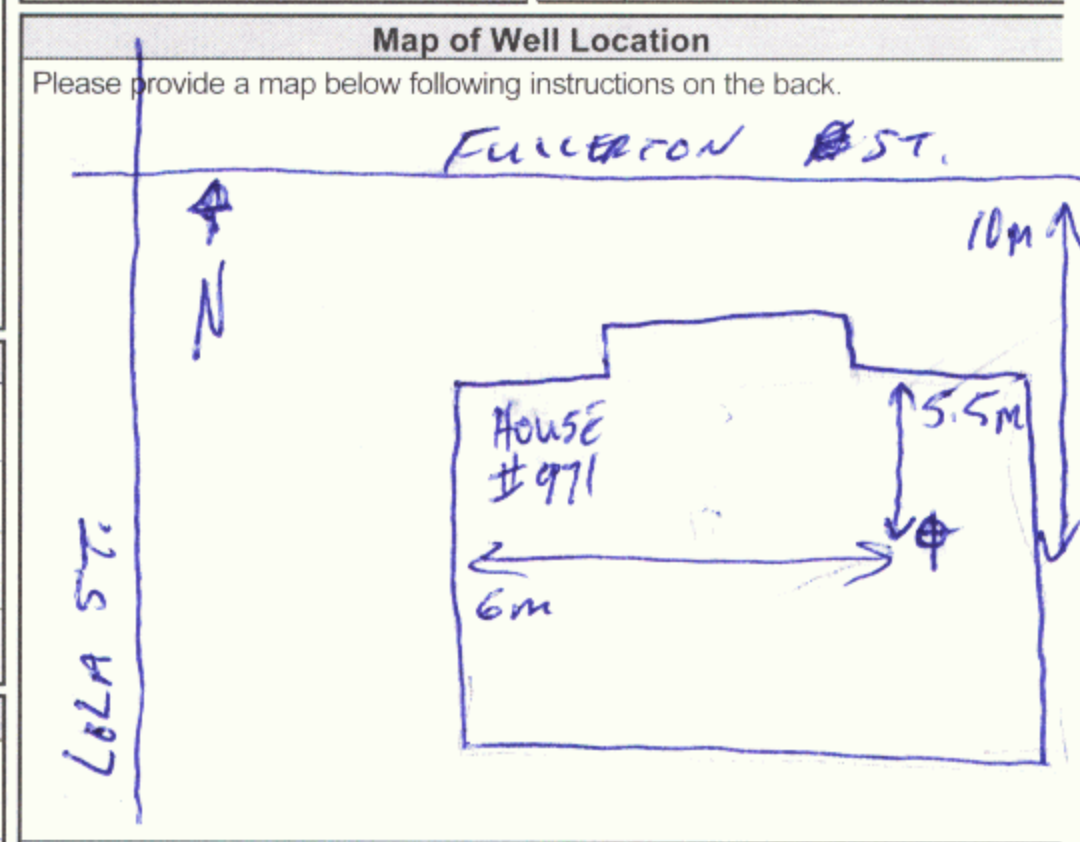
Construction Record - Screen				Status of Well	
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify
			From	To	
4.21	PLASTIC	10	0.3	1.1	

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Depth (m/ft)	Diameter (cm/in)
0		0 - 1.1	6.03

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: Strata Soil Sampling Inc.  
 Well Contractor's Licence No.: 7241  
 Business Address (Street Number/Name): 147-2 West Beaver Creek Road  
 Municipality: Richmond Hill  
 Province: Ontario  
 Postal Code: L4B 1C6  
 Business E-mail Address: wrecords@stratasoil.com

Bus. Telephone No. (inc. area code): 905-764-9304  
 Name of Well Technician (Last Name, First Name): Muir, Mike  
 Well Technician's Licence No.: 3448  
 Signature of Technician and/or Contractor: [Signature]  
 Date Submitted: 20090429



Well owner's information package delivered:  Yes  No

Date Package Delivered: YYY Y M M D D  
 Date Work Completed: 20090408

**Ministry Use Only**

Audit No.: Z096596  
 Received: MAY 07 2009



Measurements recorded in:  Metric  Imperial

6280 Page 2 of 4

Address of Well Location (Street Number/Name): 971 COLAST.  
 Township: OTTAWA  
 Lot:   
 Concession:   
 County/District/Municipality:   
 City/Town/Village: OTTAWA  
 Province: Ontario  
 Postal Code:   
 UTM Coordinates: Zone 18, Easting 448941, Northing 5030789  
 Municipal Plan and Sublot Number:   
 Other:   
 NAD 83

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)				
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From To
BRN	FILL	GRAVEL	LOOSE	0 0.61
BRN	SAND	SILT	SOFT	0.61 1.5
BRN/BLK	SHALE	SILT	DENSE	1.5 3.35
BLK/BRN	SAND	TILT SAND	WET	3.35 4.27

Annular Space		
Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0 0.3	CONCRETE	
0.3 0.91	BENTONITE	
0.91 4.27	SAND	

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:	Static Level			
	1		1	
	Pump intake set at (m/ft)	2	2	
	Pumping rate (l/min / GPM)	3	3	
	Duration of pumping hrs + min	4	4	
	5	5		
Final water level end of pumping (m/ft)	10	10		
If flowing give rate (l/min / GPM)	15	15		
Recommended pump depth (m/ft)	20	20		
Recommended pump rate (l/min / GPM)	25	25		
Well production (l/min / GPM)	30	30		
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	40	40		
	50	50		
	60	60		

Method of Construction		Well Use		
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Dewatering
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Test Hole	<input checked="" type="checkbox"/> Monitoring
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning	
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial		
<input checked="" type="checkbox"/> Other, specify	Direct Push	<input type="checkbox"/> Other, specify		

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify
			From	To	
4.03	PLASTIC	368	0	1.22	

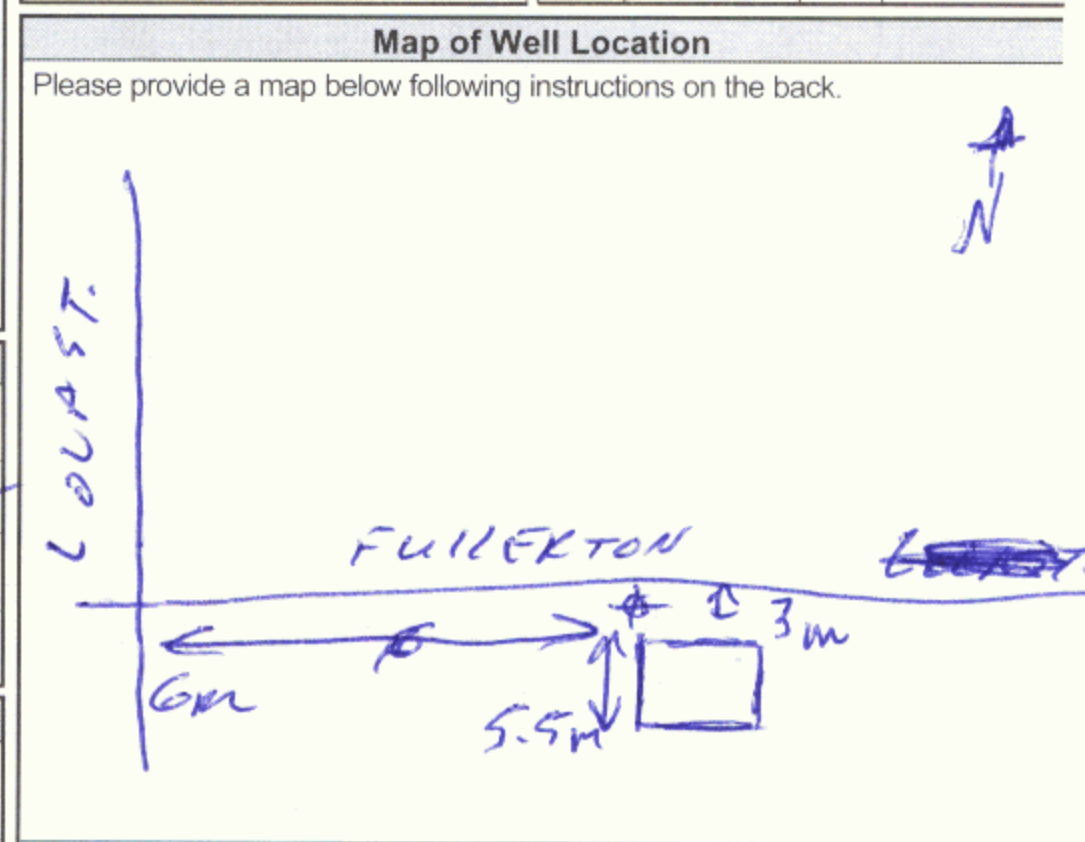
Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
4.82	PLASTIC	10	1.22	4.27

Water Details		Hole Diameter	
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft) From To	Diameter (cm/in)
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	0 4.27	8.25
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: Strata Soil Sampling Inc.  
 Well Contractor's Licence No.: 7 2 4 1  
 Business Address (Street Number/Name): 147-2 West Beaver Creek Road  
 Municipality: Richmond Hill  
 Province: Ontario  
 Postal Code: L4B 1C6  
 Business E-mail Address: wrecords@stratasoil.com

Bus. Telephone No. (inc. area code): 905-764-9304  
 Name of Well Technician (Last Name, First Name): Muir, Muir  
 Well Technician's Licence No.: 3 4 4 6  
 Signature of Technician and/or Contractor: [Signature]  
 Date Submitted: 20090429



Comments:

Well owner's information package delivered:  Yes  No

Date Package Delivered: YYY Y M M D D  
 Date Work Completed: 20090407

**Ministry Use Only**

Audit No.: Z 096601  
 Received: MAY 07 2009



Measurements recorded in:  Metric  Imperial

A080418

Page 3 of 4

Address of Well Location (Street Number/Name) 971 Lola St.		Township	Lot	Concession
County/District/Municipality		City/Town/Village Ottawa	Province Ontario	Postal Code
UTM Coordinates	Zone Easting	Northing	Municipal Plan and Sublot Number	
NAD 83	18448942	5030769		

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)					
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Blk	Top soil		soft, dry	0	0.6
Brn	Sand	silt / gravel	soft, dry	0.6	1.5
Blk/Brn	weathered shale	sand / gravel	hard, dry	1.5	3.1
Blk/Brn	weathered shale	sand / gravel	hard, saturated	3.1	4.27

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
From: 0 To: 0.91	Benseal	
From: 0.91 To: 4.27	Sand	

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:  Pump intake set at (m/ft)  Pumping rate (l/min / GPM)  Duration of pumping hrs + min  Final water level end of pumping (m/ft)  If flowing give rate (l/min / GPM)  Recommended pump depth (m/ft)  Recommended pump rate (l/min / GPM)  Well production (l/min / GPM)  Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
	10		10	
	15		15	
	20		20	
	25		25	
	30		30	
	40		40	
	50		50	
	60		60	

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Test Hole
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning
<input type="checkbox"/> Air percussion	<input checked="" type="checkbox"/> Direct Push	<input type="checkbox"/> Industrial	
<input checked="" type="checkbox"/> Other, specify		<input type="checkbox"/> Other, specify	

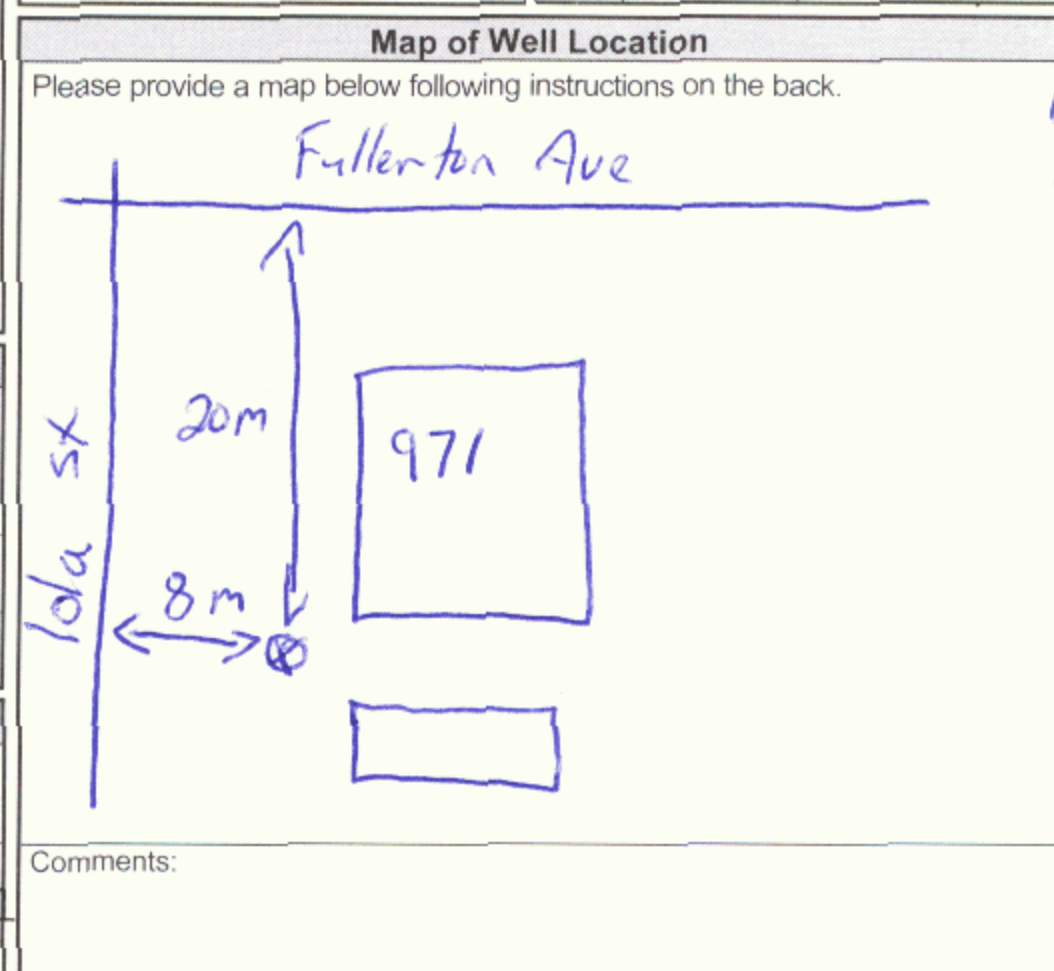
Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify
			From	To	
4.03	PVC	0.368	0	1.22	

Construction Record - Screen				Status of Well	
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		
			From	To	
4.82	PVC	10	1.22	4.27	

Water Details		Hole Diameter	
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft) From: 0 To: 4.27	Diameter (cm/in) 8.25
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		

Well Contractor and Well Technician Information	
Business Name of Well Contractor Strata Soil Sampling Inc.	Well Contractor's Licence No. 7 2 4 1
Business Address (Street Number/Name) 147-2 West Beaver Creek Road	Municipality Richmond Hill
Province Ontario	Postal Code L4B 1C6
Business E-mail Address wrecords@stratasoil.com	

Bus. Telephone No. (inc. area code) 905-764-9304	Name of Well Technician (Last Name, First Name) Muir, Mike
Well Technician's Licence No. 3 4 4 8	Signature of Technician and/or Contractor <i>[Signature]</i>
	Date Submitted 20090429



Well owner's information package delivered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered Y Y Y Y M M D D 2009 04 07	Date Work Completed 2009 04 07
Ministry Use Only		Received
Audit No. Z 096600		MAY 07 2009



Measurements recorded in:  Metric  Imperial

A080419

Page 1 of 2

Address of Well Location (Street Number/Name): **971 LOLA ST.** Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_  
 County/District/Municipality: \_\_\_\_\_ City/Town/Village: **OTTAWA** Province: **Ontario** Postal Code: \_\_\_\_\_  
 UTM Coordinates: Zone: **18** Easting: **448953** Northing: **503077** Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)				
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From To
BRN	FILL	GRAVEL	LOOSE	0 0.61
BRN	SILT	CLAY	SOFT	0.61 2.44
BRN	SILT	WEATHERED SHALE	DENSE	2.44 3.1
GRY	SILT	WEATHERED SHALE	WET	3.1 4.27

Annular Space		
Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0 0.91	BENTONITE	
0.91 4.27	SAND	

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:  Pump intake set at (m/ft)  Pumping rate (l/min / GPM)  Duration of pumping ____ hrs + ____ min  Final water level end of pumping (m/ft)  If flowing give rate (l/min / GPM)  Recommended pump depth (m/ft)  Recommended pump rate (l/min / GPM)  Well production (l/min / GPM)  Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Test Hole
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input checked="" type="checkbox"/> Monitoring
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial	<input type="checkbox"/> Cooling & Air Conditioning
<input checked="" type="checkbox"/> Other, specify <b>Direct Push</b>		<input type="checkbox"/> Other, specify _____	

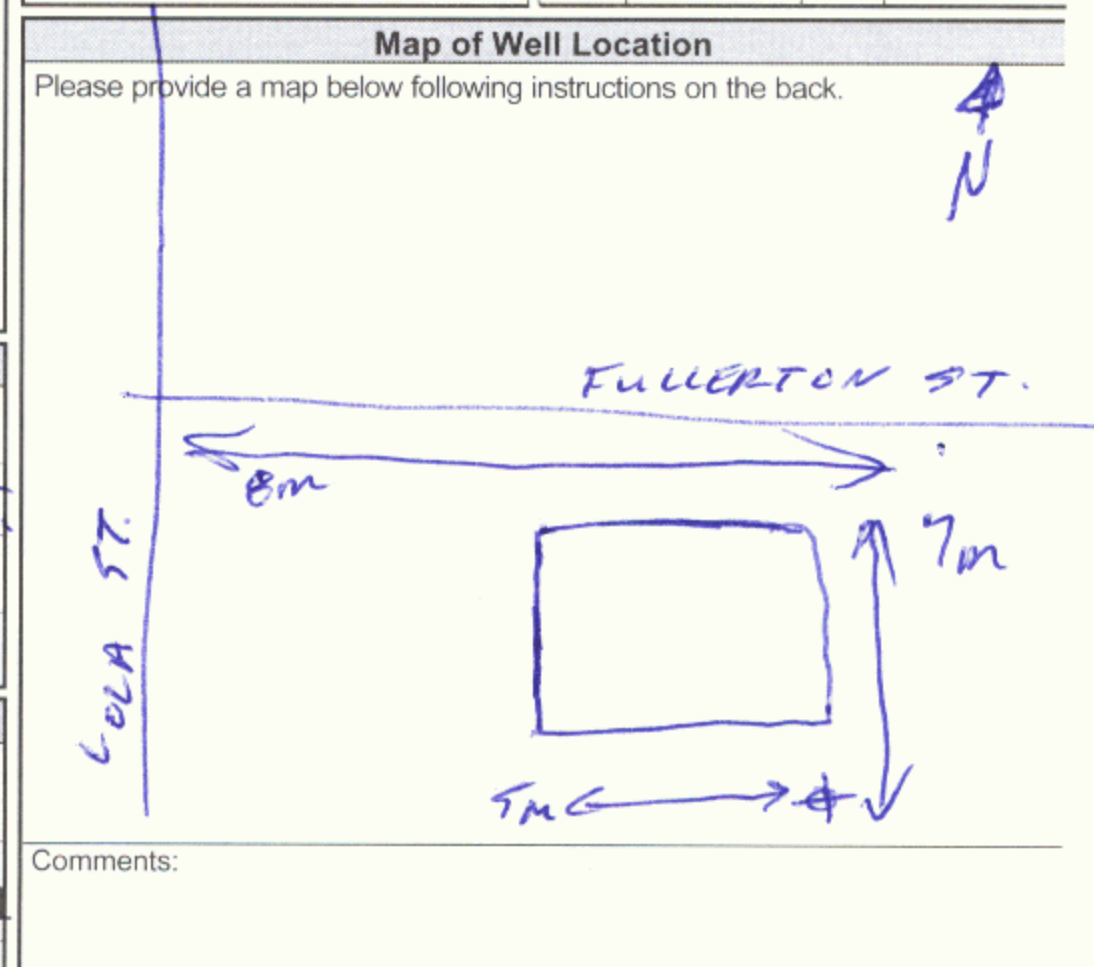
Construction Record - Casing			Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	
			From	To
4.03	PLASTIC	3.68	1.22	

Construction Record - Screen				Status of Well
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
4.82	PLASTIC	10	1.27	4.27

Water Details		Hole Diameter	
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft) From To	Diameter (cm/in)
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	0 4.27	8.25
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		

**Well Contractor and Well Technician Information**  
 Business Name of Well Contractor: **Strata Soil Sampling Inc.** Well Contractor's Licence No.: **7 2 4 1**  
 Business Address (Street Number/Name): **147-2 West Beaver Creek Road** Municipality: **Richmond Hill**  
 Province: **Ontario** Postal Code: **L4B 1C6** Business E-mail Address: **wrecords@stratasoil.com**

Bus. Telephone No. (inc. area code): **905-764-9304** Name of Well Technician (Last Name, First Name): **Muir, Mike**  
 Well Technician's Licence No.: **3448** Signature of Technician and/or Contractor: \_\_\_\_\_ Date Submitted: **20090429**



Well owner's information package delivered:  Yes  No  
 Date Package Delivered: **Y|Y|Y|Y M|M D|D**  
 Date Work Completed: **20090407**

**Ministry Use Only**  
 Audit No.: **2096598**  
**MAY 07 2009**  
 Received



Address of Well Location (Street Number/Name) 971 Lola Street Township Part Lot 49

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

UTM Coordinates Zone 18 Easting 448929 Northing 5030765 Municipal Plan and Sublot Number Plan 640 Other           

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
<u>brown</u>			<u>sand</u>	<u>0</u>	<u>1.8</u>
			<u>shale bedrock</u>	<u>1.8</u>	<u>4.4</u>
<u>mw 9 was logged and was the only well installed</u>					

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
<u>0 to 0.8</u>	<u>bentonite hole plug</u>	<u>1/2 bag</u>
<u>0.8 to 4.4</u>	<u>Filter sand</u>	<u>1 bag</u>

**Results of Well Yield Testing**

	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____				
If pumping discontinued, give reason:	Static Level			
	<u>1</u>		<u>1</u>	
Pump intake set at (m/ft)	<u>2</u>		<u>2</u>	
Pumping rate (l/min / GPM)	<u>3</u>		<u>3</u>	
Duration of pumping hrs + min	<u>4</u>		<u>4</u>	
Final water level end of pumping (m/ft)	<u>5</u>		<u>5</u>	
	<u>10</u>		<u>10</u>	
If flowing give rate (l/min / GPM)	<u>15</u>		<u>15</u>	
	<u>20</u>		<u>20</u>	
Recommended pump depth (m/ft)	<u>25</u>		<u>25</u>	
Recommended pump rate (l/min / GPM)	<u>30</u>		<u>30</u>	
Well production (l/min / GPM)	<u>40</u>		<u>40</u>	
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	<u>50</u>		<u>50</u>	
	<u>60</u>		<u>60</u>	

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  
 Other, specify \_\_\_\_\_  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
<u>3.5</u>	<u>plastic</u>	<u>0.3</u>	<u>0</u>	<u>1.25</u>	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
<u>4.1</u>	<u>plastic</u>	<u>10</u>	<u>1.25</u>	<u>4.4</u>

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
<u>2.74m (m/ft)</u>	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	<u>0</u>	<u>7.5</u>
		<u>1.9</u>	<u>5.6</u>

**Well Contractor and Well Technician Information**

Business Name of Well Contractor OGS Inc Well Contractor's Licence No. 6964

Business Address (Street Number/Name) 5518 Appleton Side Road Municipality Almonte

Province Ontario Postal Code K0A1A0 Business E-mail Address ogs inc @ bell net ca

Bus. Telephone No. (inc. area code) 613 2567666 Name of Well Technician (Last Name, First Name) Echlin Chad

Well Technician's Licence No. 3299 Signature of Technician and/or Contractor Chad Echlin Date Submitted 2009 11 13

**Map of Well Location**

Please provide a map below following instructions on the back.

Site plan and area map are enclosed

Comments:

Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered <u>Y Y Y Y M M D D</u> <u>2009 10 03</u>	<b>Ministry Use Only</b> Audit No. <u>2106948</u> NOV 18 2009 Received
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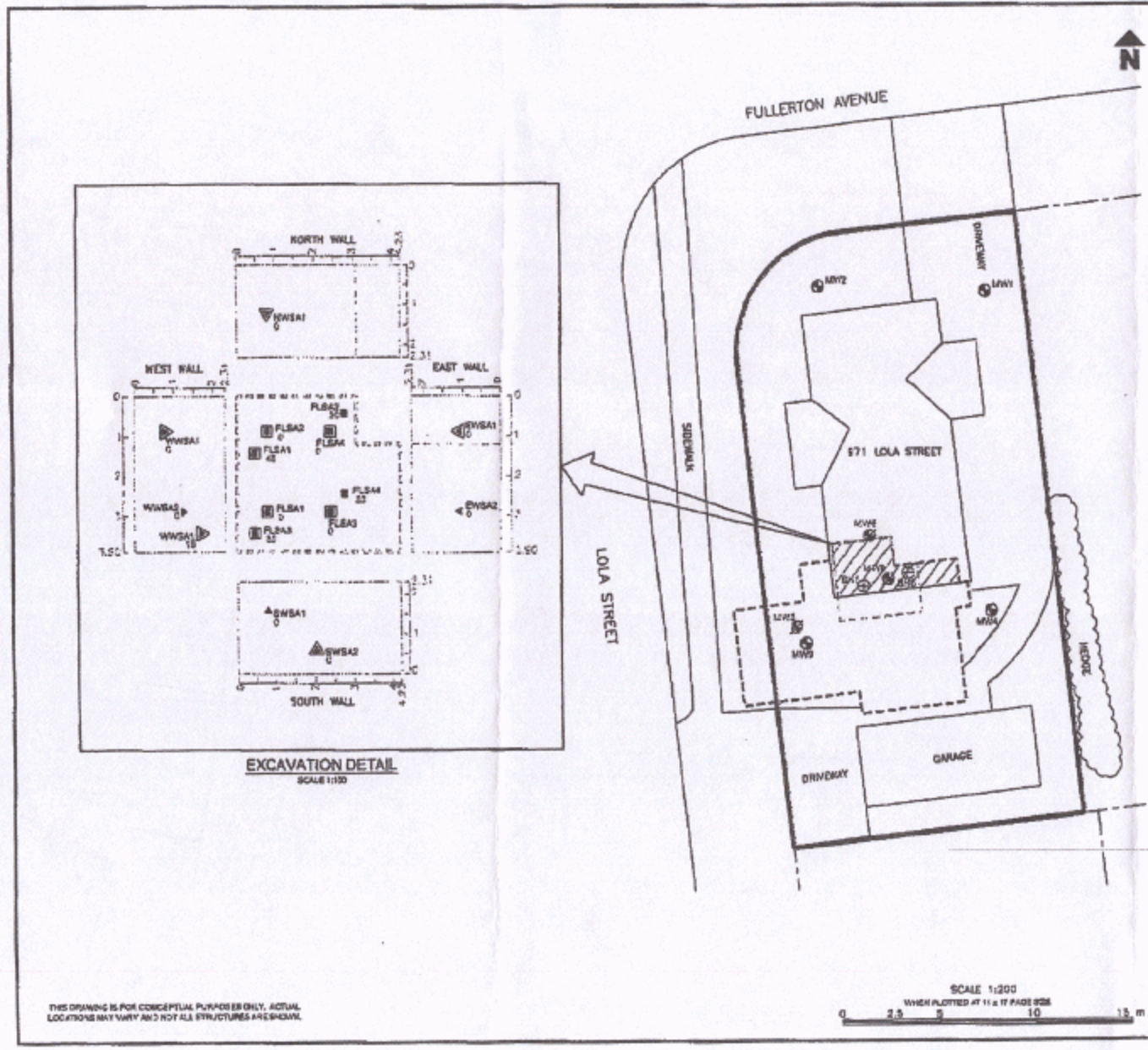


816948  
 2106948  
 C-6964

SLR OTTAWA  
 NOV 18 2009

6138289404

11/09/2009 11:35



**NOTES**

**LEGEND**

- PROPERTY BOUNDARY
- SITE LOCATION
- EXCAVATION BOUNDARY
- SECOND EXCAVATION BOUNDARY, ADVANCED TO 2.31m BELOW THE FOUNDATION FLOOR (4.01m BELOW GROUND SURFACE)
- FOUNDATION REMOVED TO EXTEND REMEDIAL EXCAVATION
- FORMER BOREHOLE LOCATION
- BOREHOLE LOCATION COMPLETED AS A MONITORING WELL
- FORMER MONITORING WELL LOCATION
- SOIL SAMPLE, FLOOR
- SOIL SAMPLE, WALL
- SOIL SAMPLE SUBMITTED FOR ANALYSIS
- HEADSPACE VAPOUR LEVEL (PARTS PER MILLION VOLUMETRIC)
- SOIL SAMPLES IN BLUE WERE COLLECTED AUGUST 7, 2009
- SOIL SAMPLES IN BLACK WERE COLLECTED JULY 23, 2009

**CO-OPERATORS INSURANCE COMPANY**  
 971 LOLA STREET  
 OTTAWA, ON

**Project:**  
 OIL SPILL INVESTIGATION AND REMEDIATION

**Drawing:**  
 FINAL REMEDIAL EXCAVATION

Date: November 3, 2009	Scale: AS SHOWN	Drawn By:
File No: S-210-0901-00-08	Project No: 210948100	5

**SLR**

THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY. ACTUAL LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.







