



## Phase One Environmental Site Assessment 2409 Carlsen Avenue, Ottawa, Ontario

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City of Ottawa

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Phase One Environmental Site Assessment

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**Prepared By:**

Devin Clouthier, B.Sc.

**Reviewed By:**

Chris Kimmerly, P.Geo.

EXP Services Inc.

100-2650 Queensview Drive

Ottawa, Ontario K2B 8H6

t: +1.613.688.1899

f: +1.613.225.7337

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*2409 Carlsen Inc.  
Phase One Environmental Site Assessment  
2409 Carlsen Avenue, Ottawa, Ontario  
OTT-24002375-A0  
October 28, 2024*

## Legal Notification

This report was prepared by EXP Services Inc. for the account of the **2409 Carlsen Inc.**

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## Executive Summary

EXP Services Inc. (EXP) was retained by 2409 Carlsen Inc. to complete a Phase One Environmental Site Assessment (ESA) for the property located at 2409 Carlsen Avenue in Ottawa, Ontario hereinafter referred to as the 'Phase One property'. At the time of the investigation, the Phase One property was occupied by a two-storey residence with a basement.

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard as defined by Ontario Regulation 153/04, as amended and in accordance with generally accepted professional practices. Subject to this standard of care, EXP makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. Limitation of liability, scope of report and third-party reliance are outlined in Section 9 of this report.

The purpose of this Phase One ESA is to determine if past or present site activities have resulted in actual or potential contamination at the Phase One property. It is understood that 2409 Carlsen Inc. is proposing to re-develop the Phase One property with three, three-storey residential apartment buildings. This Phase One ESA is in support of site plan approval with the City of Ottawa. Since there will not be a change to a more sensitive land use, a Record of Site Condition (RSC) will not be required.

The Phase One property has the municipal address of 2409 Carlsen Avenue and is located immediately southeast of the Heron Road and Carlsen Avenue intersection. The Phase One property is currently occupied by a two-storey storey residence with a basement. The Phase One property is irregular in shape with an approximate area of 0.11 hectares (0.27 acres).

The Phase One property is legally described as PT LT 1, PL 301, AS IN OT30209; PT LT 1, PL 301, PART 1, 5R4219; PT LT 1, PL 559, PART 19, 5R219; PT LT 1, PL 559, PT 2 EXPROP PLAN CT159062; S/T NS257891 OTTAWA/GLOUCESTER. The property identification number (PIN) is 040690201.

The first developed use of a property is defined as use that resulted in the development of a building or structure. Based on a review of historical aerial photographs, historical maps, and other records, the Phase One property was first developed between 1950 and 1965 when five residential buildings were constructed.

There are no waterbodies on the Phase One property. Sawmill Creek is located approximately 180 m west of the Phase One property, and the Rideau River is located approximately 1.9 km west of the Phase One property. The inferred groundwater direction is to the west towards Sawmill Creek and the Rideau River.

Ontario Regulation (O. Reg.) 153/04 defines a Potential Contaminating Activity (PCA) as one of fifty-nine (59) industrial operations set out in Table 2 of Schedule D that occurs or has occurred in the Phase One study area. There were not any PCAs identified in the Phase One study area or on the Phase One property.

Ontario Regulation 153/04 defines an area of potential environmental concern (APEC) as an area on a property where one or more contaminants are potentially present. Based on this Phase One ESA, there were not any APECs identified on the Phase One property.

The Qualified Person who oversaw this work, Chris Kimmerly, P.Geo., does not recommend that an additional environmental investigation in the form of a Phase Two ESA be conducted.

Since the residential building on the Phase One property is proposed to be demolished during the site-redevelopment, a Designated Substance Survey is required as per Ontario Regulation 490/09 prior to the disturbance of any building materials.

The Qualified Person can confirm that the Phase One Environmental Site Assessment was conducted per the requirements of Ontario Regulation 153/04, as amended, and in accordance with generally accepted professional practices.

*This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety.*

## 1. Introduction

EXP Services Inc. (EXP) was retained by 2409 Carlsen Inc. to complete a Phase One Environmental Site Assessment (ESA) for the property located at 2409 Carlsen Avenue in Ottawa, Ontario hereinafter referred to as the 'Phase One property'. At the time of the investigation, the Phase One property was occupied by a two-storey residence with a basement.

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard as defined by Ontario Regulation 153/04, as amended and in accordance with generally accepted professional practices. Subject to this standard of care, EXP makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. Limitation of liability, scope of report and third-party reliance are outlined in Section 9 of this report.

Please note that general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the property, however, a detailed review of regulatory compliance issues was beyond the scope of our investigation. This Phase One ESA does not constitute an audit of environmental management practices, indicate geotechnical conditions or identify geologic hazards.

### 1.1. Objective

The purpose of this Phase One ESA is to determine if past or present site activities have resulted in actual or potential contamination at the Phase One property. It is understood that 2409 Carlsen Inc. is proposing to re-develop the Phase One property with three, three-storey residential apartment buildings. This Phase One ESA is in support of site plan approval with the City of Ottawa. Since there will not be a change to a more sensitive land use, a Record of Site Condition (RSC) will not be required.

EXP personnel who conducted assessment work for this project included Devin Clouthier, B.Sc., and Chris Kimmerly, P.Geo. An outline of their qualifications is provided in Appendix A.

### 1.2. Phase One Property Information

The Phase One property has the municipal address of 2409 Carlsen Avenue and is located immediately southeast of the Heron Road and Carlsen Avenue intersection. The Phase One property is currently occupied by a single storey residence. The Phase One property is irregular in shape with an approximate area of 0.11 hectares (0.27 acres).

The Phase One property is legally described as PT LT 1, PL 301, AS IN OT30209 ; PT LT 1, PL 301 , PART 1 , 5R4219 ; PT LT 1, PL 559 , PART 19 , 5R219 ; PT LT 1, PL 559 , PT 2 EXPROP PLAN CT159062 ; S/T NS257891 OTTAWA/GLOUCESTER. The property identification number (PIN) is 040690201.

The approximate Universal Transverse Mercator (UTM) coordinates for the Phase One property are Zone 18, 447128 m E and 5025118 m N. The UTM coordinates are based on measurements from Google Earth Pro, published by the Google Limited Liability Company (LLC). The accuracy of the centroid is estimated to be less than 10 m.

Authorization to proceed with this investigation was provided by Mr. Jeremy Silburt on behalf of 2409 Carlsen Inc. Contact information for Mr. Silburt is 9 Gurdwara Road, Suite 205 in Ottawa, Ontario K2E 7X6.

The Phase One property site location is shown on Figure 1 in Appendix B.

## 2. Scope of Investigation

The scope of work for the Phase One ESA consisted of the following activities:

- Reviewing the historical occupancy of the Phase One property through the use of available archived and relevant municipal and business directories, fire insurance plans (FIPs), topographical maps, and aerial photographs;
- Reviewing municipal and provincial records to determine whether activities that have occurred within the Phase One study area pose a potential environmental concern to the Phase One property;
- Obtaining an EcoLog Environmental Risk Information Services Ltd. (ERIS) report for the Phase One property and surrounding properties within a 250-metre radius of the Phase One property;
- Reviewing available geological maps, well records and utility maps for the vicinity of the Phase One property;
- Obtaining a search of land title and assessment rolls for the Phase One property;
- Conducting at least one reconnaissance of the Phase One property and surrounding properties within a 250-metre radius of the Phase One property in order to identify the presence of actual and/or potential environmental contaminants or concerns of significance;
- Conducting interviews with designated representative(s) as a resource for current and historical information;
- Reviewing the current use of the Phase One property and any land use practices that may have impacted its environmental condition;
- Reviewing the current use of the surrounding properties and any land use practices that may have impacted the environmental condition of the Phase One property; and,
- Preparing a report to document the findings.

In completing the scope of work, EXP did not conduct any intrusive investigations, including sampling, analyses, or monitoring. EXP has confirmed neither the completeness nor the accuracy of any of the records that were obtained or of any of the statements made by others.

## 3. Records Review

### 3.1. Phase One ESA Study Area Determination

The Phase One study area comprises the Phase One property and surrounding properties wholly or partly within 250 metres of the property boundaries. The 250-metre radius was used to gain an understanding of the current and past uses of surrounding properties to determine whether such uses may have contributed to subsurface environmental impacts at the Phase One property.

According to the City of Ottawa GeoOttawa on-line mapping tool, the Phase One property is zoned R3A – Residential Third Density Zone. Properties surrounding the Phase One property are also zoned Residential Third Density Zone.

The Phase One study area is shown on Figure 2 in Appendix B.

### 3.2. First Developed Use Determination

The first developed use of a property is defined as use that resulted in the development of a building or structure. Based on a review of historical aerial photographs, historical maps, and other records, the Phase One property was first developed in the 1950s when five residential buildings were constructed.

### 3.3. Fire Insurance Plans

EXP reviewed the Catalogue of Canadian Fire Insurance Plans 1875 – 1975. No fire insurance plans (FIP) were available for the Phase One study area.

### 3.4. Chain of Title

Based on the information provided in the reviewed reports and the interview with the site representative, a chain of title was not required. According to GeoWarehouse, the Phase One property was transferred to Alice Marie and Collin Cameron Johnson in May of 1958. The Site was then transferred to Brad Scott Charles and Alice Marie Johnson in January of 2011. The Phase One property was transferred to 2409 Carlsen Inc. in July 2024.

### 3.5. Environmental Reports

There were no previous environmental reports provided to EXP for the Phase One property.

### 3.6. Environmental Source Information

Information pertaining to the Phase One property was obtained by reviewing documents that are available to the public through municipal and provincial sources. EXP did not identify the need to contact any federal agencies.

Written responses from regulatory agencies and copies of documents obtained via searches are provided in Appendix C.

#### 3.6.1 Ontario Ministry of the Environment, Conservation and Parks Records

Records pertaining to the site were requested from the Ministry of the Environment, Conservation and Parks (MECP) through the *Freedom of Information and Protection of Privacy Act* (FOI).

A response has not yet been received by EXP. If pertinent information is included once it is received, the letter will be forwarded along to 2409 Carlsen Inc.



### 3.6.2 Historical Land Use Inventory

Records pertaining to the site were requested from the City of Ottawa for the Historical Land Use Inventory (HLUI) through the *Municipal Freedom of Information and Protection of Privacy Act* (FOI).

A response has not yet been received by EXP. If pertinent information is included once it is received, the letter will be forwarded along to 2409 Carlsen Inc.

### 3.6.3 Environmental Registry

On September 17, 2024, the MECP Environmental Registry website was searched for postings within the Phase One study area. No records were found.

### 3.6.4 Environmental Access

On September 17, 2024, the MECP Environmental Access website was searched for postings within the Phase One study area. No records were found in the Phase One study area.

### 3.6.5 Hazardous Waste Program Registry

On September 17, 2024, the Resource Productivity and Recovery Authority (RPPRA) Hazardous Waste Program (HWP) Registry website was searched for registered waste generators within the Phase One study area. No records were found.

### 3.6.6 Records of Site Condition

On September 17, 2024, the MECP Brownfields Registry website was searched for postings of Records of Site Condition (RSC) within the Phase One study area. No records were found.

### 3.6.7 Coal Gasification Plants

Documents entitled *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario* prepared by the MECP and *Inventory of Coal Gasification Plant Waste Sites in Ontario* prepared by Intera Technologies Ltd. were reviewed. There were not any coal gasification plants identified within the Phase One study area.

### 3.6.8 PCB Storage Sites

Documents entitled *National Inventory of PCBs in Use and PCB Wastes in Storage in Canada, 2003 Annual Report* prepared by Environment Canada and *Ontario Inventory of PCB Storage Sites* prepared by the MECP were reviewed. No records pertaining to PCB storage sites were identified within the Phase One study area.

### 3.6.9 Waste Disposal Sites

Documents entitled *Old Landfill Management Strategy, Phase 1, Identification of Sites, City of Ottawa, Ontario* prepared by Golder Associates Ltd. and *Waste Disposal Site Inventory* prepared by the MECP were reviewed. No former landfills or waste disposal sites were identified within the Phase One study area.

### 3.6.10 Street Directories

Records pertaining to the Phase One property were requested from the EcoLog Environmental Risk Information Services (or EcoLog ERIS) for the municipal street directories in the Phase One study area. EcoLog ERIS is an environmental database and

information service provider. City directories between 1955 and 2023 were reviewed in five-year increments. There were not any properties of interest noted.

The city directories are provided in Appendix C.

### 3.7. EcoLog ERIS Database Search

A search of provincial and federal databases for records pertaining to the Phase One property and properties within the Phase One study area was conducted by EcoLog ERIS. EXP has confirmed neither the completeness nor the accuracy of the records that were provided. A summary of the more significant findings is provided below. A copy of the EcoLog ERIS report is provided in Appendix D.

