PATERSON GROUP

Phase I – Environmental Site Assessment

304 and 308 Donald Street

Ottawa, Ontario

Prepared for Upscale Homes

Report: PE6501-1
April 26, 2024

TABLE OF CONTENTS

List of Figures

List of Appendices

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.

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^2 (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.

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.

A response from the MECP had not been received prior to the issuance of this report.

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.

A response from the MECP had not been received prior to the issuance of this report.

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.

A response from the MECP had not been received prior to the issuance of this report.

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.

A response from the MECP had not been received prior to the issuance of this report.

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.

A response from the City of Ottawa had not been received prior to the issuance of this report, however, a copy of the response will be forwarded to the client should it contain any pertinent information. A copy of the submission request 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.

Table 1: Land Use History
304 & 308 Donald Street, Ottawa, Ontario

Time Period	Land Use	Description	Observations
304 Donald Street			
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.
308 Donald Street			
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$_{ESA}$

April 26, 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

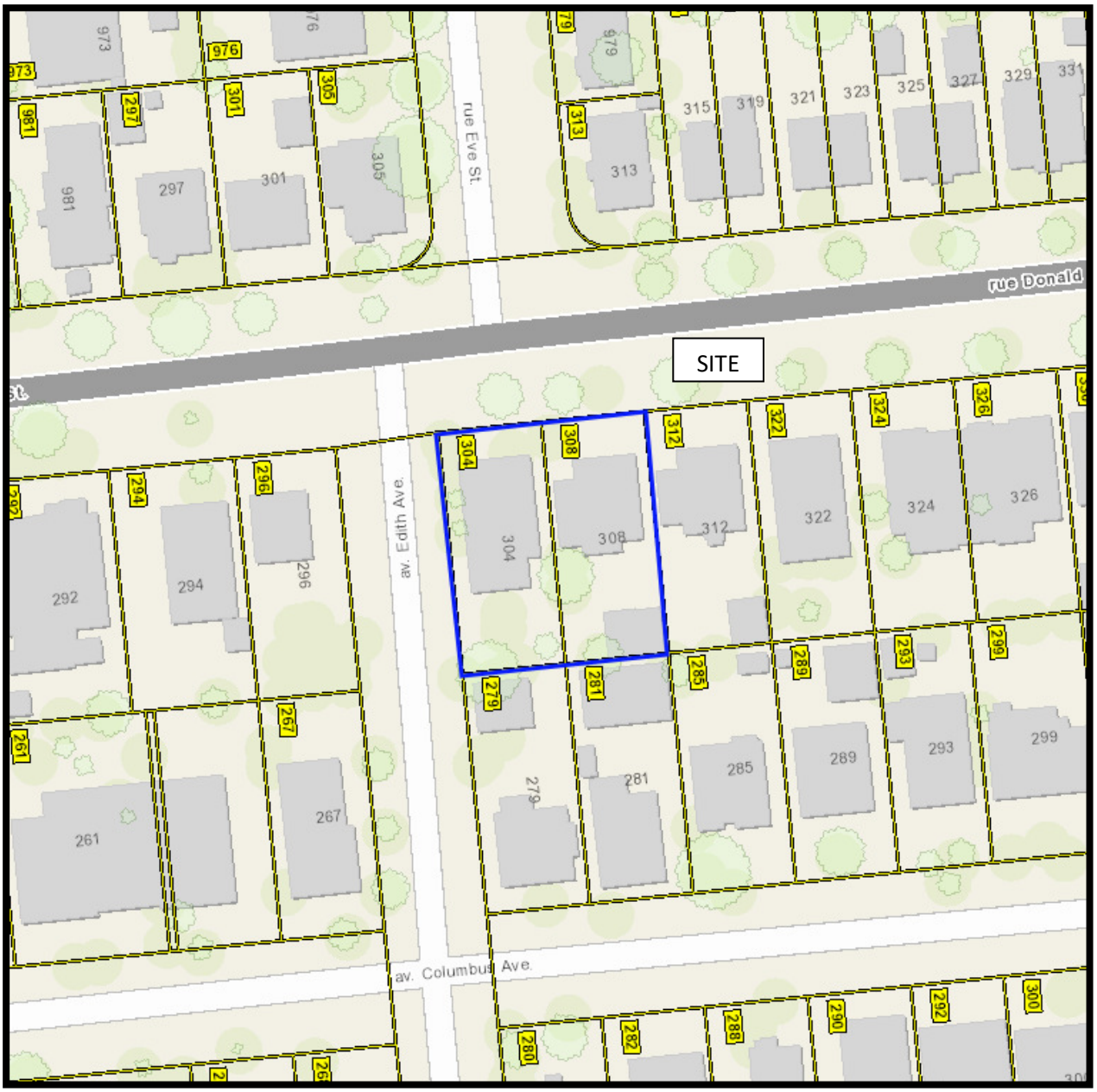
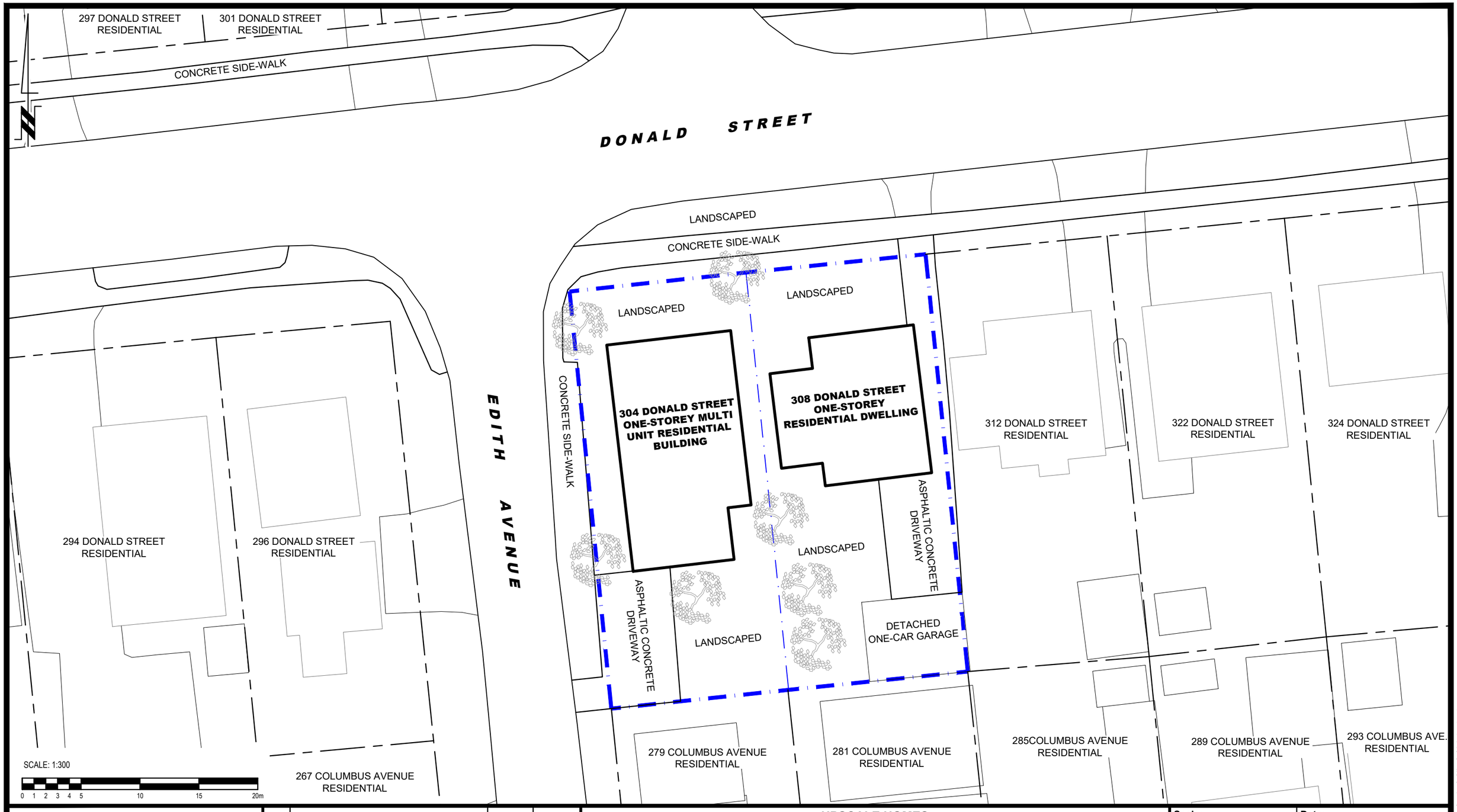


FIGURE 1

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**

Title:

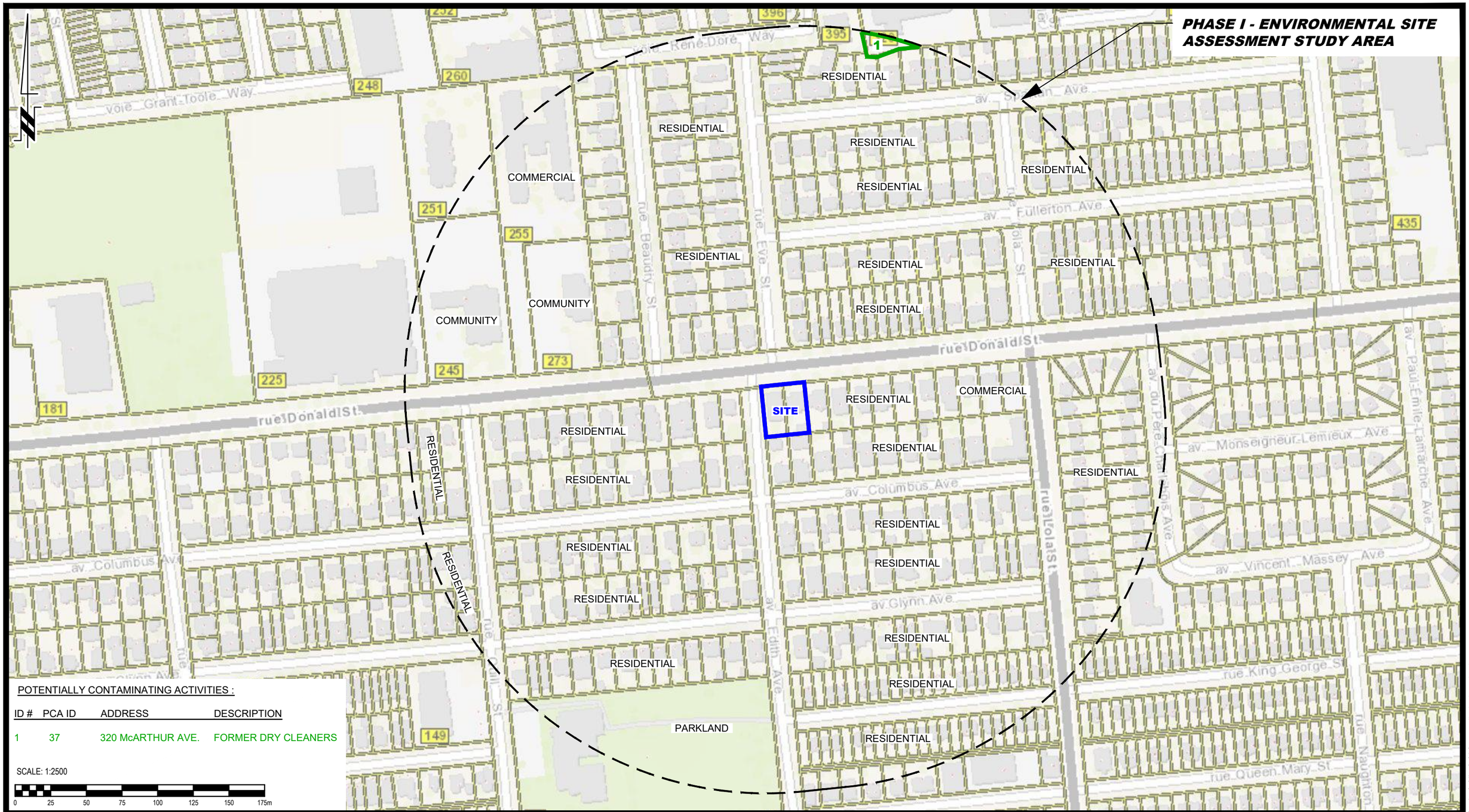
SITE PLAN

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

11x17

p:\autocad drawings\environmental\pe65xx\pe6501\pe6501-1 site plan.dwg

PHASE I - ENVIRONMENTAL SITE ASSESSMENT STUDY AREA



POTENTIALLY CONTAMINATING ACTIVITIES :

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

SCALE: 1:2500

0 25 50 75 100 125 150 175m

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

Title:

SURROUNDING LAND USE PLAN

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

p:\autocad drawings\environmental\pe65xx\pe6501\pe6501-2 surrounding land use plan.dwg