Abandonment  
A032213

Measurements recorded in:  Metric  Imperial

**Well Location**

Address of Well Location (Street Number/Name): 971 Lola Street  
 Township: Part Lot 49  
 County/District/Municipality: Ottawa Carleton  
 City/Town/Village: Ottawa  
 Province: Ontario  
 Postal Code: \_\_\_\_\_  
 UTM Coordinates: Zone 18, Easting 8448929, Northing 5030765  
 Municipal Plan and Sublot Number: Plan 640

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
mw9 was decommissioned					

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
0 to 4.4	bentonite cement grout	20 litres

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  
 Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
					<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input checked="" type="checkbox"/> Abandoned, other, specify decommissioned <input type="checkbox"/> Other, specify _____

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Hole Diameter
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Depth (m/ft) From To, Diameter (cm/in)
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: OGS INC  
 Well Contractor's Licence No.: 6964  
 Business Address (Street Number/Name): 5518 Appleton Side Road Almonte  
 Municipality: \_\_\_\_\_  
 Province: Ontario  
 Postal Code: K0A1A0  
 Business E-mail Address: ogsinc@bellnet.ca

Bus. Telephone No. (inc. area code): 613 256 7666  
 Name of Well Technician (Last Name, First Name): Echlin, Chad  
 Well Technician's Licence No.: 3299  
 Signature of Technician and/or Contractor: [Signature]  
 Date Submitted: 2009 11 13

**Results of Well Yield Testing**

After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:  Pump intake set at (m/ft)  Pumping rate (l/min / GPM)  Duration of pumping _____ hrs + _____ min  Final water level end of pumping (m/ft)  If flowing give rate (l/min / GPM)  Recommended pump depth (m/ft)  Recommended pump rate (l/min / GPM)  Well production (l/min / GPM)  Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
	10		10	
	15		15	
	20		20	
	25		25	
	30		30	
	40		40	
	50		50	
	60		60	

**Map of Well Location**

Please provide a map below following instructions on the back.

Site Plan and Area Map are enclosed.

**Ministry Use Only**

Audit No.: 2106949  
 Received: NOV 19 2009

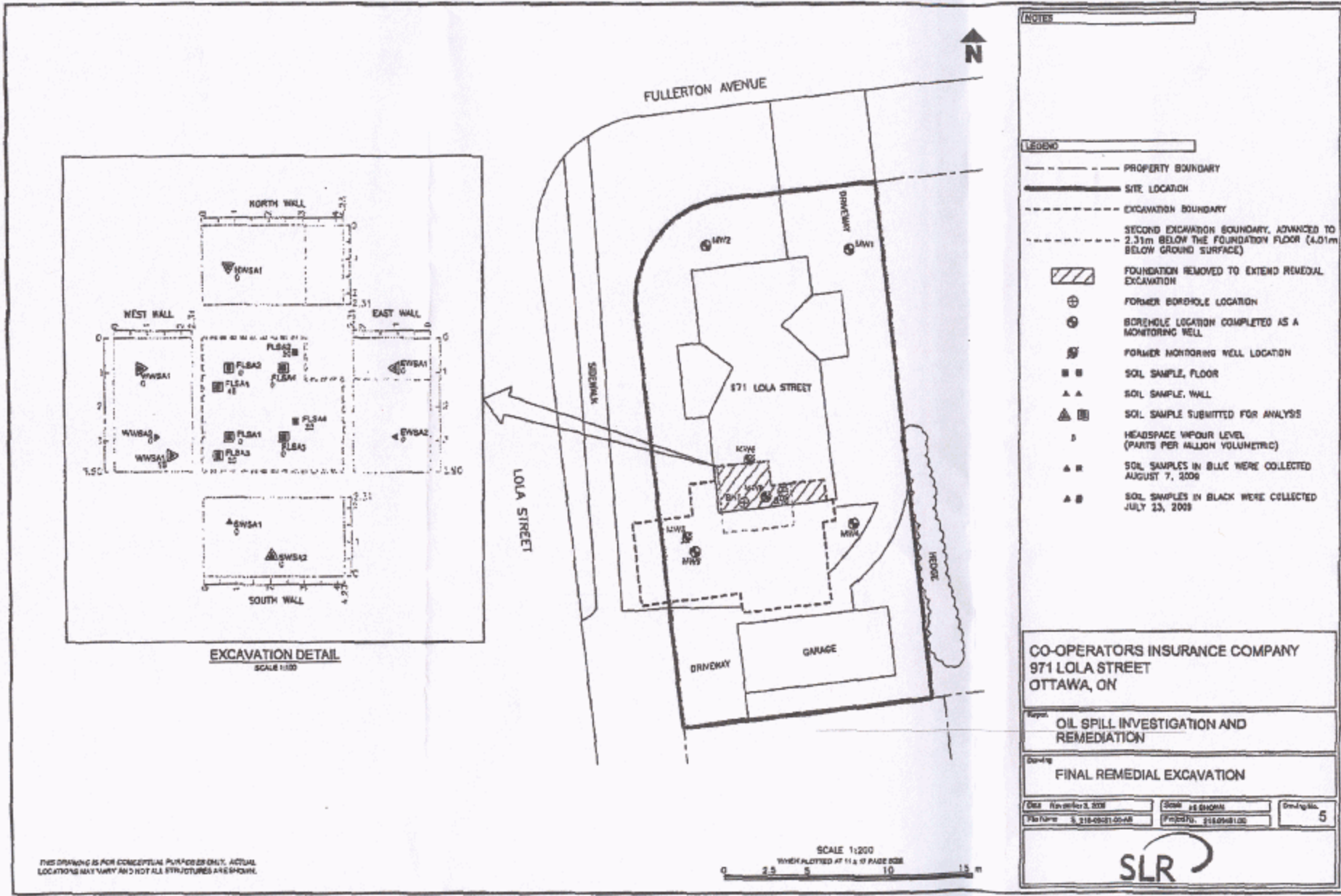
Well owner's information package delivered:  Yes  No  
 Date Package Delivered: Y Y Y Y M M D D  
 Date Work Completed: 2009 11 06  
 Y Y Y Y M M D D



SLR OTTAWA

6138289404

11/09/2009 11:35



EXCAVATION DETAIL  
SCALE 1:100

SCALE 1:200  
WHEN PLOTTED AT 11 x 17 PAGE SIZE  
0 2.5 5 10 15 m

- NOTES**
- LEGEND**
- PROPERTY BOUNDARY
  - SITE LOCATION
  - EXCAVATION BOUNDARY
  - SECOND EXCAVATION BOUNDARY, ADVANCED TO 2.31m BELOW THE FOUNDATION FLOOR (4.01m BELOW GROUND SURFACE)
  - ▨ FOUNDATION REMOVED TO EXTEND REMEDIAL EXCAVATION
  - ⊕ FORMER BOREHOLE LOCATION
  - ⊙ BOREHOLE LOCATION COMPLETED AS A MONITORING WELL
  - ⊙ FORMER MONITORING WELL LOCATION
  - SOIL SAMPLE, FLOOR
  - ▲ SOIL SAMPLE, WALL
  - ▲ SOIL SAMPLE SUBMITTED FOR ANALYSIS
  - ⊙ HEADSPACE VFOUR LEVEL (PARTS PER MILLION VOLUMETRIC)
  - ▲ SOIL SAMPLES IN BLUE WERE COLLECTED AUGUST 7, 2009
  - ▲ SOIL SAMPLES IN BLACK WERE COLLECTED JULY 23, 2009

CO-OPERATORS INSURANCE COMPANY  
971 LOLA STREET  
OTTAWA, ON

OIL SPILL INVESTIGATION AND  
REMEDATION

FINAL REMEDIAL EXCAVATION

Date: November 2, 2009	Scale: AS SHOWN	Drawn by: M.S.
Plot No: S-218-09021-00-08	Project No: 2180908100	Sheet No: 5



C-6964 2106949

NOV 19 2009

THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY. ACTUAL LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.









All measurements recorded in:  Metric  Imperial

Well Tag No. of Deepest Well: (Print Well Tag No.)

No tag found  
Well No. on Drawing of Deepest Well:

Dewatering wells

Test holes

No. of wells reported 2

Page \_\_\_\_\_ of \_\_\_\_\_

**Well Cluster Location Information**

Address of Well Location (Street Number(s)/Name(s), RR, if available) Glyn Ave Lot(s) \_\_\_\_\_ Concession(s) \_\_\_\_\_ Geographic Township \_\_\_\_\_ County/District/Upper Tier Municipality \_\_\_\_\_

City, Town, Village or Hamlet Ottawa Province Ontario GPS Unit Make Apple iPhone Model 6 Unit Mode of Operation  Undifferentiated  Averaged  Differentiated, specify: \_\_\_\_\_

**Mandatory Attachments/Additional Information**

Land Owner Consent Form must be attached.  
 Detailed Drawing of All Well Locations must be attached.  
I, the person constructing the well, will promptly submit to the Director, on request, any additional information in my custody or control related to any well in the well cluster that I have constructed.

Signature of Technician/Contractor [Signature] Date (yyyy/mm/dd) 2017/06/23

**Well Details**

Well # on Drawing	UTM Coordinates		Hole Depth (m/ft)	Hole Diameter (cm/in)	Method of Construction	Casing Material; Diameter (cm/in)	Casing (m/ft)		Screen Interval (m/ft)		Annular Space Material (m/ft)			Overburden/Bedrock or Abandonment Filing Material Intervals (m/ft)	Static Water Level (m/ft)	Date of Completion (yyyy/mm/dd)
	Zone	Easting					Northing	From	To	From	To	From	To			
16-1	18	4418774	5030517	12'	8"	Auger	2"						20' Bentonite Slurry from bottom to 15' from surface, 1' of chips and 6" cold patch asphalt		2017/05/30	
16-2	18	Abandoned			8"	Auger	2"									
16-3	18	448929	5030524	15'	8"	Auger	2"						top 5' out of hole.			

**Well Contractor and Well Technician Information**

Business Name of Well Contractor CCC Drilling Business Address (Street Number/Name, RR) 48-2627 Edinburgh Place Municipality Ottawa Province ON

Postal Code K1B1S1M1 Bus. Telephone No. 6137375227 Well Contractor's Licence No. C-7543 Business E-mail Address mwebl@cccdrilling.com

Name of Well Technician (First Name, Last Name) Chad Echlin Well Technician's Licence No. T-3299 Signature of Well Technician [Signature] Date Submitted (yyyy/mm/dd) 2017/06/23

Date First Well in Cluster Constructed or Abandoned (yyyy/mm/dd) 2017/05/30 Date Last Well in Cluster Completed (yyyy/mm/dd) \_\_\_\_\_

**Well Abandonment**

Person Abandoning the Wells: Name Chad Echlin (Print or Type) - See instruction 11 on the back of this form

**Ministry Use Only**

Date Received (yyyy/mm/dd) JUL 05 2017 Audit No. C 36211

Comments: \_\_\_\_\_





JUL 05 2017 C-7543  
C36211

Goog

2004  
© 2017 Google  
Imagery Date: 9/5/2016 18 T 448859.30 m E 5030533.01 m U elev. 60 m

## Joshua Dempsey

---

**From:** Public Information Services <publicinformationsservices@tssa.org>  
**Sent:** April 10, 2024 11:24 AM  
**To:** Joshua Dempsey  
**Subject:** RE: Search Records Request (PE6501)

Hello ,

### **NO RECORDS FOUND IN CURRENT DATABASE:**

- We confirm that there are NO **fuels records** in our database at the subject address(es).

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

Please follow the steps below to access the applications and the Service Prepayment Portal:

#### **Accessing the applications**

1. Click [Request a Public Record](#)
2. Select the appropriate application, download it, complete it in full and save it (you will have to upload application)
3. Proceed to page 3 of the application and click the "TSSA Service Prepayment Portal" link under payment options (the link will take you the secure site where you can pay for the request via credit card)

#### **Accessing the Service Prepayment Portal**

1. Select new or existing customer (\*if you are an existing customer, you will need your account number & postal code to access your account)
2. Under "Program Area" select **Public Information** and click continue
3. Enter application form number (found on the bottom left corner of the application form - **PI-095-v2**) and click continue
4. Complete the primary contact information section
5. Complete the fee section
6. Upload your completed application
7. Upload supporting documents (if required) and click continue

Once all steps have been successfully completed you will receive your payment receipt via email.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at [publicinformationsservices@tssa.org](mailto:publicinformationsservices@tssa.org).

Kind regards,





**Slavka Zahrebelny | Public Information & Records Agent**

Public Information

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1 416-734-3585 | Fax: +1 416-734-6242 | E-Mail: [szahrebelny@tssa.org](mailto:szahrebelny@tssa.org)

[www.tssa.org](http://www.tssa.org)



**Winner of 2023 5-Star Safety Cultures Award**

**From:** Joshua Dempsey <JDempsey@patersongroup.ca>

**Sent:** Wednesday, April 10, 2024 9:49 AM

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

**Subject:** Search Records Request (PE6501)

**[CAUTION]:** This email originated outside the organisation.

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

Good Morning,

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

Donald Street: 296, 304, 305, 308, 312, 313, 324

Columbus Avenue: 261, 279, 281

Cheers,



**JOSHUA DEMPSEY, B.Sc.**

JUNIOR ENVIRONMENTAL INSPECTOR

TEL: (613) 226-7381 ext. 108

DIRECT: (343) 996-3150

9 AURIGA DRIVE

OTTAWA ON K2E 7T9

[patersongroup.ca](http://patersongroup.ca)

EXPLORE THE POSSIBILITIES WITH US AND VISIT OUR REFRESHED WEBSITE TODAY.

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.

May 9, 2024

Joshua Dempsey  
Paterson Group

*Sent via email [jdempsey@patersongroup.ca](mailto:jdempsey@patersongroup.ca)*

Dear Joshua Dempsey,

**Re: Information Request  
304-308 Donald Street, Ottawa, Ontario (“Subject Property”)**

**Internal Department Circulation:**

The Planning, Infrastructure and Economic Development Department has the following information in response to your request for information regarding the Subject Property:

- **Environmental Remediation Unit:** The Environmental Remediation Unit does not have any environmental records for these properties.
- **Ottawa Public Health - Environmental Health:** all public inspection results are publicly available on the Ottawa Public Health website:  
<https://www.ottawapublichealth.ca/en/public-health-services/public-health-inspections.aspx>
- **Sewer Use Program:** The City’s Sewer Use Program has not found any information pertaining to the subject property.
- **Solid Waste Services:** The subject property is within 4.5 kilometers of the Metro MRF located at 2475 Sheffield Road.

**Documents Provided:**

**HLUI Summary Report and HLUI Map**

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

For more information on how to interpret the HLUI data identified in the attached excel sheet (‘ADDRESS – HLUI Summary report.xlsx’), please refer to the [Overview and User Guide.](#)”

**Additional information may be obtained by contacting:**



## **Ontario's Environmental Registry**

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

## **The Ontario Land Registry Office**

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

Court House  
161 Elgin Street 4th Floor  
Ottawa ON K2P 2K1  
Tel: (613) 239-1230  
Fax: (613) 239-1422

## **Ottawa Public Health**

Ottawa Public Health inspects many different types of establishments. To view inspection results, please visit the Ottawa Public Health website: [Public Health Inspections - Ottawa Public Health](#)

Please note that Ottawa Public Health is not the lead agency on land use contamination in the City of Ottawa – contact the Ministry of Environment Conservation and Parks (MECP) for further information.

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

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

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

If you have any further questions or comments, please contact [HLUI@ottawa.ca](mailto:HLUI@ottawa.ca).

Sincerely,

**Samantha Gatchene, MCIP, RPP**

Planner

Development Review

Planning, Development and Building Services Department

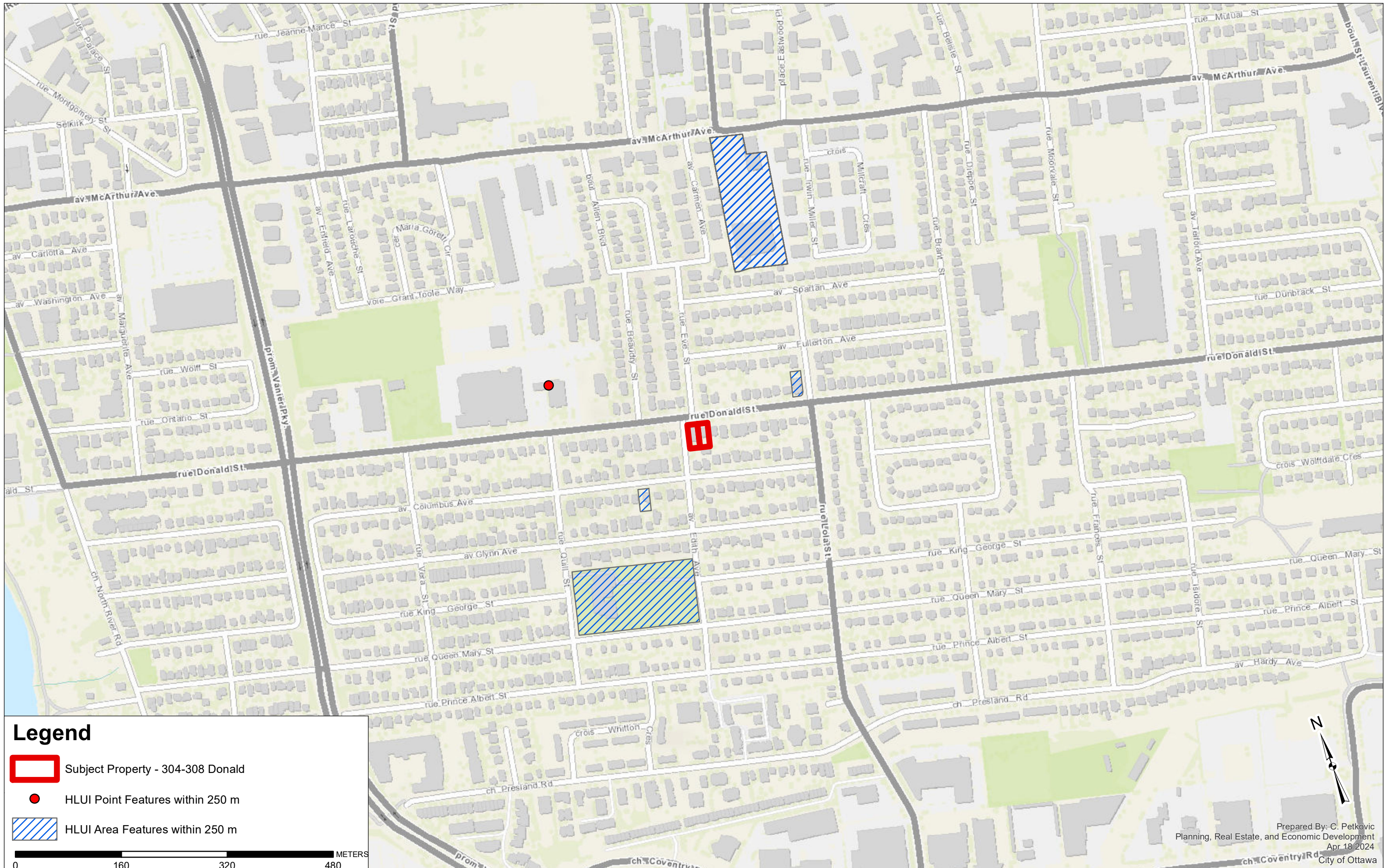
Enclosures: (2)

1. HLUI Map
2. HLUI Summary Report


cc: File no. D06-03-24-0039



# HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP



## Legend

-  Subject Property - 304-308 Donald
-  HLUI Point Features within 250 m
-  HLUI Area Features within 250 m

0 160 320 480 METERS





---

# DATABASE REPORT

**Project Property:** *Phase I ESA - 304 Donald Street  
304 Donald Street  
Ottawa ON K1K 1M5  
P.O. 59919/PE6501*

**Project No:** *P.O. 59919/PE6501*

**Report Type:** *Standard Report*

**Order No:** *24041000213*

**Requested by:** *Paterson Group Inc.*

**Date Completed:** *April 16, 2024*



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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 - 304 Donald Street  
304 Donald Street Ottawa ON K1K 1M5*

**Project No:** *P.O. 59919/PE6501*

## **Coordinates:**

**Latitude:** *45.4276151*  
**Longitude:** *-75.6550195*  
**UTM Northing:** *5,030,663.46*  
**UTM Easting:** *448,759.91*  
**UTM Zone:** *18T*

**Elevation:** *197 FT  
60.19 M*

## Order Information:

**Order No:** *24041000213*  
**Date Requested:** *April 10, 2024*  
**Requested by:** *Paterson Group Inc.*  
**Report Type:** *Standard Report*

## Historical/Products:



## Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</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 &amp; Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	4	4
CA	<i>Certificates of Approval</i>	Y	0	0	0
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<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
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	6	6
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	9	9
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 &amp; 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	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	12	12
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	1	1
IAFT	<i>Indian &amp; Northern Affairs Fuel Tanks</i>	Y	0	0	0

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Within 0.25 km</b>	<b>Total</b>
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	1	1
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense &amp; Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense &amp; Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPR2	<i>National Pollutant Release Inventory 1993-2020</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory - Historic</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PFCH	<i>NPRI Reporters - PFAS Substances</i>	Y	0	0	0
PFHA	<i>Potential PFAS Handlers from NPRI</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	7	7
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	13	13
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	10	10



<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
		<hr/>			
		<i>Total:</i>	0	63	63

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



## Executive Summary: Site Report Summary - Surrounding Properties

<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>
<a href="#">1</a>	ECA	City of Ottawa	Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario Ottawa ON K2G 6J8	NE/40.3	-0.31	<a href="#">24</a>
<a href="#">1</a>	ECA	City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	NE/40.3	-0.31	<a href="#">24</a>
<a href="#">1</a>	ECA	City of Ottawa	Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario Ottawa ON K2G 6J8	NE/40.3	-0.31	<a href="#">24</a>
<a href="#">1</a>	ECA	City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	NE/40.3	-0.31	<a href="#">25</a>
<a href="#">1</a>	ECA	City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	NE/40.3	-0.31	<a href="#">25</a>
<a href="#">2</a>	SPL	Vern's Heating<UNOFFICIAL>	324 Donald Street Ottawa ON	E/58.5	-0.31	<a href="#">25</a>
<a href="#">3</a>	EHS		261 and 265 Columbus Avenue Ottawa ON K1K 1P5	WSW/81.4	2.15	<a href="#">26</a>
<a href="#">4</a>	SPL		294 Columbus Ave, Ottawa OTTAWA ON	SE/91.4	0.37	<a href="#">26</a>
<a href="#">5</a>	SPL	PETRO-CANADA	AL'S STEAKHOUSE, 320 FULLERTON TANK TRUCK (CARGO) OTTAWA CITY ON K1K 1K3	NNE/115.1	-1.31	<a href="#">27</a>
<a href="#">6</a>	SPL		275 Donald St, Ottawa OTTAWA ON	W/119.0	1.94	<a href="#">28</a>
<a href="#">7</a>	SPL	319 Fullerton Street<UNOFFICIAL>	319 Fullerton Street Ottawa ON	NNE/125.1	-1.31	<a href="#">29</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">8</a>	INC		OPP 269 GLYNN AVENUE, OTTAWA ON K1K 1S2	SSW/125.8	1.69	<a href="#">29</a>
<a href="#">9</a>	PINC	NORMAND EXCAVATION	308 COLUMBUS AVE,,OTTAWA,ON,K1K 1P4,CA ON	ESE/137.4	0.69	<a href="#">30</a>
<a href="#">9</a>	SPL		308 Columbus Avenue Ottawa ON	ESE/137.4	0.69	<a href="#">31</a>
<a href="#">10</a>	WWIS		ON <i>Well ID: 7289479</i>	S/147.1	1.74	<a href="#">31</a>
<a href="#">11</a>	SPL	UNKNOWN	312 COLUMBUS ST. OTTAWA CITY ON K1K 1P4	ESE/148.9	0.69	<a href="#">32</a>
<a href="#">12</a>	EHS		351 Donald St. Ottawa ON K1K 1M4	ENE/158.8	-0.31	<a href="#">33</a>
<a href="#">13</a>	EHS		Glynn Ave Ottawa ON	SE/164.8	0.69	<a href="#">33</a>
<a href="#">14</a>	GEN	CITY OF OTTAWA	320 COLUMBUS AVENUE OTTAWA ON K1K 1P4	ESE/175.5	0.69	<a href="#">34</a>
<a href="#">15</a>	BORE		ON	NW/184.5	0.97	<a href="#">34</a>
<a href="#">16</a>	WWIS		971 LOLA STREET lot 49 Ottawa ON <i>Well ID: 7134491</i>	ENE/197.2	-0.31	<a href="#">35</a>
<a href="#">16</a>	WWIS		971 LOLA ST. lot 49 OTTAWA ON <i>Well ID: 7134363</i>	ENE/197.2	-0.31	<a href="#">37</a>
<a href="#">17</a>	SPL	Enbridge Gas Distribution Inc.	306 Glynn Ave Ottawa ON	SE/203.8	0.69	<a href="#">41</a>
<a href="#">17</a>	PINC	LANDROCK EXCAVATION INC	306 GLYNN AVE,,OTTAWA,ON,K1K 1S1, CA ON	SE/203.8	0.69	<a href="#">41</a>