The following entries from the EcoLog ERIS report was reviewed and summarized below:

Location	Proximity to the Site	Description	Database	Environmental Concern to Site (Yes/No) & Rationale
<b>1071 Heron Road</b>	85 m northeast	In January 2007, an unknown volume of fuel oil was spilled due to an equipment malfunction. A natural gas pipeline was struck while completing foundation work in July 2014.	TSSA Historic Incidents (HINC) Pipeline Incidents (PINC)	No, it is assumed that any fuel oil spilled would be intercepted by service trenches along Heron Road before reaching the Phase One property. Natural gas dissipates to the atmosphere and would not impact the Phase One property.
<b>2419 Chasseur Avenue</b>	95 m east	In October 2017, an unknown volume of natural gas was released.	Ontario Spills (SPL)	No, natural gas dissipates to the atmosphere and would not impact the Phase One property.
<b>1077 Secord Avenue</b>	160 m northeast	In July 1989, approximately 50 litres of herbicide/fertilizer was spilled to the ground due to an equipment failure.	SPL	No, due to distance from the Phase One property.
<b>999 Heron Road</b>	165 m west	City of Ottawa Disposals and Environmental Remediation Unit, registered waste generator of light fuels in 2022 (ON7998246).	Ontario Regulation 347 Waste Generators Summary (GEN)	No, based on the generator, it is assumed that this waste was generated in response to remediation of a spill to the ground.
<b>1079 Secord Avenue</b>	170 m northeast	In September 2011, an unknown volume of furnace oil was spilled to the ground.	SPL	No, due to the distance from the Phase One property.
<b>Clover Street and Gregg Street Intersection</b>	190 m southwest	In January 2004, approximately 50-100 litres of fuel oil was spilled to the ground.	SPL	No, due to the distance from the Phase One property.
<b>1076 Richard Avenue</b>	195 m northeast	In October 2008, an unknown volume of fuel oil was spilled to the ground, caused by an equipment leak.	HINC	No, due to the distance from the Phase One property.

Location	Proximity to the Site	Description	Database	Environmental Concern to Site (Yes/No) & Rationale
<b>1561 Clover Street</b>	195 m northwest	Thurber Engineering Ltd., registered waste generator of inorganic sludges, slurries or solids in 2021 (ON678737).	GEN	No, it is not anticipated that significant amounts of waste are generated at this site.
<b>947 Heron Road</b>	210 m west	In October 2020, approximately 3 litres of hydraulic oil was spilled to the ground.	SPL	No, due to the small volume of the spill and the distance from the Phase One property.
<b>2464 Clementine Boulevard</b>	245 m south	In February 2001, an unknown amount of transformer oil was spilled to the ground.	SPL	No, due to the distance from the Phase One property.

Based on the review of the ERIS report no potentially contaminating activities (PCA) were identified.

### 3.8. Physical Setting Sources

#### 3.8.1 Aerial Photographs

Aerial photographs dated 1950, 1965, 1976, 1999, 2007, 2014, 2019 and 2024 were available for review. The following table summarizes the development and land use history of the Phase One property and adjacent properties as depicted on the reviewed aerial photographs. Copies of the aerial photographs are provided in Appendix E.

Year	Details
<b>1950</b>	The Phase One property appears to be undeveloped. There are some buildings constructed west of the Phase One property in what appears to be Junction Avenue and Clover Street. The remainder of the Phase One study area is undeveloped agricultural land.
<b>1965</b>	There are five residential buildings constructed on or partially on the Phase One property. A residential development including nearby streets have been constructed or are under construction in the Phase One study area.
<b>1976</b>	Four of the residential buildings along the northern border of the Phase One property are no longer present, assumingly due to the widening of Heron Road. The construction of the residential development and streets have been completed in the Phase One study area.
<b>1999</b>	An addition has been constructed on the northern side of the existing residential building. The Phase One study area appears similar to the 1976 aerial photograph.
<b>2007</b>	An aboveground pool is present immediately east of the building on the Phase One property. The Phase One study area appears similar to the 1999 aerial photograph.
<b>2014</b>	The Phase One property and Phase One study area appear similar to the 2007 aerial photograph.
<b>2019</b>	The Phase One property and Phase One study area appear similar to the 2014 aerial photograph.
<b>2024</b>	The Phase One property and Phase One study area appear similar to the 2019 aerial photograph.

Based on the review of the aerial photographs, there were not any PCAs identified on the Phase One property or in the Phase One study area.

### 3.8.2 Topography, Hydrology, Geology

Bedrock and surficial geology were reviewed via the Google Earth applications published by the Ontario Ministry of Energy, Northern Development and Mines. The bedrock geology application is available via [www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth/bedrock-geology](http://www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth/bedrock-geology) and was last modified on March 19, 2018. The surficial geology application is available via [www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth/surficial-geology](http://www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth/surficial-geology) and was last modified on May 23, 2017.

Based on these applications, bedrock in the general area of the Phase One property consists of shale, limestone, dolostone and siltstone of the Billings Formation. Native surficial soil consists of silt and clay with minor sand and gravel. Ground surface elevation for the Phase One property is approximately 78 metres above seal level (masl).

### 3.8.3 Fill Materials

It is not anticipated that significant amounts of fill have been imported to the Phase One property.

### 3.8.4 Water Bodies and Areas of Natural Significance

There are no waterbodies on the Phase One property. Sawmill Creek is located approximately 180 m west of the Phase One property, and the Rideau River is located approximately 1.9 km west of the Phase One property. The inferred groundwater direction is to the west towards the Sawmill Creek and Rideau River.

There are no Area of Natural Significance (ANSI) within the Phase One study area, according to the Ministry of Natural Resources and Forestry Natural Heritage website ([www.gisapplication.lrc.gov.on.ca/mamnh/Index.html](http://www.gisapplication.lrc.gov.on.ca/mamnh/Index.html)).

### 3.8.5 Well Records

The Ontario well records website (<https://www.ontario.ca/page/map-well-records>) was accessed. There were eighteen (18) well records identified within the Phase One study area. Two (2) of the well records were for domestic wells, both installed in 1950. It is assumed that these wells are no longer used as a potable water source as municipal drinking water services are available in the area. Sixteen (16) well records were for monitoring wells installed between 2015 and 2022.

Based on these records, the subsurface conditions in the Phase One study area consist mostly of clay overlying shale bedrock.

There are no oil, gas, or salt wells within the Phase One study area, according to the Oil, Gas & Salt Resources Library ([maps.ogsrlibrary.com/wells/](http://maps.ogsrlibrary.com/wells/)).

## 3.9. Site Operating Records

No site operating records were available for review.

## 3.10. Summary of Records Review

Based on a review of the available records, there were not any PCAs identified on the Phase One property or in the Phase One study area.

## 4. Interviews

An interview was conducted by EXP with the individual identified to be the most knowledgeable about both the current and historical Phase One property uses. The purpose of interviews is to obtain information to assist in identifying areas of potential environmental concern and identify details of potentially contaminating activities or potential contaminant pathways, in, on or below the Phase One property.

Mr. Brad Johnson, the former owner of the Phase One property, was interviewed in person on September 26, 2024. Mr. Johnson had lived at the Phase One property since approximately 1965 until he sold it in 2024. He noted that the original house was built in the 1950s and an addition was built in the 1980s. The addition includes an 'in-law' suite, including a kitchen and bathroom. Mr. Johnson indicated that there were four additional residential buildings along the northern portion of the Phase One property that were demolished when the City of Ottawa expanded Heron Road and expropriated the property. Mr. Johnson's father was the previous owner of the property and purchased a portion of the expropriated property back from the City of Ottawa. This portion is the easternmost part of the Phase One property. Mr. Johnson was could not confirm if the building had ever been heated using an oil furnace, stating it had been heated by an electric furnace for a long time. Mr. Johnson was not aware of any environmental issues pertaining to the Phase One property (historical fuel/chemical storage or spills, illegal dumping etc.). The property has been used for residential purposes since it has been developed.

## 5. Site Reconnaissance

### 5.1. General Requirements

On September 26, 2024, Devin Clouthier of EXP conducted the site visit. The site visit was conducted in accordance with EXP's internal health and safety protocols and with the Ministry of Labour health and safety regulations. The purpose of the site visit was to assess the current conditions of the Phase One property.

The general environmental management and housekeeping practices at the Phase One property were reviewed as part of this assessment insofar as they could impact the environmental condition of the property; however, a detailed review of regulatory compliance issues was beyond the scope of EXP's investigation.

Observations of the Phase One property and surrounding properties were made. The site reconnaissance began at approximately 10:15 a.m. and lasted approximately 1 hour. The weather was approximately 20°C and sunny. Adjacent properties were observed from within the grounds of the Phase One property, as well as publicly accessible areas. Photographs documenting the site visit are included in Appendix F.

### 5.2. Specific Observations at the Phase One Property

The Phase One property was developed with a two-storey residential building with a basement. There is an asphalt driveway in the northwest corner of the building. There are also four (4) sheds east of the residential building. None of the sheds were insulated and it is assumed they were only used for storage. The eastern portion of the property is either treed or occupied by garden beds.

#### 5.2.1 Buildings and Structures

There was a residential building with a basement on the western portion of the property. The original building was constructed in the 1950s and an addition, including an 'in-law' suite was constructed in the 1980s. There were four (4) small storage sheds east of the Phase One property. The construction dates of the sheds are unknown.

#### 5.2.2 Site Utilities and Services

The Phase One property is connected to municipal water and wastewater services. Overhead hydro was present on the Phase One property.

#### 5.2.3 Storage Tanks

##### 5.2.1 Underground Storage Tanks

No underground storage tanks (UST) were observed on the Phase One property and there was no evidence of historical USTs.

##### 5.2.2 Above Ground Storage Tanks

No above ground storage tanks (AST) were observed on the Phase One property.

### 5.3 Chemical Storage Handling and Floor Condition

No chemicals are stored at the Phase One property.

### 5.3. Areas of Stained Soil, Pavement or Stressed Vegetation

No areas of staining were observed on the Phase One property at the time of EXP's site visit. None of the vegetation on the Phase One property appeared to be stressed.

### 5.4. Fill and Debris

There was not any evidence of fill piles, and the Phase One property is a similar elevation to the surrounding properties. It is unlikely that significant amounts of fill are present on the Phase One property.

### 5.5. Air Emissions

Regulatory control of air emissions in Ontario is the responsibility of the MECP. According to the Environmental Protection Act (EPA), an ECA (Air) is required for the ongoing operation of any equipment that may discharge a contaminant into the natural environment if the equipment was installed, modified or altered after June 29, 1988.

The Phase One property is undeveloped. No air emissions were identified at the time of the site visit.

### 5.6. Odours

No strong odours were present during the site visit.

### 5.7. Noise

No excessive noise was heard during the site visit.

### 5.8. Other Observations

There were no pits and lagoons, no railways or spurs and no unidentified substances observed on the Phase One property.

## 5.9. Special Attention Items, Hazardous Building Materials and Designated Substances

### 5.9.1 Asbestos

Asbestos-containing materials (ACM) are fibrous hydrated silicates and can be found in building materials as either "unbound" or "bound" asbestos. Friable asbestos refers to materials where the asbestos fibres can be separated from the material with which it is associated. Non-Friable asbestos refers to asbestos that is associated with a binding agent (such as tar or cement). Friable asbestos is commonly found in boiler and pipe insulation. Non-Friable asbestos is typically found in roofing tars, floor and ceiling tiles, and asbestos-containing cement.

ACMs in the workplace are defined as a Designated Substance under the Ontario Occupational Health and Safety Act (OHSA). Under OHSA, persons in the workplace are required to be notified of the presence of ACMs once they are suspected to be present, and if there is a potential for workers to be exposed. The use of ACM was discontinued in Canada in the late 1970s/early 1980s, although non-friable asbestos can still be found in recently constructed buildings.

Based on the age of the building (original building constructed in 1950s), ACM may be present in the building. A Designated Substance Survey (DSS) is recommended according to Ontario Regulation 490/09 prior to any renovation or demolition of the building.

### 5.9.2 Ozone Depleting Substances (ODS)

Chlorofluorocarbons (CFC), often referred to as freons, ceased production in Canada in 1993 as a result of their ozone-depleting characteristics. Importation of CFCs into Canada ceased in 1997 and a total ban on their use is proposed for 2020. The use of these materials is still permitted in existing equipment, but equipment must be serviced by a licensed contractor such that CFCs are contained and not released to the environment during servicing or operation.

Maintenance of refrigerant containing equipment should be completed by a licensed refrigeration contractor. The equipment should only be repaired, removed, or serviced by an appropriately licensed contractor.