11x17

APPENDIX 1

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

AERIAL PHOTOGRAPH
1928

PATERSON GROUP

AERIAL PHOTOGRAPH
1933

PATERSON GROUP

AERIAL PHOTOGRAPH
1945

PATERSON GROUP

AERIAL PHOTOGRAPH
1958

PATERSON GROUP

AERIAL PHOTOGRAPH
1965

PATERSON GROUP

AERIAL PHOTOGRAPH
1979

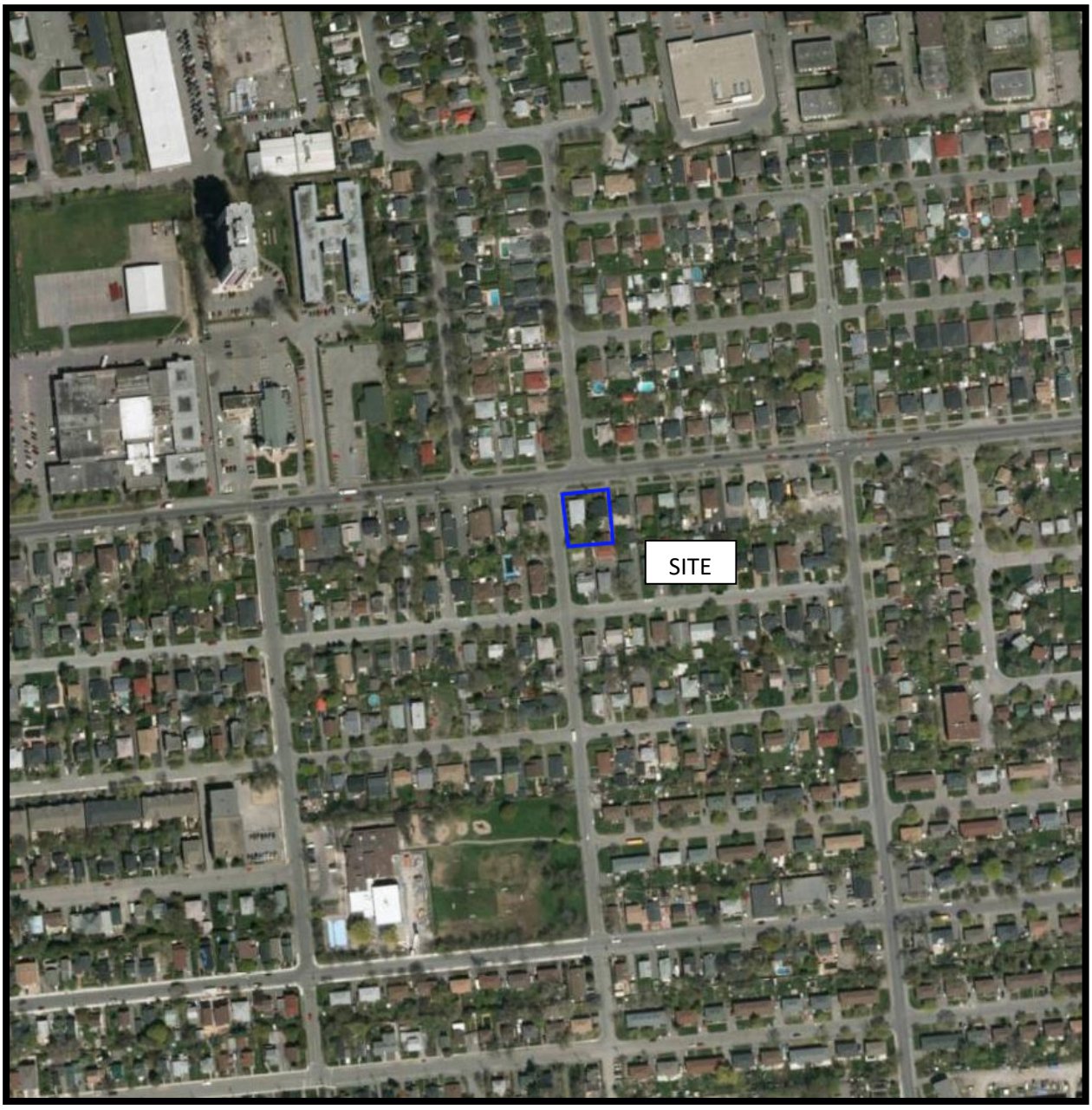
PATERSON GROUP

AERIAL PHOTOGRAPH
1991

PATERSON GROUP

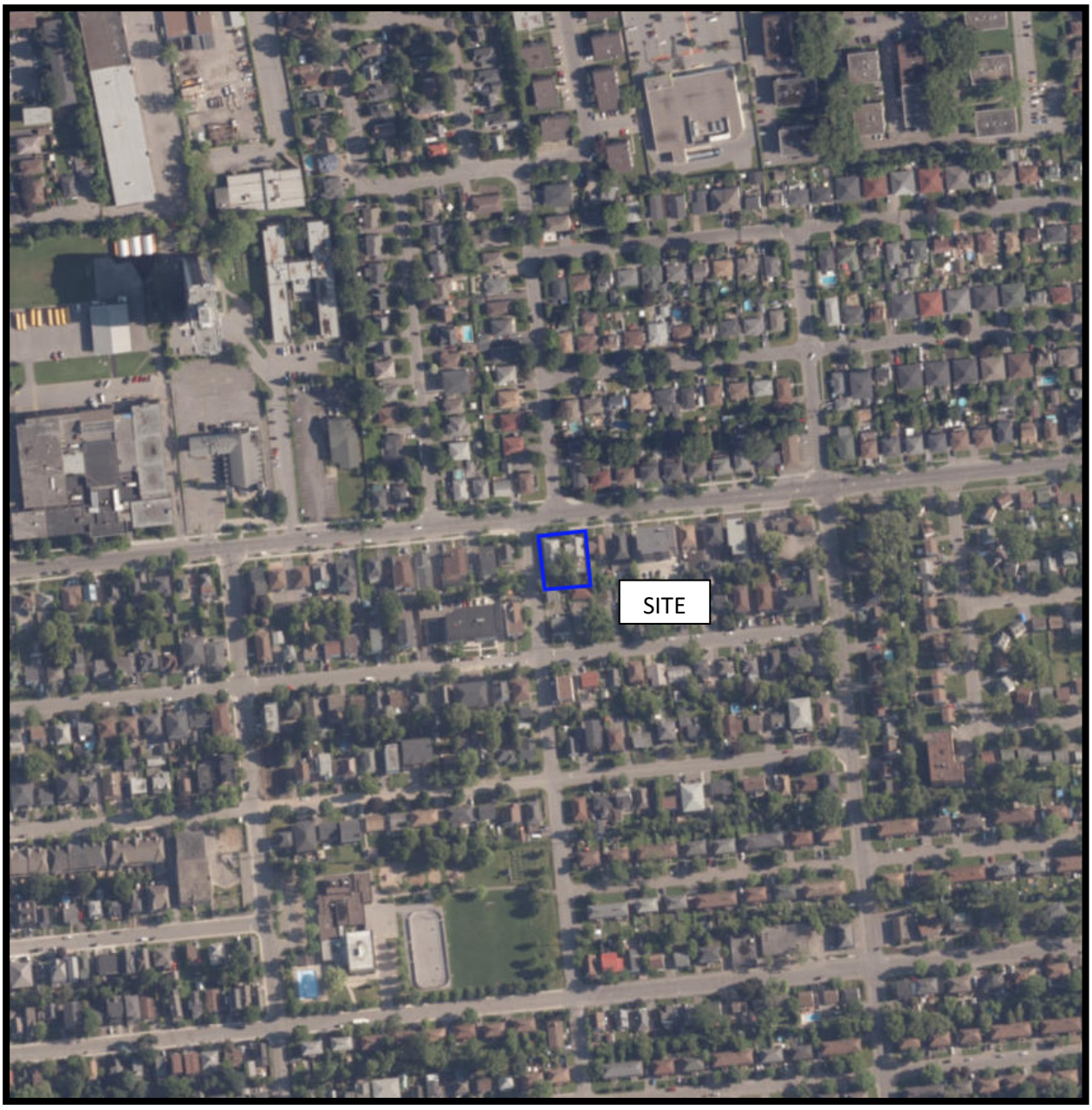
AERIAL PHOTOGRAPH
2002

PATERSON GROUP



AERIAL PHOTOGRAPH
2011

PATERSON GROUP



AERIAL PHOTOGRAPH
2022

PATERSON GROUP

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.

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.

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 REQUEST

MECP WATER WELL RECORDS

TSSA CORRESPONDENCE

CITY OF OTTAWA HLUI SEARCH REQUEST

ERIS DATBASE 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

Ontario

April 11, 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 – Acknowledgement Letter**

The Ministry is in receipt of your request made pursuant to the Freedom of Information and Protection of Privacy Act.

The search will be conducted on the following: 304 and 308 Donald Street, Ottawa. If there is any discrepancy, please contact us immediately.

Please note the file number that has been assigned to your request. This number should be referred to in all future communications with our office.

If you have any questions, please contact Lia Delange at lia.delange@ontario.ca.

Yours truly,
MECP Access and Privacy Office

Ontario — Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

Well T A 080417 Below)

A080417

Well Record

Regulation 903 Ontario Water Resources Act

6248 Page 1 of 4

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
971 Lola st.			

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	448952	5030786		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Bry	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) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	.31	Concrete / flushmount	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☒ Other, *specify* Direct Push

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
4.03	PVC	.368	0	1.22

Construction Record - Screen

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

Status of Well

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

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

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)

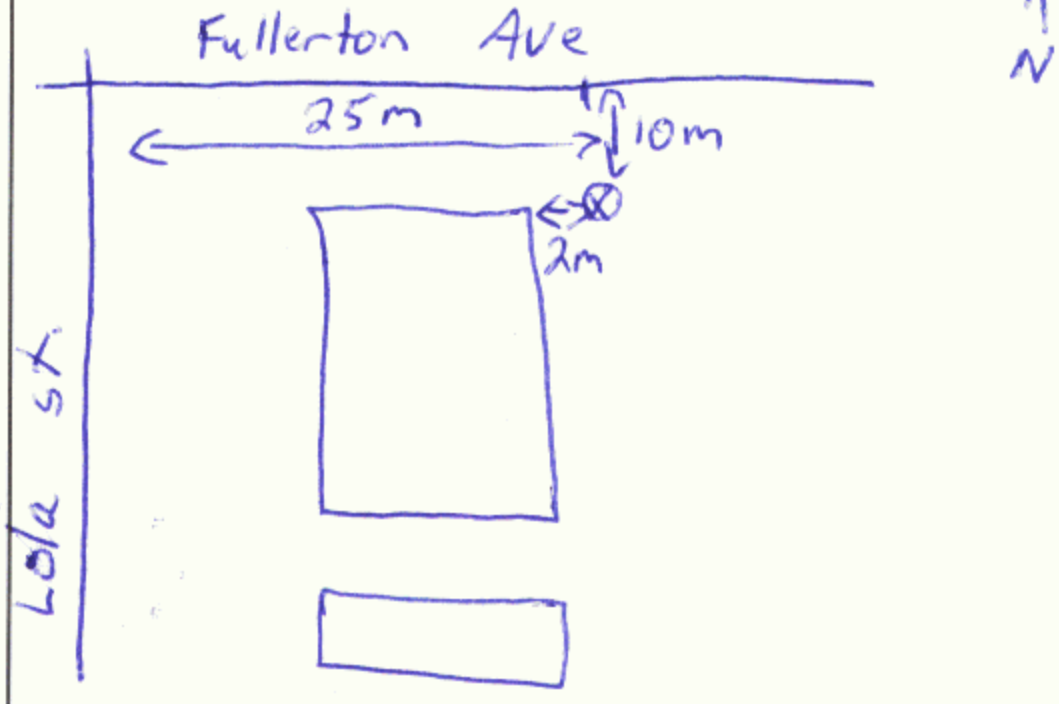
Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
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.



Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	4.27	8.25

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling Inc.	7241

Business Address (Street Number/Name)	Municipality
147-2 West Beaver Creek Road	Richmond Hill

Province	Postal Code	Business E-mail Address
Ontario	L4B 1C6	wrecords@stratasoil.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
905-764-9304	Mair, Mike

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3448		20090429

Comments:

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☒ No		2009 04 07

Ministry Use Only

Audit No. Z 096588

Received MAY 07 2009

EP

0506E (12/2007) **Ministry's Copy**

Ontario Ministry of the Environment

We A 081754 (Print Below)

A081754

Well Record

Regulation 903 Ontario Water Resources Act

6282 Page 1 of 8

Measurements recorded in: ☐ Metric ☐ Imperial

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
971 Lola st.			

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	448931	5030787		

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	Gravel	weathered shale	Dense, moist	0	.61
Blk	weathered shale		Dense, wet	.61	1.22

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	~~.61~~	Benseal	
.61	1.22	sand	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☒ Other, *specify* Direct Push

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
3.45	PVC	.356	0	.31

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To
4.21	PVC	10	.31	1.22

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	1.22	5.71

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

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)

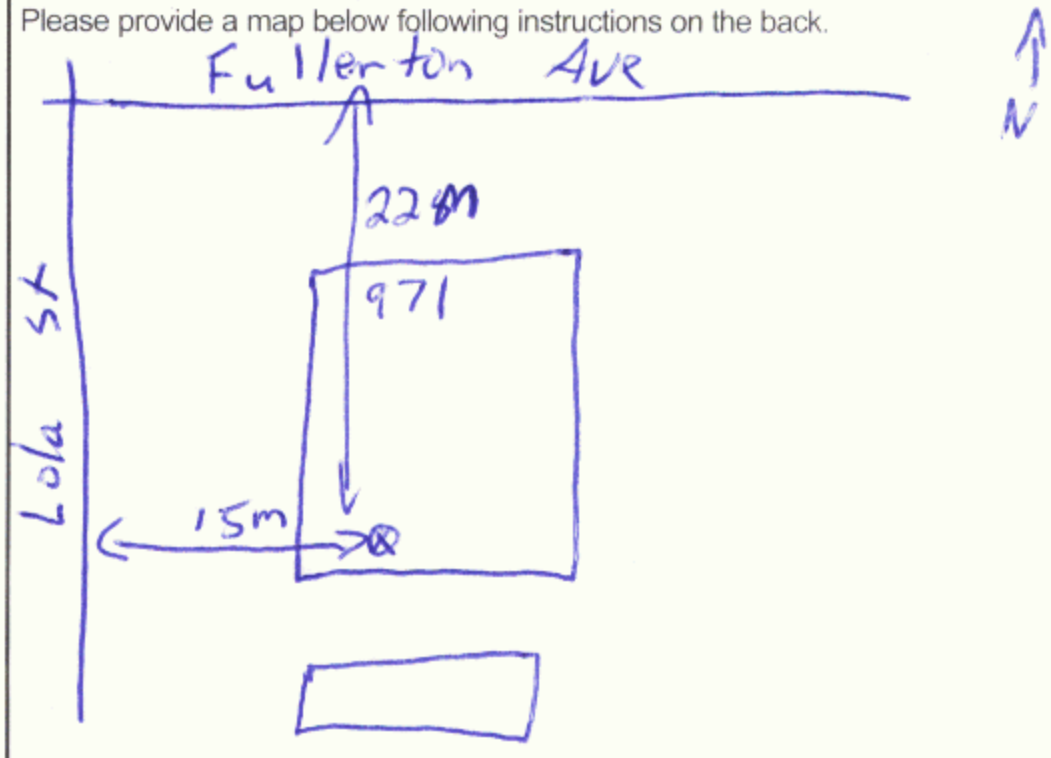
Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
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.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling Inc.	7241

Business Address (Street Number/Name)	Municipality
147-2 West Beaver Creek Road	Richmond Hill

Province	Postal Code	Business E-mail Address
Ontario	L4B 1C6	wrecords@stratasoil.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
905-764-9304	Mair, Mike

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3448		2009 04 29

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

Ministry Use Only

Audit No. Z 096590

MAY 07 2009

Received

BB 1796

Ministry's Copy

0506E (12/2007)

Ontario Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

W A 081755 (Print Below)

A081755

Well Record

Regulation 903 Ontario Water Resources Act

16280 Page 2 of 2

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
971 LOLA ST.			

County/District/Municipality	City/Town/Village	Province	Postal Code
	OTTAWA.	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	449944	5030771		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
GRY/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) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	0.3	BENTONITE.	
0.3	1.1	SAND.	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☒ Other, *specify* Direct Push

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
3.45	PLASTIC	.0037	0	0.3

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To
4.21	PLASTIC	10	0.3	1.1

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	1.1	6.03

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

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)*

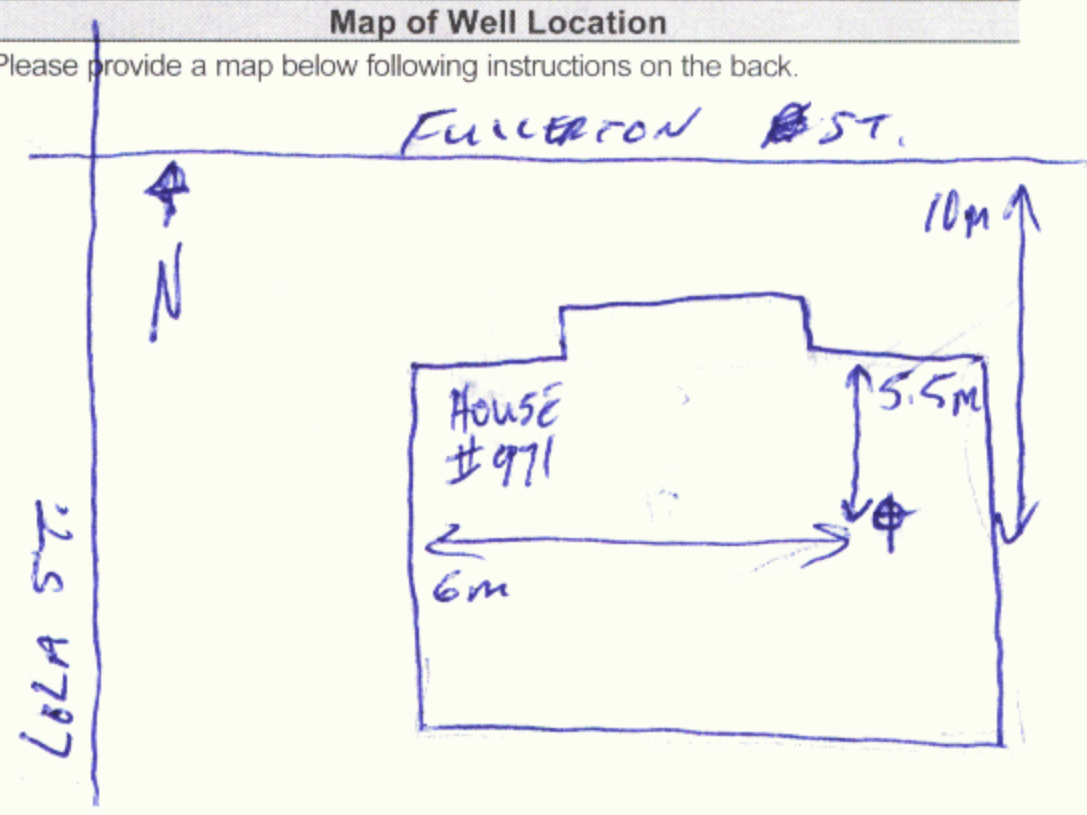
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
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.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling Inc.	7241

Business Address (Street Number/Name)	Municipality
147-2 West Beaver Creek Road	Richmond Hill

Province	Postal Code	Business E-mail Address
Ontario	L4B 1C6	wrecords@stratasoil.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
905-764-9304	Muir, Mike

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3448		20090429

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☒ No		20090408

Ministry Use Only

Audit No. Z 096596

MAY 07 2009

Received

0506E (12/2007)

Ministry's Copy

E/1756

Ontario Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

We A 080423 (Print Below)

A080423

Well Record

Regulation 903 Ontario Water Resources Act

6280 Page 2 of 4

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
971 LOLA ST.			