<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">18</a>	SPL	PRIVATE RESIDENCE	230 COLUMBUS AVE. (N.O.S.) OTTAWA CITY ON K1K 1P6	WSW/205.0	3.38	<a href="#">42</a>
<a href="#">18</a>	PINC	NORMAND EXCAVATION	230 COLUMBUS AVE.,OTTAWA ,ON,K1K 1P6,CA ON	WSW/205.0	3.38	<a href="#">43</a>
<a href="#">18</a>	SPL	Enbridge Gas Distribution Inc.	230 Columbus Ave Ottawa ON	WSW/205.0	3.38	<a href="#">43</a>
<a href="#">19</a>	EHS		Columbus Avenue between Vanier Parkway and Lola Street Ottawa ON	WSW/206.3	3.69	<a href="#">44</a>
<a href="#">20</a>	BORE		ON	ENE/208.0	-0.31	<a href="#">44</a>
<a href="#">21</a>	WWIS		971 LOLA ST. Ottawa ON <b>Well ID:</b> 7122755	ENE/210.5	-0.31	<a href="#">46</a>
<a href="#">22</a>	WWIS		971 LOLA ST. Ottawa ON <b>Well ID:</b> 7122752	ENE/211.0	-0.31	<a href="#">49</a>
<a href="#">23</a>	WWIS		971 LOLA ST. Ottawa ON <b>Well ID:</b> 7122753	ENE/213.2	-0.31	<a href="#">52</a>
<a href="#">24</a>	PINC	PIPELINE HIT 1/2"	940 EVE ST.,OTTAWA,ON,K1K 3R4,CA ON	NNW/214.8	-0.31	<a href="#">54</a>
<a href="#">25</a>	ECA	Yvon Leo Cayer	5 Quill St Ottawa ON K1L 8E7	WSW/219.6	3.38	<a href="#">55</a>
<a href="#">26</a>	WWIS		971 LOLA STREET lot 49 Ottawa ON <b>Well ID:</b> 7134492	ENE/220.2	-0.31	<a href="#">55</a>
<a href="#">26</a>	HINC		971 LOLA STREET OTTAWA ON K1K 3P4	ENE/220.2	-0.31	<a href="#">57</a>
<a href="#">27</a>	WWIS		971 LOLA ST. Ottawa ON <b>Well ID:</b> 7122754	ENE/220.4	-0.31	<a href="#">57</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">28</a>	WWIS		971 LOLA ST. Ottawa ON <i>Well ID: 7122756</i>	ENE/221.0	-0.31	<a href="#">61</a>
<a href="#">29</a>	PINC	ENBRIDGE GAS INC	337 SPARTAN AVE,,OTTAWA,ON,K1K 1J6,CA ON	NNE/226.4	-1.31	<a href="#">64</a>
<a href="#">29</a>	PINC	ENBRIDGE GAS INC	337 SPARTAN AVE,,OTTAWA,ON,K1K 1J6,CA ON	NNE/226.4	-1.31	<a href="#">65</a>
<a href="#">29</a>	SPL		337 Spartan Ave. Ottawa OTTAWA ON	NNE/226.4	-1.31	<a href="#">65</a>
<a href="#">29</a>	SPL		337 Spartan Ave, Ottawa, ON OTTAWA ON	NNE/226.4	-1.31	<a href="#">66</a>
<a href="#">30</a>	WWIS		971 LOLA ST. Ottawa ON <i>Well ID: 7122751</i>	ENE/227.9	-0.31	<a href="#">67</a>
<a href="#">31</a>	BORE		ON	E/234.1	0.69	<a href="#">70</a>
<a href="#">32</a>	EHS		Spartan Ave Ottawa ON K1K	NE/236.4	-1.31	<a href="#">71</a>
<a href="#">32</a>	EHS		Spartan Ave Ottawa ON K1K	NE/236.4	-1.31	<a href="#">71</a>
<a href="#">32</a>	EHS		Spartan Ave Ottawa ON K1K	NE/236.4	-1.31	<a href="#">71</a>
<a href="#">32</a>	EHS		Spartan Ave Ottawa ON K1K	NE/236.4	-1.31	<a href="#">72</a>
<a href="#">33</a>	EHS		33 Quill Street Ottawa ON K1K 4E7	SSW/239.9	1.69	<a href="#">72</a>
<a href="#">33</a>	GEN	City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	SSW/239.9	1.69	<a href="#">72</a>



<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">33</a>	GEN	City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	SSW/239.9	1.69	<a href="#">72</a>
<a href="#">33</a>	GEN	City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	SSW/239.9	1.69	<a href="#">73</a>
<a href="#">33</a>	GEN	City of Ottawa	33 Quill Street Ottawa ON	SSW/239.9	1.69	<a href="#">73</a>
<a href="#">33</a>	GEN	City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	SSW/239.9	1.69	<a href="#">73</a>
<a href="#">33</a>	GEN	City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	SSW/239.9	1.69	<a href="#">74</a>
<a href="#">34</a>	GEN	OTTAWA BOARD OF EDUCATION	ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	WNW/240.1	2.24	<a href="#">74</a>
<a href="#">34</a>	GEN	OTTAWA (SEE&USE ON1285701)	ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	WNW/240.1	2.24	<a href="#">75</a>
<a href="#">34</a>	GEN	OTTAWA (SEE&USE ON1285701) 29-129	ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	WNW/240.1	2.24	<a href="#">75</a>
<a href="#">34</a>	GEN	OTTAWA (SEE&USE ON1285701)	ECOLE S. CARTIER 255 RUE DONALD OTTAWA ON K1K 1N1	WNW/240.1	2.24	<a href="#">75</a>
<a href="#">34</a>	GEN	OPTIONS BYTOWN NON-PROFIT HOUSING CORPORATION	255 DONALD STREET OTTAWA ON	WNW/240.1	2.24	<a href="#">75</a>
<a href="#">35</a>	SPL	Enbridge Gas Distribution Inc.	959 Lola Street Ottawa ON	ENE/243.9	-0.31	<a href="#">76</a>
<a href="#">35</a>	PINC	PIPELINE HIT 1/2"	959 LOLA ST.,OTTAWA,ON,K1K 3P2,CA ON	ENE/243.9	-0.31	<a href="#">77</a>
<a href="#">36</a>	BORE		ON	WSW/248.6	2.68	<a href="#">77</a>

<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>
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# Executive Summary: Summary By Data Source

## **BORE - Borehole**

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

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	NW	184.54	<a href="#"><u>15</u></a>
	ON	E	234.06	<a href="#"><u>31</u></a>
	ON	WSW	248.58	<a href="#"><u>36</u></a>

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	ENE	207.97	<a href="#"><u>20</u></a>

## **ECA - Environmental Compliance Approval**

A search of the ECA database, dated Oct 2011-Feb 29, 2024 has found that there are 6 ECA site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Yvon Leo Cayer	5 Quill St Ottawa ON K1L 8E7	WSW	219.61	<a href="#"><u>25</u></a>

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	NE	40.33	<a href="#"><u>1</u></a>



City of Ottawa	Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario Ottawa ON K2G 6J8	NE	40.33	<a href="#">1</a>
City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	NE	40.33	<a href="#">1</a>
City of Ottawa	Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario Ottawa ON K2G 6J8	NE	40.33	<a href="#">1</a>
City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	NE	40.33	<a href="#">1</a>

### **EHS - ERIS Historical Searches**

A search of the EHS database, dated 1999-Dec 31, 2023 has found that there are 9 EHS site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	261 and 265 Columbus Avenue Ottawa ON K1K 1P5	WSW	81.42	<a href="#">3</a>
	Glynn Ave Ottawa ON	SE	164.85	<a href="#">13</a>
	Columbus Avenue between Vanier Parkway and Lola Street Ottawa ON	WSW	206.29	<a href="#">19</a>
	33 Quill Street Ottawa ON K1K 4E7	SSW	239.94	<a href="#">33</a>
<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	351 Donald St. Ottawa ON K1K 1M4	ENE	158.76	<a href="#">12</a>
	Spartan Ave Ottawa ON K1K	NE	236.39	<a href="#">32</a>

Spartan Ave Ottawa ON K1K	NE	236.39	<a href="#">32</a>
Spartan Ave Ottawa ON K1K	NE	236.39	<a href="#">32</a>
Spartan Ave Ottawa ON K1K	NE	236.39	<a href="#">32</a>

### **GEN - Ontario Regulation 347 Waste Generators Summary**

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 12 GEN site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
CITY OF OTTAWA	320 COLUMBUS AVENUE OTTAWA ON K1K 1P4	ESE	175.47	<a href="#">14</a>
City of Ottawa	33 Quill Street Ottawa ON	SSW	239.94	<a href="#">33</a>
City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	SSW	239.94	<a href="#">33</a>
City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	SSW	239.94	<a href="#">33</a>
City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	SSW	239.94	<a href="#">33</a>
City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	SSW	239.94	<a href="#">33</a>
City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	SSW	239.94	<a href="#">33</a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
OTTAWA (SEE&USE ON1285701) 29-129	ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	WNW	240.07	<a href="#">34</a>
OTTAWA (SEE&USE ON1285701)	ECOLE S. CARTIER 255 RUE DONALD OTTAWA ON K1K 1N1	WNW	240.07	<a href="#">34</a>
OPTIONS BYTOWN NON- PROFIT HOUSING CORPORATION	255 DONALD STREET OTTAWA ON	WNW	240.07	<a href="#">34</a>
OTTAWA BOARD OF EDUCATION	ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	WNW	240.07	<a href="#">34</a>
OTTAWA (SEE&USE ON1285701)	ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	WNW	240.07	<a href="#">34</a>

### **HINC - TSSA Historic Incidents**

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

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	971 LOLA STREET OTTAWA ON K1K 3P4	ENE	220.19	<a href="#">26</a>

### **INC - Fuel Oil Spills and Leaks**

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	OPP 269 GLYNN AVENUE, OTTAWA ON K1K 1S2	SSW	125.78	<a href="#">8</a>

### **PINC - Pipeline Incidents**

A search of the PINC database, dated Feb 28, 2021 has found that there are 7 PINC site(s) within approximately 0.25 kilometers of the project property.



<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
NORMAND EXCAVATION	308 COLUMBUS AVE,,OTTAWA,ON, K1K 1P4,CA ON	ESE	137.37	<a href="#"><u>9</u></a>
LANDROCK EXCAVATION INC	306 GLYNN AVE,,OTTAWA,ON,K1K 1S1,CA ON	SE	203.76	<a href="#"><u>17</u></a>
NORMAND EXCAVATION	230 COLUMBUS AVE,,OTTAWA ,ON, K1K 1P6,CA ON	WSW	204.99	<a href="#"><u>18</u></a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PIPELINE HIT 1/2"	940 EVE ST,,OTTAWA,ON,K1K 3R4, CA ON	NNW	214.82	<a href="#"><u>24</u></a>
ENBRIDGE GAS INC	337 SPARTAN AVE,,OTTAWA,ON, K1K 1J6,CA ON	NNE	226.40	<a href="#"><u>29</u></a>
ENBRIDGE GAS INC	337 SPARTAN AVE,,OTTAWA,ON, K1K 1J6,CA ON	NNE	226.40	<a href="#"><u>29</u></a>
PIPELINE HIT 1/2"	959 LOLA ST,,OTTAWA,ON,K1K 3P2, CA ON	ENE	243.88	<a href="#"><u>35</u></a>

## **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Jan 2023; Mar 2023-Dec 2023 has found that there are 13 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	294 Columbus Ave, Ottawa OTTAWA ON	SE	91.37	<a href="#"><u>4</u></a>
	275 Donald St, Ottawa OTTAWA ON	W	119.00	<a href="#"><u>6</u></a>
	308 Columbus Avenue Ottawa ON	ESE	137.37	<a href="#"><u>9</u></a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
UNKNOWN	312 COLUMBUS ST. OTTAWA CITY ON K1K 1P4	ESE	148.91	<a href="#">11</a>
Enbridge Gas Distribution Inc.	306 Glynn Ave Ottawa ON	SE	203.76	<a href="#">17</a>
Enbridge Gas Distribution Inc.	230 Columbus Ave Ottawa ON	WSW	204.99	<a href="#">18</a>
PRIVATE RESIDENCE	230 COLUMBUS AVE. (N.O.S.) OTTAWA CITY ON K1K 1P6	WSW	204.99	<a href="#">18</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Vern's Heating<UNOFFICIAL>	324 Donald Street Ottawa ON	E	58.54	<a href="#">2</a>
PETRO-CANADA	AL'S STEAKHOUSE, 320 FULLERTON TANK TRUCK (CARGO) OTTAWA CITY ON K1K 1K3	NNE	115.06	<a href="#">5</a>
319 Fullerton Street<UNOFFICIAL>	319 Fullerton Street Ottawa ON	NNE	125.15	<a href="#">7</a>
	337 Spartan Ave. Ottawa OTTAWA ON	NNE	226.40	<a href="#">29</a>
	337 Spartan Ave, Ottawa, ON OTTAWA ON	NNE	226.40	<a href="#">29</a>
Enbridge Gas Distribution Inc.	959 Lola Street Ottawa ON	ENE	243.88	<a href="#">35</a>

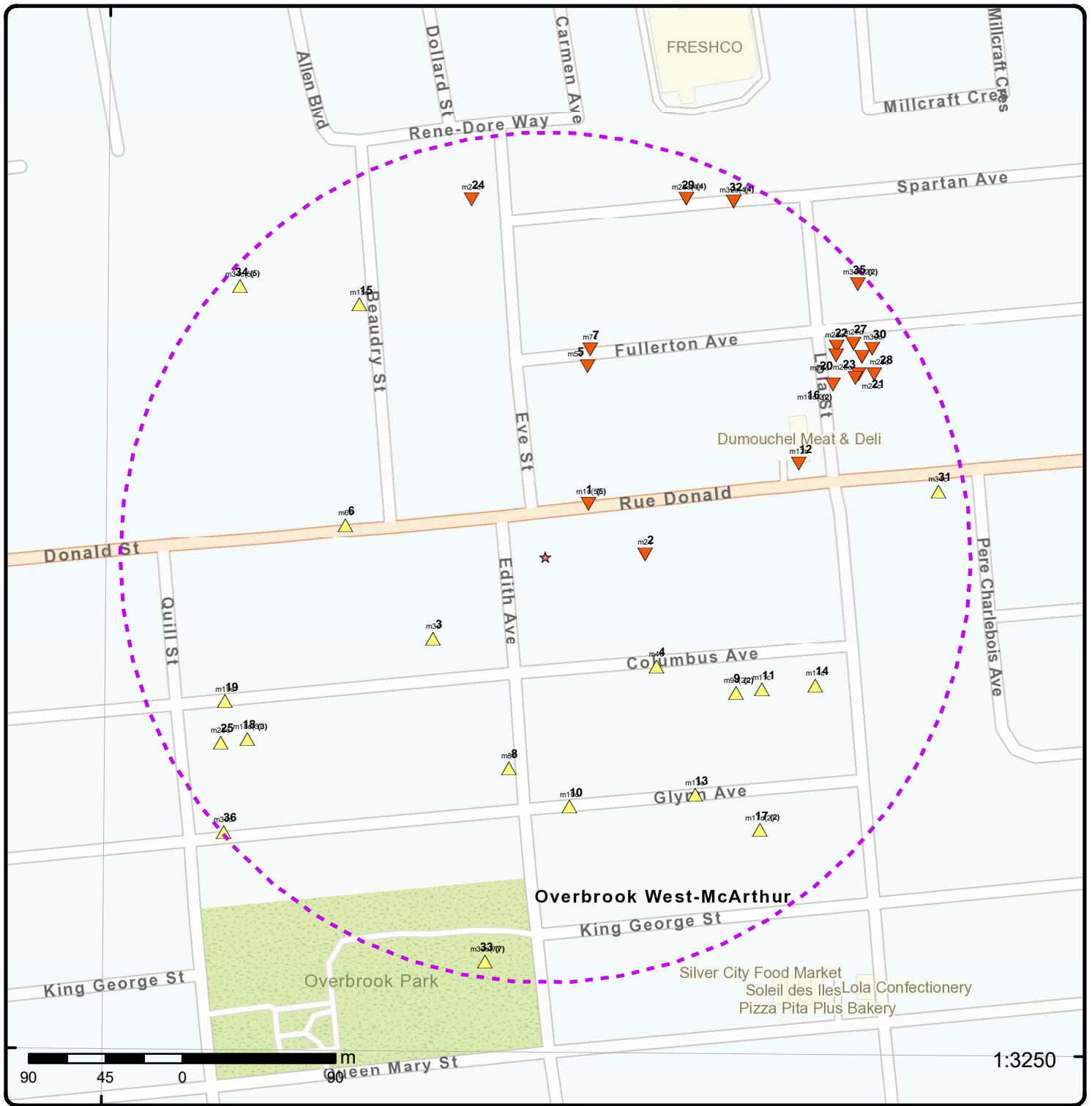
## WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31 2023 has found that there are 10 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON  <i>Well ID: 7289479</i>	S	147.13	<a href="#"><u>10</u></a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	971 LOLA STREET lot 49 Ottawa ON  <i>Well ID: 7134491</i>	ENE	197.24	<a href="#"><u>16</u></a>
	971 LOLA ST. lot 49 OTTAWA ON  <i>Well ID: 7134363</i>	ENE	197.24	<a href="#"><u>16</u></a>
	971 LOLA ST. Ottawa ON  <i>Well ID: 7122755</i>	ENE	210.47	<a href="#"><u>21</u></a>
	971 LOLA ST. Ottawa ON  <i>Well ID: 7122752</i>	ENE	211.04	<a href="#"><u>22</u></a>
	971 LOLA ST. Ottawa ON  <i>Well ID: 7122753</i>	ENE	213.21	<a href="#"><u>23</u></a>
	971 LOLA STREET lot 49 Ottawa ON  <i>Well ID: 7134492</i>	ENE	220.19	<a href="#"><u>26</u></a>
	971 LOLA ST. Ottawa ON  <i>Well ID: 7122754</i>	ENE	220.36	<a href="#"><u>27</u></a>
	971 LOLA ST. Ottawa ON  <i>Well ID: 7122756</i>	ENE	221.02	<a href="#"><u>28</u></a>
	971 LOLA ST. Ottawa ON  <i>Well ID: 7122751</i>	ENE	227.85	<a href="#"><u>30</u></a>





45°25'30"N

45°25'30"N

### Map: 0.25 Kilometer Radius

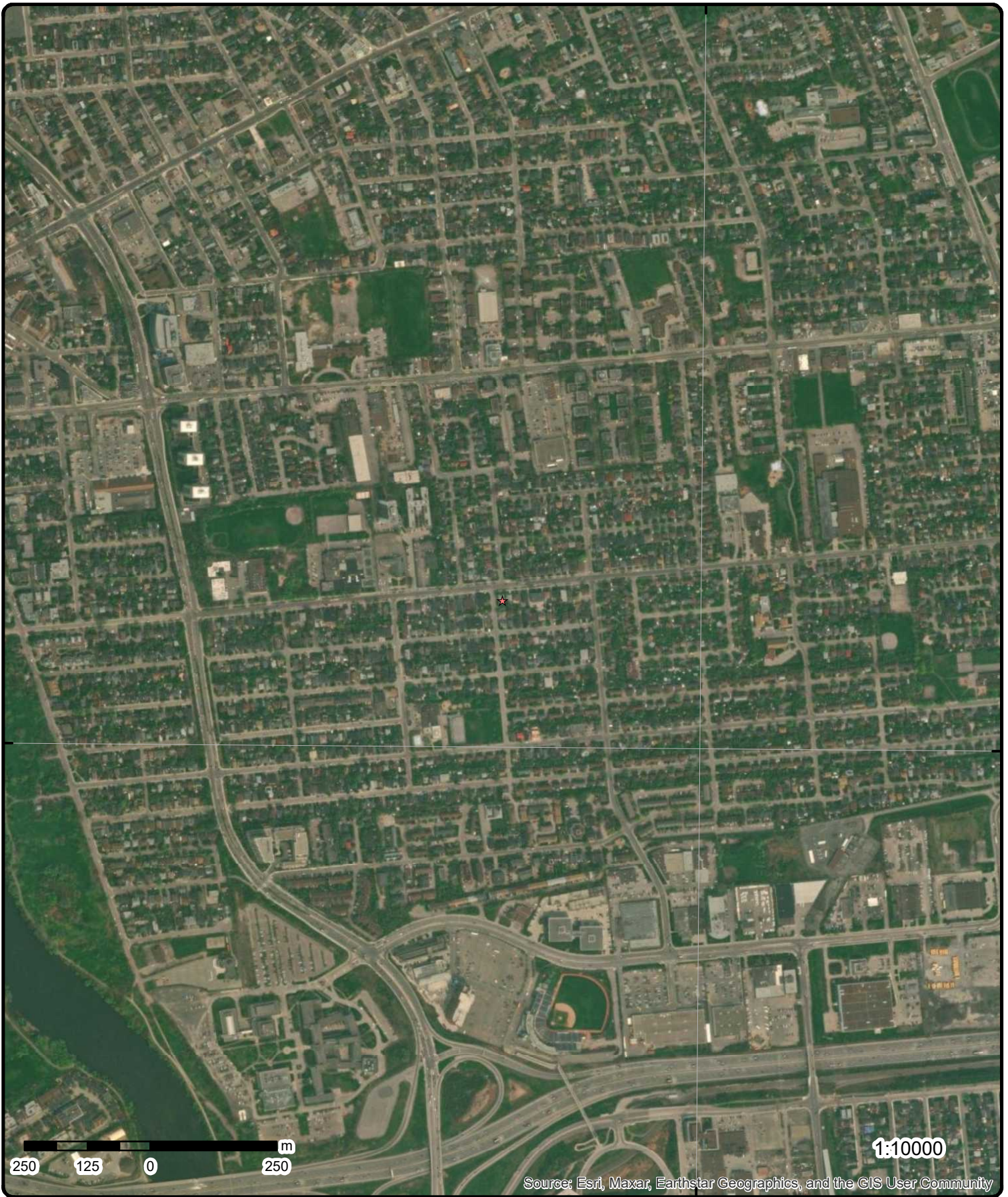
Order Number: 24041000213

Address: 304 Donald Street, Ottawa, ON



★ Project Property	Freeways; Highways	Beach	Shopping & Sports Area
Buffer Outline	Traffic Circle; Ramp	Airport	University/College
Eris Sites with Higher Elevation	Major Arterial; Minor Arterial	Industrial Area	Cemetery; Golf Course
Eris Sites with Same Elevation	Local Road	Military Base	Parkt (National)
Eris Sites with Lower Elevation	Service Road; Traffic Circle; Ramp	Aircraft Roads	Park (City/County)
Eris Sites with Unknown Elevation	Rail	Native Reservation	
		Hospital	