### 5.9.3 Lead

Lead has frequently been used in oil-based paints, roofing materials, cornices, tank linings, electrical conduits and soft solders for tinplate and plumbing. The use of lead-based paints (LBPs) was phased out *circa* 1976. Paint that was produced or used between 1976 and 1980 may contain small amounts of lead. Paint that was produced or used prior to 1950 may contain higher levels of lead. The main concern regarding lead paint is its potential to become lead dust or chips either through deterioration and/or mechanical means (i.e., sanding, abrasion, etc.). Exposure to lead dust or chips occurs by ingestion or inhalation.

Based on the age of the building, LBPs may be present and should be addressed as part of a DSS prior to renovation or demolition.

### 5.9.4 Mercury

Mercury could be found in some batteries, light bulbs, old paints, thermostats, old mirrors, etc. Based on an investigation by Consumer and Corporate Affairs Canada, and an assessment of potential health risks by Health and Welfare Canada, in 1991 the decision was made to eliminate the use of mercury compounds in indoor latex paints. The Canadian Paint and Coatings Association (CPCA) supported the withdrawal, and all Canadian manufacturers and formulators of the preservative voluntarily agreed to remove "interior uses" from their product labels.

The interior painted surfaces observed during EXP's site visit were generally in good condition. Fluorescent light tubes were observed in the site building. As such, mercury may be present and should be addressed as part of a DSS prior to renovation or demolition.

### 5.9.5 Polychlorinated Biphenyls (PCB)

The manufacture of PCB in North America was prohibited under the Toxic Substances Control Act (1977). Their use as a constituent of new products manufactured in or imported into Canada was prohibited by regulations in 1977 and 1980. As such, sites developed or significantly renovated after 1980 are unlikely to have PCB-containing equipment on the Phase One property. Potential equipment, which could contain PCB include fluorescent mercury and sodium vapour light ballasts, oil filled capacitors and transformers. Any electrical equipment containing PCB must be disposed of in accordance with Ontario Regulation 362 when it is removed from service. Ongoing operation of equipment containing PCB is permissible.

Based on the age of the building, PCB containing equipment may be present and should be addressed as part of a DSS prior to renovation or demolition.

### 5.9.6 Urea Formaldehyde Foam Insulation

Formaldehyde is a pungent, colourless gas commonly used in water solution as a preservative and disinfectant. It is also a basis for major plastics, including durable adhesives. It occurs naturally in the human body and in the outdoor environment. Formaldehyde is used to bond plywood, particleboard, carpets, and fabrics, and it contributes to "that new house smell."



Formaldehyde is also a by-product of combustion; it is found in tobacco smoke, vehicle exhaust and the fumes from furnaces, fireplaces and wood stoves. While small amounts of formaldehyde are harmless, it is an irritating and toxic gas in significant concentrations. Symptoms of overexposure to formaldehyde include irritation to eyes, nose, and throat; persistent cough and respiratory distress; skin irritation; nausea; headache; and dizziness.

Urea-formaldehyde foam insulation (UFFI) was developed in Europe in the 1950s as an improved means of insulating difficult-to-reach cavities in the walls. It is typically made at a construction site from a mixture of urea-formaldehyde resin, a foaming agent and compressed air. When the mixture is injected into the wall, urea and formaldehyde unite and "cure" into an insulating foam plastic.

During the 1970s, when concerns about energy efficiency led to efforts to improve building insulation in Canada, UFFI became an important insulation product for existing buildings. The further use of UFFI was banned in Canada in 1980.

No evidence of UFFI was observed during the site visit.

#### 5.6.10 Radon

Radon is a colourless, odourless, radioactive gas that occurs naturally in the environment. It comes from the natural breakdown of uranium in soils and rocks. Exposure to high levels of radon increases the risk of developing lung cancer. This relationship has prompted concern that radon levels in some Canadian buildings may pose a health risk. Radon gas can move through small spaces in the soil and rock and seep into a building through cracks in concrete, sumps, joints, and basement drains. Concrete-block walls are particularly porous to radon and radon trapped in water from wells can be released into the air when the water is used.

Due to the potential health concerns associated with radon, Health Canada released a guideline in June 2007 for a maximum acceptable level of radon gas of 200 Becquerels per cubic metre (Bq/m<sup>3</sup>) where radon gas is present, and the annual radon concentration exceeds 200 Bq/m<sup>3</sup> in the normal occupancy area.

A radon gas assessment was beyond the scope of this Phase One ESA, and as such, radon gas was not assessed. The Radon Potential Map of Ontario created by Radon Environmental indicates that the Phase One property is located in Zone 3 – Guarded, which has the lowest potential for radon. The zones are identified based on regional geologic conditions. It is noted that although the property is located in Zone 3, a wide spectrum of readings can occur in all zones.

#### 5.6.11 Mould

Mould is found in the natural environment and is required for the breakdown of plant debris such as leaves and wood. Mould spores are found in the air in both the indoor and outdoor environments. In order for mould to grow, an organic food source (i.e. gypsum wallboard, wallpaper, wood, etc.) and moist conditions are required. Mould can have an impact on human health depending on the species and concentration of the airborne mould spores. Health effects can include allergies and mucous membrane irritation.

Currently there are no regulations governing mould; however, there are several guidelines addressing mould assessments and abatement. At the moment, the industry standards include the Canadian Construction Association (CCA) document 82-2004 titled "mould guidelines for the Canadian construction industry" and the Environmental Abatement Council of Ontario (EACO) guidelines titled "EACO Mould Abatement Guidelines, Edition 3 (2015)."

It is important to note that the Ministry of Labour (MOL) has governed protecting workers under the Occupational Health and Safety Act, which states that employers are required to take every precaution reasonable to protect their workers. This includes protecting workers from mould within workplace buildings.

Mould was not observed in the building on the Phase One property.

## 5.7 Other Substances

No other special attention substances (such as acrylonitrile or isocyanates) were suspected to be present at the Phase One property.

## 5.8 Processing and Manufacturing Operations

No processing or manufacturing operations were observed at the Phase One property.

## 5.9 Hazardous Materials Use and Storage

No hazardous materials are used or stored at the Phase One property.

## 5.10 Vehicle and Equipment Maintenance Areas

No vehicle or equipment maintenance areas were observed at the Phase One property.

## 5.11 Oil/Water Separators

No oil/water separators were observed at the Phase One property.

## 5.12 Sewage and Wastewater Disposal

Sewage and wastewater generated at the Phase One property are disposed of via the municipal system.

## 5.13 Solid Waste Generation, Storage & Disposal

Solid wastes generated at the Phase One property are limited to household wastes and food wastes. No environmental concerns pertaining to solid waste generation were identified.

## 5.14 Liquid Waste Generation, Storage & Disposal

No liquid waste is generated or stored at the Phase One property.

## 5.15 Unidentified Substances

No unidentified substances were observed on the Phase One property at the time of the site visit. No dumping or any other deleterious materials were identified.

## 5.16 Hydraulic Lift Equipment

No hydraulic lift equipment was identified at the Phase One property.

## 5.17 Mechanical Equipment

No mechanical equipment of concern was identified on the Phase One property.

## 5.18 Abandoned and Existing Wells

There is no evidence that there are any water wells on the Phase One property.

### 5.19 Roads, Parking Facilities and Right of Ways

Vehicular access to the Phase One property is provided via Carlsen Avenue.

### 5.20 Adjacent and Surrounding Properties

A visual inspection of the adjacent properties and properties within 250 m of the Phase One property was conducted from publicly accessible areas to identify the occupants and document the uses and sources of potential environmental concerns that may impact the Phase One property. Refer to Figure 2 in Appendix B for the adjacent land uses.

The following land uses border the Phase One property:

- North: Heron Road followed by residential;
- West: Carlsen Avenue followed by residential;
- East: Residential followed by Chasseur Avenue; and
- South: Residential.

### 5.21 Enhanced Investigation Property

Ontario Regulation 153/04 defines an enhanced investigation property as a “property that is used, or has ever been used, in whole or in part for an industrial use or any of the following commercial uses: a garage; a bulk liquid dispensing facility, including a gasoline outlet; or, for the operation of dry-cleaning equipment.”

Therefore, in accordance with Regulation 153/04, the Phase One property is not considered to be an enhanced investigation property.

### 5.22 Summary and Written Description of Investigation

Based on the site visit, there were not any PCAs, or APEC identified on the Phase One property.

## 6. Review and Evaluation of Information

### 6.1. Phase One Conceptual Site Model

To develop a conceptual model for the Phase One property, the following physical characteristics and pathways were considered. A conceptual site model (CSM) showing the topography of the site, inferred groundwater flow, general site features, APEC, and PCA is shown in Figure 2.

#### 6.1.1 Buildings and Structures

The first developed use of a property is defined as use that resulted in the development of a building or structure. Based on a review of historical aerial photographs, historical maps, and other records, the Phase One property was first developed in the 1950s when five (5) residential buildings were constructed. Four (4) of the residential buildings were demolished to make room for the expansion of Heron Road, which was widened from two to four lanes after the property was expropriated. An addition was constructed on the remaining residential building in the 1980s. The Phase One property has been used for residential purposes since this time.

#### 6.1.2 Water Bodies and Groundwater Flow Direction

There are no waterbodies on the Phase One property. Sawmill Creek is located approximately 180 m west of the Phase One property, and the Rideau River is located approximately 1.9 km west of the Phase One property. The inferred groundwater direction is to the west towards Sawmill Creek and the Rideau River.

#### 6.1.3 Areas of Natural Significance

There are no ANSI within the Phase One study area.

#### 6.1.4 Water Wells

There were eighteen (18) well records identified within the Phase One study area. Two (2) of the well records were for domestic wells, both installed in 1950. It is assumed that these wells are no longer in use as municipal drinking water services are available in the area. Sixteen (16) well records were for monitoring wells installed in between 2015 and 2022.

#### 6.1.5 Potentially Contaminating Activity

Ontario Regulation (O. Reg.) 153/04 defines a Potential Contaminating Activity (PCA) as one of fifty-nine (59) industrial operations set out in Table 2 of Schedule D that occurs or has occurred in the Phase One study area. There were not any PCAs identified in the Phase One study area or on the Phase One property.

#### 6.4.6 Areas of Potential Environmental Concern

Ontario Regulation 153/04 defines an APEC as an area on a property where one or more contaminants are potentially present. Based on this Phase One ESA, there were not any APECs identified on the Phase One property.

#### 6.4.7 Underground Utilities

Municipal water, sewer and sanitary underground utilities are present on the Phase One property.

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#### 6.4.8 Subsurface Stratigraphy

Based on these applications, bedrock in the general area of the Phase One property consists of shale, limestone, dolostone and siltstone of the Billings Formation. Native surficial soil consists of silt and clay with minor sand and gravel. Ground surface ranges from approximately 78 metres above seal level (masl).

#### 6.4.9 Uncertainty Analysis

The CSM is a simplification of reality, which aims to provide a description and assessment of any areas where potentially contaminating activity that occurred within the Phase One study area may have adversely affected the Phase One property. All information collected during this investigation, including records, interviews, and site reconnaissance, has contributed to the formulation of the CSM.

Information was assessed for consistency, however EXP has confirmed neither the completeness nor the accuracy of any of the records that were obtained or of any of the statements made by others. All reasonable inquiries to obtain accessible information were made, as required by Schedule D, Table 1, Mandatory Requirements for Phase One Environmental Site Assessment Reports. The CSM reflects our best interpretation of the information that was available during this investigation.

2409 Carlsen Inc.  
Phase One Environmental Site Assessment  
2409 Carlsen Avenue, Ottawa, Ontario  
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## 7. Conclusions

The Phase One ESA did not identify any PCA or APEC. The Qualified Person who oversaw this work, Chris Kimmerly, P.Geo., does not recommend any additional work.

Since the residential building on the Phase One property is proposed to be demolished during the site-redevelopment, a Designated Substance Survey is required as per Ontario Regulation 490/09 prior to the disturbance of any building materials.

The Qualified Person can confirm that the Phase One Environmental Site Assessment was conducted per the requirements of Ontario Regulation 153/04, as amended, and in accordance with generally accepted professional practices.

## 8. References

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- Dubreuil, L. and C. Woods, *Catalogue of Canadian Fire Insurance Plans, 1875 – 1975*, 2002.
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- Ontario Ministry of Labour, *Occupational Health and Safety Act*, R.S.O. 1990.
- Ontario Ministry of Natural Resources and Forestry, *Natural Heritage website* ([www.gisapplication.lrc.gov.on.ca/mamnh/Index.html](https://www.gisapplication.lrc.gov.on.ca/mamnh/Index.html)).

## 9. Limitation of Liability, Scope of Report, and Third Party Reliance

### Basis of Report

This report ("Report") is based on site conditions known or inferred by the investigation undertaken as of the date of the Report. Should changes occur which potentially impact the condition of the site the recommendations of EXP may require re-evaluation. Where special concerns exist, or 2409 Carlsen Inc. ("the Client") has special considerations or requirements, these should be disclosed to EXP to allow for additional or special investigations to be undertaken not otherwise within the scope of investigation conducted for the purpose of the Report.