County/District/Municipality	City/Town/Village	Province	Postal Code
	OTTAWA.	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	445894	5030789		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BRN	FILL	GRAVEL	LOOSE.	0	0.61
BRN	SAND	SILT.	SOFT	0.61	1.5
BRN/BLK	SHALE	SILT.	~~DENSE~~ DENSE.	1.5	3.35
BLK/BRN	SHALE.	SILT SAND	WET.	3.35	4.27

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	0.3	CONCRETE	
0.3	0.91	BENTONITE	
0.91	4.27	SAND.	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☒ Other, *specify* Direct Push

Well Use

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

Construction Record - Casing

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

Status of Well

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

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

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)

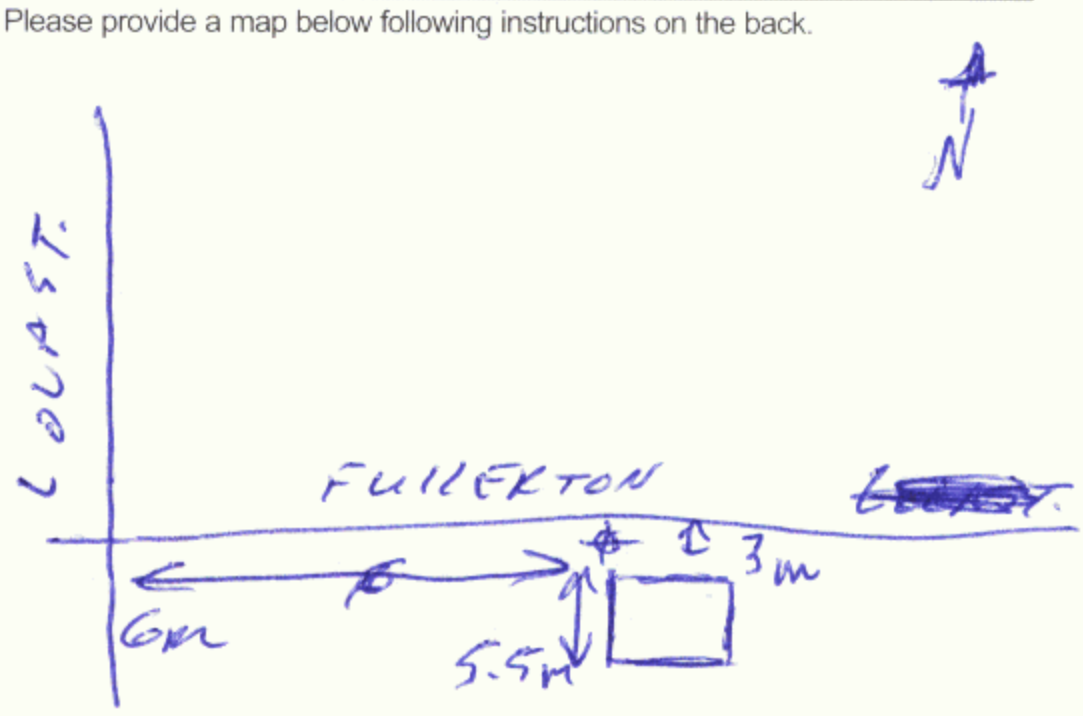
Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
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.



Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	4.27	8.25

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling Inc.	7241

Business Address (Street Number/Name)	Municipality
147-2 West Beaver Creek Road	Richmond Hill

Province	Postal Code	Business E-mail Address
Ontario	L4B 1C6	wrecords@stratasoil.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
905-764-9304	Muir, Muir

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3446		20090429

Comments:

Well owner's information package delivered ☐ Yes ☒ No

Date Package Delivered

Date Work Completed 20090407

Ministry Use Only

Audit No. Z 096601

MAY 07 2009 Received

EP1756

Ministry's Copy

0506E (12/2007)

Ontario Ministry of the Environment

Measurements recorded in: ☐ Metric ☐ Imperial

Well A 080418 (Tag Below)

A080418

Well Record

Regulation 903 Ontario Water Resources Act

6280 Page 3 of 4

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
971 Lola st.			

County/District/Municipality	City/Town/Village	Province	Postal Code
	ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	448942	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	Depth (m/ft) To
Blk	Top soil		soft, dry	0	.6
Brn	Sand	silt / Gravel	soft, dry	.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) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	.91	Benseal	
.91	4.27	Sand	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☒ Other, *specify* Direct Push

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
4.03	PVC	.368	0	1.22

Construction Record - Screen

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

Status of Well

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

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

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)

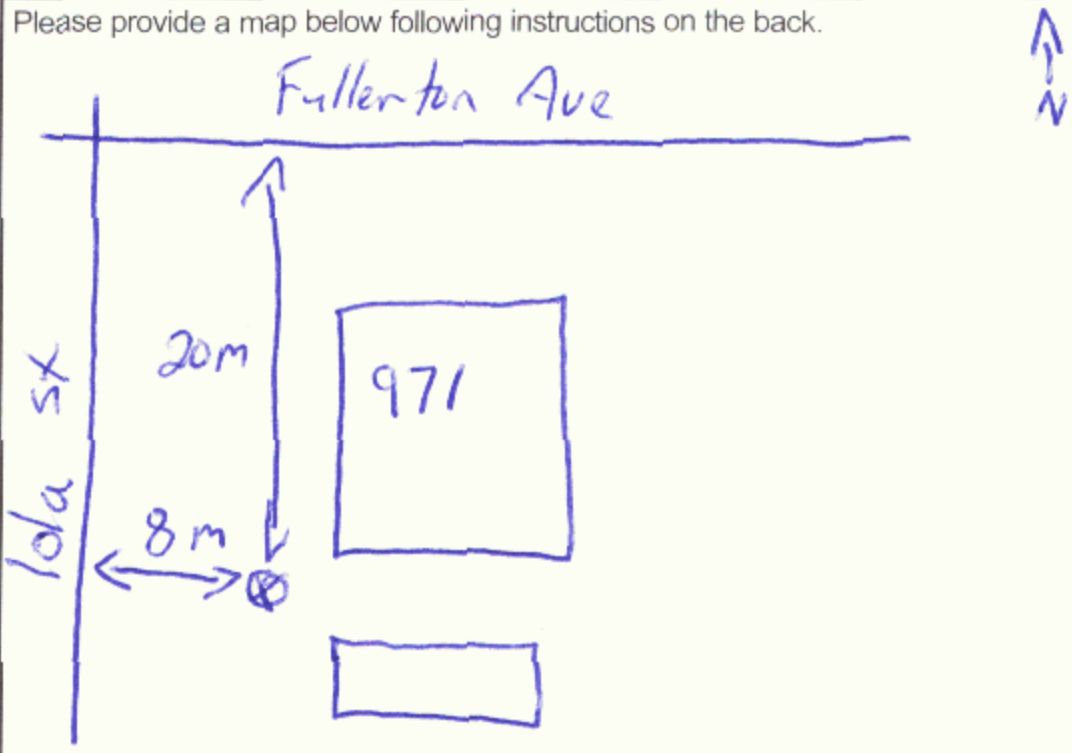
Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
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.



Comments:

Water Details

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

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	4.27	8.25

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling Inc.	7241

Business Address (Street Number/Name)	Municipality
147-2 West Beaver Creek Road	Richmond Hill

Province	Postal Code	Business E-mail Address
Ontario	L4B 1C6	wrecords@stratasoil.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
905-764-9304	Mair, Mike

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3448		20090429

EP

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☒ No		20090407

Ministry Use Only

Audit No. Z 096600

Received MAY 07 2009

0506E (12/2007)

Ministry's Copy

Ontario — Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

We A 080419 rint Below)

A080419

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 2

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
971 LOLA ST.			

County/District/Municipality	City/Town/Village	Province	Postal Code
	OTTAWA	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	448953	5030771		

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

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

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☒ Other, *specify* Direct Push

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
4.03	PLASTIC	.3680		1.22

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
4.82	PLASTIC	10	1.27	4.27

Status of Well

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

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

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? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
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	

Water Details

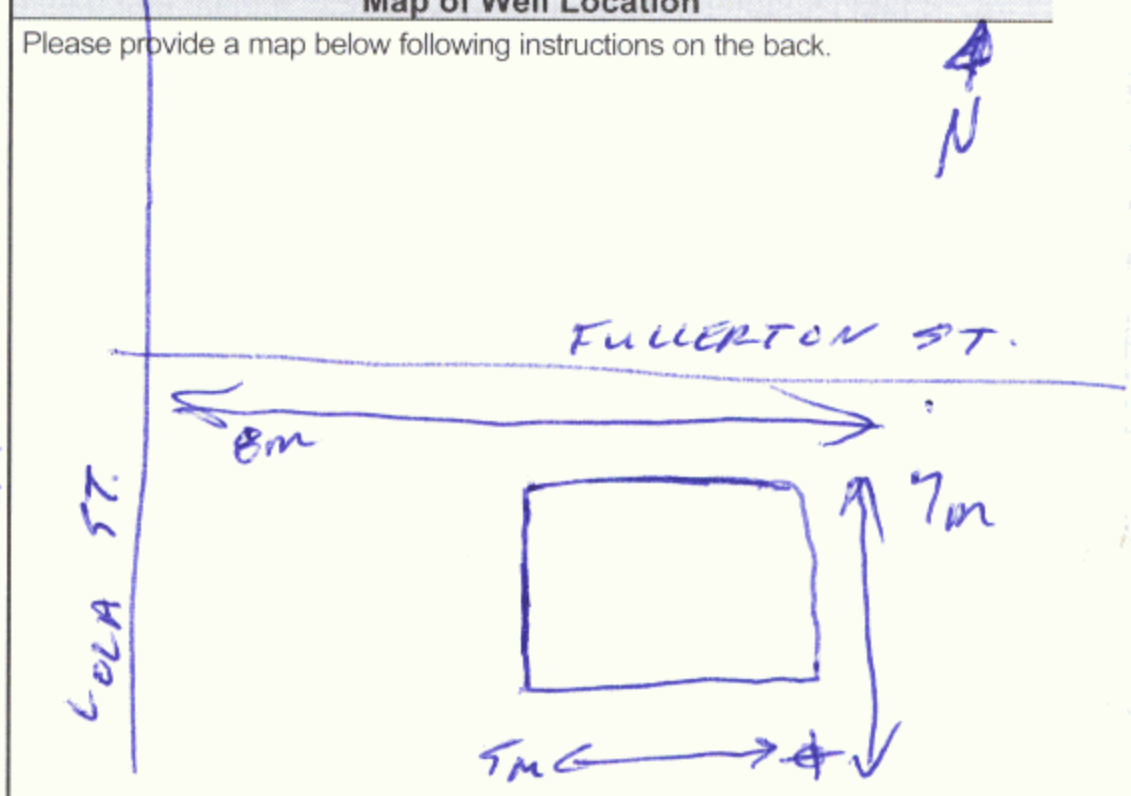
Water found at Depth (m/ft)	Gas	Kind of Water	Fresh	Untested	Other, *specify*
	☐	☐	☐	☐	
	☐	☐	☐	☐	
	☐	☐	☐	☐	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	4.27	8.25

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling Inc.	7241

Business Address (Street Number/Name)	Municipality
147-2 West Beaver Creek Road	Richmond Hill

Province	Postal Code	Business E-mail Address
Ontario	L4B 1C6	wrecords@stratasoil.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
905-764-9304	Mair, Mike

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3448		20090429

EP1756

Well owner's information package delivered: ☐ Yes ☒ No

Date Package Delivered: YYYY MM DD

Date Work Completed: 20090407

Ministry Use Only

Audit No. Z096598

Received MAY 07 2009

0506E (12/2007)

Ministry's Copy

Ontario Ministry of the Environment

Measurements recorded in: ☐ Metric ☐ Imperial

Well Tag No. (Place Sticker and/or Print Below) A 032213 A032213

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

[redacted]

Address of Well Location (Street Number/Name): 971 Lola Street

Township:

Lot: Part Lot 49

Concession:

County/District/Municipality: Ottawa Carleton

City/Town/Village: Ottawa

Province: Ontario

Postal Code:

UTM Coordinates: NAD 83 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	Depth (m/ft) To
brown			sand	0	1.8
			shale bedrock	1.8	4.4
	mw 9 was tagged and was the only well installed				

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	0.8	bentonite hole plug	½ bag
0.8	4.4	Filter sand	1 bag

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) From	Depth (m/ft) To
3.5	plastic	0.3	0	1.25

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify
2.74m (m/ft)	☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	1.9	7.5
1.9	4.4	5.6

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

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? ☐ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
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