**Aerial** Year: 2023

Order Number: 24041000213

**Address: 304 Donald Street, Ottawa, ON**



Source: ESRI World Imagery

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75°40'30"W

75°39'W

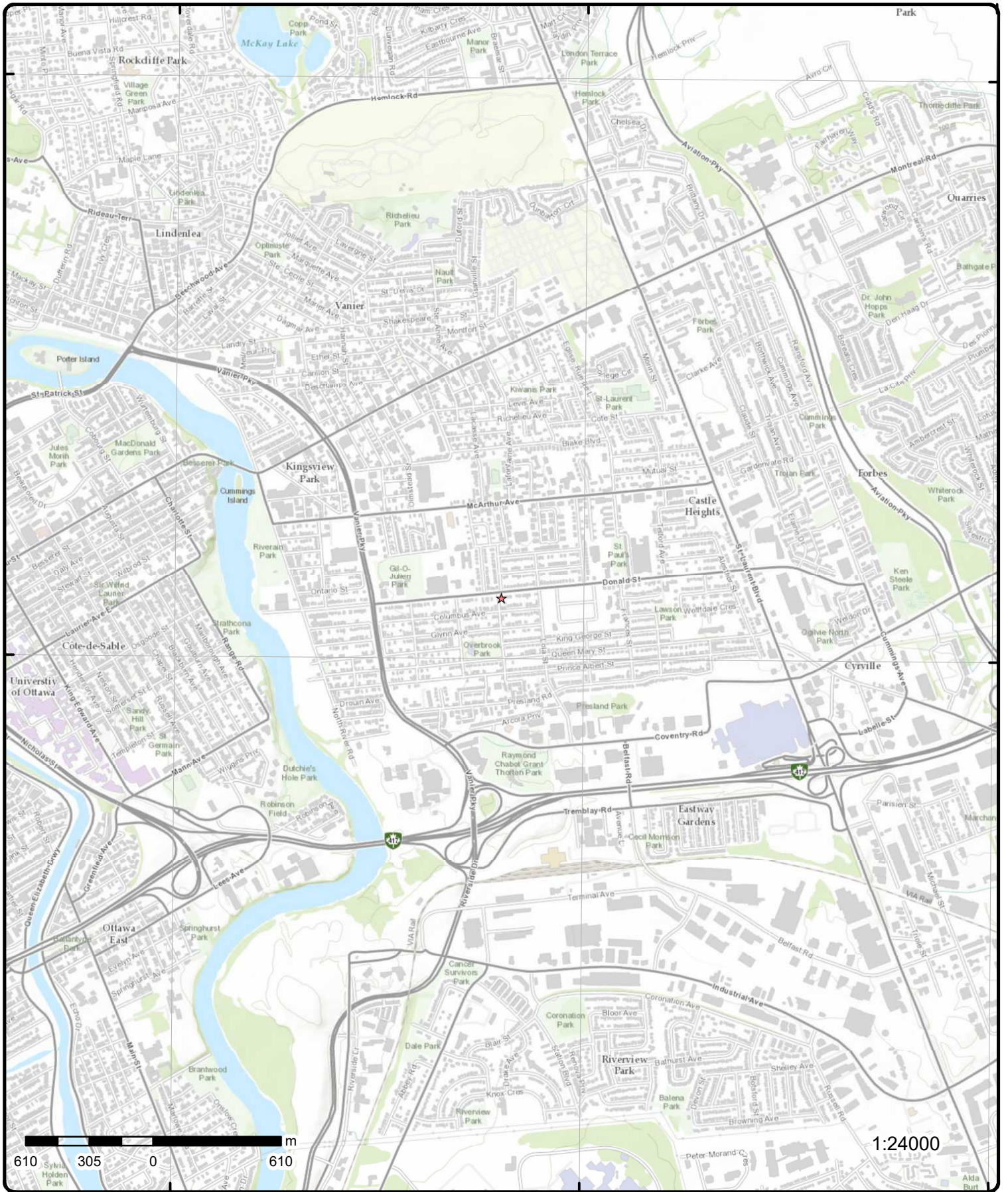
75°37'30"W

45°27'N

45°27'N

45°25'30"N

45°25'30"N



# Topographic Map

Order Number: 2404100213

Address: 304 Donald Street, ON



Source: ESRI World Topographic Map

© ERIS Information Limited Partnership



# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 5	NE/40.3	59.9 / -0.31	<b>City of Ottawa</b> Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario Ottawa ON K2G 6J8	ECA
<b>Approval No:</b> 2291-7DANJV <b>MOE District:</b> Ottawa <b>Approval Date:</b> 2008-04-02 <b>City:</b> <b>Status:</b> Approved <b>Longitude:</b> -75.6547 <b>Record Type:</b> ECA <b>Latitude:</b> 45.4279 <b>Link Source:</b> IDS <b>Geometry X:</b> <b>SWP Area Name:</b> Rideau Valley <b>Geometry Y:</b> <b>Approval Type:</b> ECA-Municipal Drinking Water Systems <b>Project Type:</b> Municipal Drinking Water Systems <b>Business Name:</b> City of Ottawa <b>Address:</b> Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario <b>Full Address:</b> <b>Full PDF Link:</b> <b>PDF Site Location:</b>					
<u>1</u>	2 of 5	NE/40.3	59.9 / -0.31	<b>City of Ottawa</b> North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	ECA
<b>Approval No:</b> 4665-6Q3GPK <b>MOE District:</b> Ottawa <b>Approval Date:</b> 2006-05-28 <b>City:</b> <b>Status:</b> Approved <b>Longitude:</b> -75.6547 <b>Record Type:</b> ECA <b>Latitude:</b> 45.4279 <b>Link Source:</b> IDS <b>Geometry X:</b> <b>SWP Area Name:</b> Rideau Valley <b>Geometry Y:</b> <b>Approval Type:</b> ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Project Type:</b> MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Business Name:</b> City of Ottawa <b>Address:</b> North River Road (between Wright St , and Montreal Road) <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/0741-6PWRJ4-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/0741-6PWRJ4-14.pdf</a> <b>PDF Site Location:</b>					
<u>1</u>	3 of 5	NE/40.3	59.9 / -0.31	<b>City of Ottawa</b> Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario Ottawa ON K2G 6J8	ECA
<b>Approval No:</b> 3106-7DANAJ <b>MOE District:</b> Ottawa <b>Approval Date:</b> 2008-04-02 <b>City:</b> <b>Status:</b> Approved <b>Longitude:</b> -75.6547 <b>Record Type:</b> ECA <b>Latitude:</b> 45.4279 <b>Link Source:</b> IDS <b>Geometry X:</b> <b>SWP Area Name:</b> Rideau Valley <b>Geometry Y:</b> <b>Approval Type:</b> ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Project Type:</b> MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Business Name:</b> City of Ottawa <b>Address:</b> Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/6840-7CVPE5-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/6840-7CVPE5-14.pdf</a> <b>PDF Site Location:</b>					
<u>1</u>	4 of 5	NE/40.3	59.9 / -0.31	City of Ottawa North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	ECA
<b>Approval No:</b> 6915-6PVHAS <b>Approval Date:</b> 2006-05-19 <b>Status:</b> Approved <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> Rideau Valley <b>Approval Type:</b> ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Project Type:</b> MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Business Name:</b> City of Ottawa <b>Address:</b> North River Road (between Wright St , and Montreal Road) <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/4705-6PFRQW-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/4705-6PFRQW-14.pdf</a> <b>PDF Site Location:</b>					
<u>1</u>	5 of 5	NE/40.3	59.9 / -0.31	City of Ottawa North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	ECA
<b>Approval No:</b> 6657-6PVHM8 <b>Approval Date:</b> 2006-05-19 <b>Status:</b> Approved <b>Record Type:</b> ECA <b>Link Source:</b> IDS <b>SWP Area Name:</b> Rideau Valley <b>Approval Type:</b> ECA-Municipal Drinking Water Systems <b>Project Type:</b> Municipal Drinking Water Systems <b>Business Name:</b> City of Ottawa <b>Address:</b> North River Road (between Wright St , and Montreal Road) <b>Full Address:</b> <b>Full PDF Link:</b> <b>PDF Site Location:</b>					
<u>2</u>	1 of 1	E/58.5	59.9 / -0.31	Vern's Heating<UNOFFICIAL> 324 Donald Street Ottawa ON	SPL
<b>Ref No:</b> 2370-9EAN49 <b>Year:</b> <b>Incident Dt:</b> 2013/12/11 <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> 2013/12/11 <b>Dt Document Closed:</b> <b>Site No:</b> <b>MOE Response:</b> Referral to others <b>Site County/District:</b> <b>Site Geo Ref Meth:</b> <b>Site District Office:</b> <b>Nearest Watercourse:</b> <b>Site Name:</b> Section 21 (business, home office)<UNOFFICIAL> <b>Site Address:</b> 324 Donald Street					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Site Region:</b> <b>Site Municipality:</b> Ottawa <b>Site Lot:</b> <b>Site Conc:</b> <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>Northing:</b> <b>Easting:</b> <b>Incident Cause:</b> Leak/Break <b>Incident Event:</b> <b>Environment Impact:</b> Not Anticipated <b>Nature of Impact:</b> Other Impact(s) <b>Contaminant Qty:</b> 1 L <b>System Facility Address:</b> <b>Client Name:</b> Vern's Heating<UNOFFICIAL> <b>Client Type:</b> <b>Source Type:</b> <b>Contaminant Code:</b> 13 <b>Contaminant Name:</b> FURNACE OIL <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Receiving Medium:</b> <b>Incident Reason:</b> Equipment Failure <b>Incident Summary:</b> TSSA: 1 L furnace oil spill, indoors <b>Activity Preceding Spill:</b> <b>Property 2nd Watershed:</b> <b>Property Tertiary Watershed:</b> <b>Sector Type:</b> Tank - Indoors <b>SAC Action Class:</b> Land Spills <b>Call Report Locatn Geodata:</b>					
<u>3</u>	1 of 1	WSW/81.4	62.3 / 2.15	261 and 265 Columbus Avenue Ottawa ON K1K 1P5	EHS
<b>Order No:</b> 20180807021 <b>Status:</b> C <b>Report Type:</b> RSC Report (Urban) <b>Report Date:</b> 10-AUG-18 <b>Date Received:</b> 07-AUG-18 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b> Fire Insur. Maps and/or Site Plans <b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> .3 <b>X:</b> -75.655858 <b>Y:</b> 45.427181					

<u>4</u>	1 of 1	SE/91.4	60.6 / 0.37	294 Columbus Ave, Ottawa OTTAWA ON	SPL
<b>Ref No:</b> 1-3HJG1Q <b>Year:</b> <b>Incident Dt:</b> 5/29/2023 1:04:57 PM <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> 5/29/2023 1:47:57 PM <b>Dt Document Closed:</b> <b>Site No:</b> <b>MOE Response:</b> Desktop Response <b>Site County/District:</b> <b>Site Geo Ref Meth:</b> <b>Site District Office:</b> Ottawa District Office <b>Nearest Watercourse:</b> <b>Site Name:</b> <b>Site Address:</b> 294 Columbus Ave, Ottawa <b>Site Region:</b>					
<b>Municipality No:</b> <b>Nature of Damage:</b> <b>Discharger Report:</b> <b>Material Group:</b> <b>Health/Env Conseq:</b> <b>Agency Involved:</b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Site Municipality:</b> <b>Site Lot:</b> <b>Site Conc:</b> <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>Northing:</b> <b>Easting:</b> <b>Incident Cause:</b> <b>Incident Event:</b> <b>Environment Impact:</b> <b>Nature of Impact:</b> <b>Contaminant Qty:</b> <b>System Facility Address:</b> <b>Client Name:</b> <b>Client Type:</b> <b>Source Type:</b> <b>Contaminant Code:</b> <b>Contaminant Name:</b> <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Receiving Medium:</b> <b>Incident Reason:</b> <b>Incident Summary:</b> <b>Activity Preceding Spill:</b> <b>Property 2nd Watershed:</b> <b>Property Tertiary Watershed:</b> <b>Sector Type:</b> <b>SAC Action Class:</b> <b>Call Report Locatn Geodata:</b>		OTTAWA			
		Line Strike			
		0 other - see notes			
		NATURAL GAS			
		Air			
		TSSA: 1/2" PL IP Res, Ottawa			
		02L   Lower Ottawa River			
		02LA   Rideau River			
		NATURAL GAS DISTRIBUTION			
		{"integration_ids":["PR00003893449"],"wks":["POINT (-75.6542268000 45.4269240000)],"creation_date":"2023-05-29"}			

<u>5</u>	1 of 1	NNE/115.1	58.9 / -1.31	PETRO-CANADA AL'S STEAKHOUSE, 320 FULLERTON TANK TRUCK (CARGO) OTTAWA CITY ON K1K 1K3	SPL
<b>Ref No:</b>	45439			<b>Municipality No:</b> 20101	
<b>Year:</b>				<b>Nature of Damage:</b>	
<b>Incident Dt:</b>	12/20/1990			<b>Discharger Report:</b>	
<b>Dt MOE Arvl on Scn:</b>				<b>Material Group:</b>	
<b>MOE Reported Dt:</b>	12/20/1990			<b>Health/Env Conseq:</b>	
<b>Dt Document Closed:</b>				<b>Agency Involved:</b>	
<b>Site No:</b>					
<b>MOE Response:</b>					
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Site District Office:</b>					
<b>Nearest Watercourse:</b>					
<b>Site Name:</b>					
<b>Site Address:</b>					
<b>Site Region:</b>					
<b>Site Municipality:</b>		OTTAWA CITY			
<b>Site Lot:</b>					
<b>Site Conc:</b>					
<b>Site Geo Ref Accu:</b>					
<b>Site Map Datum:</b>					
<b>Northing:</b>					
<b>Easting:</b>					
<b>Incident Cause:</b>		VALVE/FITTING LEAK OR FAILURE			
<b>Incident Event:</b>					
<b>Environment Impact:</b>		POSSIBLE			
<b>Nature of Impact:</b>		Soil contamination			
<b>Contaminant Qty:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>System Facility Address:</b> <b>Client Name:</b> <b>Client Type:</b> <b>Source Type:</b> <b>Contaminant Code:</b> <b>Contaminant Name:</b> <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Receiving Medium:</b> LAND <b>Incident Reason:</b> ICE/FROST DAMAGE <b>Incident Summary:</b> PETROCANADA-3 L OF OIL TOGROUND <b>Activity Preceding Spill:</b> <b>Property 2nd Watershed:</b> <b>Property Tertiary Watershed:</b> <b>Sector Type:</b> <b>SAC Action Class:</b> <b>Call Report Locatn Geodata:</b>					

<a href="#">6</a>	1 of 1	W/119.0	62.1 / 1.94	275 Donald St, Ottawa OTTAWA ON	SPL
<b>Ref No:</b> 1-28SI2Y <b>Year:</b> <b>Incident Dt:</b> <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> 11/4/2022 12:51:13 PM <b>Dt Document Closed:</b> <b>Site No:</b> <b>MOE Response:</b> Desktop Response <b>Site County/District:</b> <b>Site Geo Ref Meth:</b> <b>Site District Office:</b> Ottawa District Office <b>Nearest Watercourse:</b> <b>Site Name:</b> <b>Site Address:</b> 275 Donald St, Ottawa <b>Site Region:</b> <b>Site Municipality:</b> OTTAWA <b>Site Lot:</b> <b>Site Conc:</b> <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>Northing:</b> <b>Easting:</b> <b>Incident Cause:</b> <b>Incident Event:</b> Line Strike <b>Environment Impact:</b> <b>Nature of Impact:</b> <b>Contaminant Qty:</b> 0 other - see notes <b>System Facility Address:</b> <b>Client Name:</b> <b>Client Type:</b> <b>Source Type:</b> Pipeline/Components <b>Contaminant Code:</b> <b>Contaminant Name:</b> NATURAL GAS <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Receiving Medium:</b> Air <b>Incident Reason:</b> Line Strike <b>Incident Summary:</b> tssa/enbridge: 1/2" gas line damage <b>Activity Preceding Spill:</b> <b>Property 2nd Watershed:</b> 02L   Lower Ottawa River <b>Property Tertiary Watershed:</b> 02LA   Rideau River					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Sector Type:		NATURAL GAS DISTRIBUTION			
SAC Action Class:					
Call Report Locatn Geodata:		{ "integration_ids": ["PR00004031643"], "wks": ["POINT (-75.6565325000 45.4279960000)], "creation_date": "2022-11-04" }			
<u>7</u>	1 of 1	NNE/125.1	58.9 / -1.31	319 Fullerton Street<UNOFFICIAL> 319 Fullerton Street Ottawa ON	SPL
Ref No:	3758-6QRTEK			Municipality No:	
Year:				Nature of Damage:	
Incident Dt:	6/14/2006			Discharger Report:	
Dt MOE Arvl on Scn:				Material Group:	
MOE Reported Dt:	6/14/2006			Health/Env Conseq:	
Dt Document Closed:				Agency Involved:	
Site No:					
MOE Response:					
Site County/District:					
Site Geo Ref Meth:					
Site District Office:	Ottawa				
Nearest Watercourse:					
Site Name:	319 Fullerton Street<UNOFFICIAL>				
Site Address:	319 Fullerton Street				
Site Region:					
Site Municipality:	Ottawa				
Site Lot:					
Site Conc:					
Site Geo Ref Accu:					
Site Map Datum:					
Northing:					
Easting:					
Incident Cause:					
Incident Event:					
Environment Impact:	Not Anticipated				
Nature of Impact:					
Contaminant Qty:	9 L				
System Facility Address:					
Client Name:					
Client Type:					
Source Type:	Other				
Contaminant Code:	13				
Contaminant Name:	FUEL OIL				
Contaminant Limit 1:					
Contam Limit Freq 1:					
Contaminant UN No 1:					
Receiving Medium:					
Incident Reason:					
Incident Summary:	Mannion Pump and Petroleum: leak of oil to 2 properties				
Activity Preceding Spill:					
Property 2nd Watershed:					
Property Tertiary Watershed:					
Sector Type:					
SAC Action Class:					
Call Report Locatn Geodata:					

<u>8</u>	1 of 1	SSW/125.8	61.9 / 1.69	OPP 269 GLYNN AVENUE, OTTAWA ON K1K 1S2	INC
Incident No:	187090			Any Health Impact:	
Incident ID:	2338024			Any Enviro Impact:	
Instance No:				Service Intrap:	
Status Code:	Causal Analysis Complete			Was Prop Damaged:	



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Incident Status:</b> <b>Incident Severity:</b> <b>Task No:</b> <b>Attribute Category:</b> FS-Incident <b>Context:</b> <b>Date of Occurrence:</b> <b>Time of Occurrence:</b> <b>Occr Insp Start Dt:</b> <b>Incident Creat On:</b> <b>Instance Creat Dt:</b> <b>Instance Install Dt:</b> <b>Approx Quant Rel:</b> <b>Tank Capacity:</b> <b>Fuels Occur Type:</b> <b>Occur Type Rpt:</b> <b>Occur Category:</b> <b>Fuel Type Involved:</b> <b>Fuel Type Reported:</b> <b>Enforcement Policy:</b> <b>Prc Escalation Req:</b> <b>Item:</b> <b>Item Description:</b> <b>Device Installed Location:</b> <b>Venting Type:</b> <b>Vent Conn Mater:</b> <b>Vent Chimney Mater:</b> <b>Pipeline Type:</b> Main Distribution Pipeline <b>Pipeline Involved:</b> <b>Pipe Material:</b> Plastic <b>Regulator Location:</b> <b>Regulator Type:</b> <b>Liquid Prop Make:</b> <b>Liquid Prop Model:</b> <b>Liquid Prop Serial No:</b> <b>Liquid Prop Notes:</b> <b>Inventory Address:</b> OPP 269 GLYNN AVENUE, OTTAWA - 1 1/4" PIPELINE HIT <b>Invent Postal Code:</b> <b>Notes:</b> <b>Contact Natural Env:</b> <b>Aff Prop Use Water:</b> <b>Occurrence Narrative:</b> Contractor exposed the gas main then excavated directly over the main with a backhoe. gas main was damaged when the main rose in the ground.				<b>Reside App. Type:</b> <b>Commer App. Type:</b> <b>Indus App. Type:</b> <b>Institut App. Type:</b> <b>Depth Ground Cover:</b> 16 <b>Operation Pressure:</b> 40 <b>Equipment Type:</b> <b>Equipment Model:</b> <b>Serial No:</b> <b>Cylinder Capacity:</b> <b>Cylinder Cap Units:</b> <b>Cylinder Mat Type:</b> <b>Pump Flow Rate Cap:</b> <b>Contam. Migrated:</b> <b>Near Body of Water:</b> <b>Drainage System:</b> <b>Sub Surface Contam:</b> <b>Tank Material Type:</b> <b>Tank Storage Type:</b> <b>Tank Location Type:</b>	
<b>9</b>	1 of 2	<b>ESE/137.4</b>	<b>60.9 / 0.69</b>	<b>NORMAND EXCAVATION 308 COLUMBUS AVE,, OTTAWA, ON, K1K 1P4, CA ON</b>	<b>PINC</b>
<b>Incident Id:</b> <b>Incident No:</b> 1936038 <b>Incident Reported Dt:</b> 9/7/2016 <b>Type:</b> FS-Pipeline Incident <b>Status Code:</b> <b>Tank Status:</b> Pipeline Damage Reason Est <b>Task No:</b> <b>Spills Action Centre:</b> <b>Fuel Type:</b> <b>Fuel Occurrence Tp:</b> <b>Date of Occurrence:</b> <b>Occurrence Start Dt:</b> <b>Depth:</b> <b>Customer Acct Name:</b> NORMAND EXCAVATION <b>Incident Address:</b> 308 COLUMBUS AVE,, OTTAWA, ON, K1K 1P4, CA <b>Operation Type:</b>				<b>Pipe Material:</b> <b>Fuel Category:</b> <b>Health Impact:</b> <b>Environment Impact:</b> <b>Property Damage:</b> <b>Service Interrupt:</b> <b>Enforce Policy:</b> <b>Public Relation:</b> <b>Pipeline System:</b> <b>PSIG:</b> <b>Attribute Category:</b> <b>Regulator Location:</b> <b>Method Details:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Pipeline Type:  
Regulator Type:  
Summary:  
Reported By:  
Affiliation:  
Occurrence Desc:  
Damage Reason:  
Notes:

<u>9</u>	2 of 2	ESE/137.4	60.9 / 0.69	308 Columbus Avenue Ottawa ON	SPL
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<b>Ref No:</b>	8760-ADJV8N	<b>Municipality No:</b>	
<b>Year:</b>		<b>Nature of Damage:</b>	
<b>Incident Dt:</b>	9/6/2016	<b>Discharger Report:</b>	
<b>Dt MOE Arvl on Scn:</b>		<b>Material Group:</b>	
<b>MOE Reported Dt:</b>	9/6/2016	<b>Health/Env Conseq:</b>	
<b>Dt Document Closed:</b>		<b>Agency Involved:</b>	
<b>Site No:</b>	NA		
<b>MOE Response:</b>			
<b>Site County/District:</b>			
<b>Site Geo Ref Meth:</b>			
<b>Site District Office:</b>			
<b>Nearest Watercourse:</b>			
<b>Site Name:</b>	Residential<UNOFFICIAL>		
<b>Site Address:</b>	308 Columbus Avenue		
<b>Site Region:</b>			
<b>Site Municipality:</b>	Ottawa		
<b>Site Lot:</b>			
<b>Site Conc:</b>			
<b>Site Geo Ref Accu:</b>			
<b>Site Map Datum:</b>			
<b>Northing:</b>			
<b>Easting:</b>			
<b>Incident Cause:</b>			
<b>Incident Event:</b>	Leak/Break		
<b>Environment Impact:</b>			
<b>Nature of Impact:</b>			
<b>Contaminant Qty:</b>	0 other - see incident description		
<b>System Facility Address:</b>			
<b>Client Name:</b>			
<b>Client Type:</b>			
<b>Source Type:</b>			
<b>Contaminant Code:</b>	35		
<b>Contaminant Name:</b>	NATURAL GAS (METHANE)		
<b>Contaminant Limit 1:</b>			
<b>Contam Limit Freq 1:</b>			
<b>Contaminant UN No 1:</b>			
<b>Receiving Medium:</b>	Air		
<b>Incident Reason:</b>	Operator/Human Error		
<b>Incident Summary:</b>	TSSA FSB: 1/2" plastic damaged; made safe		
<b>Activity Preceding Spill:</b>			
<b>Property 2nd Watershed:</b>			
<b>Property Tertiary Watershed:</b>			
<b>Sector Type:</b>	Miscellaneous Industrial		
<b>SAC Action Class:</b>	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill		
<b>Call Report Locatn Geodata:</b>			

<u>10</u>	1 of 1	S/147.1	61.9 / 1.74	ON	WWIS
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<b>Well ID:</b>	7289479	<b>Flowing (Y/N):</b>	
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Construction Date:</b> <b>Use 1st:</b> <b>Use 2nd:</b> <b>Final Well Status:</b> <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> C36211 <b>Tag:</b> <b>Constructn Method:</b> <b>Elevation (m):</b> <b>Elevatn Reliabilty:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Clear/Cloudy:</b> <b>Municipality:</b> OTTAWA CITY <b>Site Info:</b>		<b>Flow Rate:</b> <b>Data Entry Status:</b> Yes <b>Data Src:</b> <b>Date Received:</b> 07/05/2017 <b>Selected Flag:</b> TRUE <b>Abandonment Rec:</b> <b>Contractor:</b> 7543 <b>Form Version:</b> 8 <b>Owner:</b> <b>County:</b> OTTAWA-CARLETON <b>Lot:</b> <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>			
<b>PDF URL (Map):</b>					
<b><u>Additional Detail(s) (Map)</u></b>					
<b>Well Completed Date:</b> <b>Year Completed:</b> <b>Depth (m):</b> <b>Latitude:</b> 45.4262979321232 <b>Longitude:</b> -75.6548240927913 <b>Path:</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b> 1006601504 <b>DP2BR:</b> <b>Spatial Status:</b> <b>Code OB:</b> <b>Code OB Desc:</b> <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> <b>Remarks:</b> <b>Loc Method Desc:</b> on Water Well Record <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>		<b>Elevation:</b> <b>Elevrc:</b> <b>Zone:</b> 18 <b>East83:</b> 448774.00 <b>North83:</b> 5030517.00 <b>Org CS:</b> UTM83 <b>UTMRC:</b> 4 <b>UTMRC Desc:</b> margin of error : 30 m - 100 m <b>Location Method:</b> wwr			
<b><u>Links</u></b>					
<b>Bore Hole ID:</b> 1006601504 <b>Depth M:</b> <b>Year Completed:</b> <b>Well Completed Dt:</b> <b>Audit No:</b> C36211 <b>Path:</b>		<b>Tag No:</b> <b>Contractor:</b> 7543 <b>Latitude:</b> 45.4262979321232 <b>Longitude:</b> -75.6548240927913 <b>Y:</b> 45.42629792513695 <b>X:</b> -75.65482393089283			
<a href="#">11</a>	1 of 1	ESE/148.9	60.9 / 0.69	UNKNOWN 312 COLUMBUS ST. OTTAWA CITY ON K1K 1P4	SPL



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Ref No:</b>	3992			<b>Municipality No:</b> 20101	
<b>Year:</b>				<b>Nature of Damage:</b>	
<b>Incident Dt:</b>	5/20/1988			<b>Discharger Report:</b>	
<b>Dt MOE Arvl on Scn:</b>				<b>Material Group:</b>	
<b>MOE Reported Dt:</b>	5/20/1988			<b>Health/Env Conseq:</b>	
<b>Dt Document Closed:</b>				<b>Agency Involved:</b>	
<b>Site No:</b>					
<b>MOE Response:</b>					
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Site District Office:</b>					
<b>Nearest Watercourse:</b>					
<b>Site Name:</b>					
<b>Site Address:</b>					
<b>Site Region:</b>					
<b>Site Municipality:</b>		OTTAWA CITY			
<b>Site Lot:</b>					
<b>Site Conc:</b>					
<b>Site Geo Ref Accu:</b>					
<b>Site Map Datum:</b>					
<b>Northing:</b>					
<b>Easting:</b>					
<b>Incident Cause:</b>		COOLING SYSTEM LEAK			
<b>Incident Event:</b>					
<b>Environment Impact:</b>					
<b>Nature of Impact:</b>					
<b>Contaminant Qty:</b>					
<b>System Facility Address:</b>					
<b>Client Name:</b>					
<b>Client Type:</b>					
<b>Source Type:</b>					
<b>Contaminant Code:</b>					
<b>Contaminant Name:</b>					
<b>Contaminant Limit 1:</b>					
<b>Contam Limit Freq 1:</b>					
<b>Contaminant UN No 1:</b>					
<b>Receiving Medium:</b>		WATER			
<b>Incident Reason:</b>		UNKNOWN			
<b>Incident Summary:</b>		675 LTR OF FURNACE OIL TO SANITARY SEWER FROM RESIDENTIAL TANK.			
<b>Activity Preceding Spill:</b>					
<b>Property 2nd Watershed:</b>					
<b>Property Tertiary Watershed:</b>					
<b>Sector Type:</b>					
<b>SAC Action Class:</b>					
<b>Call Report Locatn Geodata:</b>					

<a href="#">12</a>	1 of 1	ENE/158.8	59.9 / -0.31	351 Donald St. Ottawa ON K1K 1M4	EHS
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<b>Order No:</b>	20050316005	<b>Nearest Intersection:</b>	
<b>Status:</b>	C	<b>Municipality:</b>	
<b>Report Type:</b>		<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	3/17/2005	<b>Search Radius (km):</b>	0.25
<b>Date Received:</b>	3/16/2005	<b>X:</b>	-75.653122
<b>Previous Site Name:</b>		<b>Y:</b>	45.428122
<b>Lot/Building Size:</b>			
<b>Additional Info Ordered:</b>			

<a href="#">13</a>	1 of 1	SE/164.8	60.9 / 0.69	Glynn Ave Ottawa ON	EHS
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Order No:</b>	20160411134			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Custom Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	18-APR-16			<b>Search Radius (km):</b>	.3
<b>Date Received:</b>	11-APR-16			<b>X:</b>	-75.65388
<b>Previous Site Name:</b>				<b>Y:</b>	45.426367
<b>Lot/Building Size:</b>	0.7 ha				
<b>Additional Info Ordered:</b>					

<a href="#">14</a>	1 of 1	<b>ESE/175.5</b>	<b>60.9 / 0.69</b>	<b>CITY OF OTTAWA 320 COLUMBUS AVENUE OTTAWA ON K1K 1P4</b>	<b>GEN</b>
<b>Generator No:</b>	ON9287804				
<b>SIC Code:</b>	913910				
<b>SIC Description:</b>	913910				
<b>Approval Years:</b>	2015				
<b>PO Box No:</b>					
<b>Country:</b>	Canada				
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>	CO_OFFICIAL				
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>	No				
<b>MHSW Facility:</b>	No				
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>	251				
<b>Waste Class Name:</b>	OIL SKIMMINGS & SLUDGES				

<a href="#">15</a>	1 of 1	<b>NW/184.5</b>	<b>61.2 / 0.97</b>	<b>ON</b>	<b>BORE</b>
<b>Borehole ID:</b>	613558			<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215514811			<b>SP Status:</b>	Initial Entry
<b>Status:</b>				<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole			<b>Piezometer:</b>	No
<b>Use:</b>				<b>Primary Name:</b>	
<b>Completion Date:</b>				<b>Municipality:</b>	
<b>Static Water Level:</b>				<b>Lot:</b>	
<b>Primary Water Use:</b>				<b>Township:</b>	
<b>Sec. Water Use:</b>				<b>Latitude DD:</b>	45.428946
<b>Total Depth m:</b>	-999			<b>Longitude DD:</b>	-75.656431
<b>Depth Ref:</b>	Ground Surface			<b>UTM Zone:</b>	18
<b>Depth Elev:</b>				<b>Easting:</b>	448651
<b>Drill Method:</b>				<b>Northing:</b>	5030812
<b>Orig Ground Elev m:</b>	64			<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>				<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	62.9				
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					
<b><u>Borehole Geology Stratum</u></b>					
<b>Geology Stratum ID:</b>	218395607			<b>Mat Consistency:</b>	Loose
<b>Top Depth:</b>	.3			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	2.4			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Sand			<b>Geologic Formation:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>		SAND. LOOSE.		<b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	
<b>Geology Stratum ID:</b> <b>Top Depth:</b> <b>Bottom Depth:</b> <b>Material Color:</b> <b>Material 1:</b> <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>	218395606 0 .3  Soil			<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	
<b>Geology Stratum ID:</b> <b>Top Depth:</b> <b>Bottom Depth:</b> <b>Material Color:</b> <b>Material 1:</b> <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>	218395608 2.4  Till			<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	Loose
		TILL. LOOSE. BEDROCK. BEDDED. BEDROCK. BEDDED. BEDROCK. BEDDED.			00000009 00075 099 **Note: Many records provided by the department have a truncated [Stratum Description] field.