### Reliance on Information Provided

The evaluation and conclusions contained in the Report are based on conditions in evidence at the time of site inspections and information provided to EXP by the Client and others. The Report has been prepared for the specific site, development, building, design or building assessment objectives and purpose as communicated by the Client. EXP has relied in good faith upon such representations, information and instructions and accepts no responsibility for any deficiency, misstatement or inaccuracy contained in the Report as a result of any misstatements, omissions, misrepresentation or fraudulent acts of persons providing information. Unless specifically stated otherwise, the applicability and reliability of the findings, recommendations, suggestions or opinions expressed in the Report are only valid to the extent that there has been no material alteration to or variation from any of the information provided to exp. If new information about the environmental conditions at the Site is found, the information should be provided to EXP so that it can be reviewed and revisions to the conclusions and/or recommendations can be made, if warranted.

### Standard of Care

The Report has been prepared in a manner consistent with the degree of care and skill exercised by engineering consultants currently practicing under similar circumstances and locale. No other warranty, expressed or implied, is made. Unless specifically stated otherwise, the Report does not contain environmental consulting advice.

### Complete Report

All documents, records, data and files, whether electronic or otherwise, generated as part of this assignment form part of the Report. This material includes, but is not limited to, the terms of reference given to EXP by the Client, communications between EXP and the Client, other reports, proposals or documents prepared by EXP for the Client in connection with the site described in the Report. In order to properly understand the suggestions, recommendations and opinions expressed in the Report, reference must be made to the Report in its entirety. EXP is not responsible for use by any party of portions of the Report.

### Use of Report

The information and opinions expressed in the Report, or any document forming part of the Report, are for the sole benefit of the Client. No other party may use or rely upon the Report in whole or in part without the written consent of EXP. Any use of the Report, or any portion of the Report, by a third party are the sole responsibility of such third party. EXP is not responsible for damages suffered by any third party resulting from unauthorised use of the Report.

### Report Format

Where EXP has submitted both electronic file and a hard copy of the Report, or any document forming part of the Report, only the signed and sealed hard copy shall be the original documents for record and working purposes. In the event of a dispute or discrepancy, the hard copy shall govern. Electronic files transmitted by EXP utilize specific software and hardware systems. EXP makes no representation about the compatibility of these files with the Client's current or future software and hardware systems. Regardless of format, the documents described herein are EXP's instruments of professional service and shall not be altered without the written consent of EXP.



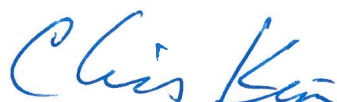
2409 Carlsen Inc.  
Phase One Environmental Site Assessment  
2409 Carlsen Avenue, Ottawa, Ontario  
OTT-24002375-A0  
October 28, 2024

## 10. Signatures

We trust this report meets your current needs. If you have any questions pertaining to the investigation undertaken by EXP, please do not hesitate to contact the undersigned. The Qualified Person can confirm that the Phase One Environmental Site Assessment was conducted per the requirements of Ontario Regulation 153/04, as amended, and in accordance with generally accepted professional practices.



Devin Clouthier, B.Sc.  
Environmental Scientist  
Earth and Environment



Chris Kimmerly, P.Geo., QP  
Manager – Senior Geoscientist  
Earth and Environment



EXP Services Inc.

2409 Carlsen Inc.

*Phase One Environmental Site Assessment*

2409 Carlsen Avenue, Ottawa, Ontario

OTT-24002375-A0

October 28, 2024

## Appendix A: Qualifications of Assessors

## Qualifications of Assessors

EXP provides a full range of environmental services through a full-time Environmental Services Group. EXP's Earth and Environment Group has developed a strong working relationship with clients in both the private and public sectors and has developed a positive relationship with Ontario Ministry of the Environment, Conservation and Parks. Personnel in the numerous branch offices form part of a large network of full-time dedicated environmental professionals in the EXP organization.

**Devin Clouthier, B.Sc.**, has 4 years of experience in the environmental consulting field. He has worked on numerous Phase I Environmental Site Assessments (ESA); Phase II ESAs, completing soil and groundwater sampling, assisting in report preparation and data entry and analysis.

**Chris Kimmerly, M.Sc., P.Geo.**, has more than 31 years of environmental consulting experience, 30 of which have been with EXP. A graduate of Brock University with a Master of Science Degree in Geological Science, His technical experience includes managing, coordinating, and conducting environmental site assessments; groundwater sampling programs; soil and groundwater remedial action and risk mitigation plans; mineral aggregate assessments; hydrogeological and terrain analysis assessments; designated substances and hazardous materials surveys. Mr. Kimmerly is a Qualified Person for completing Phase One and Two Environmental Site Assessments as per O.Reg. 153/04.

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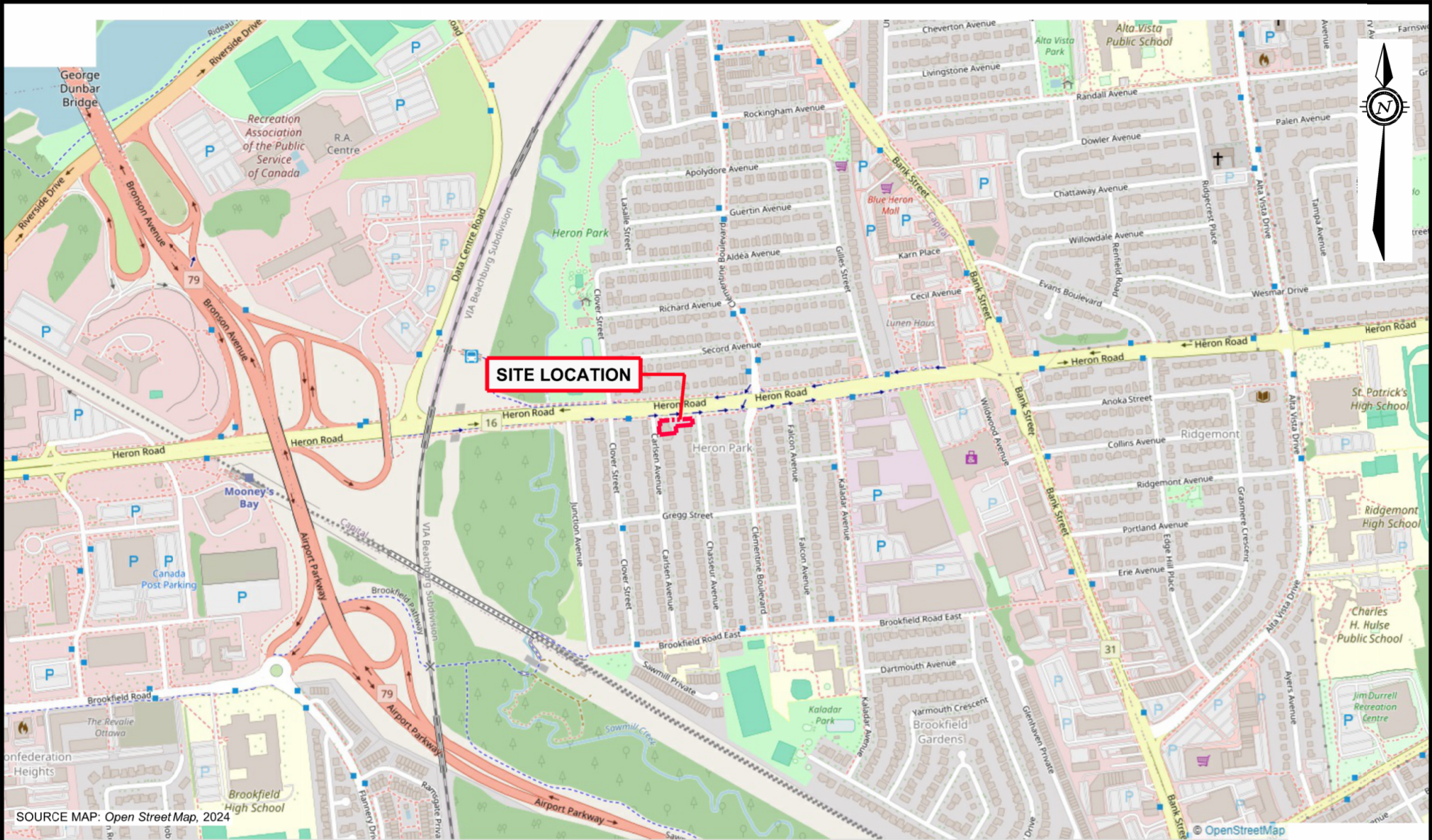
*Phase One Environmental Site Assessment*

2409 Carlsen Avenue, Ottawa, Ontario

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October 28, 2024

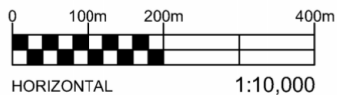
## Appendix B: Figures



### LEGEND

----- APPROXIMATE  
PROPERTY BOUNDARY

ORIGINAL SHEET SIZE = 11" X 8.5"



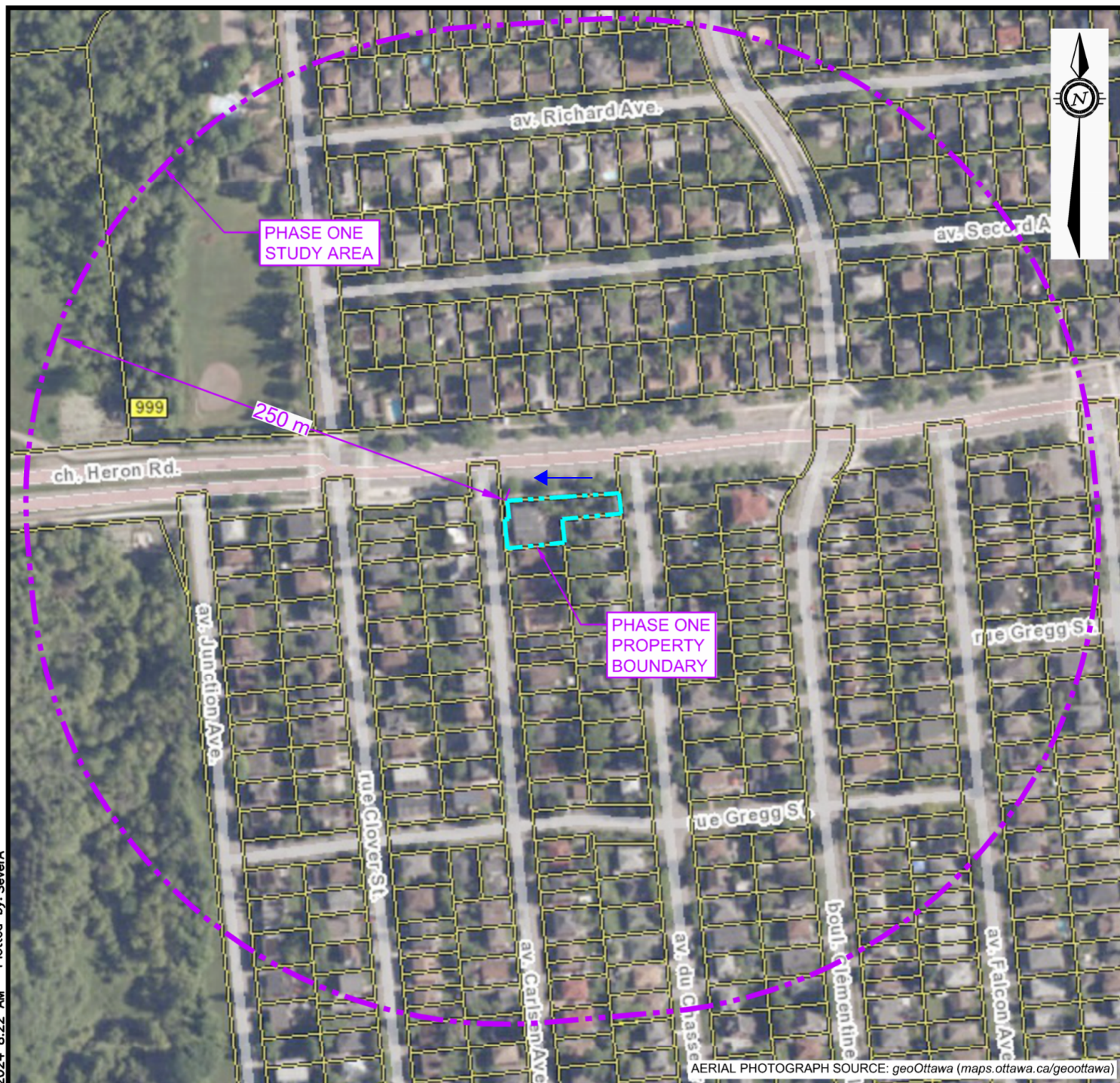
EXP Services Inc. [www.exp.com](http://www.exp.com)

t: +1.613.688.1899 | f: +1.613.225.7337  
2650 Queensview Drive, Suite 100  
Ottawa, ON K2B 8H6, Canada