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor: OGS Inc

Well Contractor's Licence No.: 6964

Business Address (Street Number/Name): 5578 Appleton Side Road

Municipality: Almonte

Province: Ontario

Postal Code: K0A1A0

Business E-mail Address: ogsinc@bellnet.ca

Bus. Telephone No. (inc. area code): 6132567666

Name of Well Technician (Last Name, First Name): Eshlin Chad

Well Technician's Licence No.: 3299

Signature of Technician and/or Contractor: [signature] for Chad

Date Submitted: 2009 11 13

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2009 10 03

Ministry Use Only

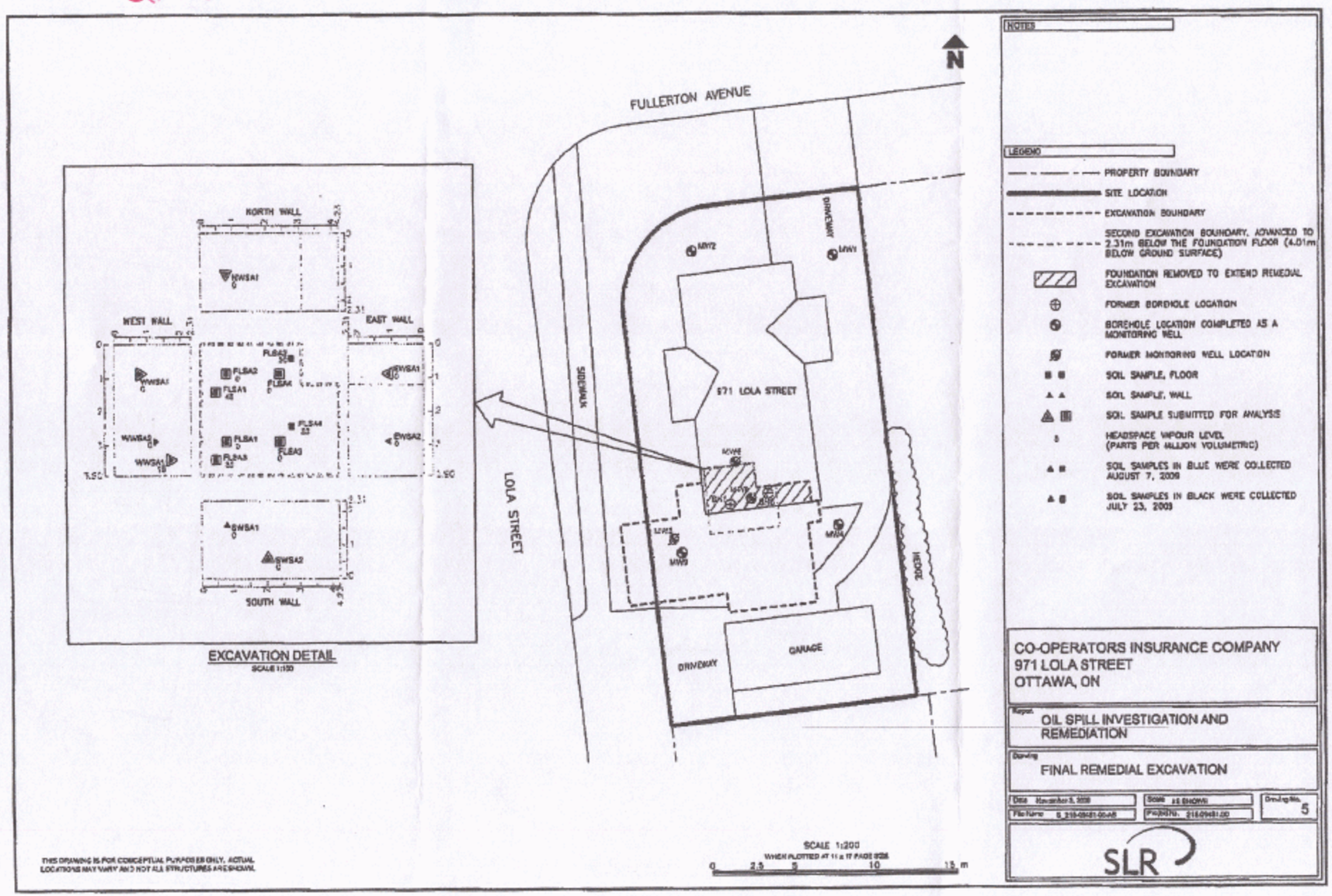
Audit No. Z 106948

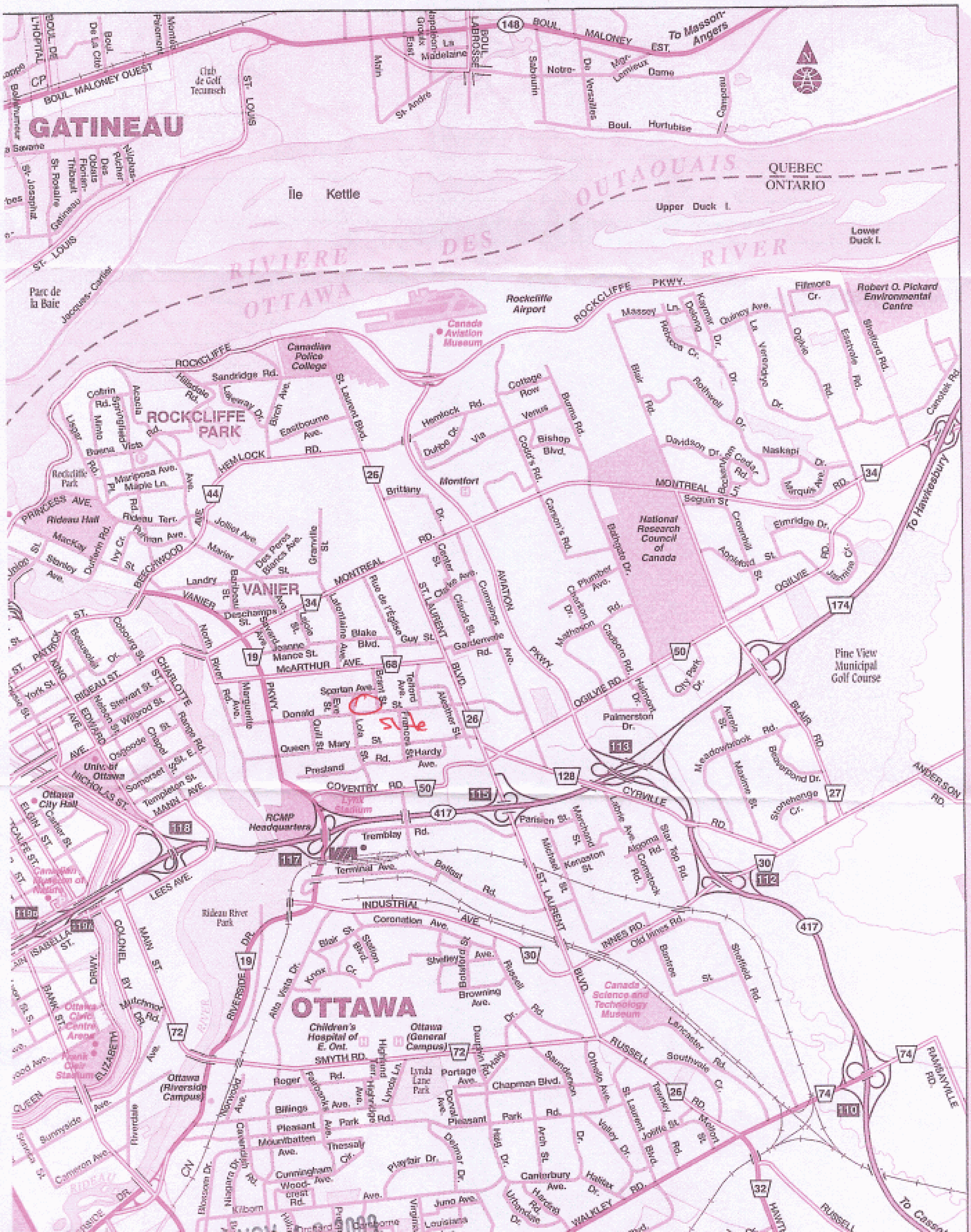
Received NOV 18 2009

0506E (12/2007)

Ministry's Copy

8469012
1969-C





C-6964 Z106948.

Ontario Ministry of the Environment

Measurements recorded in: ☐ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* Abandonment A032213

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

[redacted]

Well Location

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

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	448929	5030765	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	Depth (m/ft) To
			MW9 was decommissioned		

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	4.4	bentonite cement grout	20 litres

Method of Construction

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

Well Use

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

Construction Record - Casing

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

Construction Record - Screen

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

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

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? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
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.

Comments:

Well Contractor and Well Technician Information

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

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
5518 Appleton Side Road	Almonte	Ontario	K0A 1A0	ogsinc@bellnet.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
6132567666	Echlin, Chad	3299	Dirk Ohlmann for Chad	2009 11 13

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		2009 11 06

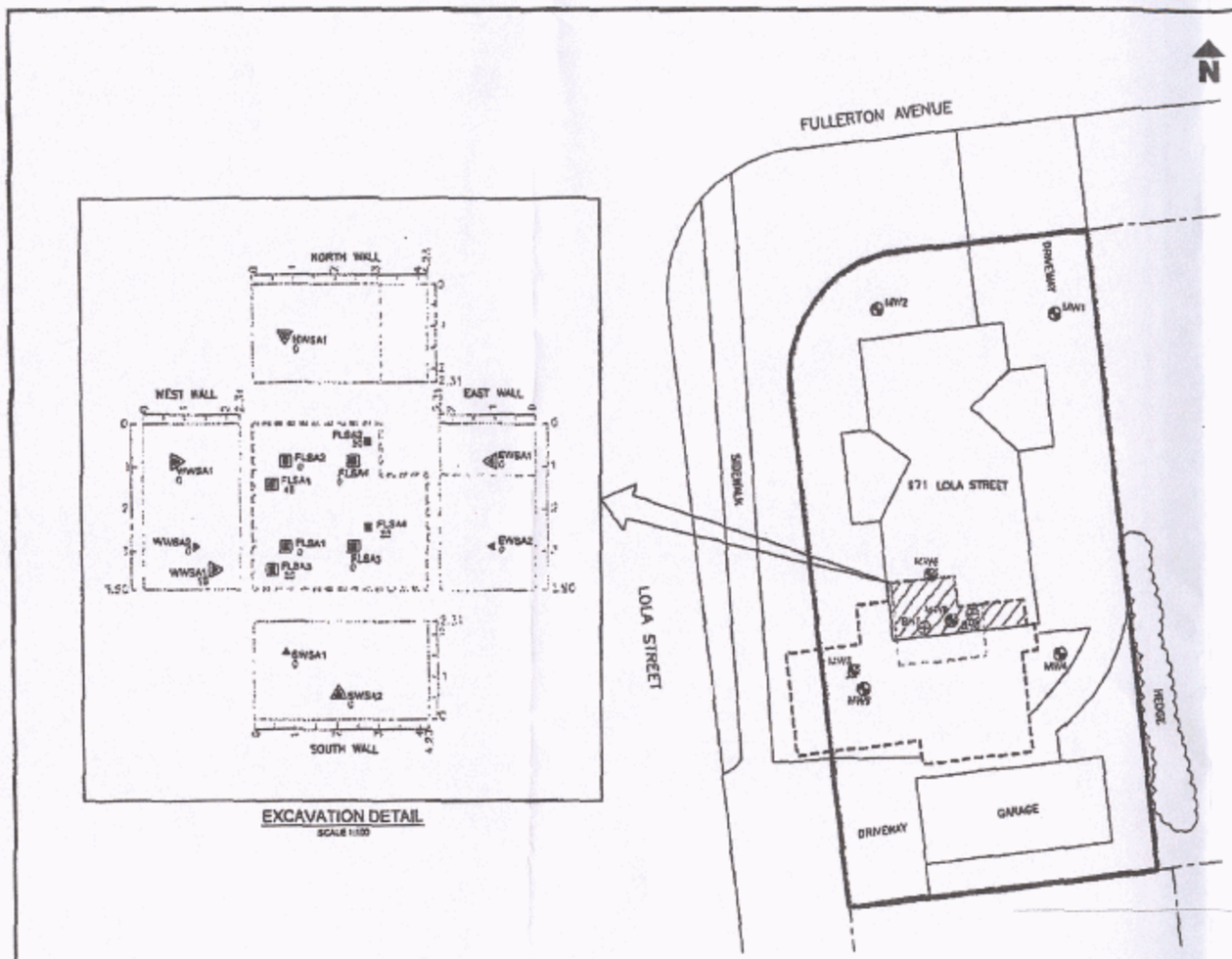
Ministry Use Only

Audit No. Z106949

Received NOV 19 2009

0506E (12/2007)

Ministry's Copy



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

Report: OIL SPILL INVESTIGATION AND REMEDIATION

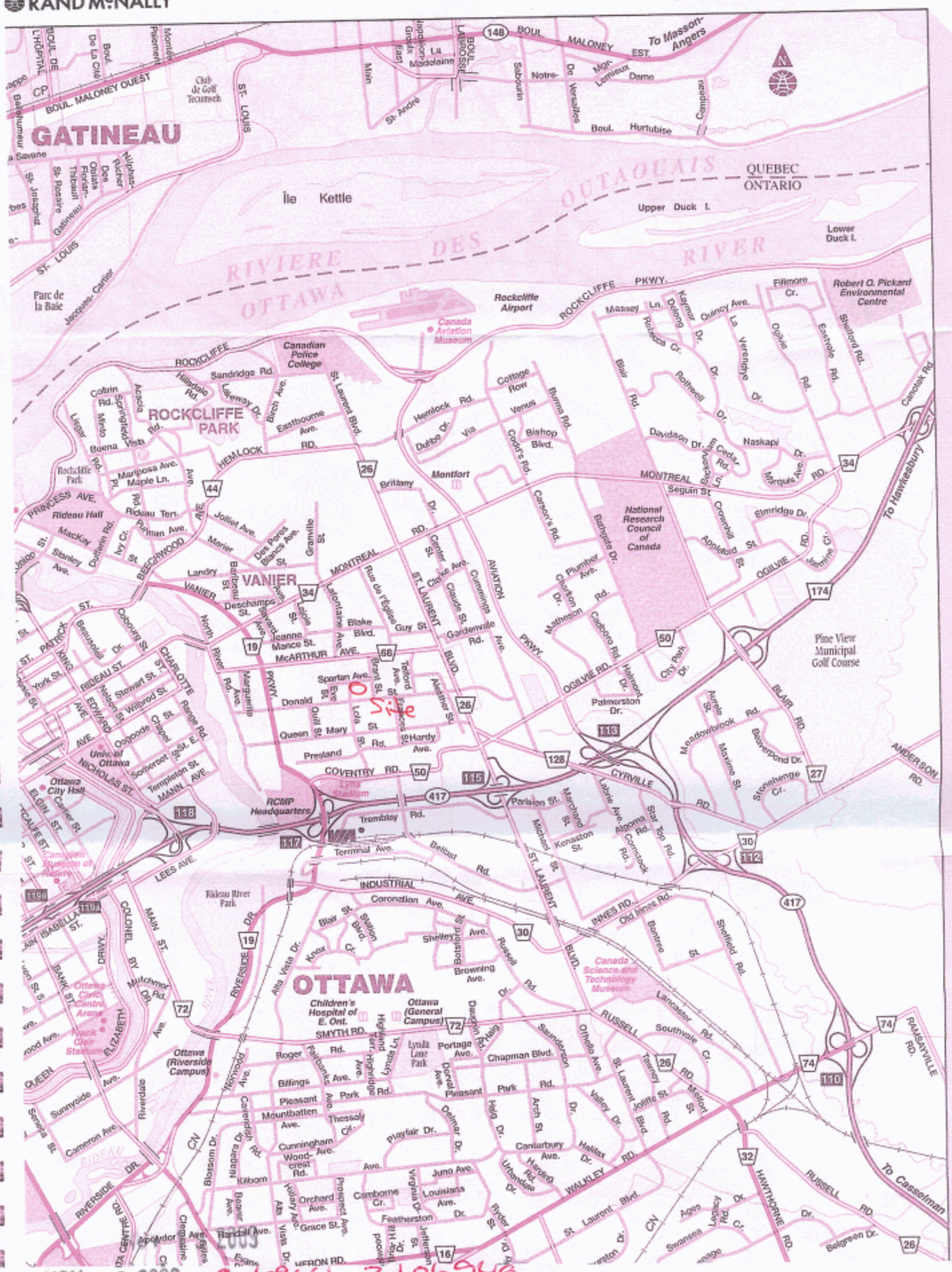
Drawing: FINAL REMEDIAL EXCAVATION

Date: November 3, 2009 | Scale: AS SHOWN | Drawing No.: 5
File Name: S_216-09021-00-AR | Project No.: 216.09021.00