**Source**

<b>Source Type:</b>	Data Survey	<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada	<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972	<b>Scale or Res:</b>	Varies
<b>Confidence:</b>	H	<b>Horizontal:</b>	NAD27
<b>Observatio:</b>		<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)		
<b>Source Details:</b>	File: OTTAWA2.txt RecordID: 060660 NTS_Sheet: 31G05G		
<b>Confiden 1:</b>	Logged by professional. Exact and complete description of material and properties.		

**Source List**

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

<b>16</b>	<b>1 of 2</b>	<b>ENE/197.2</b>	<b>59.9 / -0.31</b>	<b>971 LOLA STREET lot 49</b> <b>Ottawa ON</b>	<b>WWIS</b>
<b>Well ID:</b>	7134491	<b>Flowing (Y/N):</b>			
<b>Construction Date:</b>		<b>Flow Rate:</b>			
<b>Use 1st:</b>		<b>Data Entry Status:</b>			
<b>Use 2nd:</b>		<b>Data Src:</b>			
<b>Final Well Status:</b>	Abandoned-Other	<b>Date Received:</b>	11/19/2009		
<b>Water Type:</b>		<b>Selected Flag:</b>	TRUE		
<b>Casing Material:</b>		<b>Abandonment Rec:</b>	Yes		
<b>Audit No:</b>	Z106949	<b>Contractor:</b>	6964		
<b>Tag:</b>	A032213	<b>Form Version:</b>	7		
<b>Constructn Method:</b>		<b>Owner:</b>			
<b>Elevation (m):</b>		<b>County:</b>	OTTAWA-CARLETON		



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Elevatn Reliabilty:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Clear/Cloudy:</b> <b>Municipality:</b> <b>Site Info:</b>		<b>Lot:</b> 049 <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>			
<b>PDF URL (Map):</b>		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/713\7134491.pdf			
<b><u>Additional Detail(s) (Map)</u></b>					
<b>Well Completed Date:</b>		11/06/2009			
<b>Year Completed:</b>		2009			
<b>Depth (m):</b>					
<b>Latitude:</b>		45.428541438391			
<b>Longitude:</b>		-75.6528685833327			
<b>Path:</b>		713\7134491.pdf			
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>		1002835190		<b>Elevation:</b>	
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b> 18	
<b>Code OB:</b>				<b>East83:</b> 448929.00	
<b>Code OB Desc:</b>				<b>North83:</b> 5030765.00	
<b>Open Hole:</b>				<b>Org CS:</b> UTM83	
<b>Cluster Kind:</b>				<b>UTMRC:</b> 4	
<b>Date Completed:</b>		11/06/2009		<b>UTMRC Desc:</b> margin of error : 30 m - 100 m	
<b>Remarks:</b>				<b>Location Method:</b> wwr	
<b>Loc Method Desc:</b>		on Water Well Record			
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1003024227			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		4.400000095367432			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1003024231			
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1003024224			
<b>Casing No:</b>		0			
<b>Comment:</b>					

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

**Construction Record - Casing**

Casing ID: 1003024229  
 Layer:  
 Material:  
 Open Hole or Material:  
 Depth From:  
 Depth To:  
 Casing Diameter:  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

**Construction Record - Screen**

Screen ID: 1003024230  
 Layer:  
 Slot:  
 Screen Top Depth:  
 Screen End Depth:  
 Screen Material:  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter:

**Water Details**

Water ID: 1003024228  
 Layer:  
 Kind Code:  
 Kind:  
 Water Found Depth:  
 Water Found Depth UOM: m

**Hole Diameter**

Hole ID: 1003024226  
 Diameter:  
 Depth From:  
 Depth To:  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

**Links**

Bore Hole ID:	1002835190	Tag No:	A032213
Depth M:		Contractor:	6964
Year Completed:	2009	Latitude:	45.428541438391
Well Completed Dt:	11/06/2009	Longitude:	-75.6528685833327
Audit No:	Z106949	Y:	45.42854143129871
Path:	713\7134491.pdf	X:	-75.65286842114848

<a href="#">16</a>	2 of 2	ENE/197.2	59.9 / -0.31	971 LOLA ST. lot 49 OTTAWA ON	WWIS
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Well ID:	7134363	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Test Hole	Data Entry Status:	
Use 2nd:		Data Src:	
Final Well Status:	Test Hole	Date Received:	11/18/2009

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> Z106948 <b>Tag:</b> A032213 <b>Constructn Method:</b> <b>Elevation (m):</b> <b>Elevatn Reliabilty:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Clear/Cloudy:</b> <b>Municipality:</b> OTTAWA CITY <b>Site Info:</b>				<b>Selected Flag:</b> TRUE <b>Abandonment Rec:</b> <b>Contractor:</b> 6964 <b>Form Version:</b> 7 <b>Owner:</b> <b>County:</b> OTTAWA-CARLETON <b>Lot:</b> 049 <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	
<b>PDF URL (Map):</b>		<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/713\7134363.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/713\7134363.pdf</a>			
<b><u>Additional Detail(s) (Map)</u></b>					
<b>Well Completed Date:</b>		10/13/2009			
<b>Year Completed:</b>		2009			
<b>Depth (m):</b>		4.4			
<b>Latitude:</b>		45.428541438391			
<b>Longitude:</b>		-75.6528685833327			
<b>Path:</b>		713\7134363.pdf			
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>		1002832211		<b>Elevation:</b>	
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b> 18	
<b>Code OB:</b>				<b>East83:</b> 448929.00	
<b>Code OB Desc:</b>				<b>North83:</b> 5030765.00	
<b>Open Hole:</b>				<b>Org CS:</b> UTM83	
<b>Cluster Kind:</b>				<b>UTMRC:</b> 4	
<b>Date Completed:</b>		10/13/2009		<b>UTMRC Desc:</b> margin of error : 30 m - 100 m	
<b>Remarks:</b>				<b>Location Method:</b> wwr	
<b>Loc Method Desc:</b>		on Water Well Record			
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1002923742			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		1.7999999523162842			
<b>Formation End Depth UOM:</b>		m			



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1002923743			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		17			
<b>Most Common Material:</b>		SHALE			
<b>Mat2:</b>		26			
<b>Mat2 Desc:</b>		ROCK			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		1.7999999523162842			
<b>Formation End Depth:</b>		4.400000095367432			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1002923747			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.800000011920929			
<b>Plug To:</b>		4.400000095367432			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1002923746			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		0.800000011920929			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1002923753			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1002923741			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1002923749			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		1.25			
<b>Casing Diameter:</b>		3.5			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			

<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>
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1002923750			
<b>Layer:</b>		2			
<b>Material:</b>					
<b>Open Hole or Material:</b>					
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1002923751			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		1.25			
<b>Screen End Depth:</b>		4.400000095367432			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		4.099999904632568			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1002923748			
<b>Layer:</b>		1			
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>		2.740000009536743			
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1002923745			
<b>Diameter:</b>		5.599999904632568			
<b>Depth From:</b>		1.899999976158142			
<b>Depth To:</b>		4.400000095367432			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1002923744			
<b>Diameter:</b>		7.5			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		1.899999976158142			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			
<b><u>Links</u></b>					
<b>Bore Hole ID:</b>	1002832211			<b>Tag No:</b>	A032213
<b>Depth M:</b>	4.4			<b>Contractor:</b>	6964
<b>Year Completed:</b>	2009			<b>Latitude:</b>	45.428541438391
<b>Well Completed Dt:</b>	10/13/2009			<b>Longitude:</b>	-75.6528685833327
<b>Audit No:</b>	Z106948			<b>Y:</b>	45.42854143129871
<b>Path:</b>	713\7134363.pdf			<b>X:</b>	-75.65286842114848

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">17</a>	1 of 2	SE/203.8	60.9 / 0.69	Enbridge Gas Distribution Inc. 306 Glynn Ave Ottawa ON	SPL
<b>Ref No:</b> 4573-AP6PVT <b>Year:</b> <b>Incident Dt:</b> 7/11/2017 <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> 7/11/2017 <b>Dt Document Closed:</b> 7/22/2017 <b>Site No:</b> NA <b>MOE Response:</b> No <b>Site County/District:</b> <b>Site Geo Ref Meth:</b> <b>Site District Office:</b> Ottawa <b>Nearest Watercourse:</b> <b>Site Name:</b> residential<UNOFFICIAL> <b>Site Address:</b> 306 Glynn Ave <b>Site Region:</b> Eastern <b>Site Municipality:</b> Ottawa <b>Site Lot:</b> <b>Site Conc:</b> <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>Northing:</b> <b>Easting:</b> <b>Incident Cause:</b> <b>Incident Event:</b> Leak/Break <b>Environment Impact:</b> <b>Nature of Impact:</b> <b>Contaminant Qty:</b> 0 n/a <b>System Facility Address:</b> <b>Client Name:</b> Enbridge Gas Distribution Inc. <b>Client Type:</b> Corporation <b>Source Type:</b> Pipeline/Components <b>Contaminant Code:</b> 35 <b>Contaminant Name:</b> NATURAL GAS (METHANE) <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> n/a <b>Contaminant UN No 1:</b> 1075 <b>Receiving Medium:</b> Air <b>Incident Reason:</b> Operator/Human Error <b>Incident Summary:</b> TSSA FSB: 0.5 inch plastic IP dmg, made safe <b>Activity Preceding Spill:</b> <b>Property 2nd Watershed:</b> <b>Property Tertiary Watershed:</b> <b>Sector Type:</b> Miscellaneous Communal <b>SAC Action Class:</b> TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill <b>Call Report Locatn Geodata:</b>		<b>Municipality No:</b> <b>Nature of Damage:</b> <b>Discharger Report:</b> <b>Material Group:</b> <b>Health/Env Conseq:</b> 2 - Minor Environment <b>Agency Involved:</b>			

<a href="#">17</a>	2 of 2	SE/203.8	60.9 / 0.69	LANDROCK EXCAVATION INC 306 GLYNN AVE,, OTTAWA, ON, K1K 1S1, CA ON	PINC
<b>Incident Id:</b> <b>Incident No:</b> 2116020 <b>Incident Reported Dt:</b> 7/12/2017 <b>Type:</b> FS-Pipeline Incident <b>Status Code:</b> <b>Tank Status:</b> Pipeline Damage Reason Est <b>Task No:</b> <b>Spills Action Centre:</b> <b>Fuel Type:</b>		<b>Pipe Material:</b> <b>Fuel Category:</b> <b>Health Impact:</b> <b>Environment Impact:</b> <b>Property Damage:</b> <b>Service Interrupt:</b> <b>Enforce Policy:</b> <b>Public Relation:</b> <b>Pipeline System:</b>			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Fuel Occurrence Tp:</b> <b>Date of Occurrence:</b> <b>Occurrence Start Dt:</b> <b>Depth:</b> <b>Customer Acct Name:</b> <b>Incident Address:</b> <b>Operation Type:</b> <b>Pipeline Type:</b> <b>Regulator Type:</b> <b>Summary:</b> <b>Reported By:</b> <b>Affiliation:</b> <b>Occurrence Desc:</b> <b>Damage Reason:</b> <b>Notes:</b>					
		LANDROCK EXCAVATION INC 306 GLYNN AVE., OTTAWA, ON, K1K 1S1, CA		<b>PSIG:</b> <b>Attribute Category:</b> <b>Regulator Location:</b> <b>Method Details:</b>	
<a href="#">18</a>	1 of 3	WSW/205.0	63.6 / 3.38	<b>PRIVATE RESIDENCE</b> <b>230 COLUMBUS AVE. (N.O.S.)</b> <b>OTTAWA CITY ON K1K 1P6</b>	SPL
<b>Ref No:</b> 109227 <b>Year:</b> <b>Incident Dt:</b> 1/14/1995 <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> 1/17/1995 <b>Dt Document Closed:</b> <b>Site No:</b> <b>MOE Response:</b> <b>Site County/District:</b> <b>Site Geo Ref Meth:</b> <b>Site District Office:</b> <b>Nearest Watercourse:</b> <b>Site Name:</b> <b>Site Address:</b> <b>Site Region:</b> <b>Site Municipality:</b> OTTAWA CITY <b>Site Lot:</b> <b>Site Conc:</b> <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>Northing:</b> <b>Easting:</b> <b>Incident Cause:</b> OTHER CONTAINER LEAK <b>Incident Event:</b> <b>Environment Impact:</b> CONFIRMED <b>Nature of Impact:</b> Soil contamination <b>Contaminant Qty:</b> <b>System Facility Address:</b> <b>Client Name:</b> <b>Client Type:</b> <b>Source Type:</b> <b>Contaminant Code:</b> <b>Contaminant Name:</b> <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Receiving Medium:</b> LAND <b>Incident Reason:</b> ERROR <b>Incident Summary:</b> PRIVATE RESIDENCE- 3L MO-TOR OIL FROM UNCOVERED PAN TO GROUND, CLEANING UP <b>Activity Preceding Spill:</b> <b>Property 2nd Watershed:</b> <b>Property Tertiary Watershed:</b> <b>Sector Type:</b> <b>SAC Action Class:</b>					
				<b>Municipality No:</b> 20101 <b>Nature of Damage:</b> <b>Discharger Report:</b> <b>Material Group:</b> <b>Health/Env Conseq:</b> <b>Agency Involved:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Call Report Locatn Geodata:

<a href="#">18</a>	2 of 3	WSW/205.0	63.6 / 3.38	NORMAND EXCAVATION 230 COLUMBUS AVE,,OTTAWA ,ON,K1K 1P6,CA ON	PINC
<b>Incident Id:</b> <b>Incident No:</b> 1973674 <b>Incident Reported Dt:</b> 11/9/2016 <b>Type:</b> FS-Pipeline Incident <b>Status Code:</b> <b>Tank Status:</b> Pipeline Damage Reason Est <b>Task No:</b> <b>Spills Action Centre:</b> <b>Fuel Type:</b> <b>Fuel Occurrence Tp:</b> <b>Date of Occurrence:</b> <b>Occurrence Start Dt:</b> <b>Depth:</b> <b>Customer Acct Name:</b> NORMAND EXCAVATION <b>Incident Address:</b> 230 COLUMBUS AVE,,OTTAWA ,ON,K1K 1P6,CA <b>Operation Type:</b> <b>Pipeline Type:</b> <b>Regulator Type:</b> <b>Summary:</b> <b>Reported By:</b> <b>Affiliation:</b> <b>Occurrence Desc:</b> <b>Damage Reason:</b> <b>Notes:</b>		<b>Pipe Material:</b> <b>Fuel Category:</b> <b>Health Impact:</b> <b>Environment Impact:</b> <b>Property Damage:</b> <b>Service Interrupt:</b> <b>Enforce Policy:</b> <b>Public Relation:</b> <b>Pipeline System:</b> <b>PSIG:</b> <b>Attribute Category:</b> <b>Regulator Location:</b> <b>Method Details:</b>			

<a href="#">18</a>	3 of 3	WSW/205.0	63.6 / 3.38	Enbridge Gas Distribution Inc. 230 Columbus Ave Ottawa ON	SPL
<b>Ref No:</b> 6473-AFJPNV <b>Year:</b> <b>Incident Dt:</b> 2016/11/09 <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> 2016/11/09 <b>Dt Document Closed:</b> 2016/11/16 <b>Site No:</b> NA <b>MOE Response:</b> No <b>Site County/District:</b> <b>Site Geo Ref Meth:</b> <b>Site District Office:</b> <b>Nearest Watercourse:</b> <b>Site Name:</b> Enbridge - 1/ 2 in gasoline<UNOFFICIAL> <b>Site Address:</b> 230 Columbus Ave <b>Site Region:</b> <b>Site Municipality:</b> Ottawa <b>Site Lot:</b> <b>Site Conc:</b> <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>Northing:</b> <b>Easting:</b> <b>Incident Cause:</b> <b>Incident Event:</b> Leak/Break <b>Environment Impact:</b> <b>Nature of Impact:</b> <b>Contaminant Qty:</b> 0 other - see incident description		<b>Municipality No:</b> <b>Nature of Damage:</b> <b>Discharger Report:</b> <b>Material Group:</b> <b>Health/Env Conseq:</b> <b>Agency Involved:</b>			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>System Facility Address:</b>					
<b>Client Name:</b>	Enbridge Gas Distribution Inc.				
<b>Client Type:</b>					
<b>Source Type:</b>					
<b>Contaminant Code:</b>	35				
<b>Contaminant Name:</b>	NATURAL GAS (METHANE)				
<b>Contaminant Limit 1:</b>					
<b>Contam Limit Freq 1:</b>					
<b>Contaminant UN No 1:</b>					
<b>Receiving Medium:</b>	Air				
<b>Incident Reason:</b>	Operator/Human Error				
<b>Incident Summary:</b>	TSSA/Enbridge: 1/2 in gasline damage				
<b>Activity Preceding Spill:</b>					
<b>Property 2nd Watershed:</b>					
<b>Property Tertiary Watershed:</b>					
<b>Sector Type:</b>	Other				
<b>SAC Action Class:</b>	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill				
<b>Call Report Locatn Geodata:</b>					

<a href="#">19</a>	1 of 1	WSW/206.3	63.9 / 3.69	Columbus Avenue between Vanier Parkway and Lola Street Ottawa ON	EHS
<b>Order No:</b>	20150612026			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	RSC Premium Package (Urban)			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	19-JUN-15			<b>Search Radius (km):</b>	.3
<b>Date Received:</b>	12-JUN-15			<b>X:</b>	-75.657417
<b>Previous Site Name:</b>				<b>Y:</b>	45.426842
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					

<a href="#">20</a>	1 of 1	ENE/208.0	59.9 / -0.31	ON	BORE
<b>Borehole ID:</b>	613548			<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215514805			<b>SP Status:</b>	Initial Entry
<b>Status:</b>					
<b>Type:</b>	Borehole			<b>Surv Elev:</b>	No
<b>Use:</b>					
<b>Completion Date:</b>					
<b>Static Water Level:</b>					
<b>Primary Water Use:</b>					
<b>Sec. Water Use:</b>					
<b>Total Depth m:</b>	-999			<b>Piezometer:</b>	No
<b>Depth Ref:</b>	Ground Surface			<b>Primary Name:</b>	
<b>Depth Elev:</b>					
<b>Drill Method:</b>					
<b>Orig Ground Elev m:</b>	61			<b>Municipality:</b>	
<b>Elev Reliabil Note:</b>					
<b>DEM Ground Elev m:</b>	59.4			<b>Lot:</b>	
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					
<b><u>Borehole Geology Stratum</u></b>					
<b>Geology Stratum ID:</b>	218395572			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	1.2			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	1.8			<b>Material Texture:</b>	



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Material Color:</b>	Black			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Clay			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>		CLAY. BLACK,PLASTIC.			
<b>Geology Stratum ID:</b>	218395573			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	1.8			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	3.4			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Clay			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Sand			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>		CLAY.			
<b>Geology Stratum ID:</b>	218395571			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	1.2			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Gravel			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>		GRAVEL.			
<b>Geology Stratum ID:</b>	218395574			<b>Mat Consistency:</b>	Dense
<b>Top Depth:</b>	3.4			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>				<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Bedrock			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Shale			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>		BEDROCK. DENSE. BEDROCK. BEDROCK. 00010 020 00025 023 00050 012 00010026000			**Note: Many records provided by the department have a truncated [Stratum Description] field.
<b>Source</b>					
<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada			<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972			<b>Scale or Res:</b>	Varies
<b>Confidence:</b>	H			<b>Horizontal:</b>	NAD27
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Details:</b>	File: OTTAWA2.txt RecordID: 060560 NTS_Sheet: 31G05G				
<b>Confiden 1:</b>	Logged by professional. Exact and complete description of material and properties.				
<b>Source List</b>					
<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies				
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Originators:</b>	Geological Survey of Canada				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">21</a>	1 of 1	ENE/210.5	59.9 / -0.31	971 LOLA ST. Ottawa ON	WWIS

<b>Well ID:</b>	7122755	<b>Flowing (Y/N):</b>	
<b>Construction Date:</b>		<b>Flow Rate:</b>	
<b>Use 1st:</b>	Monitoring and Test Hole	<b>Data Entry Status:</b>	
<b>Use 2nd:</b>	0	<b>Data Src:</b>	
<b>Final Well Status:</b>	Monitoring and Test Hole	<b>Date Received:</b>	05/07/2009
<b>Water Type:</b>		<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>		<b>Abandonment Rec:</b>	
<b>Audit No:</b>	Z096600	<b>Contractor:</b>	7241
<b>Tag:</b>	A080418	<b>Form Version:</b>	7
<b>Constructn Method:</b>		<b>Owner:</b>	
<b>Elevation (m):</b>		<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliabilty:</b>		<b>Lot:</b>	
<b>Depth to Bedrock:</b>		<b>Concession:</b>	
<b>Well Depth:</b>		<b>Concession Name:</b>	
<b>Overburden/Bedrock:</b>		<b>Easting NAD83:</b>	
<b>Pump Rate:</b>		<b>Northing NAD83:</b>	
<b>Static Water Level:</b>		<b>Zone:</b>	
<b>Clear/Cloudy:</b>		<b>UTM Reliability:</b>	
<b>Municipality:</b>	OTTAWA CITY		
<b>Site Info:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/712\7122755.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122755.pdf)

#### Additional Detail(s) (Map)

<b>Well Completed Date:</b>	04/07/2009
<b>Year Completed:</b>	2009
<b>Depth (m):</b>	4.27
<b>Latitude:</b>	45.428578390762
<b>Longitude:</b>	-75.6527028230159
<b>Path:</b>	712\7122755.pdf

#### Bore Hole Information

<b>Bore Hole ID:</b>	1002422227	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	448942.00
<b>Code OB Desc:</b>		<b>North83:</b>	5030769.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	04/07/2009	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Loc Method Desc:</b>	on Water Well Record		
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

#### Overburden and Bedrock Materials Interval

<b>Formation ID:</b>	1002550559
<b>Layer:</b>	4
<b>Color:</b>	8
<b>General Color:</b>	BLACK
<b>Mat1:</b>	17
<b>Most Common Material:</b>	SHALE

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat2:</b>		28			
<b>Mat2 Desc:</b>		SAND			
<b>Mat3:</b>		92			
<b>Mat3 Desc:</b>		WEATHERED			
<b>Formation Top Depth:</b>		3.0999999046325684			
<b>Formation End Depth:</b>		4.269999980926514			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1002550557			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>		06			
<b>Mat2 Desc:</b>		SILT			
<b>Mat3:</b>		11			
<b>Mat3 Desc:</b>		GRAVEL			
<b>Formation Top Depth:</b>		0.6100000143051147			
<b>Formation End Depth:</b>		1.5			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1002550558			
<b>Layer:</b>		3			
<b>Color:</b>		8			
<b>General Color:</b>		BLACK			
<b>Mat1:</b>		17			
<b>Most Common Material:</b>		SHALE			
<b>Mat2:</b>		28			
<b>Mat2 Desc:</b>		SAND			
<b>Mat3:</b>		11			
<b>Mat3 Desc:</b>		GRAVEL			
<b>Formation Top Depth:</b>		1.5			
<b>Formation End Depth:</b>		3.0999999046325684			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1002550556			
<b>Layer:</b>		1			
<b>Color:</b>		8			
<b>General Color:</b>		BLACK			
<b>Mat1:</b>		02			
<b>Most Common Material:</b>		TOPSOIL			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>		85			
<b>Mat3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		0.6100000143051147			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug ID:</b>		1002550562			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.9100000262260437			
<b>Plug To:</b>		4.269999980926514			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1002550561			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		0.9100000262260437			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1002550568			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1002550555			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1002550564			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		1.2200000286102295			
<b>Casing Diameter:</b>		4.03000020980835			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1002550565			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		1.2200000286102295			
<b>Screen End Depth:</b>		4.269999980926514			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		4.820000171661377			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1002550563			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>	1002550560				
<b>Diameter:</b>	8.25				
<b>Depth From:</b>	0.0				
<b>Depth To:</b>	4.269999980926514				
<b>Hole Depth UOM:</b>	m				
<b>Hole Diameter UOM:</b>	cm				
<b><u>Links</u></b>					
<b>Bore Hole ID:</b>	1002422227			<b>Tag No:</b>	A080418
<b>Depth M:</b>	4.27			<b>Contractor:</b>	7241
<b>Year Completed:</b>	2009			<b>Latitude:</b>	45.428578390762
<b>Well Completed Dt:</b>	04/07/2009			<b>Longitude:</b>	-75.6527028230159
<b>Audit No:</b>	Z096600			<b>Y:</b>	45.42857838428045
<b>Path:</b>	712\7122755.pdf			<b>X:</b>	-75.65270266136916

<b><u>22</u></b>	<b>1 of 1</b>	<b>ENE/211.0</b>	<b>59.9 / -0.31</b>	<b>971 LOLA ST. Ottawa ON</b>	<b>WWIS</b>
<b>Well ID:</b>	7122752			<b>Flowing (Y/N):</b>	
<b>Construction Date:</b>				<b>Flow Rate:</b>	
<b>Use 1st:</b>	Monitoring and Test Hole			<b>Data Entry Status:</b>	
<b>Use 2nd:</b>	0			<b>Data Src:</b>	
<b>Final Well Status:</b>	Monitoring and Test Hole			<b>Date Received:</b>	05/07/2009
<b>Water Type:</b>				<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>				<b>Abandonment Rec:</b>	
<b>Audit No:</b>	Z96590			<b>Contractor:</b>	7241
<b>Tag:</b>	A081754			<b>Form Version:</b>	7
<b>Constructn Method:</b>				<b>Owner:</b>	
<b>Elevation (m):</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliabilty:</b>				<b>Lot:</b>	
<b>Depth to Bedrock:</b>				<b>Concession:</b>	
<b>Well Depth:</b>				<b>Concession Name:</b>	
<b>Overburden/Bedrock:</b>				<b>Easting NAD83:</b>	
<b>Pump Rate:</b>				<b>Northing NAD83:</b>	
<b>Static Water Level:</b>				<b>Zone:</b>	
<b>Clear/Cloudy:</b>				<b>UTM Reliability:</b>	
<b>Municipality:</b>	OTTAWA CITY				
<b>Site Info:</b>					
<b>PDF URL (Map):</b>	<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122752.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122752.pdf</a>				