DATE SEPTEMBER 2024		CLIENT: THEBERGE HOMES	project no. OTT-24002375-A0
DESIGN DC	CHECKED DC	PROPERTY ADDRESS: 2409 CARLESEN AVENUE, OTTAWA, ONTARIO	scale 1:10,000
DRAWN BY AS		PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT	
		TITLE: SITE LOCATION PLAN	FIG 1



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Last Plotted: Oct 1, 2024 8:22 AM  
Plotted by: Severa



### LEGEND

- PROPERTY BOUNDARY
- STUDY AREA (250m)
- INFERRED GROUNDWATER FLOW DIRECTION

**PCA #28** ●

POTENTIALLY CONTAMINATING  
ACTIVITY (PCA) RESULTING IN APEC

**PCA #10** ●

POTENTIALLY CONTAMINATING ACTIVITY  
(PCA) NOT RESULTING IN APEC

ORIGINAL SHEET SIZE = 8.5" X 11"



HORIZONTAL 1:3,000



EXP Services Inc. [www.exp.com](http://www.exp.com)

t: +1.613.688.1899 | f: +1.613.225.7337  
2650 Queensview Drive, Suite 100  
Ottawa, ON K2B 8H6, Canada

DATE SEPTEMBER 2024		CLIENT: THEBERGE HOMES	project no. OTT-24002375-A0
DESIGN DC	CHECKED DC	PROPERTY ADDRESS: 2409 CARLESEN AVENUE, OTTAWA, ONTARIO	scale 1:3,000
DRAWN BY AS		PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT	FIG 2
		TITLE: PHASE ONE STUDY AREA	



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Last Plotted: Oct 1, 2024 8:23 AM  
Plotted by: Severa



### LEGEND

----- PROPERTY BOUNDARY

ORIGINAL SHEET SIZE = 8.5" X 11"



HORIZONTAL 1:400



EXP Services Inc. [www.exp.com](http://www.exp.com)

t: +1.613.688.1899 | f: +1.613.225.7337  
2650 Queensview Drive, Suite 100  
Ottawa, ON K2B 8H6, Canada

DATE SEPTEMBER 2024		CLIENT: THEBERGE HOMES	project no. OTT-24002375-A0
DESIGN DC	CHECKED DC	PROPERTY ADDRESS: 2409 CARLESEN AVENUE, OTTAWA, ONTARIO	scale 1:1,400
DRAWN BY AS		PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT	
		TITLE: PHASE ONE CONCEPTUAL SITE MODEL	FIG 3

EXP Services Inc.

2409 Carlsen Inc.

*Phase One Environmental Site Assessment*

2409 Carlsen Avenue, Ottawa, Ontario

OTT-24002375-A0

October 28, 2024

## **Appendix C: Fire Insurance Plans, Title Search, Municipal Records & Provincial Records**





October 5, 2024

Mr. Momin Malek  
EXP Services Inc.  
2650 Queensview Drive, Unit 100  
Ottawa, Ontario K2B 8H6  
momin.malek@exp.com

Dear Momin Malek:

RE: **MECP FOI A-2024-06196, Your Reference OTT-24002375-A0 – Decision Letter**

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to:

2409 Carlsen Avenue, Ottawa  
Timeframe: January 1st, 1900 to September 18th, 2024

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

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

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

Yours truly,

*Roxanne Chambers*

for

Josephine DeSouza  
Manager, Access and Privacy Office



---

# CITY DIRECTORY

**Project Property:** *Phase One ESA  
2409 Carlsen Avenue  
Ottawa, ON K1V 8E9*

**Project No:** *OTT-24002375-A0\_Devin Clouthier*

**Requested By:** *exp Services Inc.*

**Order No:** *24091800011*

**Date Completed:** *September 24, 2024*

## Environmental Risk Information Services

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

September 24, 2024  
RE: CITY DIRECTORY RESEARCH  
2409 Carlsen Avenue  
Ottawa, ON K1V 8E9

Thank you for contacting ERIS regarding our City Directory Search services. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. When searching a range of addresses, all civic addresses within that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on highly developed areas, while newly developed areas may be covered in the more recent years, older directories tend to cover only "central" parts of the city. To complete the search, we have either utilized the Toronto Reference Library, Library & Archives Canada and multiple digitized directories. While these do not claim to be a complete collection of all reverse listing city directories produced, ERIS has made every effort to provide accurate and complete information. ERIS shall not be held liable for missing, incomplete, or inaccurate information. If you believe there are additional addresses or streets that require searching, please contact us.

**Search Criteria:**

All of Ave du Chasseur  
All of Carlsen Avenue  
1030-1090 of Heron Road

**Search Notes:**

Ave du Chasseur is also known as Huntley Avenue in Ottawa.

## Search Results Summary

**Data from 2012 to 2017 does not include residential information**

Date	Source	Comment
2023	DIGITAL BUSINESS DIRECTORY	
2021	DIGITAL BUSINESS DIRECTORY	
2017	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2006	VERNONS	
2000	POLKS	
1994	POLKS	
1987	MIGHTS	
1982	MIGHTS	
1976	MIGHTS	
1971	MIGHTS	
1966	MIGHTS	
1960	MIGHTS	
1955	MIGHTS	
1950	MIGHTS	

### Environmental Risk Information Services

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1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

2410 H ANASTASAKOS...RESIDENTIAL  
2410 P ANASTASAKOS...RESIDENTIAL  
2415 D LOUGH...RESIDENTIAL  
2419 P EKSTROM...RESIDENTIAL  
2422 D MEAD...RESIDENTIAL  
2426 E CHAAR...RESIDENTIAL  
2426 FAY ANDERSON...RESIDENTIAL  
2427 I BOUGHNER...RESIDENTIAL  
2430 SAFADI EL...RESIDENTIAL  
2431 G CHARLEBOIS...RESIDENTIAL  
2432 W ROTHERY...RESIDENTIAL  
2442 A CLARK...RESIDENTIAL  
2442 JOE MORRIS...RESIDENTIAL  
2446 C KEALY...RESIDENTIAL  
2454 RYAN JACOB...RESIDENTIAL  
2459 JOSEPH DACCACHE...RESIDENTIAL  
2460 A FASCETTO...RESIDENTIAL  
2461 A SAIKALEY...RESIDENTIAL  
2461 JOSEPH SAIKALEY...RESIDENTIAL  
2468 M DEGIOVANNI...RESIDENTIAL  
2469 MAIMANAGY FARAHIN...RESIDENTIAL  
2481 D DIGIOSIA...RESIDENTIAL  
2481 P NICHOLSON...RESIDENTIAL  
2486 H WALLACE...RESIDENTIAL  
2489 J PLACKEN...RESIDENTIAL  
2496 S POLKEY...RESIDENTIAL  
2497 J EL-BOUCHI...RESIDENTIAL  
2499 J NZAKAMULILO...RESIDENTIAL  
2503 A BUENEMAN...RESIDENTIAL

2400 J FAIRBAIRN...RESIDENTIAL  
2400 M PROULX...RESIDENTIAL  
2400 M SMYTH...RESIDENTIAL  
2409 BRAD JOHNSON...RESIDENTIAL  
2409 CAM JOHNSON...RESIDENTIAL  
2409 D JOHNSON...RESIDENTIAL  
2410 S MCCLEAVE...RESIDENTIAL  
2411 K BEYERS...RESIDENTIAL  
2415 J PUTINSKY...RESIDENTIAL  
2415 N KEARNS...RESIDENTIAL  
2415 T GAGNE...RESIDENTIAL  
2418 S FEZZANI...RESIDENTIAL  
2419 P TESSIER...RESIDENTIAL  
2421 ROBERT LANTOS...RESIDENTIAL  
2422 J PATON...RESIDENTIAL  
2422 L DELARGE...RESIDENTIAL  
2423 BRENNAN ROBERT J CPA...ACCOUNTANTS-CERTIFIED-GENERAL  
2423 BRENNAN ROBERT J CPA...ACCOUNTANTS  
2423 H SEYMOUR...RESIDENTIAL  
2423 R J BRENNAN CPA...ACCOUNTANTS  
2425 NATASHA GRAY...RESIDENTIAL  
2426 K FAGAN...RESIDENTIAL  
2429 B REDFERN...RESIDENTIAL  
2429 R ISLAM...RESIDENTIAL  
2430 CURT VANDELIGT...RESIDENTIAL  
2430 E MORLEY...RESIDENTIAL  
2433 B TREMBLAY...RESIDENTIAL  
2434 C CINANNI...RESIDENTIAL  
2434 D BLACK...RESIDENTIAL  
2437 S BUETI...RESIDENTIAL  
2459 J MCLAREN...RESIDENTIAL  
2460 C MOELLER...RESIDENTIAL  
2460 M BELAIR...RESIDENTIAL  
2462 MOHAMED AWADA...RESIDENTIAL  
2463 M IBRAHIM...RESIDENTIAL  
2466 CRYSTAL GRANT...RESIDENTIAL  
2466 G SASSANO...RESIDENTIAL  
2467 Q GUYEA...RESIDENTIAL  
2470 R LASCELLES...RESIDENTIAL  
2476 G SUTCLIFFE...RESIDENTIAL  
2477 G LAPPA...RESIDENTIAL  
2482 R SCHINGH...RESIDENTIAL  
2483 RAMON RIVAS...RESIDENTIAL  
2484 T DELONG...RESIDENTIAL  
2485 C BORRIS...RESIDENTIAL  
2486 B BULGER...RESIDENTIAL  
2486 K HAGSTROM...RESIDENTIAL  
2488 J FAIRBAIRN-PARENT...RESIDENTIAL  
2488 M BLAIS...RESIDENTIAL  
2488 W POLSON-LAHACHE...RESIDENTIAL  
2489 DORIS REID...RESIDENTIAL  
2495 J SCOTT...RESIDENTIAL  
2496 PAUL BRADLEY...RESIDENTIAL  
2496 T MACKEY...RESIDENTIAL  
2499 H SOUTAR...RESIDENTIAL  
2499 K GORDON...RESIDENTIAL  
2500 C PILECKI...RESIDENTIAL  
2503 A DORLAND...RESIDENTIAL  
2503 K HOWSON...RESIDENTIAL  
2508 C NOTLEY...RESIDENTIAL  
2508 NICOLE FILIATRAULT...RESIDENTIAL

1035M BRISLINGER...RESIDENTIAL

1039CLEMENTE MADDALENA...RESIDENTIAL

1043N MRABET...RESIDENTIAL

1047J FRASER...RESIDENTIAL

1059ANDREW SAMUELS...RESIDENTIAL

1059J GAREY...RESIDENTIAL

1065J BAUMAN...RESIDENTIAL

1069A MCPARTLAND...RESIDENTIAL

1083TANNER WARD...RESIDENTIAL

1087G DIPELINO...RESIDENTIAL

1089S KACZMAREK...RESIDENTIAL

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2410P ANASTASAKOS...RESIDENTIAL

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 2434 D BLACK...RESIDENTIAL  
 2459 J MCLAREN...RESIDENTIAL  
 2460 C MOELLER...RESIDENTIAL  
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 2500 C PILECKI...RESIDENTIAL  
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 1065 J BAUMAN...RESIDENTIAL  
 1069 A MCPARTLAND...RESIDENTIAL  
 1083 TANNER WARD...RESIDENTIAL  
 1087 G DIPELINO...RESIDENTIAL  
 1089 LENA LASCARIS...RESIDENTIAL  
 1089 S KACZMAREK...RESIDENTIAL

NO LISTING FOUND

2423 BRENNAN ROBERT J...OFFICES OF CERTIFIED PUBLIC ACCOUNTANTS  
2423 BRENNAN ROBERT J CA...OFFICES OF CERTIFIED PUBLIC ACCOUNTANTS



NO LISTING FOUND

NO LISTING FOUND

2423 BRENNAN, ROBERT J...OFFICES OF CERTIFIED PUBLIC ACCOUNTANTS

NO LISTING FOUND

all ALL RESIDENTIAL

all ALL RESIDENTIAL

1030-  
1090ALL RESIDENTIAL

allALL RESIDENTIAL

all  
2503

ALL RESIDENTIAL  
GEORGE NAIM

1030-  
1090

ALL RESIDENTIAL

all ALL RESIDENTIAL

all ALL RESIDENTIAL

1030-  
1090ALL RESIDENTIAL

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allALL RESIDENTIAL

1030-1090ALL RESIDENTIAL



All ALL RESIDENTIAL

All ALL RESIDENTIAL

1030-  
1090ALL RESIDENTIAL

allALL RESIDENTIAL

allALL RESIDENTIAL

1030-1090ALL RESIDENTIAL

all

ALL RESIDENTIAL

all

ALL RESIDENTIAL

1060MAYO ELECTRIC OTTAWA LTD  
1030-ALL RESIDENTIAL  
1090

allALL RESIDENTIAL

1966

CARLSEN AVENUE

SOURCE: MIGHTS

all  
2469      ALL RESIDENTIAL  
CAPITAL PAINTERS & DECORATORS

1966

HERON ROAD

SOURCE: MIGHTS

1030-  
1090      ALL RESIDENTIAL

all

ALL RESIDENTIAL

all

ALL RESIDENTIAL

1030-  
1090ALL RESIDENTIAL

allALL RESIDENTIAL



allALL RESIDENTIAL

1030-1090ALL RESIDENTIAL

all STREET NOT LISTED

all STREET NOT LISTED

1030-  
1090

NO LISTINGS WITHIN RADIUS

EXP Services Inc.