SLR

C-69649

NOV 19 2009


GATINEAU
Île Kettle
QUEBEC
ONTARIO
OUTAOUAIS
RIVIERE DES OUTAOUAIS
OTTAWA RIVER
ROCKCLIFFE PARK
VANIER
OTTAWA
Rockcliffe Airport
Canada Aviation Museum
Canadian Police College
Rideau Hall
National Research Council of Canada
Montfort
Children's Hospital of E. Ont.
Ottawa (General Campus)
Ottawa (Riverside Campus)
Ottawa City Hall
RCMP Headquarters
Lynx Stadium
Canada Science and Technology Museum
Rideau River Park
Pine View Municipal Golf Course
Robert O. Pickard Environmental Centre
To Masson-Angers
To Hawkesbury
To Cassolman
ROCKCLIFFE PKWY.
MONTREAL
HEMLOCK RD.
MACKAY ST.
BEECHWOOD AVE.
MCARTHUR AVE.
COVENTRY RD.
TREMBLAY RD.
INDUSTRIAL AVE.
SMYTH RD.
RUSSELL RD.
WALKLEY RD.
OGILVIE RD.
BLAIR RD.
CYRVILLE RD.
ANDERSON RD.
RIVERSIDE DR.
ST. LAURENT BLVD.
ST. LOUIS
BOUL. MALONEY OUEST
BOUL. MALONEY EST
Parc de la Baie
Club de Golf Tecumseh
Lyon
Hemlock Rd.
Bishop Blvd.
Cedar Rd.
Naskapi Dr.
Elmridge Dr.
Applebrook St.
Crowhill St.
Seguin St.
Britanny Dr.
Cartier's Rd.
Codd's Rd.
Burma Rd.
Cottage Row
Venus
Dufibe Dr.
Via
Davidson Dr.
Rothwell Dr.
Blair Rd.
Massey Ln.
Quincy Ave.
Kenmar Dr.
Delong Dr.
Rebecca Cr.
La Verendrye Dr.
Ogilvie Rd.
Filmore Cr.
Enstrale Rd.
Stratford Rd.
Canotek Rd.
Sandridge Rd.
Hillsdale Rd.
Lakeway Dr.
Birch Ave.
Eastbourne Ave.
St. Laurent Blvd.
Cobrin Rd.
Springfield Vista
Minto Rd.
Acacia Rd.
Linspar Rd.
Buena Vista Rd.
Rockcliffe Park
Mariposa Ave.
Maple Ln.
Rideau Ter.
Burman Ave.
Jolliet Ave.
Marier Ave.
Des Pores Blancs Ave.
Granville St.
Ivy Cr.
Dufferin Rd.
Stanley Ave.
Landry St.
Barbeau St.
Deschamps St.
Lafontaine Ave.
Rue de l'Eglise
Guy St.
Blake Blvd.
Jeanne Mance St.
Clarke Ave.
Claudin St.
Gardenville Ave.
Cummings Ave.
Aviation Pkwy.
Plumber Ave.
Chamberlain Dr.
Matheson Dr.
Carsboro Rd.
Halmont Dr.
City Park Dr.
Palmerston Dr.
Meadowbrook Rd.
Bayerpond Dr.
Stonehenge Cr.
Marlborough Rd.
Parisien St.
Labrie Ave.
Algoma Rd.
Cornstock Rd.
Star Top Rd.
Michael St.
Kenaston St.
Belfast Rd.
Terminal Ave.
Coronation Ave.
Blair St.
Station Blvd.
Shelley Ave.
Bolton Ave.
Browning Ave.
Knox Cr.
Alta Vista Dr.
Riverside Dr.
Colonel By Dr.
Mulchmor Dr.
Bank St.
Driwy.
Isabella St.
Lees Ave.
Nicholas St.
Somerset St. E.
Templeton St.
Mann Ave.
Carrier St.
Elgin St.
Wilbrod St.
Stewart St.
Rideau St.
York St.
Waller St.
Nelson St.
Patrick St.
Besserer St.
Osborne St.
Charlotte St.
Rennie Rd.
Edward Ave.
Helena St.
Chapel St.
Osgoode St.
Margueritte Ave.
Donald St.
Queen St.
Mary St.
Preland St.
Lola St.
Quill St.
Hardy Ave.
Hardy Rd.
Bronson Ave.
Telford Ave.
Bronson St.
Bronson Rd.
Bronson Pl.
Jeffrey St.
Ryder St.
Ryder Rd.
Hilary Ave.
Alta Vista Dr.
Prospect Ave.
Orchard Ave.
Grace St.
Camborne Cr.
Louisiana Ave.
Featherston Dr.
Juno Ave.
Woodcrest Rd.
Cunningham Ave.
Playfair Dr.
Mountbatten Ave.
Thessaly Cr.
Pleasant Park Rd.
Billings Ave.
Roger Rd.
Fairbanks Ave.
Highbridge Rd.
Lynda Lane Park
Portage Ave.
Dorset Ave.
Chapman Blvd.
Saunderson
Othello Ave.
Arch St.
Hale Dr.
Delmar Dr.
Canterbury Ave.
Halifax Dr.
Hanley Rd.
Urbandale Dr.
Valley Dr.
St. Laurent Blvd.
Joliette St.
Tierney Rd.
Melfort St.
Southvale Cr.
Lancaster Rd.
Ramsayville Rd.
Sheffield Rd.
Bontree St.
Old Innes Rd.
Innes Rd.
Swansea Cr.
Agnes Dr.
Belgreen Dr.
Hawthorne Rd.
Sunnyside Ave.
Cameron Ave.
Riverdale Ave.
Seneca St.
Blossom Dr.
Niagara Rd.
Kirkborn Ave.
Beaverbrook Rd.
Randall Ave.
Apeldoorn Ave.
Clendaline Ave.
Byles Ave.
Frame Cr.
Ida Centre Rd.
Riverside Dr.
Bridgehead Dr.
Ave.
Rd.
Dr.
Cr.
Pl.
Ln.
Ct.
Blvd.
Pkwy.
Sq.
Ter.
Cres.
Trail
Way
Gate
Private
Hwy.
CN
CP
Site
2009
NOV 19 2009
C-6964 2106949

Ontario — Ministry of the Environment and Climate Change

Well Record for Well Cluster – Part 1 of 3

(Only for Multiple Test Holes or Dewatering Wells)

Regulation 903 Ontario Water Resources Act

All measurements recorded in: ☐ Metric ☑ Imperial

Follow instructions on the front and back of this form. Print or Type

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)	Lot(s)	Concession(s)	Geographic Township	County/District/Upper Tier Municipality
Glyn Ave				

City, Town, Village or Hamlet	Province	GPS Unit Make	Model	Unit Mode of Operation
Ottawa	Ontario	Apple iPhone	6	☐ 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 — Date (yyyy/mm/dd): 2017/06/23

Well Details

Well # on Drawing	UTM Coordinates Zone	Easting	Northing	Hole Depth (m/ft)	Hole Diameter (cm/in)	Method of Construction	Casing Material; Diameter (cm/in)	Casing (m/ft) From	Casing (m/ft) To	Screen Interval (m/ft) From	Screen Interval (m/ft) To	Annular Space Material (m/ft) From	Annular Space Material (m/ft) To	Annular Space Material: Material:	Overburden/Bedrock or Abandonment Filing Material Intervals (m/ft)	Static Water Level (m/ft)	Date of Completion (yyyy/mm/dd)
16-1	18	448774	5030517	12'	8"	Auger	2"								2090 Bentonite Slurry from bottom to 15' from surface, 1' of chips and 6" cold patch asphalt		2017/05/30
16-2	18	Destroyed			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	Business Address (Street Number/Name, RR)	Municipality	Province
CCC Drilling	48-2627 Edinburgh Place	Ottawa	ON

Postal Code	Bus. Telephone No.	Well Contractor's Licence No.	Business E-mail Address
K1B5M1	6137375227	C-7543	mwebb@cccdrilling.com

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

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

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)	Audit No.
JUL 05 2017	C 36211

Comments:

Ministry's Copy

Joshua Dempsey

From: Public Information Services <publicinformationservices@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 publicinformationservices@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
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)

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,

PATERSON GROUP
SOLUTION ORIENTED ENGINEERING

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

Consulting Engineers
9 Auriga Drive
Ottawa, Ontario
K2E 7T9
Tel: (613) 226-7381

Geotechnical Engineering
Environmental Engineering
Hydrogeology
Materials Testing
Building Science
Rural Development Design
Retaining Wall Design
Noise and Vibration Studies

patersongroup.ca

April 10, 2024
File: PE6501-HLUI

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

Subject: **Authorization Letter, HLUI Search**
Phase I-Environmental Site Assessment
304 & 308 Donald Street, Ottawa ON

Dear Sir/Madame,

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

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

Name of Company/Property Owner: Upscale homes

Name of Representative Alfred abboud

Signature of Representative _____

Date April12,2024

DATABASE REPORT

Project Property:	*Phase I ESA - 304 Donald Street* *304 Donald Street* *Ottawa ON K1K 1M5*
Project No:	*P.O. 59919/PE6501*
Report Type:	*Standard Report*
Order No:	*24041000213*
Requested by:	*Paterson Group Inc.*
Date Completed:	*April 16, 2024*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*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

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	4	4
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	6	6
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	9	9
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	12	12
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	1	1
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0

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

Database	Name	Searched	Project Property	Within 0.25 km	Total
Total:			0	63	63

Executive Summary: Site Report Summary - Project Property

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

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	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	24
1	ECA	City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	NE/40.3	-0.31	24
1	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	24
1	ECA	City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	NE/40.3	-0.31	25
1	ECA	City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	NE/40.3	-0.31	25
2	SPL	Vern's Heating<UNOFFICIAL>	324 Donald Street Ottawa ON	E/58.5	-0.31	25
3	EHS		261 and 265 Columbus Avenue Ottawa ON K1K 1P5	WSW/81.4	2.15	26
4	SPL		294 Columbus Ave, Ottawa OTTAWA ON	SE/91.4	0.37	26
5	SPL	PETRO-CANADA	AL'S STEAKHOUSE, 320 FULLERTON TANK TRUCK (CARGO) OTTAWA CITY ON K1K 1K3	NNE/115.1	-1.31	27
6	SPL		275 Donald St, Ottawa OTTAWA ON	W/119.0	1.94	28
7	SPL	319 Fullerton Street<UNOFFICIAL>	319 Fullerton Street Ottawa ON	NNE/125.1	-1.31	29

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

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

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

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

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

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	NW	184.54	15
	ON	E	234.06	31
	ON	WSW	248.58	36

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	ENE	207.97	20

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Yvon Leo Cayer	5 Quill St Ottawa ON K1L 8E7	WSW	219.61	25

Lower Elevation	Address	Direction	Distance (m)	Map Key
City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	NE	40.33	1

City of Ottawa	Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario Ottawa ON K2G 6J8	NE	40.33	1
City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	NE	40.33	1
City of Ottawa	Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario Ottawa ON K2G 6J8	NE	40.33	1
City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	NE	40.33	1

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	261 and 265 Columbus Avenue Ottawa ON K1K 1P5	WSW	81.42	3
	Glynn Ave Ottawa ON	SE	164.85	13
	Columbus Avenue between Vanier Parkway and Lola Street Ottawa ON	WSW	206.29	19
	33 Quill Street Ottawa ON K1K 4E7	SSW	239.94	33

Lower Elevation	Address	Direction	Distance (m)	Map Key
	351 Donald St. Ottawa ON K1K 1M4	ENE	158.76	12
	Spartan Ave Ottawa ON K1K	NE	236.39	32

	Spartan Ave Ottawa ON K1K	NE	236.39	32
	Spartan Ave Ottawa ON K1K	NE	236.39	32
	Spartan Ave Ottawa ON K1K	NE	236.39	32

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
CITY OF OTTAWA	320 COLUMBUS AVENUE OTTAWA ON K1K 1P4	ESE	175.47	14
City of Ottawa	33 Quill Street Ottawa ON	SSW	239.94	33
City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	SSW	239.94	33
City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	SSW	239.94	33
City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	SSW	239.94	33
City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	SSW	239.94	33
City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	SSW	239.94	33

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

HINC - TSSA Historic Incidents

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

Lower Elevation	Address	Direction	Distance (m)	Map Key
	971 LOLA STREET OTTAWA ON K1K 3P4	ENE	220.19	26

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	OPP 269 GLYNN AVENUE, OTTAWA ON K1K 1S2	SSW	125.78	8

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.

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

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

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.

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

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

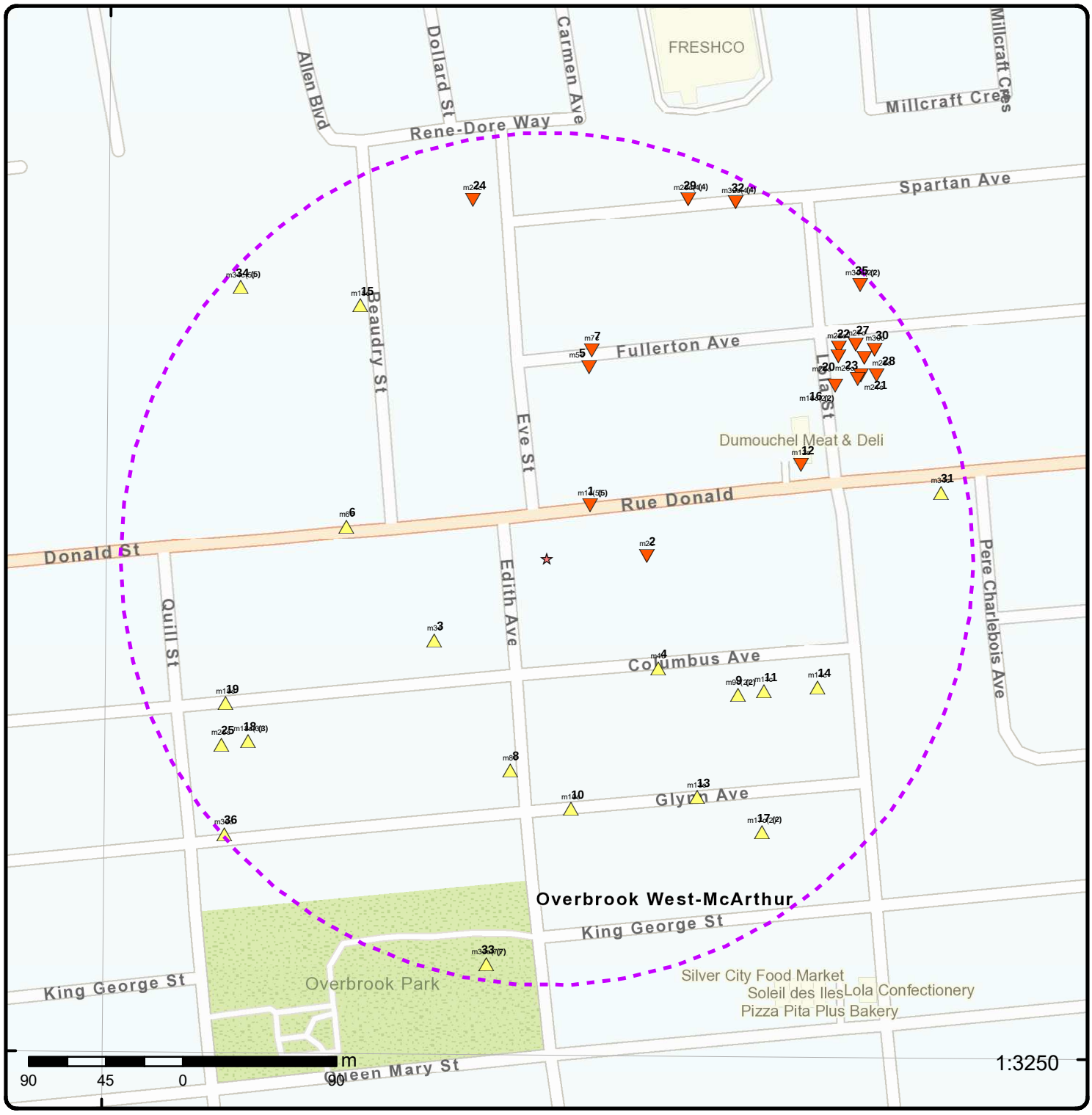
Lower Elevation	Address	Direction	Distance (m)	Map Key
Vern's Heating<UNOFFICIAL>	324 Donald Street Ottawa ON	E	58.54	2
PETRO-CANADA	AL'S STEAKHOUSE, 320 FULLERTON TANK TRUCK (CARGO) OTTAWA CITY ON K1K 1K3	NNE	115.06	5
319 Fullerton Street<UNOFFICIAL>	319 Fullerton Street Ottawa ON	NNE	125.15	7
	337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

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON ***Well ID:*** 7289479	S	147.13	10