**Additional Detail(s) (Map)**

<b>Well Completed Date:</b>	04/08/2009
<b>Year Completed:</b>	2009
<b>Depth (m):</b>	1.22
<b>Latitude:</b>	45.4287395991109
<b>Longitude:</b>	-75.6528453006762
<b>Path:</b>	712\7122752.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	1002422218	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevarc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	448931.00
<b>Code OB Desc:</b>		<b>North83:</b>	5030787.00

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Open Hole:</b>				<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	04/08/2009			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	wwr
<b>Loc Method Desc:</b>		on Water Well Record			
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1002550206			
<b>Layer:</b>		1			
<b>Color:</b>		8			
<b>General Color:</b>		BLACK			
<b>Mat1:</b>		11			
<b>Most Common Material:</b>		GRAVEL			
<b>Mat2:</b>		17			
<b>Mat2 Desc:</b>		SHALE			
<b>Mat3:</b>		66			
<b>Mat3 Desc:</b>		DENSE			
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		0.6100000143051147			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1002550207			
<b>Layer:</b>		2			
<b>Color:</b>		8			
<b>General Color:</b>		BLACK			
<b>Mat1:</b>		17			
<b>Most Common Material:</b>		SHALE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>		92			
<b>Mat3 Desc:</b>		WEATHERED			
<b>Formation Top Depth:</b>		0.6100000143051147			
<b>Formation End Depth:</b>		1.2200000286102295			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1002550210			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.6100000143051147			
<b>Plug To:</b>		1.2200000286102295			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1002550209			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		0.6100000143051147			



<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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**Plug Depth UOM:** m

**Method of Construction & Well Use**

**Method Construction ID:** 1002550216  
**Method Construction Code:** D  
**Method Construction:** Direct Push  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 1002550205  
**Casing No:** 0  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 1002550212  
**Layer:** 1  
**Material:** 5  
**Open Hole or Material:** PLASTIC  
**Depth From:** 0.0  
**Depth To:** 0.3100000023841858  
**Casing Diameter:** 3.450000047683716  
**Casing Diameter UOM:** cm  
**Casing Depth UOM:** m

**Construction Record - Screen**

**Screen ID:** 1002550213  
**Layer:** 1  
**Slot:** 10  
**Screen Top Depth:** 0.3100000023841858  
**Screen End Depth:** 1.2200000286102295  
**Screen Material:** 5  
**Screen Depth UOM:** m  
**Screen Diameter UOM:** cm  
**Screen Diameter:** 4.210000038146973

**Water Details**

**Water ID:** 1002550211  
**Layer:**  
**Kind Code:**  
**Kind:**  
**Water Found Depth:**  
**Water Found Depth UOM:** m

**Hole Diameter**

**Hole ID:** 1002550208  
**Diameter:** 5.710000038146973  
**Depth From:** 0.0  
**Depth To:** 1.2200000286102295  
**Hole Depth UOM:** m  
**Hole Diameter UOM:** cm

**Links**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Bore Hole ID:</b>	1002422218			<b>Tag No:</b> A081754	
<b>Depth M:</b>	1.22			<b>Contractor:</b> 7241	
<b>Year Completed:</b>	2009			<b>Latitude:</b> 45.4287395991109	
<b>Well Completed Dt:</b>	04/08/2009			<b>Longitude:</b> -75.6528453006762	
<b>Audit No:</b>	Z96590			<b>Y:</b> 45.428739592086515	
<b>Path:</b>	712\7122752.pdf			<b>X:</b> -75.65284513860385	

<a href="#">23</a>	1 of 1	<b>ENE/213.2</b>	<b>59.9 / -0.31</b>	<b>971 LOLA ST. Ottawa ON</b>	<b>WWIS</b>
<b>Well ID:</b>	7122753			<b>Flowing (Y/N):</b>	
<b>Construction Date:</b>				<b>Flow Rate:</b>	
<b>Use 1st:</b>	Monitoring and Test Hole			<b>Data Entry Status:</b>	
<b>Use 2nd:</b>	0			<b>Data Src:</b>	
<b>Final Well Status:</b>	Monitoring and Test Hole			<b>Date Received:</b>	05/07/2009
<b>Water Type:</b>				<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>				<b>Abandonment Rec:</b>	
<b>Audit No:</b>	Z096596			<b>Contractor:</b>	7241
<b>Tag:</b>	A081755			<b>Form Version:</b>	7
<b>Constructn Method:</b>				<b>Owner:</b>	
<b>Elevation (m):</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliabilty:</b>				<b>Lot:</b>	
<b>Depth to Bedrock:</b>				<b>Concession:</b>	
<b>Well Depth:</b>				<b>Concession Name:</b>	
<b>Overburden/Bedrock:</b>				<b>Easting NAD83:</b>	
<b>Pump Rate:</b>				<b>Northing NAD83:</b>	
<b>Static Water Level:</b>				<b>Zone:</b>	
<b>Clear/Cloudy:</b>				<b>UTM Reliability:</b>	
<b>Municipality:</b>	OTTAWA CITY				
<b>Site Info:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/712\7122753.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122753.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 04/08/2009  
**Year Completed:** 2009  
**Depth (m):** 1.1  
**Latitude:** 45.4285965381783  
**Longitude:** -75.6526774650431  
**Path:** 712\7122753.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	1002422221	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	448944.00
<b>Code OB Desc:</b>		<b>North83:</b>	5030771.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	04/08/2009	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Loc Method Desc:</b>	on Water Well Record		
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1002550443			
<b>Layer:</b>		2			
<b>Color:</b>		8			
<b>General Color:</b>		BLACK			
<b>Mat1:</b>		17			
<b>Most Common Material:</b>		SHALE			
<b>Mat2:</b>		06			
<b>Mat2 Desc:</b>		SILT			
<b>Mat3:</b>		28			
<b>Mat3 Desc:</b>		SAND			
<b>Formation Top Depth:</b>		0.30000001192092896			
<b>Formation End Depth:</b>		1.100000023841858			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1002550442			
<b>Layer:</b>		1			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		11			
<b>Most Common Material:</b>		GRAVEL			
<b>Mat2:</b>		01			
<b>Mat2 Desc:</b>		FILL			
<b>Mat3:</b>		77			
<b>Mat3 Desc:</b>		LOOSE			
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		0.30000001192092896			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1002550445			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		0.30000001192092896			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1002550446			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.30000001192092896			
<b>Plug To:</b>		1.100000023841858			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1002550452			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>					

**Pipe Information**



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Pipe ID: 1002550441  
 Casing No: 0  
 Comment:  
 Alt Name:

**Construction Record - Casing**

Casing ID: 1002550448  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From: 0.0  
 Depth To: 0.30000001192092896  
 Casing Diameter: 3.450000047683716  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

**Construction Record - Screen**

Screen ID: 1002550449  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 0.30000001192092896  
 Screen End Depth: 1.100000023841858  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.210000038146973

**Water Details**

Water ID: 1002550447  
 Layer:  
 Kind Code:  
 Kind:  
 Water Found Depth:  
 Water Found Depth UOM: m

**Hole Diameter**

Hole ID: 1002550444  
 Diameter: 6.03000020980835  
 Depth From: 0.0  
 Depth To: 1.100000023841858  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

**Links**

Bore Hole ID:	1002422221	Tag No:	A081755
Depth M:	1.1	Contractor:	7241
Year Completed:	2009	Latitude:	45.4285965381783
Well Completed Dt:	04/08/2009	Longitude:	-75.6526774650431
Audit No:	Z096596	Y:	45.42859653136223
Path:	712\7122753.pdf	X:	-75.65267730283387

<a href="#">24</a>	1 of 1	NNW/214.8	59.9 / -0.31	PIPELINE HIT 1/2" 940 EVE ST., OTTAWA, ON, K1K 3R4, CA ON	PINC
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Incident Id: Pipe Material:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Incident No:</b>	966886			<b>Fuel Category:</b>	
<b>Incident Reported Dt:</b>	12/13/2012			<b>Health Impact:</b>	
<b>Type:</b>	FS-Pipeline Incident			<b>Environment Impact:</b>	
<b>Status Code:</b>				<b>Property Damage:</b>	
<b>Tank Status:</b>	Pipeline Damage Reason Est			<b>Service Interrupt:</b>	
<b>Task No:</b>				<b>Enforce Policy:</b>	
<b>Spills Action Centre:</b>				<b>Public Relation:</b>	
<b>Fuel Type:</b>				<b>Pipeline System:</b>	
<b>Fuel Occurrence Tp:</b>				<b>PSIG:</b>	
<b>Date of Occurrence:</b>				<b>Attribute Category:</b>	
<b>Occurrence Start Dt:</b>				<b>Regulator Location:</b>	
<b>Depth:</b>				<b>Method Details:</b>	
<b>Customer Acct Name:</b>	PIPELINE HIT 1/2"				
<b>Incident Address:</b>	940 EVE ST.,OTTAWA,ON,K1K 3R4,CA				
<b>Operation Type:</b>					
<b>Pipeline Type:</b>					
<b>Regulator Type:</b>					
<b>Summary:</b>					
<b>Reported By:</b>					
<b>Affiliation:</b>					
<b>Occurrence Desc:</b>					
<b>Damage Reason:</b>					
<b>Notes:</b>					

[25](#) 1 of 1 WSW/219.6 63.6 / 3.38 Yvon Leo Cayer 5 Quill St Ottawa ON K1L 8E7 ECA

**Approval No:** 8346-9FTSXG **MOE District:**  
**Approval Date:** 2014-02-12 **City:**  
**Status:** Approved **Longitude:**  
**Record Type:** ECA **Latitude:**  
**Link Source:** IDS **Geometry X:**  
**SWP Area Name:** **Geometry Y:**  
**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Business Name:** Yvon Leo Cayer  
**Address:** 5 Quill St  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/9105-9FEQL7-14.pdf>  
**PDF Site Location:**

[26](#) 1 of 2 ENE/220.2 59.9 / -0.31 971 LOLA STREET lot 49 Ottawa ON WWIS

**Well ID:** 7134492 **Flowing (Y/N):**  
**Construction Date:** **Flow Rate:**  
**Use 1st:** **Data Entry Status:**  
**Use 2nd:** **Data Src:**  
**Final Well Status:** Abandoned-Other **Date Received:** 11/19/2009  
**Water Type:** **Selected Flag:** TRUE  
**Casing Material:** **Abandonment Rec:** Yes  
**Audit No:** Z106947 **Contractor:** 6964  
**Tag:** A080419 **Form Version:** 7  
**Constructn Method:** **Owner:**  
**Elevation (m):** **County:** OTTAWA-CARLETON  
**Elevatn Reliabilty:** **Lot:** 049  
**Depth to Bedrock:** **Concession:**  
**Well Depth:** **Concession Name:**  
**Overburden/Bedrock:** **Easting NAD83:**  
**Pump Rate:** **Northing NAD83:**  
**Static Water Level:** **Zone:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Clear/Cloudy:</b> <b>Municipality:</b> <b>Site Info:</b>		OTTAWA CITY		<b>UTM Reliability:</b>	
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b> <b>DP2BR:</b> <b>Spatial Status:</b> <b>Code OB:</b> <b>Code OB Desc:</b> <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> <b>Remarks:</b> <b>Loc Method Desc:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>	1002835193			<b>Elevation:</b> <b>Elevrc:</b> <b>Zone:</b> <b>East83:</b> <b>North83:</b> <b>Org CS:</b> <b>UTMRC:</b> <b>UTMRC Desc:</b> <b>Location Method:</b>	UTM83 9 unknown UTM wwr
	10/13/2009	on Water Well Record			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b> <b>Layer:</b> <b>Plug From:</b> <b>Plug To:</b> <b>Plug Depth UOM:</b>		1003024284 1 0.0 5.0 m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b> <b>Method Construction Code:</b> <b>Method Construction:</b> <b>Other Method Construction:</b>		1003024288			
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b> <b>Casing No:</b> <b>Comment:</b> <b>Alt Name:</b>		1003024281 0			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b> <b>Layer:</b> <b>Material:</b> <b>Open Hole or Material:</b> <b>Depth From:</b> <b>Depth To:</b> <b>Casing Diameter:</b> <b>Casing Diameter UOM:</b> <b>Casing Depth UOM:</b>		1003024286			
					cm m
<b><u>Construction Record - Screen</u></b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Screen ID:		1003024287			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1003024285			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1003024283			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<hr/>					
<a href="#">26</a>	2 of 2	<b>ENE/220.2</b>	<b>59.9 / -0.31</b>	<b>971 LOLA STREET OTTAWA ON K1K 3P4</b>	<b>HINC</b>
External File Num:		FS INC 0903-01408			
Fuel Occurrence Type:		Leak			
Date of Occurrence:		3/17/2009			
Fuel Type Involved:		Fuel Oil			
Status Desc:		Completed - Causal Analysis(End)			
Job Type Desc:		Incident/Near-Miss Occurrence (FS)			
Oper. Type Involved:		Private Dwelling			
Service Interruptions:		No			
Property Damage:		No			
Fuel Life Cycle Stage:		Utilization			
Root Cause:		Root Cause: Equipment/Material/Component:Yes Procedures:No Maintenance:No Design:Yes Training: No Management:No Human Factors:No			
Reported Details:					
Fuel Category:		Liquid Fuel			
Occurrence Type:		Incident			
Affiliation:		Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)			
County Name:		Ottawa			
Approx. Quant. Rel:		0			
Nearby body of water:		No			
Enter Drainage Syst.:		No			
Approx. Quant. Unit:		Liters			
Environmental Impact:					
<hr/>					
<a href="#">27</a>	1 of 1	<b>ENE/220.4</b>	<b>59.9 / -0.31</b>	<b>971 LOLA ST. Ottawa ON</b>	<b>WWIS</b>
Well ID:		7122754		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Monitoring and Test Hole		Data Entry Status:	
Use 2nd:		0		Data Src:	
Final Well Status:		Monitoring and Test Hole		Date Received:	05/07/2009

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> Z096601 <b>Tag:</b> A080423 <b>Constructn Method:</b> <b>Elevation (m):</b> <b>Elevatn Reliabilty:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Clear/Cloudy:</b> <b>Municipality:</b> OTTAWA CITY <b>Site Info:</b>				<b>Selected Flag:</b> TRUE <b>Abandonment Rec:</b> <b>Contractor:</b> 7241 <b>Form Version:</b> 7 <b>Owner:</b> <b>County:</b> OTTAWA-CARLETON <b>Lot:</b> <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	
<b>PDF URL (Map):</b>		<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122754.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122754.pdf</a>			
<b><u>Additional Detail(s) (Map)</u></b>					
<b>Well Completed Date:</b>		04/07/2009			
<b>Year Completed:</b>		2009			
<b>Depth (m):</b>		4.27			
<b>Latitude:</b>		45.4287583309863			
<b>Longitude:</b>		-75.6527176805797			
<b>Path:</b>		712\7122754.pdf			
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>		1002422224		<b>Elevation:</b>	
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b> 18	
<b>Code OB:</b>				<b>East83:</b> 448941.00	
<b>Code OB Desc:</b>				<b>North83:</b> 5030789.00	
<b>Open Hole:</b>				<b>Org CS:</b> UTM83	
<b>Cluster Kind:</b>				<b>UTMRC:</b> 4	
<b>Date Completed:</b>		04/07/2009		<b>UTMRC Desc:</b> margin of error : 30 m - 100 m	
<b>Remarks:</b>				<b>Location Method:</b> wwr	
<b>Loc Method Desc:</b>		on Water Well Record			
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1002550459			
<b>Layer:</b>		4			
<b>Color:</b>		8			
<b>General Color:</b>		BLACK			
<b>Mat1:</b>		17			
<b>Most Common Material:</b>		SHALE			
<b>Mat2:</b>		06			
<b>Mat2 Desc:</b>		SILT			
<b>Mat3:</b>		28			
<b>Mat3 Desc:</b>		SAND			
<b>Formation Top Depth:</b>		3.3499999046325684			
<b>Formation End Depth:</b>		4.269999980926514			
<b>Formation End Depth UOM:</b>		m			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
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**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 1002550456  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 01  
**Most Common Material:** FILL  
**Mat2:** 11  
**Mat2 Desc:** GRAVEL  
**Mat3:** 77  
**Mat3 Desc:** LOOSE  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 0.6100000143051147  
**Formation End Depth UOM:** m

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 1002550457  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:** 06  
**Mat2 Desc:** SILT  
**Mat3:** 85  
**Mat3 Desc:** SOFT  
**Formation Top Depth:** 0.6100000143051147  
**Formation End Depth:** 1.5  
**Formation End Depth UOM:** m

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 1002550458  
**Layer:** 3  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 06  
**Mat2 Desc:** SILT  
**Mat3:** 66  
**Mat3 Desc:** DENSE  
**Formation Top Depth:** 1.5  
**Formation End Depth:** 3.3499999046325684  
**Formation End Depth UOM:** m

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 1002550462  
**Layer:** 2  
**Plug From:** 0.30000001192092896  
**Plug To:** 0.9100000262260437  
**Plug Depth UOM:** m

**Annular Space/Abandonment  
Sealing Record**



<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>
<b>Plug ID:</b>		1002550463			
<b>Layer:</b>		3			
<b>Plug From:</b>		0.9100000262260437			
<b>Plug To:</b>		4.269999980926514			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1002550461			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		0.30000001192092896			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1002550469			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1002550455			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1002550465			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		1.2200000286102295			
<b>Casing Diameter:</b>		4.03000020980835			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1002550466			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		1.2200000286102295			
<b>Screen End Depth:</b>		4.269999980926514			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		4.820000171661377			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1002550464			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		m			
<b>Hole Diameter</b>					
<b>Hole ID:</b>		1002550460			
<b>Diameter:</b>		8.25			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		4.269999980926514			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			
<b>Links</b>					
<b>Bore Hole ID:</b>		1002422224		<b>Tag No:</b> A080423	
<b>Depth M:</b>		4.27		<b>Contractor:</b> 7241	
<b>Year Completed:</b>		2009		<b>Latitude:</b> 45.4287583309863	
<b>Well Completed Dt:</b>		04/07/2009		<b>Longitude:</b> -75.6527176805797	
<b>Audit No:</b>		Z096601		<b>Y:</b> 45.42875832415441	
<b>Path:</b>		712\7122754.pdf		<b>X:</b> -75.65271751858545	

<a href="#">28</a>	1 of 1	<b>ENE/221.0</b>	<b>59.9 / -0.31</b>	<b>971 LOLA ST. Ottawa ON</b>	<b>WWIS</b>
<b>Well ID:</b>		7122756		<b>Flowing (Y/N):</b>	
<b>Construction Date:</b>				<b>Flow Rate:</b>	
<b>Use 1st:</b>		Monitoring and Test Hole		<b>Data Entry Status:</b>	
<b>Use 2nd:</b>		0		<b>Data Src:</b>	
<b>Final Well Status:</b>		Monitoring and Test Hole		<b>Date Received:</b> 05/07/2009	
<b>Water Type:</b>				<b>Selected Flag:</b> TRUE	
<b>Casing Material:</b>				<b>Abandonment Rec:</b>	
<b>Audit No:</b>		Z096598		<b>Contractor:</b> 7241	
<b>Tag:</b>		A080419		<b>Form Version:</b> 7	
<b>Constructn Method:</b>				<b>Owner:</b>	
<b>Elevation (m):</b>				<b>County:</b> OTTAWA-CARLETON	
<b>Elevatn Reliabilty:</b>				<b>Lot:</b>	
<b>Depth to Bedrock:</b>				<b>Concession:</b>	
<b>Well Depth:</b>				<b>Concession Name:</b>	
<b>Overburden/Bedrock:</b>				<b>Easting NAD83:</b>	
<b>Pump Rate:</b>				<b>Northing NAD83:</b>	
<b>Static Water Level:</b>				<b>Zone:</b>	
<b>Clear/Cloudy:</b>				<b>UTM Reliability:</b>	
<b>Municipality:</b>		OTTAWA CITY			
<b>Site Info:</b>					
<b>PDF URL (Map):</b>		<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122756.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122756.pdf</a>			

**Additional Detail(s) (Map)**

<b>Well Completed Date:</b>	04/07/2009
<b>Year Completed:</b>	2009
<b>Depth (m):</b>	4.27
<b>Latitude:</b>	45.4285971955079
<b>Longitude:</b>	-75.6525624205067
<b>Path:</b>	712\7122756.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	1002422230	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	448953.00

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Code OB Desc:</b>				<b>North83:</b>	5030771.00
<b>Open Hole:</b>				<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	04/07/2009			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	wwr
<b>Loc Method Desc:</b>		on Water Well Record			
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 1002550572  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 01  
**Most Common Material:** FILL  
**Mat2:** 11  
**Mat2 Desc:** GRAVEL  
**Mat3:** 77  
**Mat3 Desc:** LOOSE  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 0.6100000143051147  
**Formation End Depth UOM:** m

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 1002550575  
**Layer:** 4  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 06  
**Most Common Material:** SILT  
**Mat2:** 17  
**Mat2 Desc:** SHALE  
**Mat3:** 91  
**Mat3 Desc:** WATER-BEARING  
**Formation Top Depth:** 3.0999999046325684  
**Formation End Depth:** 4.269999980926514  
**Formation End Depth UOM:** m

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 1002550574  
**Layer:** 3  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 06  
**Most Common Material:** SILT  
**Mat2:** 17  
**Mat2 Desc:** SHALE  
**Mat3:** 92  
**Mat3 Desc:** WEATHERED  
**Formation Top Depth:** 2.440000057220459  
**Formation End Depth:** 3.0999999046325684  
**Formation End Depth UOM:** m



<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>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1002550573			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>		05			
<b>Mat2 Desc:</b>		CLAY			
<b>Mat3:</b>		85			
<b>Mat3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		0.6100000143051147			
<b>Formation End Depth:</b>		2.440000057220459			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1002550578			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.9100000262260437			
<b>Plug To:</b>		4.269999980926514			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1002550577			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		0.9100000262260437			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1002550584			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1002550571			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1002550580			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		1.2200000286102295			
<b>Casing Diameter:</b>		4.03000020980835			
<b>Casing Diameter UOM:</b>		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>	1002550581				
<b>Layer:</b>	1				
<b>Slot:</b>	10				
<b>Screen Top Depth:</b>	1.2200000286102295				
<b>Screen End Depth:</b>	4.269999980926514				
<b>Screen Material:</b>	5				
<b>Screen Depth UOM:</b>	m				
<b>Screen Diameter UOM:</b>	cm				
<b>Screen Diameter:</b>	4.820000171661377				
<b><u>Water Details</u></b>					
<b>Water ID:</b>	1002550579				
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>	m				
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>	1002550576				
<b>Diameter:</b>	8.25				
<b>Depth From:</b>	0.0				
<b>Depth To:</b>	4.269999980926514				
<b>Hole Depth UOM:</b>	m				
<b>Hole Diameter UOM:</b>	cm				
<b><u>Links</u></b>					
<b>Bore Hole ID:</b>	1002422230			<b>Tag No:</b>	A080419
<b>Depth M:</b>	4.27			<b>Contractor:</b>	7241
<b>Year Completed:</b>	2009			<b>Latitude:</b>	45.4285971955079
<b>Well Completed Dt:</b>	04/07/2009			<b>Longitude:</b>	-75.6525624205067
<b>Audit No:</b>	Z096598			<b>Y:</b>	45.4285971889014
<b>Path:</b>	712\7122756.pdf			<b>X:</b>	-75.65256225922681

**29**      1 of 4      **NNE/226.4**      **58.9 / -1.31**      **ENBRIDGE GAS INC**  
**337 SPARTAN AVE,,OTTAWA,ON,K1K 1J6,CA**      **PINC**  
**ON**

<b>Incident Id:</b>		<b>Pipe Material:</b>	
<b>Incident No:</b>	3095146	<b>Fuel Category:</b>	
<b>Incident Reported Dt:</b>	8/18/2021	<b>Health Impact:</b>	
<b>Type:</b>	FS-Pipeline Incident	<b>Environment Impact:</b>	
<b>Status Code:</b>		<b>Property Damage:</b>	
<b>Tank Status:</b>	Pipeline Damage Reason Est	<b>Service Interrupt:</b>	
<b>Task No:</b>		<b>Enforce Policy:</b>	
<b>Spills Action Centre:</b>		<b>Public Relation:</b>	
<b>Fuel Type:</b>		<b>Pipeline System:</b>	
<b>Fuel Occurrence Tp:</b>		<b>PSIG:</b>	
<b>Date of Occurrence:</b>		<b>Attribute Category:</b>	
<b>Occurrence Start Dt:</b>		<b>Regulator Location:</b>	
<b>Depth:</b>		<b>Method Details:</b>	
<b>Customer Acct Name:</b>	ENBRIDGE GAS INC		
<b>Incident Address:</b>	337 SPARTAN AVE,,OTTAWA,ON,K1K 1J6,CA		
<b>Operation Type:</b>			
<b>Pipeline Type:</b>			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Regulator Type:  
 Summary:  
 Reported By:  
 Affiliation:  
 Occurrence Desc:  
 Damage Reason:  
 Notes:

<a href="#">29</a>	2 of 4	NNE/226.4	58.9 / -1.31	ENBRIDGE GAS INC 337 SPARTAN AVE,,OTTAWA,ON,K1K 1J6,CA ON	PINC
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**Incident Id:**  
**Incident No:** 3093230  
**Incident Reported Dt:** 8/12/2021  
**Type:** FS-Pipeline Incident  
**Status Code:**  
**Tank Status:** Pipeline Damage Reason Est  
**Task No:**  
**Spills Action Centre:**  
**Fuel Type:**  
**Fuel Occurrence Tp:**  
**Date of Occurrence:**  
**Occurrence Start Dt:**  
**Depth:**  
**Customer Acct Name:** ENBRIDGE GAS INC  
**Incident Address:** 337 SPARTAN AVE,,OTTAWA,ON,K1K 1J6,CA  
**Operation Type:**  
**Pipeline Type:**  
**Regulator Type:**  
**Summary:**  
**Reported By:**  
**Affiliation:**  
**Occurrence Desc:**  
**Damage Reason:**  
**Notes:**

**Pipe Material:**  
**Fuel Category:**  
**Health Impact:**  
**Environment Impact:**  
**Property Damage:**  
**Service Interrupt:**  
**Enforce Policy:**  
**Public Relation:**  
**Pipeline System:**  
**PSIG:**  
**Attribute Category:**  
**Regulator Location:**  
**Method Details:**

<a href="#">29</a>	3 of 4	NNE/226.4	58.9 / -1.31	337 Spartan Ave. Ottawa OTTAWA ON	SPL
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**Ref No:** 1-13M130  
**Year:**  
**Incident Dt:** 8/17/2021 11:58:00 AM  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 8/17/2021 12:31:20 PM  
**Dt Document Closed:** 11/9/2021 9:24:31 PM  
**Site No:**  
**MOE Response:** Desktop Response  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Site District Office:** Ottawa District Office  
**Nearest Watercourse:**  
**Site Name:**  
**Site Address:** 337 Spartan Ave. Ottawa  
**Site Region:**  
**Site Municipality:** OTTAWA  
**Site Lot:**  
**Site Conc:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**Northing:**  
**Easting:**

**Municipality No:**  
**Nature of Damage:**  
**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:** 0 No Impact  
**Agency Involved:**