2409 Carlsen Inc.

*Phase One Environmental Site Assessment*

2409 Carlsen Avenue, Ottawa, Ontario

OTT-24002375-A0

October 28, 2024

## Appendix D: EcoLog ERIS Report



# DATABASE REPORT

<b>Project Property:</b>	<i>Phase One ESA 2409 Carlsen Avenue Ottawa ON K1V 8E9</i>
<b>Project No:</b>	<i>OTT-24002375-A0_Devin Clouthier</i>
<b>Report Type:</b>	<i>Standard Report</i>
<b>Order No:</b>	<i>24091800011</i>
<b>Requested by:</b>	<i>exp Services Inc.</i>
<b>Date Completed:</b>	<i>September 23, 2024</i>

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# Executive Summary

## Property Information:

**Project Property:** *Phase One ESA  
2409 Carlsen Avenue Ottawa ON K1V 8E9*

**Project No:** *OTT-24002375-A0\_Devin Clouthier*

## **Coordinates:**

**Latitude:** *45.377633*  
**Longitude:** *-75.6752725*  
**UTM Northing:** *5,025,123.79*  
**UTM Easting:** *447,128.98*  
**UTM Zone:** *18T*

**Elevation:** *257 FT  
78.42 M*

## Order Information:

**Order No:** *24091800011*  
**Date Requested:** *September 18, 2024*  
**Requested by:** *exp Services Inc.*  
**Report Type:** *Standard Report*

## Historical/Products:

**City Directory Search** *Smart CD Search*  
**ERIS Xplorer** *[ERIS Xplorer](#)*  
**Insurance Products** *Fire Insurance Maps/Inspection Reports/Site Plans*

## Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking &amp; Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	6	6
CA	<i>Certificates of Approval</i>	Y	0	0	0
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	0	0
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	1	1
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries &amp; Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	3	3
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	3	3
IAFT	<i>Indian &amp; Northern Affairs Fuel Tanks</i>	Y	0	0	0



<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Within 0.25 km</b>	<b>Total</b>
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	1	1
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense &amp; Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense &amp; Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPR2	<i>National Pollutant Release Inventory 1993-2020</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory - Historic</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PFAS	<i>Ontario PFAS Spills</i>	Y	0	0	0
PFCH	<i>NPRI Reporters - PFAS Substances</i>	Y	0	0	0
PFHA	<i>Potential PFAS Handlers from NPRI</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	4	4
PPHA	<i>Potential PFAS Handlers from EASR</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	6	6
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	14	14

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
<hr/>					
		<b>Total:</b>	0	38	38

# Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
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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
<a href="#">1</a>	PINC	ENBRIDGE GAS INC	1043 HERON RD,,OTTAWA,ON,K1V 6B9, CA ON	NNW/71.6	-3.33	<a href="#">20</a>
<a href="#">2</a>	BORE		ON	W/80.4	-4.54	<a href="#">20</a>
<a href="#">3</a>	HINC		1071 HERON ROAD OTTAWA ON K1V 6B9	NE/82.3	-1.38	<a href="#">21</a>
<a href="#">3</a>	PINC	FOUNDATION WORKS	1071 HERON RD,,OTTAWA,ON,K1V 6B9, CA ON	NE/82.3	-1.38	<a href="#">22</a>
<a href="#">4</a>	SPL	Enbridge Gas Distribution Inc.	2419 Huntsley Ave Ottawa ON	ESE/94.3	1.45	<a href="#">22</a>
<a href="#">4</a>	PINC	PIPELINE HIT 0.5"	2419 HUNTLEY AVE,,OTTAWA,ON,K1V 8E5,CA ON	ESE/94.3	1.45	<a href="#">23</a>
<a href="#">5</a>	HINC		1060 SECORD AVENUE OTTAWA ON K1H 8C8	N/102.1	-2.24	<a href="#">23</a>
<a href="#">6</a>	PINC	ENBRIDGE GAS INC	2435 CHASSEUR AVE,,OTTAWA,ON,K1V 8E5,CA ON	SE/132.5	1.37	<a href="#">24</a>
<a href="#">7</a>	SPL	CHEMLAWN	1077 SECORD ST. TANK TRUCK (CARGO) OTTAWA CITY ON K1H 8C7	NNE/162.4	-2.24	<a href="#">24</a>
<a href="#">8</a>	GEN	City of Ottawa Disposals and Environmental Remediation Unit	999 Heron Road Ottawa ON K1V 6B9	W/165.1	-8.90	<a href="#">25</a>
<a href="#">9</a>	SPL	1079 Secord Avenue<UNOFFICIAL>	1079 Secord Ave Ottawa ON K1H 8C7	NNE/168.4	-2.24	<a href="#">26</a>
<a href="#">9</a>	INC		1079 Secord Avenue, Ottawa ON	NNE/168.4	-2.24	<a href="#">26</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">10</a>	WWIS		979 HERON RD ON <b>Well ID:</b> 1535115	W/169.7	-8.90	<a href="#">27</a>
<a href="#">11</a>	SPL	Eastview Fuels<UNOFFICIAL>	Clover St and Gregg St Ottawa ON	SW/187.7	-0.85	<a href="#">29</a>
<a href="#">12</a>	WWIS		ON <b>Well ID:</b> 1508752	N/188.2	-3.49	<a href="#">30</a>
<a href="#">13</a>	BORE		ON	N/188.4	-3.49	<a href="#">32</a>
<a href="#">14</a>	BORE		ON	ENE/190.9	1.42	<a href="#">33</a>
<a href="#">15</a>	HINC		1076 RICHARD AVENUE OTTAWA ON	NNE/196.9	-2.54	<a href="#">34</a>
<a href="#">16</a>	GEN	Thurber Engineering Ltd.	1561 Clover Street Ottawa ON K1H 8H6	NW/197.4	-6.51	<a href="#">35</a>
<a href="#">17</a>	EHS		21471798 - Heron Rd Culvert Ottawa ON K1V 8G8	W/203.9	-13.54	<a href="#">35</a>
<a href="#">18</a>	GEN	OC Transpo - City of Ottawa	957 Heron Road Ottawa ON	W/204.9	-13.54	<a href="#">35</a>
<a href="#">19</a>	SPL	SNC-Lavalin Inc.	947 Heron Road Ottawa ON	W/210.5	-13.54	<a href="#">36</a>
<a href="#">20</a>	WWIS		979 HERON OTTAWA ON <b>Well ID:</b> 7190441	W/214.6	-13.54	<a href="#">37</a>
<a href="#">21</a>	WWIS		999 CLOVER ST Ottawa ON <b>Well ID:</b> 7263713	NW/217.2	-8.24	<a href="#">39</a>
<a href="#">22</a>	WWIS		999 CLOVER ST Ottawa ON	NW/218.0	-8.24	<a href="#">42</a>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			<b>Well ID:</b> 7263714			
<a href="#">23</a>	WWIS		999 HERON ROAD Ottawa ON <b>Well ID:</b> 7245125	NW/219.5	-8.24	<a href="#">45</a>
<a href="#">24</a>	BORE		ON	ENE/220.6	0.43	<a href="#">48</a>
<a href="#">25</a>	WWIS		999 HURON ROAD Ottawa ON <b>Well ID:</b> 7245124	NW/222.2	-8.54	<a href="#">49</a>
<a href="#">26</a>	WWIS		999 HERON ROAD Ottawa ON <b>Well ID:</b> 7245127	NW/226.2	-8.54	<a href="#">52</a>
<a href="#">27</a>	WWIS		999 HERON ROAD Ottawa ON <b>Well ID:</b> 7245123	NW/227.1	-8.54	<a href="#">55</a>
<a href="#">28</a>	WWIS		999 HERON ROAD Ottawa ON <b>Well ID:</b> 7245126	NW/229.7	-8.82	<a href="#">59</a>
<a href="#">29</a>	BORE		ON	WSW/230.3	-9.02	<a href="#">62</a>
<a href="#">30</a>	WWIS		ON <b>Well ID:</b> 1508270	WSW/230.4	-9.02	<a href="#">63</a>
<a href="#">31</a>	WWIS		999 HERON ROAD Ottawa ON <b>Well ID:</b> 7245129	NW/236.8	-8.54	<a href="#">66</a>
<a href="#">32</a>	WWIS		999 HERON ROAD Ottawa ON <b>Well ID:</b> 7245128	NW/237.2	-8.54	<a href="#">69</a>
<a href="#">33</a>	WWIS		ON <b>Well ID:</b> 1508753	N/239.2	-4.26	<a href="#">72</a>
<a href="#">34</a>	BORE		ON	N/239.3	-4.26	<a href="#">75</a>
<a href="#">35</a>	SPL	HYDRO OTTAWA	REAR LOT OF 2464 CLEMINTINE OTTAWA TRANSFORMER OTTAWA CITY ON	SE/242.7	3.61	<a href="#">77</a>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
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# Executive Summary: Summary By Data Source

## **BORE - Borehole**

A search of the BORE database, dated 1875-Jul 2018 has found that there are 6 BORE site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	ENE	190.86	<a href="#"><u>14</u></a>
	ON	ENE	220.59	<a href="#"><u>24</u></a>

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	W	80.41	<a href="#"><u>2</u></a>
	ON	N	188.42	<a href="#"><u>13</u></a>
	ON	WSW	230.25	<a href="#"><u>29</u></a>
	ON	N	239.34	<a href="#"><u>34</u></a>

## **EHS - ERIS Historical Searches**

A search of the EHS database, dated 1999-Mar 31, 2024 has found that there are 1 EHS site(s) within approximately 0.25 kilometers of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	21471798 - Heron Rd Culvert Ottawa ON K1V 8G8	W	203.90	<a href="#"><u>17</u></a>



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

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 3 GEN site(s) within approximately 0.25 kilometers of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
City of Ottawa Disposals and Environmental Remediation Unit	999 Heron Road Ottawa ON K1V 6B9	W	165.10	<a href="#"><u>8</u></a>
Thurber Engineering Ltd.	1561 Clover Street Ottawa ON K1H 8H6	NW	197.39	<a href="#"><u>16</u></a>
OC Transpo - City of Ottawa	957 Heron Road Ottawa ON	W	204.86	<a href="#"><u>18</u></a>

## **HINC - TSSA Historic Incidents**

A search of the HINC database, dated 2006-June 2009\* has found that there are 3 HINC site(s) within approximately 0.25 kilometers of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	1071 HERON ROAD OTTAWA ON K1V 6B9	NE	82.25	<a href="#"><u>3</u></a>
	1060 SECORD AVENUE OTTAWA ON K1H 8C8	N	102.06	<a href="#"><u>5</u></a>
	1076 RICHARD AVENUE OTTAWA ON	NNE	196.85	<a href="#"><u>15</u></a>

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

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

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	1079 Secord Avenue, Ottawa ON	NNE	168.41	<a href="#"><u>9</u></a>

## **PINC - Pipeline Incidents**

A search of the PINC database, dated Feb 28, 2021 has found that there are 4 PINC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PIPELINE HIT 0.5"	2419 HUNTLEY AVE,,OTTAWA,ON, K1V 8E5,CA ON	ESE	94.27	<a href="#"><u>4</u></a>
ENBRIDGE GAS INC	2435 CHASSEUR AVE,,OTTAWA,ON, K1V 8E5,CA ON	SE	132.47	<a href="#"><u>6</u></a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
ENBRIDGE GAS INC	1043 HERON RD,,OTTAWA,ON,K1V 6B9,CA ON	NNW	71.64	<a href="#"><u>1</u></a>
FOUNDATION WORKS	1071 HERON RD,,OTTAWA,ON,K1V 6B9,CA ON	NE	82.25	<a href="#"><u>3</u></a>