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



Map: 0.25 Kilometer Radius

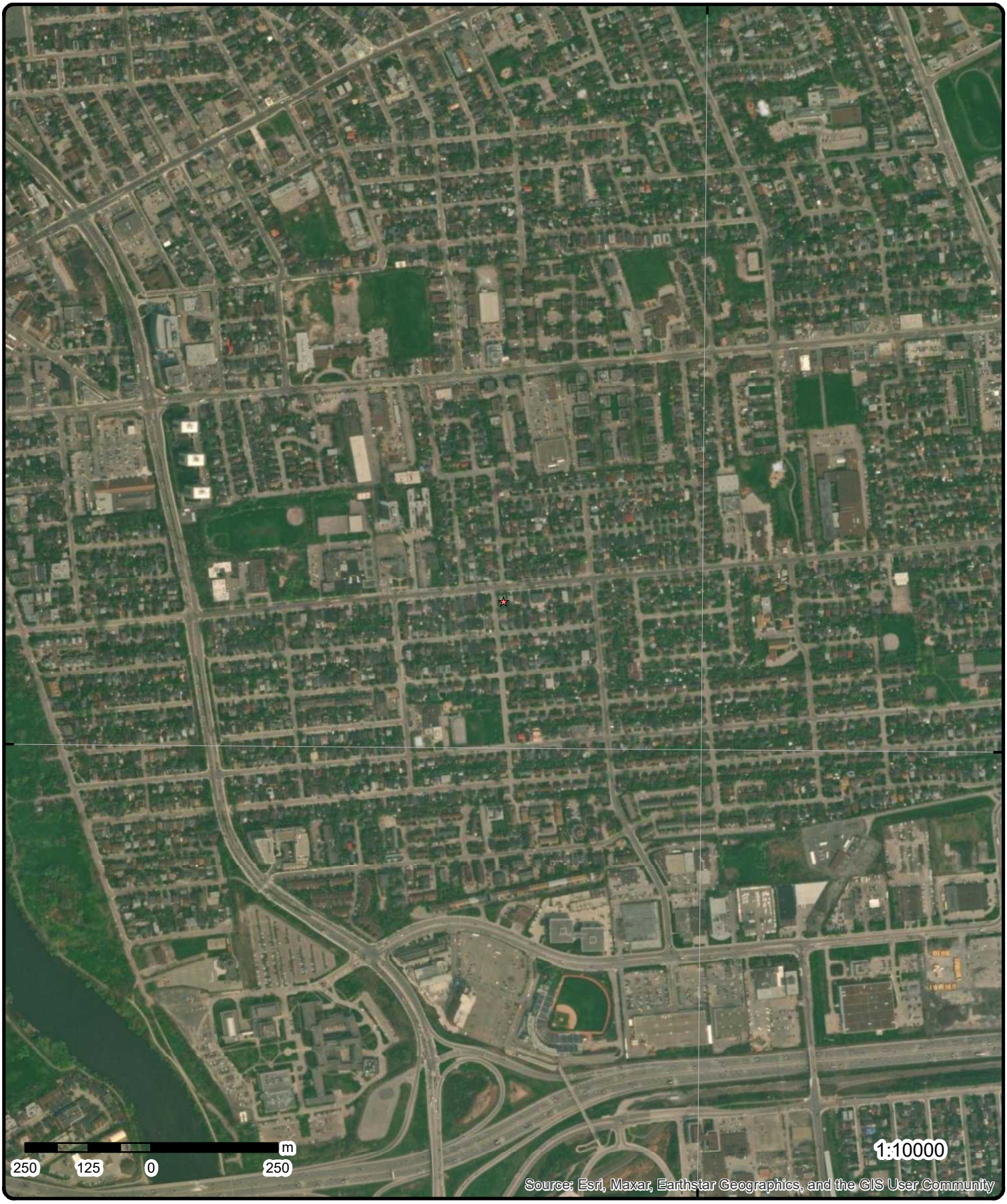
Order Number: 24041000213

Address: 304 Donald Street, Ottawa, ON

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

75°39'W

45°25'30"N



45°25'30"N

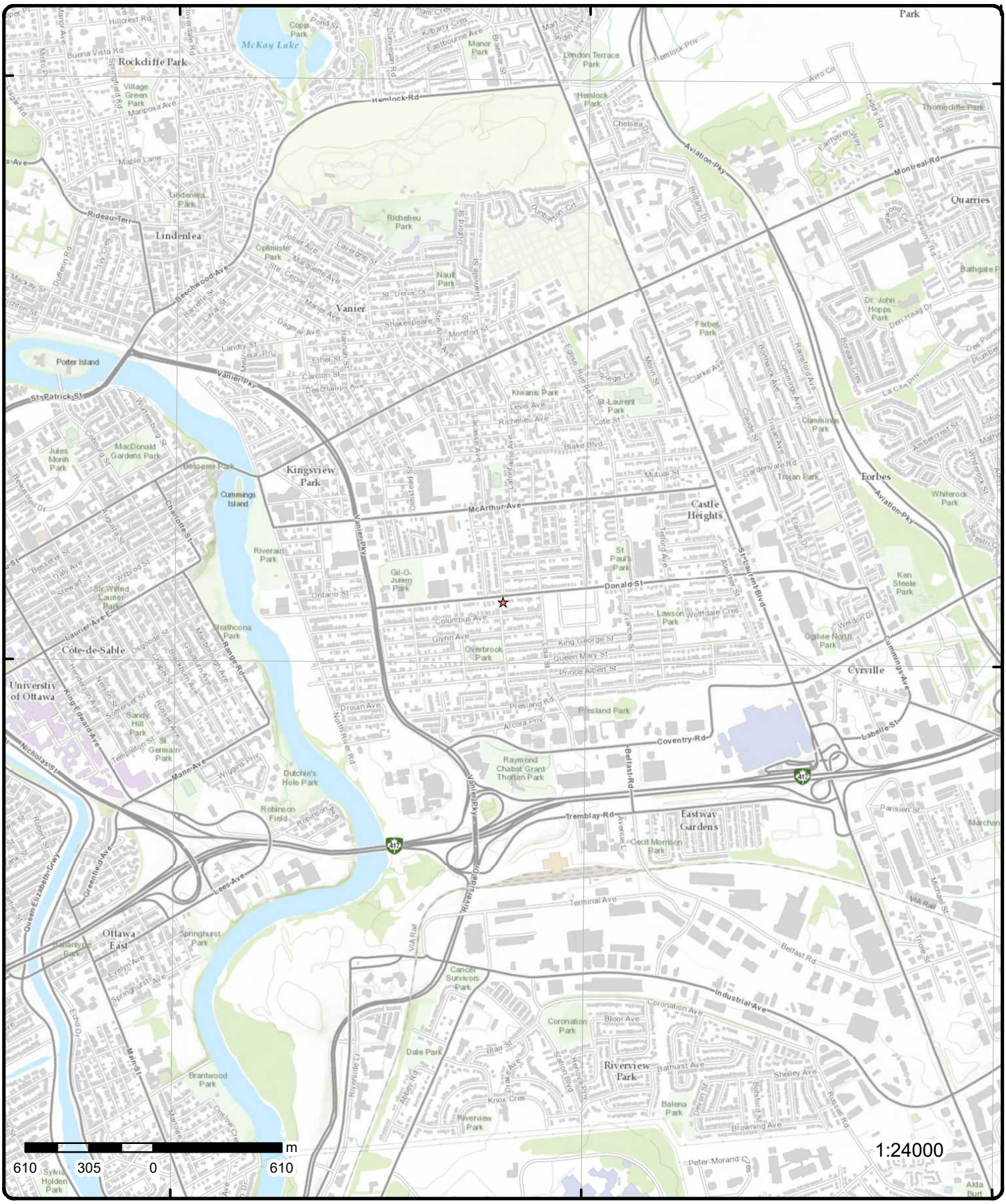
Aerial

Year: 2023

Order Number: 24041000213

Address: 304 Donald Street, Ottawa, ON

Source: ESRI World Imagery



Topographic Map

Address: 304 Donald Street, ON

Source: ESRI World Topographic Map

Order Number: 24041000213

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 5	NE/40.3	59.9 / -0.31	City of Ottawa Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario Ottawa ON K2G 6J8	ECA

Approval No:	2291-7DANJV	**MOE District:**	Ottawa
Approval Date:	2008-04-02	**City:**	
Status:	Approved	**Longitude:**	-75.6547
Record Type:	ECA	**Latitude:**	45.4279
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	
Approval Type:	ECA-Municipal Drinking Water Systems		
Project Type:	Municipal Drinking Water Systems		
Business Name:	City of Ottawa		
Address:	Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario		
Full Address:			
Full PDF Link:			
PDF Site Location:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	2 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

Approval No:	4665-6Q3GPK	**MOE District:**	Ottawa
Approval Date:	2006-05-28	**City:**	
Status:	Approved	**Longitude:**	-75.6547
Record Type:	ECA	**Latitude:**	45.4279
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	City of Ottawa		
Address:	North River Road (between Wright St , and Montreal Road)		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0741-6PWRJ4-14.pdf		
PDF Site Location:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	3 of 5	NE/40.3	59.9 / -0.31	City of Ottawa Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario Ottawa ON K2G 6J8	ECA

Approval No:	3106-7DANAJ	**MOE District:**	Ottawa
Approval Date:	2008-04-02	**City:**	
Status:	Approved	**Longitude:**	-75.6547
Record Type:	ECA	**Latitude:**	45.4279
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	City of Ottawa		
Address:	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

Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6840-7CVPE5-14.pdf
PDF Site Location:

---

1 | **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**

Approval No: 6915-6PVHAS
Approval Date: 2006-05-19
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
MOE District: Ottawa
City:
Longitude: -75.6547
Latitude: 45.4279
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: City of Ottawa
Address: North River Road (between Wright St , and Montreal Road)
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4705-6PFRQW-14.pdf
PDF Site Location:

---

1 | **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**

Approval No: 6657-6PVHM8
Approval Date: 2006-05-19
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
MOE District: Ottawa
City:
Longitude: -75.6547
Latitude: 45.4279
Geometry X:
Geometry Y:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Business Name: City of Ottawa
Address: North River Road (between Wright St , and Montreal Road)
Full Address:
Full PDF Link:
PDF Site Location:

---

2 | **1 of 1** | **E/58.5** | **59.9 / -0.31** | **Vern's Heating<UNOFFICIAL>**
324 Donald Street
Ottawa ON | **SPL**

Ref No: 2370-9EAN49
Year:
Incident Dt: 2013/12/11
Dt MOE Arvl on Scn:
MOE Reported Dt: 2013/12/11
Dt Document Closed:
Site No:
MOE Response: Referral to others
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name: Section 21 (business, home office)<UNOFFICIAL>
Site Address: 324 Donald Street
Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Health/Env Conseq:
Agency Involved:

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

Site Region:	
Site Municipality:	Ottawa
Site Lot:	
Site Conc:	
Site Geo Ref Accu:	
Site Map Datum:	
Northing:	
Easting:	
Incident Cause:	Leak/Break
Incident Event:	
Environment Impact:	Not Anticipated
Nature of Impact:	Other Impact(s)
Contaminant Qty:	1 L
System Facility Address:	
Client Name:	Vern's Heating<UNOFFICIAL>
Client Type:	
Source Type:	
Contaminant Code:	13
Contaminant Name:	FURNACE OIL
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	
Incident Reason:	Equipment Failure
Incident Summary:	TSSA: 1 L furnace oil spill, indoors
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	Tank - Indoors
SAC Action Class:	Land Spills
Call Report Locatn Geodata:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	WSW/81.4	62.3 / 2.15	261 and 265 Columbus Avenue Ottawa ON K1K 1P5	EHS

Order No:	20180807021	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	RSC Report (Urban)	**Client Prov/State:**	ON
Report Date:	10-AUG-18	**Search Radius (km):**	.3
Date Received:	07-AUG-18	**X:**	-75.655858
Previous Site Name:		**Y:**	45.427181
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 1	SE/91.4	60.6 / 0.37	294 Columbus Ave, Ottawa OTTAWA ON	SPL

Ref No:	1-3HJG1Q	**Municipality No:**	
Year:		**Nature of Damage:**	
Incident Dt:	5/29/2023 1:04:57 PM	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	5/29/2023 1:47:57 PM	**Health/Env Conseq:**	
Dt Document Closed:		**Agency Involved:**	
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:	294 Columbus Ave, Ottawa		
Site Region:			

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

---

5 | ***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***

Ref No:	45439	**Municipality No:**	20101
Year:		**Nature of Damage:**	
Incident Dt:	12/20/1990	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	12/20/1990	**Health/Env Conseq:**	
Dt Document Closed:		**Agency Involved:**	
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:	VALVE/FITTING LEAK OR FAILURE		
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: ICE/FROST DAMAGE
Incident Summary: PETROCANADA-3 L OF OIL TOGROUND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:

6	1 of 1	W/119.0	62.1 / 1.94	275 Donald St, Ottawa OTTAWA ON	SPL

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

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

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"],"wkts":["POINT (-75.6565325000 45.4279960000)"],"creation_date":"2022-11-04"}

---

7 | **1 of 1** | **NNE/125.1** | **58.9 / -1.31** | **319 Fullerton Street<UNOFFICIAL>**
319 Fullerton Street
Ottawa ON | **SPL**

Ref No: 3758-6QRTFK
Year:
Incident Dt: 6/14/2006
Dt MOE Arvl on Scn:
MOE Reported Dt: 6/14/2006
Dt Document Closed:
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:

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

---

8 | **1 of 1** | **SSW/125.8** | **61.9 / 1.69** | **OPP 269 GLYNN AVENUE, OTTAWA ON K1K 1S2** | **INC**

Incident No: 187090
Incident ID: 2338024
Instance No:
Status Code: Causal Analysis Complete

Any Health Impact:
Any Enviro Impact:
Service Intrp:
Was Prop Damaged:

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

Incident Status:		**Reside App. Type:**	
Incident Severity:		**Commer App. Type:**	
Task No:		**Indus App. Type:**	
Attribute Category:	FS-Incident	**Institut App. Type:**	
Context:		**Depth Ground Cover:**	16
Date of Occurrence:		**Operation Pressure:**	40
Time of Occurrence:		**Equipment Type:**	
Occr Insp Start Dt:		**Equipment Model:**	
Incident Creat On:		**Serial No:**	
Instance Creat Dt:		**Cylinder Capacity:**	
Instance Install Dt:		**Cylinder Cap Units:**	
Approx Quant Rel:		**Cylinder Mat Type:**	
Tank Capacity:		**Pump Flow Rate Cap:**	
Fuels Occur Type:		**Contam. Migrated:**	
Occur Type Rpt:		**Near Body of Water:**	
Occur Category:		**Drainage System:**	
Fuel Type Involved:		**Sub Surface Contam:**	
Fuel Type Reported:		**Tank Material Type:**	
Enforcement Policy:		**Tank Storage Type:**	
Prc Escalation Req:		**Tank Location Type:**	
Item:			
Item Description:			
Device Installed Location:			
Venting Type:			
Vent Conn Mater:			
Vent Chimney Mater:			
Pipeline Type:	Main Distribution Pipeline		
Pipeline Involved:			
Pipe Material:	Plastic		
Regulator Location:			
Regulator Type:			
Liquid Prop Make:			
Liquid Prop Model:			
Liquid Prop Serial No:			
Liquid Prop Notes:			
Inventory Address:	OPP 269 GLYNN AVENUE, OTTAWA - 1 1/4" PIPELINE HIT		
Invent Postal Code:			
Notes:			
Contact Natural Env:			
Aff Prop Use Water:			
Occurence Narrative:	Contractor exposed the gas main then excavated directly over the main wuth a backhoe. gas main was damaged when the main rose in the ground.		
Operation Type Involved:			

9	*1 of 2*	*ESE/137.4*	*60.9 / 0.69*	***NORMAND EXCAVATION*** ***308 COLUMBUS AVE,,OTTAWA,ON,K1K 1P4,CA*** ***ON***	***PINC***

Incident Id:		**Pipe Material:**	
Incident No:	1936038	**Fuel Category:**	
Incident Reported Dt:	9/7/2016	**Health Impact:**	
Type:	FS-Pipeline Incident	**Environment Impact:**	
Status Code:		**Property Damage:**	
Tank Status:	Pipeline Damage Reason Est	**Service Interrupt:**	
Task No:		**Enforce Policy:**	
Spills Action Centre:		**Public Relation:**	
Fuel Type:		**Pipeline System:**	
Fuel Occurrence Tp:		**PSIG:**	
Date of Occurrence:		**Attribute Category:**	
Occurrence Start Dt:		**Regulator Location:**	
Depth:		**Method Details:**	
Customer Acct Name:	NORMAND EXCAVATION		
Incident Address:	308 COLUMBUS AVE,,OTTAWA,ON,K1K 1P4,CA		
Operation Type:			

Pipeline Type:
Regulator Type:
Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:

---

9 | ***2 of 2*** | ***ESE/137.4*** | ***60.9 / 0.69*** | ***308 Columbus Avenue Ottawa ON*** | ***SPL***

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

---

10 | ***1 of 1*** | ***S/147.1*** | ***61.9 / 1.74*** | ***ON*** | ***WWIS***

Well ID:	7289479	***Flowing (Y/N):***	

Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	Yes
Use 2nd:		**Data Src:**	
Final Well Status:		**Date Received:**	07/05/2017
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	C36211	**Contractor:**	7543
Tag:		**Form Version:**	8
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	OTTAWA CITY		
Site Info:			

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:	
Year Completed:	
Depth (m):	
Latitude:	45.4262979321232
Longitude:	-75.6548240927913
Path:	

Bore Hole Information

Bore Hole ID:	1006601504	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	448774.00
Code OB Desc:		**North83:**	5030517.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:		**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Links