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Incident Cause:</b> <b>Incident Event:</b> Line Strike <b>Environment Impact:</b> 1 Minor Impact <b>Nature of Impact:</b> <b>Contaminant Qty:</b> 0 other - see notes <b>System Facility Address:</b> <b>Client Name:</b> ENBRIDGE CONSUMERS GAS <b>Client Type:</b> Private Business <b>Source Type:</b> Pipeline/Components <b>Contaminant Code:</b> <b>Contaminant Name:</b> NATURAL GAS <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Receiving Medium:</b> Air <b>Incident Reason:</b> <b>Incident Summary:</b> Enbridge Gas: 1/2" plastic IP service line damaged; made safe <b>Activity Preceding Spill:</b> Construction or repair <b>Property 2nd Watershed:</b> Lower Ottawa <b>Property Tertiary Watershed:</b> 02LA-Rideau <b>Sector Type:</b> NATURAL GAS DISTRIBUTION <b>SAC Action Class:</b> <b>Call Report Locatn Geodata:</b> {"integration_ids":["PR00003987056"],"wkts":["POINT (-75.6540042000 45.4296980000)"],"creation_date":"2021-08-17"}					

[29](#)

4 of 4

NNE/226.4

58.9 / -1.31

337 Spartan Ave, Ottawa, ON  
OTTAWA ON

SPL

<b>Ref No:</b>	1-136A7V	<b>Municipality No:</b>	
<b>Year:</b>		<b>Nature of Damage:</b>	
<b>Incident Dt:</b>	8/12/2021 11:58:45 AM	<b>Discharger Report:</b>	
<b>Dt MOE Arvl on Scn:</b>		<b>Material Group:</b>	
<b>MOE Reported Dt:</b>	8/12/2021 1:55:39 PM	<b>Health/Env Conseq:</b>	0 No Impact
<b>Dt Document Closed:</b>	11/9/2021 9:00:20 PM	<b>Agency Involved:</b>	
<b>Site No:</b>			
<b>MOE Response:</b>	Desktop Response		
<b>Site County/District:</b>			
<b>Site Geo Ref Meth:</b>			
<b>Site District Office:</b>	Ottawa District Office		
<b>Nearest Watercourse:</b>			
<b>Site Name:</b>			
<b>Site Address:</b>	337 Spartan Ave, Ottawa, ON		
<b>Site Region:</b>			
<b>Site Municipality:</b>	OTTAWA		
<b>Site Lot:</b>			
<b>Site Conc:</b>			
<b>Site Geo Ref Accu:</b>			
<b>Site Map Datum:</b>			
<b>Northing:</b>			
<b>Easting:</b>			
<b>Incident Cause:</b>			
<b>Incident Event:</b>	Line Strike		
<b>Environment Impact:</b>	1 Minor Impact		
<b>Nature of Impact:</b>			
<b>Contaminant Qty:</b>	0 other - see notes		
<b>System Facility Address:</b>			
<b>Client Name:</b>	ENBRIDGE CONSUMERS GAS		
<b>Client Type:</b>	Private Business		
<b>Source Type:</b>	Pipeline/Components		
<b>Contaminant Code:</b>			
<b>Contaminant Name:</b>	NATURAL GAS		
<b>Contaminant Limit 1:</b>			
<b>Contam Limit Freq 1:</b>			
<b>Contaminant UN No 1:</b>			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Receiving Medium:</b> <b>Incident Reason:</b> <b>Incident Summary:</b> <b>Activity Preceding Spill:</b> <b>Property 2nd Watershed:</b> <b>Property Tertiary Watershed:</b> <b>Sector Type:</b> <b>SAC Action Class:</b> <b>Call Report Locatn Geodata:</b>		Air Human error (Specify) TSSA FSB: ½" pl IP service line strike made safe Construction or repair Lower Ottawa 02LA-Rideau NATURAL GAS DISTRIBUTION			
		{"integration_ids":["PR00003987056"],"wks":["POINT (-75.6540042000 45.4296980000)"],"creation_date":"2021-08-12"}			

<a href="#">30</a>	1 of 1	<b>ENE/227.9</b>	<b>59.9 / -0.31</b>	<b>971 LOLA ST. Ottawa ON</b>	<b>WWIS</b>
<b>Well ID:</b>	7122751			<b>Flowing (Y/N):</b>	
<b>Construction Date:</b>				<b>Flow Rate:</b>	
<b>Use 1st:</b>	Monitoring and Test Hole			<b>Data Entry Status:</b>	
<b>Use 2nd:</b>	0			<b>Data Src:</b>	
<b>Final Well Status:</b>	Monitoring and Test Hole			<b>Date Received:</b>	05/07/2009
<b>Water Type:</b>				<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>				<b>Abandonment Rec:</b>	
<b>Audit No:</b>	Z096588			<b>Contractor:</b>	7241
<b>Tag:</b>	A080417			<b>Form Version:</b>	7
<b>Constructn Method:</b>				<b>Owner:</b>	OTTAWA-CARLETON
<b>Elevation (m):</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliabilty:</b>				<b>Lot:</b>	
<b>Depth to Bedrock:</b>				<b>Concession:</b>	
<b>Well Depth:</b>				<b>Concession Name:</b>	
<b>Overburden/Bedrock:</b>				<b>Easting NAD83:</b>	
<b>Pump Rate:</b>				<b>Northing NAD83:</b>	
<b>Static Water Level:</b>				<b>Zone:</b>	
<b>Clear/Cloudy:</b>				<b>UTM Reliability:</b>	
<b>Municipality:</b>	OTTAWA CITY				
<b>Site Info:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/712\7122751.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122751.pdf)

**Additional Detail(s) (Map)**

**Well Completed Date:** 04/07/2009  
**Year Completed:** 2009  
**Depth (m):** 4.27  
**Latitude:** 45.4287321324341  
**Longitude:** -75.6525767590291  
**Path:** 712\7122751.pdf

**Bore Hole Information**

<b>Bore Hole ID:</b>	1002422215	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	448952.00
<b>Code OB Desc:</b>		<b>North83:</b>	5030786.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	04/07/2009	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Loc Method Desc:</b>	on Water Well Record		
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1002550167			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>		06			
<b>Mat2 Desc:</b>		SILT			
<b>Mat3:</b>		85			
<b>Mat3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		0.6100000143051147			
<b>Formation End Depth:</b>		1.5			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1002550169			
<b>Layer:</b>		4			
<b>Color:</b>		8			
<b>General Color:</b>		BLACK			
<b>Mat1:</b>		17			
<b>Most Common Material:</b>		SHALE			
<b>Mat2:</b>		28			
<b>Mat2 Desc:</b>		SAND			
<b>Mat3:</b>		92			
<b>Mat3 Desc:</b>		WEATHERED			
<b>Formation Top Depth:</b>		3.3499999046325684			
<b>Formation End Depth:</b>		4.269999980926514			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1002550168			
<b>Layer:</b>		3			
<b>Color:</b>		8			
<b>General Color:</b>		BLACK			
<b>Mat1:</b>		17			
<b>Most Common Material:</b>		SHALE			
<b>Mat2:</b>		28			
<b>Mat2 Desc:</b>		SAND			
<b>Mat3:</b>		11			
<b>Mat3 Desc:</b>		GRAVEL			
<b>Formation Top Depth:</b>		1.5			
<b>Formation End Depth:</b>		3.3499999046325684			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1002550166			
<b>Layer:</b>		1			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		11			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Most Common Material:</b>		GRAVEL			
<b>Mat2:</b>		28			
<b>Mat2 Desc:</b>		SAND			
<b>Mat3:</b>		85			
<b>Mat3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		0.6100000143051147			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1002550171			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		0.3100000023841858			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1002550177			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1002550165			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1002550173			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		1.2200000286102295			
<b>Casing Diameter:</b>		4.03000020980835			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1002550174			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		1.2200000286102295			
<b>Screen End Depth:</b>		4.269999980926514			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		4.820000171661377			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1002550172			
<b>Layer:</b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b> m					
<b>Hole Diameter</b>					
<b>Hole ID:</b> 1002550170					
<b>Diameter:</b> 8.25					
<b>Depth From:</b> 0.0					
<b>Depth To:</b> 4.269999980926514					
<b>Hole Depth UOM:</b> m					
<b>Hole Diameter UOM:</b> cm					
<b>Links</b>					
<b>Bore Hole ID:</b> 1002422215		<b>Tag No:</b> A080417			
<b>Depth M:</b> 4.27		<b>Contractor:</b> 7241			
<b>Year Completed:</b> 2009		<b>Latitude:</b> 45.4287321324341			
<b>Well Completed Dt:</b> 04/07/2009		<b>Longitude:</b> -75.6525767590291			
<b>Audit No:</b> Z096588		<b>Y:</b> 45.42873212521804			
<b>Path:</b> 712\7122751.pdf		<b>X:</b> -75.65257659722084			

[31](#) 1 of 1 E/234.1 60.9 / 0.69 ON BORE

<b>Borehole ID:</b>	613532	<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215514794	<b>SP Status:</b>	Initial Entry
<b>Status:</b>		<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole	<b>Piezometer:</b>	No
<b>Use:</b>		<b>Primary Name:</b>	
<b>Completion Date:</b>		<b>Municipality:</b>	
<b>Static Water Level:</b>		<b>Lot:</b>	
<b>Primary Water Use:</b>		<b>Township:</b>	
<b>Sec. Water Use:</b>		<b>Latitude DD:</b>	45.427981
<b>Total Depth m:</b>	-999	<b>Longitude DD:</b>	-75.652073
<b>Depth Ref:</b>	Ground Surface	<b>UTM Zone:</b>	18
<b>Depth Elev:</b>		<b>Easting:</b>	448991
<b>Drill Method:</b>		<b>Northing:</b>	5030702
<b>Orig Ground Elev m:</b>	61.1	<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>		<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	60.5		
<b>Concession:</b>			
<b>Location D:</b>			
<b>Survey D:</b>			
<b>Comments:</b>			

**Borehole Geology Stratum**

<b>Geology Stratum ID:</b>	218395514	<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0	<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	5.2	<b>Material Texture:</b>	
<b>Material Color:</b>		<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Clay	<b>Geologic Formation:</b>	
<b>Material 2:</b>	Sand	<b>Geologic Group:</b>	
<b>Material 3:</b>	Pebbles	<b>Geologic Period:</b>	
<b>Material 4:</b>		<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>			
<b>Stratum Description:</b>	CLAY. PLASTIC.		
<b>Geology Stratum ID:</b>	218395515	<b>Mat Consistency:</b>	
<b>Top Depth:</b>	5.2	<b>Material Moisture:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Bottom Depth:</b>				<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Bedrock			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Shale			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>		BEDROCK. ARTIFICIAL. BEDROCK. BEDROCK. 00000 005 00050 015 000000170005002100125017 **Note: Many records provided by the department have a truncated [Stratum Description] field.			

**Source**

<b>Source Type:</b>	Data Survey	<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada	<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972	<b>Scale or Res:</b>	Varies
<b>Confidence:</b>		<b>Horizontal:</b>	NAD27
<b>Observatio:</b>		<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)		
<b>Source Details:</b>	File: OTTAWA2.txt RecordID: 060400 NTS_Sheet: 31G05G		
<b>Confiden 1:</b>			

**Source List**

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

[32](#) 1 of 4 NE/236.4 58.9 / -1.31 Spartan Ave Ottawa ON K1K EHS

<b>Order No:</b>	20200709034	<b>Nearest Intersection:</b>	
<b>Status:</b>	C	<b>Municipality:</b>	
<b>Report Type:</b>	Custom Report	<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	14-JUL-20	<b>Search Radius (km):</b>	.1
<b>Date Received:</b>	09-JUL-20	<b>X:</b>	-75.6536258
<b>Previous Site Name:</b>		<b>Y:</b>	45.42950305
<b>Lot/Building Size:</b>			
<b>Additional Info Ordered:</b>	Fire Insur. Maps and/or Site Plans		

[32](#) 2 of 4 NE/236.4 58.9 / -1.31 Spartan Ave Ottawa ON K1K EHS

<b>Order No:</b>	20200709034	<b>Nearest Intersection:</b>	
<b>Status:</b>	C	<b>Municipality:</b>	
<b>Report Type:</b>	Custom Report	<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	14-JUL-20	<b>Search Radius (km):</b>	.1
<b>Date Received:</b>	09-JUL-20	<b>X:</b>	-75.6536258
<b>Previous Site Name:</b>		<b>Y:</b>	45.42950305
<b>Lot/Building Size:</b>			
<b>Additional Info Ordered:</b>	Fire Insur. Maps and/or Site Plans		

[32](#) 3 of 4 NE/236.4 58.9 / -1.31 Spartan Ave Ottawa ON K1K EHS

<b>Order No:</b>	20200709034	<b>Nearest Intersection:</b>	
<b>Status:</b>	C	<b>Municipality:</b>	
<b>Report Type:</b>	Custom Report	<b>Client Prov/State:</b>	ON

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Report Date:</b> 14-JUL-20 <b>Search Radius (km):</b> .1 <b>Date Received:</b> 09-JUL-20 <b>X:</b> -75.6536258 <b>Previous Site Name:</b> <b>Y:</b> 45.42950305 <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b> Fire Insur. Maps and/or Site Plans					
<a href="#">32</a>	4 of 4	NE/236.4	58.9 / -1.31	Spartan Ave Ottawa ON K1K	EHS
<b>Order No:</b> 20200709034 <b>Nearest Intersection:</b> <b>Status:</b> C <b>Municipality:</b> <b>Report Type:</b> Custom Report <b>Client Prov/State:</b> ON <b>Report Date:</b> 14-JUL-20 <b>Search Radius (km):</b> .1 <b>Date Received:</b> 09-JUL-20 <b>X:</b> -75.6536258 <b>Previous Site Name:</b> <b>Y:</b> 45.42950305 <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b> Fire Insur. Maps and/or Site Plans					
<a href="#">33</a>	1 of 7	SSW/239.9	61.9 / 1.69	33 Quill Street Ottawa ON K1K 4E7	EHS
<b>Order No:</b> 20090814133 <b>Nearest Intersection:</b> <b>Status:</b> C <b>Municipality:</b> <b>Report Type:</b> Standard Report <b>Client Prov/State:</b> ON <b>Report Date:</b> 8/25/2009 <b>Search Radius (km):</b> 0.25 <b>Date Received:</b> 8/14/2009 <b>X:</b> -75.656124 <b>Previous Site Name:</b> <b>Y:</b> 45.42523 <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b> Fire Insur. Maps and/or Site Plans					
<a href="#">33</a>	2 of 7	SSW/239.9	61.9 / 1.69	City of Ottawa 33 Quill Street Ottawa ON K1K 4E7	GEN
<b>Generator No:</b> ON8121710 <b>SIC Code:</b> 236220 <b>SIC Description:</b> Commercial and Institutional Building Construction <b>Approval Years:</b> 2010 <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>					
<b>Detail(s)</b>					
<b>Waste Class:</b> 221 <b>Waste Class Name:</b> LIGHT FUELS					
<a href="#">33</a>	3 of 7	SSW/239.9	61.9 / 1.69	City of Ottawa 33 Quill Street Ottawa ON K1K 4E7	GEN
<b>Generator No:</b> ON8121710 <b>SIC Code:</b> 236220 <b>SIC Description:</b> Commercial and Institutional Building Construction					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		2011			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		221			
<b>Waste Class Name:</b>		LIGHT FUELS			
<a href="#">33</a>	4 of 7	SSW/239.9	61.9 / 1.69	City of Ottawa 33 Quill Street Ottawa ON K1K 4E7	GEN
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON8121710 236220 Commercial and Institutional Building Construction 2012			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		221			
<b>Waste Class Name:</b>		LIGHT FUELS			
<a href="#">33</a>	5 of 7	SSW/239.9	61.9 / 1.69	City of Ottawa 33 Quill Street Ottawa ON	GEN
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON8121710 236220 COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION 2013			
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b>		221			
<b>Waste Class Name:</b>		LIGHT FUELS			
<a href="#">33</a>	6 of 7	SSW/239.9	61.9 / 1.69	City of Ottawa 33 Quill Street	GEN



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Ottawa ON K1K 4E7

**Generator No:** ON8121710  
**SIC Code:** 236220  
**SIC Description:** COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION  
**Approval Years:** 2015  
**PO Box No:**  
**Country:** Canada  
**Status:**  
**Co Admin:** Sue Petrovic  
**Choice of Contact:** CO\_ADMIN  
**Phone No Admin:** 613.580.2424 Ext.21517  
**Contaminated Facility:** No  
**MHSW Facility:** No

Detail(s)

**Waste Class:** 221  
**Waste Class Name:** LIGHT FUELS

<a href="#">33</a>	7 of 7	SSW/239.9	61.9 / 1.69	City of Ottawa 33 Quill Street Ottawa ON K1K 4E7	GEN
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**Generator No:** ON8121710  
**SIC Code:** 236220  
**SIC Description:** COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION  
**Approval Years:** 2014  
**PO Box No:**  
**Country:** Canada  
**Status:**  
**Co Admin:**  
**Choice of Contact:** CO\_OFFICIAL  
**Phone No Admin:**  
**Contaminated Facility:** No  
**MHSW Facility:** No

Detail(s)

**Waste Class:** 221  
**Waste Class Name:** LIGHT FUELS

<a href="#">34</a>	1 of 5	WNW/240.1	62.4 / 2.24	OTTAWA BOARD OF EDUCATION ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	GEN
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**Generator No:** ON0375220  
**SIC Code:** 8511  
**SIC Description:** ELEMNT./SECON. EDUC.  
**Approval Years:** 86,87,88,89  
**PO Box No:**  
**Country:**  
**Status:**  
**Co Admin:**  
**Choice of Contact:**  
**Phone No Admin:**  
**Contaminated Facility:**  
**MHSW Facility:**

Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Waste Class:</b>		148			
<b>Waste Class Name:</b>		INORGANIC LABORATORY CHEMICALS			
<b>Waste Class:</b>		263			
<b>Waste Class Name:</b>		ORGANIC LABORATORY CHEMICALS			
<a href="#">34</a>	2 of 5	WNW/240.1	62.4 / 2.24	OTTAWA (SEE&USE ON1285701) ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	GEN
<b>Generator No:</b>		ON0375220			
<b>SIC Code:</b>		8511			
<b>SIC Description:</b>		ELEMT./SECON. EDUC.			
<b>Approval Years:</b>		90			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<a href="#">34</a>	3 of 5	WNW/240.1	62.4 / 2.24	OTTAWA (SEE&USE ON1285701) 29-129 ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	GEN
<b>Generator No:</b>		ON0375220			
<b>SIC Code:</b>		8511			
<b>SIC Description:</b>		ELEMT./SECON. EDUC.			
<b>Approval Years:</b>		92,93,94,95,96,97			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<a href="#">34</a>	4 of 5	WNW/240.1	62.4 / 2.24	OTTAWA (SEE&USE ON1285701) ECOLE S. CARTIER 255 RUE DONALD OTTAWA ON K1K 1N1	GEN
<b>Generator No:</b>		ON0375220			
<b>SIC Code:</b>		8511			
<b>SIC Description:</b>		ELEMT./SECON. EDUC.			
<b>Approval Years:</b>		98			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					
<a href="#">34</a>	5 of 5	WNW/240.1	62.4 / 2.24	OPTIONS BYTOWN NON-PROFIT HOUSING CORPORATION 255 DONALD STREET	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>OTTAWA ON</b>					
<b>Generator No:</b>		ON4145632			
<b>SIC Code:</b>		531310			
<b>SIC Description:</b>		Real Estate Property Managers			
<b>Approval Years:</b>		2012			
<b>PO Box No:</b>					
<b>Country:</b>					
<b>Status:</b>					
<b>Co Admin:</b>					
<b>Choice of Contact:</b>					
<b>Phone No Admin:</b>					
<b>Contaminated Facility:</b>					
<b>MHSW Facility:</b>					

<b>35</b>	1 of 2	<b>ENE/243.9</b>	<b>59.9 / -0.31</b>	<b>Enbridge Gas Distribution Inc. 959 Lola Street Ottawa ON</b>	<b>SPL</b>
<b>Ref No:</b>		8570-B42RR4			
<b>Year:</b>					
<b>Incident Dt:</b>		2018/08/27			
<b>Dt MOE Arvl on Scn:</b>					
<b>MOE Reported Dt:</b>		2018/08/27			
<b>Dt Document Closed:</b>					
<b>Site No:</b>		NA			
<b>MOE Response:</b>		No			
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Site District Office:</b>		Ottawa			
<b>Nearest Watercourse:</b>					
<b>Site Name:</b>		Residence<UNOFFICIAL>			
<b>Site Address:</b>		959 Lola Street			
<b>Site Region:</b>		Eastern			
<b>Site Municipality:</b>		Ottawa			
<b>Site Lot:</b>					
<b>Site Conc:</b>					
<b>Site Geo Ref Accu:</b>					
<b>Site Map Datum:</b>					
<b>Northing:</b>					
<b>Easting:</b>					
<b>Incident Cause:</b>					
<b>Incident Event:</b>		Leak/Break			
<b>Environment Impact:</b>					
<b>Nature of Impact:</b>					
<b>Contaminant Qty:</b>		0 other - see incident description			
<b>System Facility Address:</b>					
<b>Client Name:</b>		Enbridge Gas Distribution Inc.			
<b>Client Type:</b>		Corporation			
<b>Source Type:</b>		Pipeline/Components			
<b>Contaminant Code:</b>		35			
<b>Contaminant Name:</b>		NATURAL GAS (METHANE)			
<b>Contaminant Limit 1:</b>					
<b>Contam Limit Freq 1:</b>					
<b>Contaminant UN No 1:</b>		1075			
<b>Receiving Medium:</b>		Air			
<b>Incident Reason:</b>		Operator/Human Error			
<b>Incident Summary:</b>		TSSA FSB: 1/2 inch plastic IP service line strike, made safe.			
<b>Activity Preceding Spill:</b>					
<b>Property 2nd Watershed:</b>					
<b>Property Tertiary Watershed:</b>					
<b>Sector Type:</b>		Miscellaneous Communal			
<b>SAC Action Class:</b>		TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill			
<b>Call Report Locatn Geodata:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">35</a>	2 of 2	ENE/243.9	59.9 / -0.31	PIPELINE HIT 1/2" 959 LOLA ST,,OTTAWA,ON,K1K 3P2,CA ON	PINC
<b>Incident Id:</b> <b>Incident No:</b> 2383504 <b>Incident Reported Dt:</b> 8/28/2018 <b>Type:</b> FS-Pipeline Incident <b>Status Code:</b> <b>Tank Status:</b> Pipeline Damage Reason Est <b>Task No:</b> <b>Spills Action Centre:</b> <b>Fuel Type:</b> <b>Fuel Occurrence Tp:</b> <b>Date of Occurrence:</b> <b>Occurrence Start Dt:</b> <b>Depth:</b> <b>Customer Acct Name:</b> PIPELINE HIT 1/2" <b>Incident Address:</b> 959 LOLA ST,,OTTAWA,ON,K1K 3P2,CA <b>Operation Type:</b> <b>Pipeline Type:</b> <b>Regulator Type:</b> <b>Summary:</b> <b>Reported By:</b> <b>Affiliation:</b> <b>Occurrence Desc:</b> <b>Damage Reason:</b> <b>Notes:</b>		<b>Pipe Material:</b> <b>Fuel Category:</b> <b>Health Impact:</b> <b>Environment Impact:</b> <b>Property Damage:</b> <b>Service Interrupt:</b> <b>Enforce Policy:</b> <b>Public Relation:</b> <b>Pipeline System:</b> <b>PSIG:</b> <b>Attribute Category:</b> <b>Regulator Location:</b> <b>Method Details:</b>			
<a href="#">36</a>	1 of 1	WSW/248.6	62.9 / 2.68	ON	BORE
<b>Borehole ID:</b> 613493 <b>OGF ID:</b> 215514770 <b>Status:</b> <b>Type:</b> Borehole <b>Use:</b> <b>Completion Date:</b> <b>Static Water Level:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Total Depth m:</b> -999 <b>Depth Ref:</b> Ground Surface <b>Depth Elev:</b> <b>Drill Method:</b> <b>Orig Ground Elev m:</b> 60.4 <b>Elev Reliabil Note:</b> <b>DEM Ground Elev m:</b> 58.8 <b>Concession:</b> <b>Location D:</b> <b>Survey D:</b> <b>Comments:</b>		<b>Inclin FLG:</b> No <b>SP Status:</b> Initial Entry <b>Surv Elev:</b> No <b>Piezometer:</b> No <b>Primary Name:</b> <b>Municipality:</b> <b>Lot:</b> <b>Township:</b> <b>Latitude DD:</b> 45.42615 <b>Longitude DD:</b> -75.657421 <b>UTM Zone:</b> 18 <b>Easting:</b> 448571 <b>Northing:</b> 5030502 <b>Location Accuracy:</b> <b>Accuracy:</b> Not Applicable			
<b><u>Borehole Geology Stratum</u></b>					
<b>Geology Stratum ID:</b> 218395355 <b>Top Depth:</b> .6 <b>Bottom Depth:</b> 2.4 <b>Material Color:</b> <b>Material 1:</b> Clay		<b>Mat Consistency:</b> Firm <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b>			



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>		CLAY. FIRM.		<b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	
<b>Geology Stratum ID:</b> <b>Top Depth:</b> <b>Bottom Depth:</b> <b>Material Color:</b> <b>Material 1:</b> <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>	218395354 0 .6 Gravel			<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	
<b>Geology Stratum ID:</b> <b>Top Depth:</b> <b>Bottom Depth:</b> <b>Material Color:</b> <b>Material 1:</b> <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>	218395356 2.4 Red Bedrock Shale			<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	
					BEDROCK. TURED. E. 00075 VELOCITY = 5130. BEDROCK. SEISMIC VELOCITY = 11800. UNS **Note: Many records provided by the department have a truncated [Stratum Description] field.

#### Source

<b>Source Type:</b>	Data Survey	<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada	<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972	<b>Scale or Res:</b>	Varies
<b>Confidence:</b>	M	<b>Horizontal:</b>	NAD27
<b>Observatio:</b>		<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)		
<b>Source Details:</b>	File: OTTAWA2.txt RecordID: 060010 NTS_Sheet: 31G05G		
<b>Confiden 1:</b>	Reliable information but incomplete.		