### **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Mar 2024; May 2024 has found that there are 6 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Enbridge Gas Distribution Inc.	2419 Huntsley Ave Ottawa ON	ESE	94.27	<a href="#"><u>4</u></a>
HYDRO OTTAWA	REAR LOT OF 2464 CLEMINTINE OTTAWA TRANSFORMER OTTAWA CITY ON	SE	242.72	<a href="#"><u>35</u></a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CHEMLAWN	1077 SECORD ST. TANK TRUCK (CARGO) OTTAWA CITY ON K1H 8C7	NNE	162.40	<a href="#"><u>7</u></a>
1079 Secord Avenue<UNOFFICIAL>	1079 Secord Ave Ottawa ON K1H 8C7	NNE	168.41	<a href="#"><u>9</u></a>

Eastview Fuels<UNOFFICIAL>	Clover St and Gregg St Ottawa ON	SW	187.74	<a href="#">11</a>
SNC-Lavalin Inc.	947 Heron Road Ottawa ON	W	210.48	<a href="#">19</a>

## **WWIS - Water Well Information System**

A search of the WWIS database, dated Dec 31 2023 has found that there are 14 WWIS site(s) within approximately 0.25 kilometers of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	979 HERON RD ON  <i>Well ID: 1535115</i>	W	169.65	<a href="#">10</a>
	ON  <i>Well ID: 1508752</i>	N	188.22	<a href="#">12</a>
	979 HERON OTTAWA ON  <i>Well ID: 7190441</i>	W	214.58	<a href="#">20</a>
	999 CLOVER ST Ottawa ON  <i>Well ID: 7263713</i>	NW	217.24	<a href="#">21</a>
	999 CLOVER ST Ottawa ON  <i>Well ID: 7263714</i>	NW	218.04	<a href="#">22</a>
	999 HERON ROAD Ottawa ON  <i>Well ID: 7245125</i>	NW	219.47	<a href="#">23</a>
	999 HURON ROAD Ottawa ON  <i>Well ID: 7245124</i>	NW	222.15	<a href="#">25</a>
	999 HERON ROAD Ottawa ON  <i>Well ID: 7245127</i>	NW	226.17	<a href="#">26</a>
	999 HERON ROAD Ottawa ON	NW	227.07	<a href="#">27</a>

**Well ID:** 7245123

999 HERON ROAD  
Ottawa ON

NW

229.68

[28](#)

**Well ID:** 7245126

ON

WSW

230.36

[30](#)

**Well ID:** 1508270

999 HERON ROAD  
Ottawa ON

NW

236.77

[31](#)

**Well ID:** 7245129

999 HERON ROAD  
Ottawa ON

NW

237.22

[32](#)

**Well ID:** 7245128

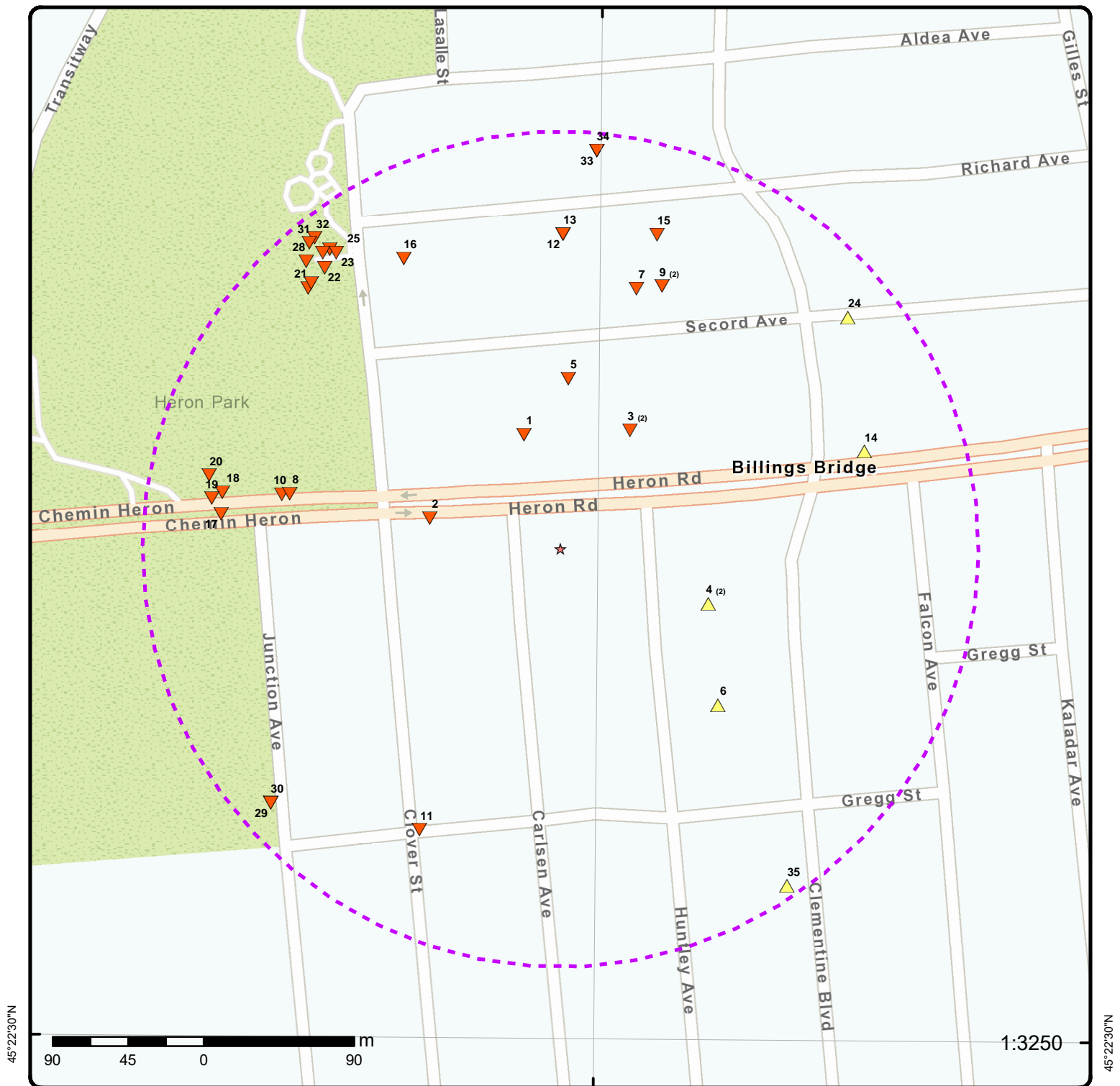
ON

N

239.20

[33](#)

**Well ID:** 1508753



## Map: 0.25 Kilometer Radius

Order Number: 24091800011

Address: 2409 Carlsen Avenue, Ottawa, ON



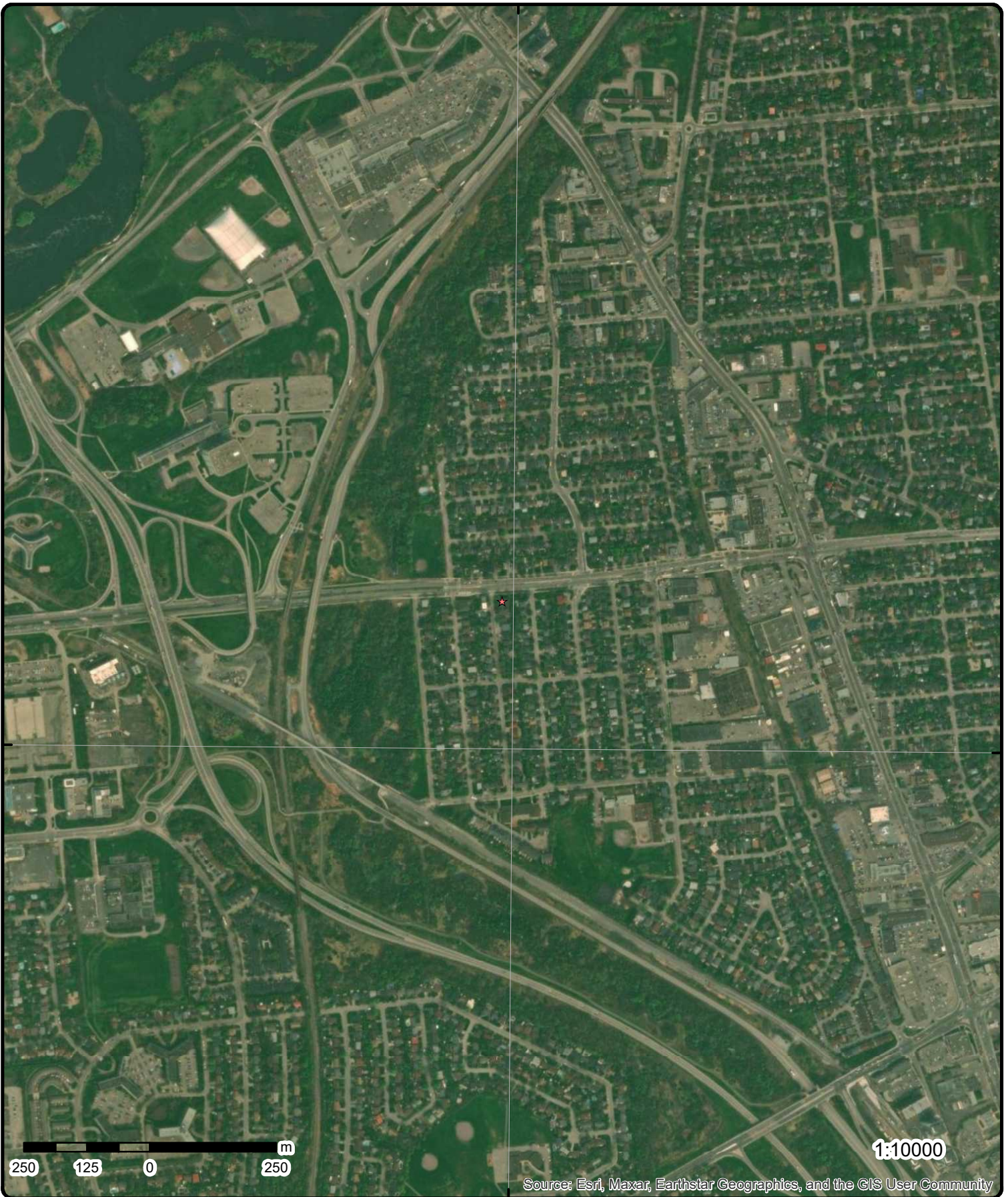
- |                                   |                                    |                    |                        |
|-----------------------------------|------------------------------------|--------------------|------------------------|
| ★ Project Property                | Freeways; Highways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