Bore Hole ID:	1006601504	**Tag No:**	
Depth M:		**Contractor:**	7543
Year Completed:		**Latitude:**	45.4262979321232
Well Completed Dt:		**Longitude:**	-75.6548240927913
Audit No:	C36211	**Y:**	45.42629792513695
Path:		**X:**	-75.65482393089283

11	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

Ref No:	3992	**Municipality No:**	20101
Year:		**Nature of Damage:**	
Incident Dt:	5/20/1988	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	5/20/1988	**Health/Env Conseq:**	
Dt Document Closed:		**Agency Involved:**	
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:	COOLING SYSTEM LEAK		
Incident Event:			
Environment Impact:			
Nature of Impact:			
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:	WATER		
Incident Reason:	UNKNOWN		
Incident Summary:	675 LTR OF FURNACE OIL TO SANITARY SEWER FROM RESIDENTIAL TANK.		
Activity Preceding Spill:			
Property 2nd Watershed:			
Property Tertiary Watershed:			
Sector Type:			
SAC Action Class:			
Call Report Locatn Geodata:			

12	*1 of 1*	*ENE/158.8*	*59.9 / -0.31*	***351 Donald St.*** ***Ottawa ON K1K 1M4***	***EHS***

Order No:	20050316005	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:		**Client Prov/State:**	ON
Report Date:	3/17/2005	**Search Radius (km):**	0.25
Date Received:	3/16/2005	**X:**	-75.653122
Previous Site Name:		**Y:**	45.428122
Lot/Building Size:			
Additional Info Ordered:			

13	*1 of 1*	*SE/164.8*	*60.9 / 0.69*	***Glynn Ave*** ***Ottawa ON***	***EHS***

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

Order No:	20160411134	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	18-APR-16	**Search Radius (km):**	.3
Date Received:	11-APR-16	**X:**	-75.65388
Previous Site Name:		**Y:**	45.426367
Lot/Building Size:	0.7 ha		
Additional Info Ordered:			

---

14 | **1 of 1** | **ESE/175.5** | **60.9 / 0.69** | **CITY OF OTTAWA**
320 COLUMBUS AVENUE
OTTAWA ON K1K 1P4 | **GEN**

Generator No:	ON9287804
SIC Code:	913910
SIC Description:	913910
Approval Years:	2015
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:	251
Waste Class Name:	OIL SKIMMINGS & SLUDGES

---

15 | **1 of 1** | **NW/184.5** | **61.2 / 0.97** | **ON** | **BORE**

Borehole ID:	613558	**Inclin FLG:**	No
OGF ID:	215514811	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:		**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.428946
Total Depth m:	-999	**Longitude DD:**	-75.656431
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	448651
Drill Method:		**Northing:**	5030812
Orig Ground Elev m:	64	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	62.9		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218395607	**Mat Consistency:**	Loose
Top Depth:	.3	**Material Moisture:**	
Bottom Depth:	2.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	

Material 2: ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: SAND. LOOSE.

Geology Stratum ID: 218395606 ***Mat Consistency:***
Top Depth: 0 ***Material Moisture:***
Bottom Depth: .3 ***Material Texture:***
Material Color: ***Non Geo Mat Type:***
Material 1: Soil ***Geologic Formation:***
Material 2: ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: SOIL.

Geology Stratum ID: 218395608 ***Mat Consistency:*** Loose
Top Depth: 2.4 ***Material Moisture:***
Bottom Depth: ***Material Texture:***
Material Color: ***Non Geo Mat Type:***
Material 1: Till ***Geologic Formation:***
Material 2: ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: 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

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

Source List

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

---

16 ***1 of 2*** ***ENE/197.2*** ***59.9 / -0.31*** ***971 LOLA STREET lot 49 Ottawa ON*** ***WWIS***

Well ID: 7134491 ***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: Z106949 ***Contractor:*** 6964
Tag: A032213 ***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:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	OTTAWA CITY		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/713\7134491.pdf

Additional Detail(s) (Map)

Well Completed Date:	11/06/2009
Year Completed:	2009
Depth (m):	
Latitude:	45.428541438391
Longitude:	-75.6528685833327
Path:	713\7134491.pdf

Bore Hole Information

Bore Hole ID:	1002835190	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	448929.00
Code OB Desc:		***North83:***	5030765.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	11/06/2009	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1003024227
Layer:	1
Plug From:	0.0
Plug To:	4.400000095367432
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1003024231
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1003024224
Casing No:	0
Comment:	

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

---

16 **2 of 2** **ENE/197.2** **59.9 / -0.31** **971 LOLA ST. lot 49 OTTAWA ON** **WWIS**

Well ID: 7134363
Construction Date:
Use 1st: Test Hole
Use 2nd:
Final Well Status: Test Hole
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 11/18/2009

Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z106948	**Contractor:**	6964
Tag:	A032213	**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:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	OTTAWA CITY		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/713\7134363.pdf

Additional Detail(s) (Map)

Well Completed Date:	10/13/2009
Year Completed:	2009
Depth (m):	4.4
Latitude:	45.428541438391
Longitude:	-75.6528685833327
Path:	713\7134363.pdf

Bore Hole Information

Bore Hole ID:	1002832211	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	448929.00
Code OB Desc:		**North83:**	5030765.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	10/13/2009	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1002923742
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	1.7999999523162842
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002923743
Layer:	2
Color:	
General Color:	
Mat1:	17
Most Common Material:	SHALE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1.7999999523162842
Formation End Depth:	4.400000095367432
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1002923747
Layer:	2
Plug From:	0.800000011920929
Plug To:	4.400000095367432
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1002923746
Layer:	1
Plug From:	0.0
Plug To:	0.800000011920929
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1002923753
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	1002923741
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1002923749
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	1.25
Casing Diameter:	3.5
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Casing

Casing ID:	1002923750
Layer:	2
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1002923751
Layer:	1
Slot:	10
Screen Top Depth:	1.25
Screen End Depth:	4.400000095367432
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.099999904632568

Water Details

Water ID:	1002923748
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	2.740000009536743
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1002923745
Diameter:	5.599999904632568
Depth From:	1.899999976158142
Depth To:	4.400000095367432
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1002923744
Diameter:	7.5
Depth From:	0.0
Depth To:	1.899999976158142
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	1002832211	***Tag No:***	A032213
Depth M:	4.4	***Contractor:***	6964
Year Completed:	2009	***Latitude:***	45.428541438391
Well Completed Dt:	10/13/2009	***Longitude:***	-75.6528685833327
Audit No:	Z106948	***Y:***	45.42854143129871
Path:	713\7134363.pdf	***X:***	-75.65286842114848

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
17	1 of 2	SE/203.8	60.9 / 0.69	Enbridge Gas Distribution Inc. 306 Glynn Ave Ottawa ON	SPL

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

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Health/Env Conseq: 2 - Minor Environment
Agency Involved:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
17	2 of 2	SE/203.8	60.9 / 0.69	LANDROCK EXCAVATION INC 306 GLYNN AVE,,OTTAWA,ON,K1K 1S1,CA ON	PINC

Incident Id:
Incident No: 2116020
Incident Reported Dt: 7/12/2017
Type: FS-Pipeline Incident
Status Code:
Tank Status: Pipeline Damage Reason Est
Task No:
Spills Action Centre:
Fuel Type:

Pipe Material:
Fuel Category:
Health Impact:
Environment Impact:
Property Damage:
Service Interrupt:
Enforce Policy:
Public Relation:
Pipeline System:

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

Fuel Occurrence Tp:		**PSIG:**	
Date of Occurrence:		**Attribute Category:**	
Occurrence Start Dt:		**Regulator Location:**	
Depth:		**Method Details:**	
Customer Acct Name:	LANDROCK EXCAVATION INC		
Incident Address:	306 GLYNN AVE,,OTTAWA,ON,K1K 1S1,CA		
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:			
Reported By:			
Affiliation:			
Occurrence Desc:			
Damage Reason:			
Notes:			

---

18 | ***1 of 3*** | ***WSW/205.0*** | ***63.6 / 3.38*** | ***PRIVATE RESIDENCE***
230 COLUMBUS AVE. (N.O.S.)
OTTAWA CITY ON K1K 1P6 | ***SPL***

Ref No:	109227	**Municipality No:**	20101
Year:		**Nature of Damage:**	
Incident Dt:	1/14/1995	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	1/17/1995	**Health/Env Conseq:**	
Dt Document Closed:		**Agency Involved:**	
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:	CONFIRMED		
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:	ERROR		
Incident Summary:	PRIVATE RESIDENCE- 3L MO-TOR OIL FROM UNCOVERED PAN TO GROUND,CLEANING UP		
Activity Preceding Spill:			
Property 2nd Watershed:			
Property Tertiary Watershed:			
Sector Type:			
SAC Action Class:			

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

Call Report Locatn Geodata:

---

18 | ***2 of 3*** | ***WSW/205.0*** | ***63.6 / 3.38*** | ***NORMAND EXCAVATION***
230 COLUMBUS AVE,,OTTAWA ,ON,K1K 1P6,CA
ON | ***PINC***

Incident Id:
Incident No: 1973674
Incident Reported Dt: 11/9/2016
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: NORMAND EXCAVATION
Incident Address: 230 COLUMBUS AVE,,OTTAWA ,ON,K1K 1P6,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:

---

18 | ***3 of 3*** | ***WSW/205.0*** | ***63.6 / 3.38*** | ***Enbridge Gas Distribution Inc.***
230 Columbus Ave
Ottawa ON | ***SPL***

Ref No: 6473-AFJPNV
Year:
Incident Dt: 2016/11/09
Dt MOE Arvl on Scn:
MOE Reported Dt: 2016/11/09
Dt Document Closed: 2016/11/16
Site No: NA
MOE Response: No
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name: Enbridge - 1/ 2 in gasline<UNOFFICIAL>
Site Address: 230 Columbus Ave
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause:
Incident Event: Leak/Break
Environment Impact:
Nature of Impact:
Contaminant Qty: 0 other - see incident description

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

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

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

---

19 | ***1 of 1*** | ***WSW/206.3*** | ***63.9 / 3.69*** | ***Columbus Avenue between Vanier Parkway and Lola Street Ottawa ON*** | ***EHS***

Order No:	20150612026	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	RSC Premium Package (Urban)	**Client Prov/State:**	ON
Report Date:	19-JUN-15	**Search Radius (km):**	.3
Date Received:	12-JUN-15	**X:**	-75.657417
Previous Site Name:		**Y:**	45.426842
Lot/Building Size:			
Additional Info Ordered:			

---

20 | ***1 of 1*** | ***ENE/208.0*** | ***59.9 / -0.31*** | ***ON*** | ***BORE***

Borehole ID:	613548	**Inclin FLG:**	No
OGF ID:	215514805	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:		**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.428696
Total Depth m:	-999	**Longitude DD:**	-75.652849
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	448931
Drill Method:		**Northing:**	5030782
Orig Ground Elev m:	61	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	59.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218395572	**Mat Consistency:**	
Top Depth:	1.2	**Material Moisture:**	
Bottom Depth:	1.8	**Material Texture:**	

Material Color:	Black	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. BLACK,PLASTIC.		

Geology Stratum ID:	218395573	**Mat Consistency:**	
Top Depth:	1.8	**Material Moisture:**	
Bottom Depth:	3.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY.		

Geology Stratum ID:	218395571	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Gravel	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL.		

Geology Stratum ID:	218395574	**Mat Consistency:**	Dense
Top Depth:	3.4	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Shale	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK. DENSE. BEDROCK. BEDROCK. 00010 020 00025 023 00050 012 00010026000 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 060560 NTS_Sheet: 31G05G		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

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

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

Well ID: 7122755
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z096600
Tag: A080418
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:
Date Received: 05/07/2009
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122755.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID: 1002422227
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/07/2009
Remarks:
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 448942.00
North83: 5030769.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

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

Mat2: 28
Mat2 Desc: SAND
Mat3: 92
Mat3 Desc: WEATHERED
Formation Top Depth: 3.0999999046325684
Formation End Depth: 4.269999980926514
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1002550557
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 06
Mat2 Desc: SILT
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 0.6100000143051147
Formation End Depth: 1.5
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1002550558
Layer: 3
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2: 28
Mat2 Desc: SAND
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 1.5
Formation End Depth: 3.0999999046325684
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1002550556
Layer: 1
Color: 8
General Color: BLACK
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.0
Formation End Depth: 0.6100000143051147
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1002550562
Layer: 2
Plug From: 0.9100000262260437
Plug To: 4.269999980926514
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1002550561
Layer: 1
Plug From: 0.0
Plug To: 0.9100000262260437
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1002550568
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1002550555
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002550564
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 1.2200000286102295
Casing Diameter: 4.03000020980835
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002550565
Layer: 1
Slot: 10
Screen Top Depth: 1.2200000286102295
Screen End Depth: 4.269999980926514
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.820000171661377

Water Details

Water ID: 1002550563
Layer:
Kind Code:
Kind:
Water Found Depth:

Water Found Depth UOM: m

Hole Diameter

Hole ID: 1002550560
Diameter: 8.25
Depth From: 0.0
Depth To: 4.269999980926514
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1002422227
Depth M: 4.27
Year Completed: 2009
Well Completed Dt: 04/07/2009
Audit No: Z096600
Path: 712\7122755.pdf
Tag No: A080418
Contractor: 7241
Latitude: 45.428578390762
Longitude: -75.6527028230159
Y: 45.42857838428045
X: -75.65270266136916

---

22 | **1 of 1** | **ENE/211.0** | **59.9 / -0.31** | **971 LOLA ST. Ottawa ON** | **WWIS**

Well ID: 7122752
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z96590
Tag: A081754
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:
Date Received: 05/07/2009
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122752.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID: 1002422218
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Elevation:
Elevrc:
Zone: 18
East83: 448931.00
North83: 5030787.00

Open Hole:
Cluster Kind:
Date Completed: 04/08/2009
Remarks:
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1002550206
Layer: 1
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2: 17
Mat2 Desc: SHALE
Mat3: 66
Mat3 Desc: DENSE
Formation Top Depth: 0.0
Formation End Depth: 0.6100000143051147
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1002550207
Layer: 2
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3: 92
Mat3 Desc: WEATHERED
Formation Top Depth: 0.6100000143051147
Formation End Depth: 1.2200000286102295
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1002550210
Layer: 2
Plug From: 0.6100000143051147
Plug To: 1.2200000286102295
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1002550209
Layer: 1
Plug From: 0.0
Plug To: 0.6100000143051147

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

Bore Hole ID:	1002422218	**Tag No:**	A081754
Depth M:	1.22	**Contractor:**	7241
Year Completed:	2009	**Latitude:**	45.4287395991109
Well Completed Dt:	04/08/2009	**Longitude:**	-75.6528453006762
Audit No:	Z96590	**Y:**	45.428739592086515
Path:	712\7122752.pdf	**X:**	-75.65284513860385

23 **1 of 1** **ENE/213.2** **59.9 / -0.31** **971 LOLA ST. Ottawa ON** **WWIS**

Well ID:	7122753	**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
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z096596	**Contractor:**	7241
Tag:	A081755	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	OTTAWA CITY		
Site Info:			

PDF URL (Map): 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

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

Overburden and Bedrock Materials Interval

Formation ID:	1002550443
Layer:	2
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	06
Mat2 Desc:	SILT
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	0.30000001192092896
Formation End Depth:	1.100000023841858
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002550442
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	01
Mat2 Desc:	FILL
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0.0
Formation End Depth:	0.30000001192092896
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1002550445
Layer:	1
Plug From:	0.0
Plug To:	0.30000001192092896
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1002550446
Layer:	2
Plug From:	0.30000001192092896
Plug To:	1.100000023841858
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1002550452
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

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

24	1 of 1	NNW/214.8	59.9 / -0.31	PIPELINE HIT 1/2" 940 EVE ST,,OTTAWA,ON,K1K 3R4,CA ON	PINC

Incident Id:
Pipe Material:

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

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

---

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:**	

Clear/Cloudy:
Municipality: OTTAWA CITY
Site Info:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 1002835193
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/13/2009
Remarks:
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone:
East83:
North83:
Org CS: UTM83
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1003024284
Layer: 1
Plug From: 0.0
Plug To: 5.0
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1003024288
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1003024281
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003024286
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:	1003024287
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Water Details

Water ID:	1003024285
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1003024283
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	m
Hole Diameter UOM:	cm

---

26 | ***2 of 2*** | ***ENE/220.2*** | ***59.9 / -0.31*** | ***971 LOLA STREET OTTAWA ON K1K 3P4*** | ***HINC***

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:	

---

27 | ***1 of 1*** | ***ENE/220.4*** | ***59.9 / -0.31*** | ***971 LOLA ST. Ottawa ON*** | ***WWIS***

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

Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z096601	**Contractor:**	7241
Tag:	A080423	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	OTTAWA CITY		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122754.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/07/2009
Year Completed:	2009
Depth (m):	4.27
Latitude:	45.4287583309863
Longitude:	-75.6527176805797
Path:	712\7122754.pdf

Bore Hole Information

Bore Hole ID:	1002422224	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	448941.00
Code OB Desc:		**North83:**	5030789.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	04/07/2009	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1002550459
Layer:	4
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	06
Mat2 Desc:	SILT
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	3.3499999046325684
Formation End Depth:	4.269999980926514
Formation End Depth UOM:	m

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

Plug ID: 1002550463
Layer: 3
Plug From: 0.9100000262260437
Plug To: 4.269999980926514
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1002550461
Layer: 1
Plug From: 0.0
Plug To: 0.30000001192092896
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1002550469
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1002550455
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002550465
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 1.2200000286102295
Casing Diameter: 4.03000020980835
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002550466
Layer: 1
Slot: 10
Screen Top Depth: 1.2200000286102295
Screen End Depth: 4.269999980926514
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.820000171661377

Water Details

Water ID: 1002550464
Layer:
Kind Code:
Kind:

Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1002550460
Diameter: 8.25
Depth From: 0.0
Depth To: 4.269999980926514
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1002422224
Depth M: 4.27
Year Completed: 2009
Well Completed Dt: 04/07/2009
Audit No: Z096601
Path: 712\7122754.pdf
Tag No: A080423
Contractor: 7241
Latitude: 45.4287583309863
Longitude: -75.6527176805797
Y: 45.42875832415441
X: -75.65271751858545

---

28 | **1 of 1** | **ENE/221.0** | **59.9 / -0.31** | **971 LOLA ST. Ottawa ON** | **WWIS**

Well ID: 7122756
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z096598
Tag: A080419
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:
Date Received: 05/07/2009
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122756.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

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

Code OB Desc:		***North83:***	5030771.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	04/07/2009	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

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

Overburden and Bedrock Materials Interval

Formation ID:	1002550573
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.6100000143051147
Formation End Depth:	2.440000057220459
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1002550578
Layer:	2
Plug From:	0.9100000262260437
Plug To:	4.269999980926514
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1002550577
Layer:	1
Plug From:	0.0
Plug To:	0.9100000262260437
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1002550584
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1002550571
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1002550580
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	1.2200000286102295
Casing Diameter:	4.03000020980835
Casing Diameter UOM:	cm

Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002550581
Layer: 1
Slot: 10
Screen Top Depth: 1.2200000286102295
Screen End Depth: 4.269999980926514
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.820000171661377

Water Details

Water ID: 1002550579
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1002550576
Diameter: 8.25
Depth From: 0.0
Depth To: 4.269999980926514
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1002422230
Depth M: 4.27
Year Completed: 2009
Well Completed Dt: 04/07/2009
Audit No: Z096598
Path: 712\7122756.pdf
Tag No: A080419
Contractor: 7241
Latitude: 45.4285971955079
Longitude: -75.6525624205067
Y: 45.4285971889014
X: -75.65256225922681

---

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

Incident Id:
Incident No: 3095146
Incident Reported Dt: 8/18/2021
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:
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:

Regulator Type:
Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:

---

29 | ***2 of 4*** | ***NNE/226.4*** | ***58.9 / -1.31*** | ***ENBRIDGE GAS INC***
337 SPARTAN AVE,,OTTAWA,ON,K1K 1J6,CA
ON | ***PINC***

Incident Id:		***Pipe Material:***	
Incident No:	3093230	***Fuel Category:***	
Incident Reported Dt:	8/12/2021	***Health Impact:***	
Type:	FS-Pipeline Incident	***Environment Impact:***	
Status Code:		***Property Damage:***	
Tank Status:	Pipeline Damage Reason Est	***Service Interrupt:***	
Task No:		***Enforce Policy:***	
Spills Action Centre:		***Public Relation:***	
Fuel Type:		***Pipeline System:***	
Fuel Occurrence Tp:		***PSIG:***	
Date of Occurrence:		***Attribute Category:***	
Occurrence Start Dt:		***Regulator Location:***	
Depth:		***Method Details:***	

Customer Acct Name: 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:

---

29 | ***3 of 4*** | ***NNE/226.4*** | ***58.9 / -1.31*** | ***337 Spartan Ave. Ottawa***
OTTAWA ON | ***SPL***

Ref No:	1-13M13O	***Municipality No:***	
Year:		***Nature of Damage:***	
Incident Dt:	8/17/2021 11:58:00 AM	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	8/17/2021 12:31:20 PM	***Health/Env Conseq:***	0 No Impact
Dt Document Closed:	11/9/2021 9:24:31 PM	***Agency Involved:***	

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:

Incident Cause:
Incident Event: Line Strike
Environment Impact: 1 Minor Impact
Nature of Impact:
Contaminant Qty: 0 other - see notes
System Facility Address:
Client Name: ENBRIDGE CONSUMERS GAS
Client Type: Private Business
Source Type: Pipeline/Components
Contaminant Code:
Contaminant Name: NATURAL GAS
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: Air
Incident Reason:
Incident Summary: Enbridge Gas: 1/2" plastic IP service line damaged; made safe
Activity Preceding Spill: Construction or repair
Property 2nd Watershed: Lower Ottawa
Property Tertiary Watershed: 02LA-Rideau
Sector Type: NATURAL GAS DISTRIBUTION
SAC Action Class:
Call Report Locatn Geodata: {"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

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

Receiving Medium:	Air
Incident Reason:	Human error (Specify)
Incident Summary:	TSSA FSB: ½" pl IP service line strike made safe
Activity Preceding Spill:	Construction or repair
Property 2nd Watershed:	Lower Ottawa
Property Tertiary Watershed:	02LA-Rideau
Sector Type:	NATURAL GAS DISTRIBUTION
SAC Action Class:	
Call Report Locatn Geodata:	{"integration_ids":["PR00003987056"],"wkts":["POINT (-75.6540042000 45.4296980000)"],"creation_date":"2021-08-12"}

30 **1 of 1** **ENE/227.9** **59.9 / -0.31** **971 LOLA ST. Ottawa ON** **WWIS**

Well ID:	7122751	**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
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z096588	**Contractor:**	7241
Tag:	A080417	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	OTTAWA CITY		
Site Info:			

PDF URL (Map): 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

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

Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	1002550167
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:	1002550169
Layer:	4
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	28
Mat2 Desc:	SAND
Mat3:	92
Mat3 Desc:	WEATHERED
Formation Top Depth:	3.3499999046325684
Formation End Depth:	4.269999980926514
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002550168
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	28
Mat2 Desc:	SAND
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	1.5
Formation End Depth:	3.3499999046325684
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002550166
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11

Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.0
Formation End Depth:	0.6100000143051147
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1002550171
Layer:	1
Plug From:	0.0
Plug To:	0.3100000023841858
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1002550177
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1002550165
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1002550173
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	1.2200000286102295
Casing Diameter:	4.03000020980835
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1002550174
Layer:	1
Slot:	10
Screen Top Depth:	1.2200000286102295
Screen End Depth:	4.269999980926514
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.820000171661377

Water Details

Water ID:	1002550172
Layer:	

Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1002550170
Diameter: 8.25
Depth From: 0.0
Depth To: 4.269999980926514
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1002422215
Depth M: 4.27
Year Completed: 2009
Well Completed Dt: 04/07/2009
Audit No: Z096588
Path: 712\7122751.pdf
Tag No: A080417
Contractor: 7241
Latitude: 45.4287321324341
Longitude: -75.6525767590291
Y: 45.42873212521804
X: -75.65257659722084

---

31 | ***1 of 1*** | ***E/234.1*** | ***60.9 / 0.69*** | ***ON*** | ***BORE***

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

Borehole Geology Stratum

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

Geology Stratum ID: 218395515
Top Depth: 5.2
Mat Consistency:
Material Moisture:

Bottom Depth: | **Material Texture:**
Material Color: | **Non Geo Mat Type:**
Material 1: Bedrock | **Geologic Formation:**
Material 2: Shale | **Geologic Group:**
Material 3: | **Geologic Period:**
Material 4: | **Depositional Gen:**
Gsc Material Description:
Stratum Description: BEDROCK. ARTIFICIAL. BEDROCK. BEDROCK. 00000 005 00050 015 00000017000500210012501 7 **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

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

Source List

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

---

32 | ***1 of 4*** | ***NE/236.4*** | ***58.9 / -1.31*** | ***Spartan Ave Ottawa ON K1K*** | ***EHS***

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

---

32 | ***2 of 4*** | ***NE/236.4*** | ***58.9 / -1.31*** | ***Spartan Ave Ottawa ON K1K*** | ***EHS***

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

---

32 | ***3 of 4*** | ***NE/236.4*** | ***58.9 / -1.31*** | ***Spartan Ave Ottawa ON K1K*** | ***EHS***

Order No: 20200709034 | **Nearest Intersection:**
Status: C | **Municipality:**
Report Type: Custom Report | **Client Prov/State:** ON

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

Report Date:	14-JUL-20	**Search Radius (km):**	.1
Date Received:	09-JUL-20	**X:**	-75.6536258
Previous Site Name:		**Y:**	45.42950305
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans		

---

32 | ***4 of 4*** | ***NE/236.4*** | ***58.9 / -1.31*** | ***Spartan Ave Ottawa ON K1K*** | ***EHS***

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

---

33 | ***1 of 7*** | ***SSW/239.9*** | ***61.9 / 1.69*** | ***33 Quill Street Ottawa ON K1K 4E7*** | ***EHS***

Order No:	20090814133	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	8/25/2009	**Search Radius (km):**	0.25
Date Received:	8/14/2009	**X:**	-75.656124
Previous Site Name:		**Y:**	45.42523
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Sire Plans		

---

33 | ***2 of 7*** | ***SSW/239.9*** | ***61.9 / 1.69*** | ***City of Ottawa 33 Quill Street Ottawa ON K1K 4E7*** | ***GEN***

Generator No:	ON8121710
SIC Code:	236220
SIC Description:	Commercial and Institutional Building Construction
Approval Years:	2010
PO Box No:	
Country:	
Status:	
Co Admin:	
Choice of Contact:	
Phone No Admin:	
Contaminated Facility:	
MHSW Facility:	

Detail(s)

Waste Class:	221
Waste Class Name:	LIGHT FUELS

---

33 | ***3 of 7*** | ***SSW/239.9*** | ***61.9 / 1.69*** | ***City of Ottawa 33 Quill Street Ottawa ON K1K 4E7*** | ***GEN***

Generator No:	ON8121710
SIC Code:	236220
SIC Description:	Commercial and Institutional Building Construction

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

Approval Years: 2011
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

33	*4 of 7*	*SSW/239.9*	*61.9 / 1.69*	***City of Ottawa*** ***33 Quill Street*** ***Ottawa ON K1K 4E7***	***GEN***

Generator No: ON8121710
SIC Code: 236220
SIC Description: Commercial and Institutional Building Construction
Approval Years: 2012
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

33	*5 of 7*	*SSW/239.9*	*61.9 / 1.69*	***City of Ottawa*** ***33 Quill Street*** ***Ottawa ON***	***GEN***

Generator No: ON8121710
SIC Code: 236220
SIC Description: COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION
Approval Years: 2013
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

33	*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
				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

33	***7 of 7***	***SSW/239.9***	***61.9 / 1.69***	***City of Ottawa*** ***33 Quill Street*** ***Ottawa ON K1K 4E7***	***GEN***

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

34	***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***

Generator No: ON0375220
SIC Code: 8511
SIC Description: ELEMT./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
Waste Class:		148			
Waste Class Name:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		263			
Waste Class Name:		ORGANIC LABORATORY CHEMICALS			
34	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
Generator No:		ON0375220			
SIC Code:		8511			
SIC Description:		ELEMT./SECON. EDUC.			
Approval Years:		90			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
34	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
Generator No:		ON0375220			
SIC Code:		8511			
SIC Description:		ELEMT./SECON. EDUC.			
Approval Years:		92,93,94,95,96,97			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
34	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
Generator No:		ON0375220			
SIC Code:		8511			
SIC Description:		ELEMT./SECON. EDUC.			
Approval Years:		98			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
34	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
				OTTAWA ON	

Generator No: ON4145632
SIC Code: 531310
SIC Description: Real Estate Property Managers
Approval Years: 2012
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

---

35 | **1 of 2** | **ENE/243.9** | **59.9 / -0.31** | **Enbridge Gas Distribution Inc.**
959 Lola Street
Ottawa ON | **SPL**

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

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Health/Env Conseq: 2 - Minor Environment
Agency Involved:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
35	2 of 2	ENE/243.9	59.9 / -0.31	PIPELINE HIT 1/2" 959 LOLA ST,,OTTAWA,ON,K1K 3P2,CA ON	PINC

Incident Id:
Incident No: 2383504
Incident Reported Dt: 8/28/2018
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: PIPELINE HIT 1/2"
Incident Address: 959 LOLA ST,,OTTAWA,ON,K1K 3P2,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:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
36	1 of 1	WSW/248.6	62.9 / 2.68	ON	BORE

Borehole ID: 613493
OGF ID: 215514770
Status:
Type: Borehole
Use:
Completion Date:
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: -999
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 60.4
Elev Reliabil Note:
DEM Ground Elev m: 58.8
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.42615
Longitude DD: -75.657421
UTM Zone: 18
Easting: 448571
Northing: 5030502
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218395355
Top Depth: .6
Bottom Depth: 2.4
Material Color:
Material 1: Clay

Mat Consistency: Firm
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:

Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. FIRM.		

Geology Stratum ID:	218395354	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Gravel	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL.		

Geology Stratum ID:	218395356	**Mat Consistency:**	
Top Depth:	2.4	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:	Red	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Shale	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK. TURED. E. 00075 VELOCITY = 5130. BEDROCK. SEISMIC VELOCITY = 11800. UNS **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

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

Source List

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

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

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

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

Database: ECA

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

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

Database: ECA

Approval No: 4484-A6ZQU2
Approval Date: 2016-02-16
MOE District:
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:	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:			

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

Database: ***SPL***

Ref No:	5040-9KAR2D	***Municipality No:***	
Year:		***Nature of Damage:***	
Incident Dt:	2014/05/20	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	2014/05/20	***Health/Env Conseq:***	
Dt Document Closed:	2014/11/07	***Agency Involved:***	
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:			
Easting:			
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:			

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

Database: ***SPL***

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

Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	2/12/1990	***Health/Env Conseq:***	
Dt Document Closed:		***Agency Involved:***	
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:			

Site:
lot 7 ON

Database:
WWIS

Well ID:	1525154	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Not Used	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Observation Wells	***Date Received:***	11/14/1990
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	84367	***Contractor:***	5222
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	007
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	VANIER CITY		
Site Info:			

Bore Hole Information

Bore Hole ID:	10046895	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	08/07/1990	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
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:			

Overburden and Bedrock Materials Interval

Formation ID:	931060272
Layer:	2
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:	19.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Plug ID:	933111093
Layer:	1
Plug From:	0.0
Plug To:	13.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	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	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	02/26/1948
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	1107
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	008
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	JG
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	OTTAWA CITY (GLOUCESTER)		
Site Info:			

Bore Hole Information

Bore Hole ID:	10022441	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10/29/1947	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
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:			

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 (MNRF), 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 or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 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 CO2 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 in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: 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.

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 Handers 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 in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 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

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Feb 28, 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 Geotecnical 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.

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$_{ESA}$
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

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.