#### Source List

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

# Unplottable Summary

Total: **9** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Petro-Canada		Ottawa ON	
ECA	Petro-Canada Inc.		Ottawa ON	L6L 6N5
ECA	Humanics Universal Inc.	Part of Lot 7	Ottawa ON	K4A 1Z6
ECA	City of Ottawa	Columbus Ave From Sharp Street to Lola Street	Ottawa ON	K2G 6J8
SPL	City of Ottawa	1st manhole west of Lola Street	Ottawa ON	
SPL	PETRO-CANADA	SERVICE STATION	OTTAWA CITY ON	
WWIS		lot 7	ON	
WWIS		lot 7	ON	
WWIS		lot 8	ON	

# Unplottable Report

**Site:** Petro-Canada  
Ottawa ON

**Database:**  
CA

**Certificate #:** 5607-79YMZ8  
**Application Year:** 2008  
**Issue Date:** 2/12/2008  
**Approval Type:** Industrial Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

**Site:** Petro-Canada Inc.  
Ottawa ON L6L 6N5

**Database:**  
ECA

<b>Approval No:</b>	4810-4UMJP8	<b>MOE District:</b>
<b>Approval Date:</b>	2001-03-12	<b>City:</b>
<b>Status:</b>	Approved	<b>Longitude:</b>
<b>Record Type:</b>	ECA	<b>Latitude:</b>
<b>Link Source:</b>	IDS	<b>Geometry X:</b>
<b>SWP Area Name:</b>		<b>Geometry Y:</b>
<b>Approval Type:</b>	ECA-INDUSTRIAL SEWAGE WORKS	
<b>Project Type:</b>	INDUSTRIAL SEWAGE WORKS	
<b>Business Name:</b>	Petro-Canada Inc.	
<b>Address:</b>		
<b>Full Address:</b>		
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/7825-4UCP9D-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/7825-4UCP9D-14.pdf</a>	
<b>PDF Site Location:</b>		

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

**Database:**  
ECA

<b>Approval No:</b>	2541-AK4T53	<b>MOE District:</b>
<b>Approval Date:</b>	2017-03-30	<b>City:</b>
<b>Status:</b>	Approved	<b>Longitude:</b>
<b>Record Type:</b>	ECA	<b>Latitude:</b>
<b>Link Source:</b>	IDS	<b>Geometry X:</b>
<b>SWP Area Name:</b>		<b>Geometry Y:</b>
<b>Approval Type:</b>	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS	
<b>Project Type:</b>	MUNICIPAL AND PRIVATE SEWAGE WORKS	
<b>Business Name:</b>	Humanics Universal Inc.	
<b>Address:</b>	Part of Lot 7	
<b>Full Address:</b>		
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/6813-AA2NAF-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/6813-AA2NAF-14.pdf</a>	
<b>PDF Site Location:</b>		

**Site:** City of Ottawa  
Columbus Ave From Sharp Street to Lola Street Ottawa ON K2G 6J8

**Database:**  
ECA

<b>Approval No:</b>	4484-A6ZQU2	<b>MOE District:</b>
<b>Approval Date:</b>	2016-02-16	<b>City:</b>

**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  
**Business Name:** City of Ottawa  
**Address:** Columbus Ave From Sharp Street to Lola Street  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/0830-A6SKTG-14.pdf>  
**PDF Site Location:**

**Longitude:**  
**Latitude:**  
**Geometry X:**  
**Geometry Y:**

**Site:** City of Ottawa  
 1st manhole west of Lola Street Ottawa ON

**Database:**  
[SPL](#)

**Ref No:** 5040-9KAR2D  
**Year:**  
**Incident Dt:** 2014/05/20  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 2014/05/20  
**Dt Document Closed:** 2014/11/07  
**Site No:** NA  
**MOE Response:** Priority Field Response  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Site District Office:**  
**Nearest Watercourse:**  
**Site Name:** Storm Sewer<UNOFFICIAL>  
**Site Address:** 1st manhole west of Lola Street  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**Northing:**  
**Eastng:**  
**Incident Cause:** Unknown / N/A  
**Incident Event:**  
**Environment Impact:** Not Anticipated  
**Nature of Impact:** Other Impact(s)  
**Contaminant Qty:** 40 L  
**System Facility Address:**  
**Client Name:** City of Ottawa  
**Client Type:**  
**Source Type:**  
**Contaminant Code:** 13  
**Contaminant Name:** GAS OIL  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Receiving Medium:**  
**Incident Reason:** Unknown / N/A  
**Incident Summary:** Sheen in CB Ottawa  
**Activity Preceding Spill:**  
**Property 2nd Watershed:**  
**Property Tertiary Watershed:**  
**Sector Type:** Sewer (Private or Municipal)  
**SAC Action Class:** Watercourse Spills  
**Call Report Locatn Geodata:**

**Municipality No:**  
**Nature of Damage:**  
**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Agency Involved:**

**Site:** PETRO-CANADA  
 SERVICE STATION OTTAWA CITY ON

**Database:**  
[SPL](#)

**Ref No:** 30833  
**Year:**  
**Incident Dt:** 2/12/1990  
**Municipality No:** 20101  
**Nature of Damage:**  
**Discharger Report:**



**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 2/12/1990  
**Dt Document Closed:**  
**Site No:**  
**MOE Response:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Site District Office:**  
**Nearest Watercourse:**  
**Site Name:**  
**Site Address:**  
**Site Region:**  
**Site Municipality:** OTTAWA CITY  
**Site Lot:**  
**Site Conc:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**Northing:**  
**Easting:**  
**Incident Cause:** OTHER CONTAINER LEAK  
**Incident Event:**  
**Environment Impact:** POSSIBLE  
**Nature of Impact:** Soil contamination  
**Contaminant Qty:**  
**System Facility Address:**  
**Client Name:**  
**Client Type:**  
**Source Type:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Receiving Medium:** LAND  
**Incident Reason:** CORROSION  
**Incident Summary:** PETRO CANADA SERVICE STN.FURANCE OIL LEAK.  
**Activity Preceding Spill:**  
**Property 2nd Watershed:**  
**Property Tertiary Watershed:**  
**Sector Type:**  
**SAC Action Class:**  
**Call Report Locatn Geodata:**

**Material Group:**  
**Health/Env Conseq:**  
**Agency Involved:**

**Site:** lot 7 ON

**Database:**  
 WWIS

**Well ID:** 1525154  
**Construction Date:**  
**Use 1st:** Not Used  
**Use 2nd:**  
**Final Well Status:** Observation Wells  
**Water Type:**  
**Casing Material:**  
**Audit No:** 84367  
**Tag:**  
**Constructn Method:**  
**Elevation (m):**  
**Elevatn Reliabilty:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Clear/Cloudy:**  
**Municipality:** VANIER CITY  
**Site Info:**

**Flowing (Y/N):**  
**Flow Rate:**  
**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 11/14/1990  
**Selected Flag:** TRUE  
**Abandonment Rec:**  
**Contractor:** 5222  
**Form Version:** 1  
**Owner:**  
**County:** OTTAWA-CARLETON  
**Lot:** 007  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

<b>Bore Hole ID:</b>	10046895	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	
<b>Code OB Desc:</b>		<b>North83:</b>	
<b>Open Hole:</b>		<b>Org CS:</b>	9
<b>Cluster Kind:</b>		<b>UTMRC:</b>	unknown UTM
<b>Date Completed:</b>	08/07/1990	<b>UTMRC Desc:</b>	
<b>Remarks:</b>		<b>Location Method:</b>	na
<b>Loc Method Desc:</b>	Not Applicable i.e. no UTM		
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	931060272
<b>Layer:</b>	2
<b>Color:</b>	8
<b>General Color:</b>	BLACK
<b>Mat1:</b>	17
<b>Most Common Material:</b>	SHALE
<b>Mat2:</b>	85
<b>Mat2 Desc:</b>	SOFT
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	12.0
<b>Formation End Depth:</b>	19.0
<b>Formation End Depth UOM:</b>	ft

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	931060271
<b>Layer:</b>	1
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	28
<b>Most Common Material:</b>	SAND
<b>Mat2:</b>	01
<b>Mat2 Desc:</b>	FILL
<b>Mat3:</b>	77
<b>Mat3 Desc:</b>	LOOSE
<b>Formation Top Depth:</b>	0.0
<b>Formation End Depth:</b>	12.0
<b>Formation End Depth UOM:</b>	ft

**Annular Space/Abandonment**

**Sealing Record**

<b>Plug ID:</b>	933111093
<b>Layer:</b>	1
<b>Plug From:</b>	0.0
<b>Plug To:</b>	13.0
<b>Plug Depth UOM:</b>	ft

**Method of Construction & Well**

**Use**

<b>Method Construction ID:</b>	961525154
--------------------------------	-----------

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

**Pipe Information**

**Pipe ID:** 10595465  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930082123  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 13.0  
**Casing Diameter:** 7.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Site:** lot 7 ON

**Database:**  
**WWIS**

**Well ID:** 1524618  
**Construction Date:**  
**Use 1st:** Cooling And A/C  
**Use 2nd:**  
**Final Well Status:** Test Hole  
**Water Type:**  
**Casing Material:**  
**Audit No:** 84331  
**Tag:**  
**Constructn Method:**  
**Elevation (m):**  
**Elevatn Reliabilty:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Clear/Cloudy:**  
**Municipality:** OTTAWA CITY  
**Site Info:**

**Flowing (Y/N):**  
**Flow Rate:**  
**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 06/21/1990  
**Selected Flag:** TRUE  
**Abandonment Rec:**  
**Contractor:** 5222  
**Form Version:** 1  
**Owner:**  
**County:** OTTAWA-CARLETON  
**Lot:** 007  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10046366  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 06/13/1990  
**Remarks:**  
**Loc Method Desc:** Not Applicable i.e. no UTM  
**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:** 931058525  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:** 77  
**Mat2 Desc:** LOOSE  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 6.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931058527  
**Layer:** 3  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 85  
**Mat2 Desc:** SOFT  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 12.0  
**Formation End Depth:** 21.0  
**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  
**Mat2 Desc:** FINE SAND  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 6.0  
**Formation End Depth:** 12.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961524618  
**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:** 10.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Site:**  
lot 8 ON

**Database:**  
WWIS

**Well ID:** 1500396  
**Construction Date:**  
**Use 1st:** Domestic  
**Use 2nd:** 0  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:**  
**Tag:**  
**Constructn Method:**  
**Elevation (m):**  
**Elevatn Reliabilty:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Clear/Cloudy:**  
**Municipality:** OTTAWA CITY (GLOUCESTER)  
**Site Info:**

**Flowing (Y/N):**  
**Flow Rate:**  
**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 02/26/1948  
**Selected Flag:** TRUE  
**Abandonment Rec:**  
**Contractor:** 1107  
**Form Version:** 1  
**Owner:**  
**County:** OTTAWA-CARLETON  
**Lot:** 008  
**Concession:**  
**Concession Name:** JG  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10022441  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 10/29/1947  
**Remarks:**  
**Loc Method Desc:** Not Applicable i.e. no UTM  
**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:** 930989162  
**Layer:** 2  
**Color:**  
**General Color:**  
**Mat1:** 26  
**Most Common Material:** ROCK  
**Mat2:** 19  
**Mat2 Desc:** SLATE  
**Mat3:**  
**Mat3 Desc:**

**Formation Top Depth:** 28.0  
**Formation End Depth:** 51.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 930989161  
**Layer:** 1  
**Color:** 3  
**General Color:** BLUE  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 12  
**Mat2 Desc:** STONES  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 28.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well**  
**Use**

**Method Construction ID:** 961500396  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10571011  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930037815  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 28.0  
**Casing Diameter:** 4.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930037816  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 51.0  
**Casing Diameter:** 4.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pumping Test Method Desc:** BAILER  
**Pump Test ID:** 991500396  
**Pump Set At:**

**Static Level:** 6.0  
**Final Level After Pumping:** 6.0  
**Recommended Pump Depth:**  
**Pumping Rate:** 8.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 8.0  
**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:** No

**Water Details**

**Water ID:** 933452913  
**Layer:** 1  
**Kind Code:** 5  
**Kind:** Not stated  
**Water Found Depth:** 51.0  
**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](#)

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNR), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

**Government Publication Date: Up to Nov 2023**

### **Abandoned Mine Information System:**

Provincial

[AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

**Government Publication Date: 1800-Mar 2022**

### **Anderson's Waste Disposal Sites:**

Private

[ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

**Government Publication Date: 1860s-Present**

### **Aboveground Storage Tanks:**

Provincial

[AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

**Government Publication Date: May 31, 2014**

### **Automobile Wrecking & Supplies:**

Private

[AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

**Government Publication Date: 1999-Oct 31, 2023**

### **Borehole:**

Provincial

[BORE](#)

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

**Government Publication Date: 1875-Jul 2018**



**Certificates of Approval:**

Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

**Government Publication Date: 1985-Oct 30, 2011\***

**Dry Cleaning Facilities:**

Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

**Government Publication Date: Jan 2004-Dec 2022**

**Commercial Fuel Oil Tanks:**

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: Oct 2023**

**Chemical Manufacturers and Distributors:**

Private CHEM

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

**Government Publication Date: 1999-Jan 31, 2020**

**Chemical Register:**

Private CHM

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

**Government Publication Date: 1999-Oct 31, 2023**

**Compressed Natural Gas Stations:**

Private CNG

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

**Government Publication Date: Dec 2012 -Nov 2023**

**Inventory of Coal Gasification Plants and Coal Tar Sites:**

Provincial COAL

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

**Government Publication Date: Apr 1987 and Nov 1988\***

**Compliance and Convictions:**

Provincial CONV

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

**Government Publication Date: 1989-Jan 2024**

**Certificates of Property Use:**

Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

**Government Publication Date: 1994 - Feb 29, 2024**

**Drill Hole Database:**

Provincial [DRL](#)

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

**Government Publication Date: 1886 - Aug 2023**

**Delisted Fuel Tanks:**

Provincial [DTNK](#)

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

**Government Publication Date: Oct 2023**

**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-Feb 29, 2024**

**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 - Feb 29, 2024**

**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-Feb 29, 2024**

**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-Dec 31, 2023**

**Environmental Issues Inventory System:**

Federal [EIIS](#)

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

**Government Publication Date: 1992-2001\***

**Emergency Management Historical Event:**

Provincial **EMHE**

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

**Government Publication Date: Apr 30, 2022**

**Environmental Penalty Annual Report:**

Provincial **EPAR**

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land / water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

**Government Publication Date: Jan 1, 2011 - Dec 31, 2022**

**List of Expired Fuels Safety Facilities:**

Provincial **EXP**

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: Oct 2023**

**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-Oct 2023**

**Fisheries & Oceans Fuel Tanks:**

Federal **FOFT**

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

**Government Publication Date: 1964-Sep 2019**

**Federal Identification Registry for Storage Tank Systems (FIRSTS):**

Federal **FRST**

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

**Government Publication Date: Oct 31, 2021**

**Fuel Storage Tank:**

Provincial **FST**

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: Oct 2023**

**Fuel Storage Tank - Historic:**

Provincial

[FSTH](#)

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

**Government Publication Date: Pre-Jan 2010\***

**Ontario Regulation 347 Waste Generators Summary:**

Provincial

[GEN](#)

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

**Government Publication Date: 1986-Oct 31, 2022**

**Greenhouse Gas Emissions from Large Facilities:**

Federal

[GHG](#)

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO<sub>2</sub> eq).

**Government Publication Date: 2013-Dec 2021**

**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: 31 Oct, 2023**

**Landfill Inventory Management Ontario:**

Provincial

[LIMO](#)

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

**Government Publication Date: Mar 31, 2022**

**Canadian Mine Locations:**

Private

[MINE](#)

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

**Government Publication Date: 1998-2009\***



**Mineral Occurrences:**

Provincial [MNR](#)

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

**Government Publication Date: 1846-Feb 2024**

**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, 2022**

**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-Nov 2023**

**National Defence & Canadian Forces Waste Disposal Sites:**

Federal [NDWD](#)

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

**Government Publication Date: 2001-Apr 2007\***

**National Energy Board Pipeline Incidents:**

Federal [NEBI](#)

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

**Government Publication Date: 2008-Jun 30, 2021**

**National Energy Board Wells:**

Federal [NEBP](#)

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

**Government Publication Date: 1920-Feb 2003\***

**National Environmental Emergencies System (NEES):**

Federal

[NEES](#)

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

**Government Publication Date: 1974-2003\***

**National PCB Inventory:**

Federal

[NPCB](#)

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

**Government Publication Date: 1988-2008\***

**National Pollutant Release Inventory 1993-2020:**

Federal

[NPR2](#)

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

**Government Publication Date: Sep 2020**

**National Pollutant Release Inventory - Historic:**

Federal

[NPRI](#)

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances. This data holds historic records; current records are found in NPR2.

**Government Publication Date: 1993-May 2017**

**Oil and Gas Wells:**

Private

[OGWE](#)

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

**Government Publication Date: 1988-Feb 29, 2024**

**Ontario Oil and Gas Wells:**

Provincial

[OOGW](#)

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

**Government Publication Date: 1800-Aug 2023**

**Inventory of PCB Storage Sites:**

Provincial

[OPCB](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

**Government Publication Date: 1987-Oct 2004; 2012-Dec 2013**

**Orders:**

Provincial

[ORD](#)

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

**Government Publication Date: 1994 - Feb 29, 2024**

**Canadian Pulp and Paper:**

Private

PAP

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

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

**Parks Canada Fuel Storage Tanks:**

Federal

PCFT

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

**Government Publication Date: 1920-Jan 2005\***

**Pesticide Register:**

Provincial

PES

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

**Government Publication Date: Oct 2011-Feb 29, 2024**

**NPRI Reporters - PFAS Substances:**

Federal

PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per- and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

**Government Publication Date: Sep 2020**

**Potential PFAS Handlers from NPRI:**

Federal

PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per- and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

**Government Publication Date: Sep 2020**

**Pipeline Incidents:**

Provincial

PINC

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

**Government Publication Date: Feb 28, 2021**

**Private and Retail Fuel Storage Tanks:**

Provincial

PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

**Government Publication Date: 1989-1996\***

**Permit to Take Water:**

Provincial

PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include PTTW's on the registry such as OWRA s. 34 - Permit to take water.

**Government Publication Date: 1994 - Feb 29, 2024**

**Ontario Regulation 347 Waste Receivers Summary:**

Provincial

REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

**Government Publication Date: 1986-1990, 1992-2021**

**Record of Site Condition:**

Provincial [RSC](#)

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up. RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

**Government Publication Date: 1997-Sept 2001, Oct 2004-Feb 2024**

**Retail Fuel Storage Tanks:**

Private [RST](#)

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

**Government Publication Date: 1999-Oct 31, 2023**

**Scott's Manufacturing Directory:**

Private [SCT](#)

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

**Government Publication Date: 1992-Mar 2011\***

**Ontario Spills:**

Provincial [SPL](#)

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

**Government Publication Date: 1988-Jan 2023; Mar 2023-Dec 2023**

**Wastewater Discharger Registration Database:**

Provincial [SRDS](#)

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation, Mining, Petroleum Refining, Organic Chemicals, Inorganic Chemicals, Pulp & Paper, Metal Casting, Iron & Steel, and Quarries.

**Government Publication Date: 1990-Dec 31, 2020**

**Anderson's Storage Tanks:**

Private [TANK](#)

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

**Government Publication Date: 1915-1953\***

**Transport Canada Fuel Storage Tanks:**

Federal [TCFT](#)

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

**Government Publication Date: 1970 - Apr 2023**

**Variations for Abandonment of Underground Storage Tanks:**

Provincial [VAR](#)

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

Records are not verified for accuracy or completeness.

**Government Publication Date: Feb 28, 2022**



**Waste Disposal Sites - MOE CA Inventory:**

Provincial

[WDS](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

**Government Publication Date: Oct 2011-Feb 29, 2024**

**Waste Disposal Sites - MOE 1991 Historical Approval Inventory:**

Provincial

[WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

**Government Publication Date: Up to Oct 1990\***

**Water Well Information System:**

Provincial

[WWIS](#)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

**Government Publication Date: Mar 31 2023**

# Definitions

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

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

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

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

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

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

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

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

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

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

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

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

# **APPENDIX 3**

## **QUALIFICATIONS OF ASSESSORS**



# PATERSON GROUP

solution oriented engineering



## Joshua Dempsey, B.Sc. Junior Environmental Inspector

Joshua joined Paterson Group in 2019 as part of the Environmental Group. Joshua received his Bachelor of Science in Environmental Science from the University of Ottawa in 2018, as well as his Graduate Certificate in Environmental Management and Assessment from Algonquin College in 2019. In his time with Paterson, Joshua has been involved in primarily residential and commercial projects across Ontario, where he completed environmental and geotechnical sampling programs, Phase I and II Environmental Site assessments (CSA and MECP standards), supervision of environmental remediations, excess soil testing and reporting, and assisted in the filing of records of site condition (RSCs). His scope of work consists of environmental investigation and reporting, field inspections, soil and groundwater sampling, remediation supervision, and ensuring compliance to applicable regulatory standards.

### EDUCATION

Bachelor of Science in Environmental Science, 2018  
University of Ottawa  
Ottawa, Ontario

Environmental Management and Assessment,  
Graduate Certificate, 2019  
Algonquin College  
Ottawa, Ontario

### LICENCE/ PROFESSIONAL AFFILIATIONS

P.Geo Eligibility

### YEARS OF EXPERIENCE

With Paterson: 5

### OFFICE LOCATION

9 Auriga Drive, Ottawa, Ontario, K2E 7T9

### SELECT LIST OF PROJECTS

- 44 Eccles Street, Ottawa, ON – Remediation Supervision and RSC.
- PCL – ESAP Project, Cliff Plant, Ottawa, ON – Excess Soil Quality.
- 1060 Cummings Avenue, Ottawa, ON, Large Scale Remediation, Phase I and II ESA (Site Remediation Coordinator and Supervisor).
- Caivan Communities: The Ridge, Ottawa, ON, Environmental and Geotechnical Subsurface Investigations, Soil and Groundwater Sampling, Remediation Supervision.
- Taggart Residential Development, Gardiners Road, Kingston, ON, Phase II ESA Supervision, Groundwater Monitoring, Remediation Supervision.
- 36 Robinson Avenue, Ottawa, ON – Remediation Program, Phase I and II ESA (Site Remediation Coordinator & Supervisor).
- 245 Rideau Street, Ottawa, ON – Large Scale Remediation, Phase I and II ESA (Site Remediation Coordinator and Supervisor).
- 265 Greensway Avenue, Ottawa, ON – Remediation Supervision, Phase II ESA Supervision, Groundwater Monitoring.
- Excess Soil Sampling and Testing, Various Sites, Ottawa Area.
- Soil, Water, and Sediment Sampling, Various Sites.



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## PROFESSIONAL EXPERIENCE

2019 to present, **Junior Environmental Inspector, Paterson Group, Ottawa, Ontario**

- Conduct Phase I – Environmental Site Assessments (ESAs) to CSA and O.Reg. 153/04 Standards;
- Conduct Phase II – Environmental Site Assessments (ESAs) and supplemental Phase II ESAs to CSA and O.Reg. 153/04 Standards;
- Supervise soil and groundwater remediation programs to CSA and O.Reg. 153/04 Standards;
- Preparation of Records of Site Condition to O.Reg. 153/04;
- Conduct excess soil investigations to O.Reg. 406/19 Standards, and provide recommendations for soil management;
- Manage excavation contractors and field personnel to ensure soil and groundwater quality control;
- Present analytical test results, interpretations, assessments, recommendation and/or conclusions in a final technical report as well as verbal and written communication with clients;
- Oversee geotechnical investigations for test pitting on numerous proposed utility installations, residential and commercial developments;
- Conduct settlement surcharge surveys, settlement plate installations, slope stability surveys, seismic shear-wave velocity surveys, topographic surveys, and geotechnical subsurface investigations, including sensitive clay deposits;
- Conduct laboratory testing program of soils and water for detail recommendations;
- Problem solving to complete analysis required within regulatory framework;
- Adapt to unforeseen on-site challenges and provide first-hand insights to help collaborate toward a solution;
- Oversee large-scale remediation projects and monitor material being excavated;
- Monitor and sample multiple groundwater wells with a high degree of precision regarding the quality and parameters of the sample;



# PATERSON GROUP

solution oriented engineering



## **Mark S. D'Arcy, P.Eng., QP<sub>ESA</sub>** **Director – Environmental Division**

After receiving his Bachelors of Applied Science from Queen's University in 1991 in Geological Engineering, Mark joined Paterson Group Inc. During the first 10 years of Mark's career, he was heavily involved in all aspects of field work, including drilling boreholes, excavating test pits, conducting phase I site inspections, environmental sampling and analysis and inspection of environmental remediations. During Mark's field experience, he gained invaluable field and office experience, which would prepare Mark to become the Environmental Division Manager. Mark's field experience ranges from Phase I Environmental Site Assessments (ESAs) to on-site soil and groundwater remediations, as well as, environmental/geotechnical borehole investigations. Mark's field experience has provided extensive knowledge of subsurface conditions, contractor relations and project management. These skills would provide Mark with the ability to understand a variety of situations, which has lead Paterson to an extremely successful Environmental Department. Mark became the Environmental Manager in 2006, which consisted of two engineers and two field technicians. Mark has been an integral part in growing the Environmental Division, which now consists of nine engineers and three field technicians. Mark is the Senior Project Manager for a wide variety of environmental projects within the Eastern Ontario area including Phase I ESAs, Phase II ESAs, remediations for filing Records of Site Condition in the Ontario Ministry of the Environment and Climate Change (MOECC) Environmental Site Registry, Brownfield Applications and Landfill Monitoring Programs. As the Senior Project Manager, Mark is responsible for directing project personnel, final report review and overall project success. Mark has proven leadership and ability to manage small to large scale projects within the allotted time and budget.

### **EDUCATION**

B.A.Sc. 1991, Geological Engineering, Queen's University, Kingston, ON

### **LICENCE/PROFESSIONAL AFFILIATIONS**

Professional Engineers of Ontario

ESA Qualified Person with MECP

Ontario Society of Professional Engineers

Consulting Engineers of Ontario

### **YEARS OF EXPERIENCE**

With Paterson: 33

### **OFFICE LOCATION**

9 Auriga Drive, Ottawa, Ontario, K2E 7T9

### **SELECT LIST OF PROJECTS**

- 222 Beechwood Avenue, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- 409 MacKay Street, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- Art's Court Redevelopment, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- Visitor Welcome Centre, Phase II and Phase III, Parliament Hill, Ottawa, Ontario (Senior Project Manager for Environmental Remediation)
- Mattawa Landfill, Mattawa, Ontario (Senior Project Manager, Annual Water Quality Monitoring report)
- Multi-Phase Redevelopment of the Ottawa Train Yards, Ottawa, Ontario (Senior Project Manager)
- Rideau Centre Expansion, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- 26 Stanley Avenue, Ottawa, Ontario, Phase I ESA, Phase II ESA (Senior Project Manager)
- Monitoring Landfills for River Valley, Kipling and Lavigne (Senior Project Manager)
- Block D Lands – Brownfields Project - Kingston

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## PROFESSIONAL EXPERIENCE

### 2001 to present, Manager of Environmental Division, Paterson Group Inc., Ottawa, Ontario

- Manage all aspects of the environmental division (management of personnel, budgeting, invoicing, scheduling, business development, reporting, marketing, and fieldwork).
- Review day to day operations within the environmental division.
- Design, perform, and lead Phase I, II and Phase III ESAs, Remediation's, Brownfield Applications and Record of Site conditions, fieldwork surveys, excavation, monitoring, laboratory analysis, and interpretation.
- Write, present, and publish reports with methodology and laboratory analysis results, along with recommendations for environmental findings.
- Responsible for ensuring projects meet Ministry of Environment and Climate Change Standards and Guidelines.
- Building and fostering relationships with clients, stakeholders, and Ministry officials.
- Supervise and continuous training of staff in environmental methods (environmental sampling techniques, technical expertise and guidance).
- Applied due diligence in ensuring the health and safety of staff and the public in field locations.

### 1991 to 2001, Geotechnical and Environmental Engineer, Paterson Group Inc., Ottawa, Ontario

- Provide on-site geotechnical and environmental expertise to various clients.
- Oversee geotechnical and environmental investigations for drilling and test pitting on numerous proposed utility installations, residential and commercial developments.
- Problem solving to help advance or maintain project schedules.
- Complete environmental reports with recommendations to meet environmental standards set by MOE and CCME standards.
- Conduct site inspections, bearing medium evaluations, bearing surface inspections, concrete testing and field density testing.
- Liaising with contractors, consultants and government officials.
- Provide cost estimates for geotechnical and environmental field programs and construction costs.
- Review RFI's, submittals, monthly progress reports and other various construction related work.