75°40'30"W

45°22'30"N

45°22'30"N



**Aerial**      Year: 2023

Order Number: 24091800011

**Address: 2409 Carlsen Avenue, Ottawa, ON**



Source: ESRI World Imagery

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75°42'W

75°40'30"W

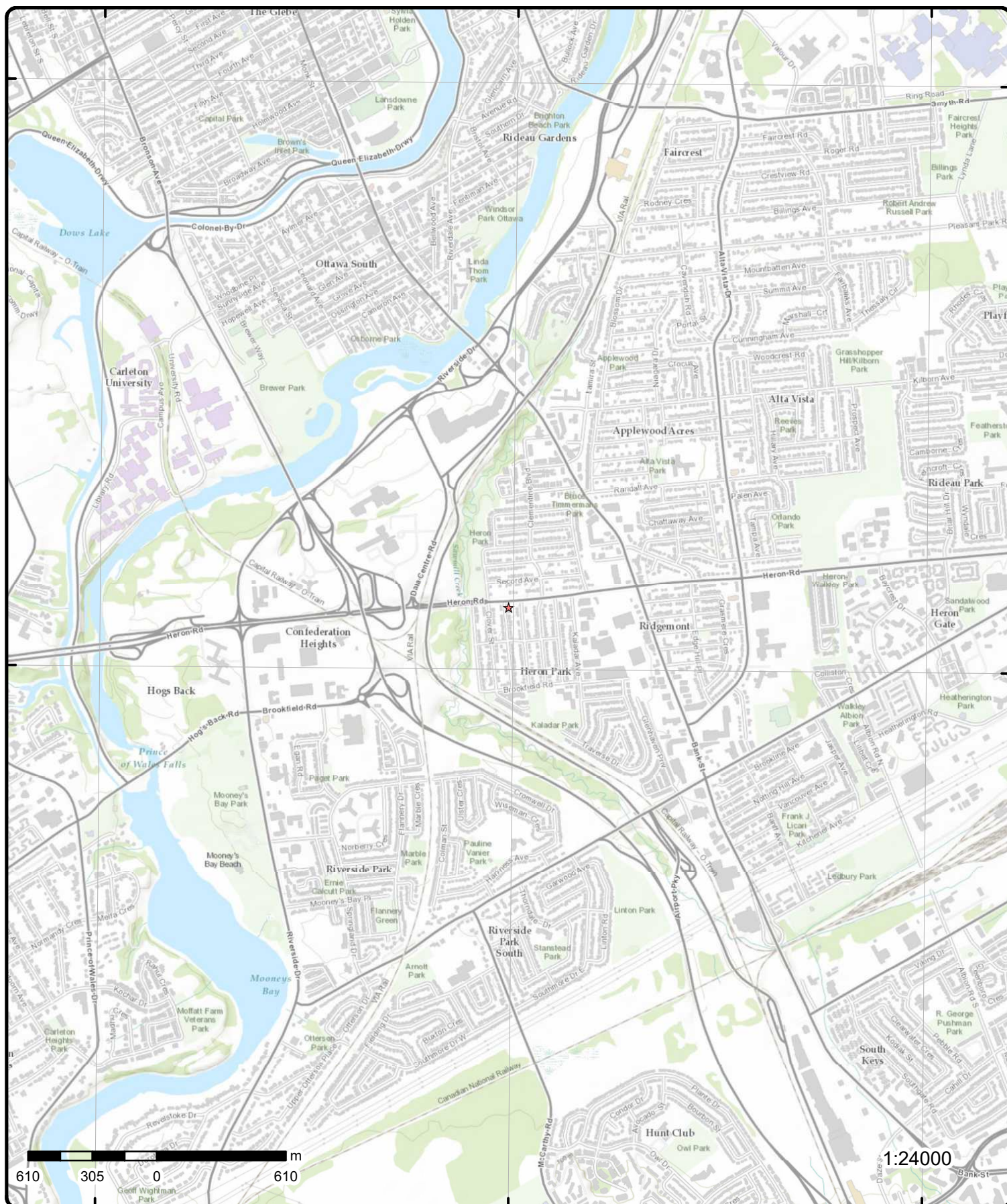
75°39'W

45°24'N

45°24'N

45°22'30"N

45°22'30"N



# Topographic Map

Order Number: 24091800011

Address: 2409 Carlsen Avenue, ON

Source: ESRI World Topographic Map



© ERIS Information Limited Partnership

# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">1</a>	1 of 1	NNW/71.6	75.1 / -3.33	ENBRIDGE GAS INC 1043 HERON RD., OTTAWA, ON, K1V 6B9, CA ON	PINC
<div> <div> <b>Incident Id:</b>  <b>Incident No:</b> 2499704  <b>Incident Reported Dt:</b> 2/6/2019  <b>Type:</b> FS-Pipeline Incident  <b>Status Code:</b>  <b>Tank Status:</b> Pipeline Damage Reason Est  <b>Task No:</b>  <b>Spills Action Centre:</b>  <b>Fuel Type:</b>  <b>Fuel Occurrence Tp:</b>  <b>Date of Occurrence:</b>  <b>Occurrence Start Dt:</b>  <b>Depth:</b>  <b>Customer Acct Name:</b> ENBRIDGE GAS INC  <b>Incident Address:</b> 1043 HERON RD., OTTAWA, ON, K1V 6B9, CA  <b>Operation Type:</b>  <b>Pipeline Type:</b>  <b>Regulator Type:</b>  <b>Summary:</b>  <b>Reported By:</b>  <b>Affiliation:</b>  <b>Occurrence Desc:</b>  <b>Damage Reason:</b>  <b>Notes:</b> </div> <div> <b>Pipe Material:</b>  <b>Fuel Category:</b>  <b>Health Impact:</b>  <b>Environment Impact:</b>  <b>Property Damage:</b>  <b>Service Interrupt:</b>  <b>Enforce Policy:</b>  <b>Public Relation:</b>  <b>Pipeline System:</b>  <b>PSIG:</b>  <b>Attribute Category:</b>  <b>Regulator Location:</b>  <b>Method Details:</b> </div> </div>					
<a href="#">2</a>	1 of 1	W/80.4	73.9 / -4.54	ON	BORE
<div> <div> <b>Borehole ID:</b> 612819  <b>OGF ID:</b> 215514125  <b>Status:</b>  <b>Type:</b> Borehole  <b>Use:</b>  <b>Completion Date:</b> SEP-1971  <b>Static Water Level:</b>  <b>Primary Water Use:</b>  <b>Sec. Water Use:</b>  <b>Total Depth m:</b> 2.4  <b>Depth Ref:</b> Ground Surface  <b>Depth Elev:</b>  <b>Drill Method:</b>  <b>Orig Ground Elev m:</b> 75.7  <b>Elev Reliabil Note:</b>  <b>DEM Ground Elev m:</b> 76.5  <b>Concession:</b>  <b>Location D:</b>  <b>Survey D:</b>  <b>Comments:</b> </div> <div> <b>Inclin FLG:</b> No  <b>SP Status:</b> Initial Entry  <b>Surv Elev:</b> No  <b>Piezometer:</b> No  <b>Primary Name:</b>  <b>Municipality:</b>  <b>Lot:</b>  <b>Township:</b>  <b>Latitude DD:</b> 45.377793  <b>Longitude DD:</b> -75.676274  <b>UTM Zone:</b> 18  <b>Easting:</b> 447051  <b>Northing:</b> 5025142  <b>Location Accuracy:</b>  <b>Accuracy:</b> Not Applicable </div> </div>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Borehole Geology Stratum</u></b>					
<b>Geology Stratum ID:</b>	218392616			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	.6			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>				<b>Geologic Formation:</b>	
<b>Material 2:</b>	Fill			<b>Geologic Group:</b>	
<b>Material 3:</b>	Sand			<b>Geologic Period:</b>	
<b>Material 4:</b>	Gravel			<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	ARTIFICIAL.				
<b>Geology Stratum ID:</b>	218392617			<b>Mat Consistency:</b>	Soft
<b>Top Depth:</b>	.6			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	2.4			<b>Material Texture:</b>	
<b>Material Color:</b>	Brown			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Clay			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Silt			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	CLAY. BROWN,GREY,FISSURED. VERY SOFT. CLAY. BROWN,GREY,VERY SOFT,FISSURED.UNSPECIFIED. DEN **Note: Many records provided by the department have a truncated [Stratum Description] field.				
<b><u>Source</u></b>					
<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada			<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972			<b>Scale or Res:</b>	Varies
<b>Confidence:</b>	H			<b>Horizontal:</b>	NAD27
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Details:</b>	File: OTTAWA2.txt RecordID: 053270 NTS_Sheet: 31G05G				
<b>Confiden 1:</b>	Logged by professional. Exact and complete description of material and properties.				
<b><u>Source List</u></b>					
<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies				
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Originators:</b>	Geological Survey of Canada				
<b><u>3</u></b>	<b>1 of 2</b>	<b>NE/82.3</b>	<b>77.0 / -1.38</b>	<b>1071 HERON ROAD OTTAWA ON K1V 6B9</b>	<b>HINC</b>
<b>External File Num:</b>	FS INC 0701-00125				
<b>Fuel Occurrence Type:</b>	Leak				
<b>Date of Occurrence:</b>	1/9/2007				
<b>Fuel Type Involved:</b>	Fuel Oil				
<b>Status Desc:</b>	Completed - Causal Analysis(End)				
<b>Job Type Desc:</b>	Incident/Near-Miss Occurrence (FS)				
<b>Oper. Type Involved:</b>	Private Dwelling				
<b>Service Interruptions:</b>	No				
<b>Property Damage:</b>	No				
<b>Fuel Life Cycle Stage:</b>	Utilization				
<b>Root Cause:</b>	Root Cause: Equipment/Material/Component:Yes    Procedures:No    Maintenance:No    Design:No    Training:No Management:No    Human Factors:No				
<b>Reported Details:</b>					
<b>Fuel Category:</b>	Liquid Fuel				
<b>Occurrence Type:</b>	Near-miss				

22 [erisinfo.com](http://erisinfo.com) | Environmental Risk Information Services Order No: 24091800011

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Easting:</b> <b>Incident Cause:</b> <b>Incident Preceding Spill:</b> Leak/Break <b>Environment Impact:</b> <b>Health Env Consequence:</b> <b>Nature of Impact:</b> <b>Contaminant Qty:</b> 0 other - see incident description <b>Contaminant Qty 1:</b> 0 <b>Contaminant Unit:</b> other - see incident description <b>Client Type:</b> Corporation <b>Source Type:</b> Valve/Fitting/Piping <b>Contaminant Code:</b> 35 <b>Contaminant Name:</b> NATURAL GAS (METHANE) <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> 1075 <b>Receiving Medium:</b> Air <b>Incident Reason:</b> Operator/Human Error <b>Incident Summary:</b> TSSA 1/2 inch plastic IP, made safe <b>Activity Preceding Spill:</b> <b>Property 2nd Watershed:</b> <b>Property Tertiary Watershed:</b> <b>Sector Type:</b> Miscellaneous Communal <b>SAC Action Class:</b> TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill <b>Call Report Locatn Geodata:</b> <b>Time Reported:</b> <b>System Facility Address:</b> <b>Client Name:</b> Enbridge Gas Distribution Inc.					
<a href="#">4</a>	2 of 2	ESE/94.3	79.9 / 1.45	PIPELINE HIT 0.5" 2419 HUNTLEY AVE,,OTTAWA,ON,K1V 8E5,CA ON	PINC
<b>Incident Id:</b> <b>Incident No:</b> 2183576 <b>Incident Reported Dt:</b> 11/1/2017 <b>Type:</b> FS-Pipeline Incident <b>Status Code:</b> <b>Tank Status:</b> Pipeline Damage Reason Est <b>Task No:</b> <b>Spills Action Centre:</b> <b>Fuel Type:</b> <b>Fuel Occurrence Tp:</b> <b>Date of Occurrence:</b> <b>Occurrence Start Dt:</b> <b>Depth:</b> <b>Customer Acct Name:</b> PIPELINE HIT 0.5" <b>Incident Address:</b> 2419 HUNTLEY AVE,,OTTAWA,ON,K1V 8E5,CA <b>Operation Type:</b> <b>Pipeline Type:</b> <b>Regulator Type:</b> <b>Summary:</b> <b>Reported By:</b> <b>Affiliation:</b> <b>Occurrence Desc:</b> <b>Damage Reason:</b> <b>Notes:</b>					
<b>Pipe Material:</b> <b>Fuel Category:</b> <b>Health Impact:</b> <b>Environment Impact:</b> <b>Property Damage:</b> <b>Service Interrupt:</b> <b>Enforce Policy:</b> <b>Public Relation:</b> <b>Pipeline System:</b> <b>PSIG:</b> <b>Attribute Category:</b> <b>Regulator Location:</b> <b>Method Details:</b>					
<a href="#">5</a>	1 of 1	N/102.1	76.2 / -2.24	1060 SECORD AVENUE OTTAWA ON K1H 8C8	HINC
<b>External File Num:</b> FS INC 0707-03550					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Fuel Occurrence Type:</b> <b>Date of Occurrence:</b> <b>Fuel Type Involved:</b> <b>Status Desc:</b> <b>Job Type Desc:</b> <b>Oper. Type Involved:</b> <b>Service Interruptions:</b> <b>Property Damage:</b> <b>Fuel Life Cycle Stage:</b> <b>Root Cause:</b> <b>Reported Details:</b> <b>Fuel Category:</b> <b>Occurrence Type:</b> <b>Affiliation:</b> <b>County Name:</b> <b>Approx. Quant. Rel:</b> <b>Nearby body of water:</b> <b>Enter Drainage Syst.:</b> <b>Approx. Quant. Unit:</b> <b>Environmental Impact:</b>					
				Completed - No Action Required Incident/Near-Miss Occurrence (FS)	
				Unknown Near-miss Emergency Services (Fire, Police,etc) Ottawa	
<u>6</u>	1 of 1	SE/132.5	79.8 / 1.37	ENBRIDGE GAS INC 2435 CHASSEUR AVE.,,OTTAWA,ON,K1V 8E5,CA ON	PINC
<b>Incident Id:</b> <b>Incident No:</b> <b>Incident Reported Dt:</b> <b>Type:</b> <b>Status Code:</b> <b>Tank Status:</b> <b>Task No:</b> <b>Spills Action Centre:</b> <b>Fuel Type:</b> <b>Fuel Occurrence Tp:</b> <b>Date of Occurrence:</b> <b>Occurrence Start Dt:</b> <b>Depth:</b> <b>Customer Acct Name:</b> <b>Incident Address:</b> <b>Operation Type:</b> <b>Pipeline Type:</b> <b>Regulator Type:</b> <b>Summary:</b> <b>Reported By:</b> <b>Affiliation:</b> <b>Occurrence Desc:</b> <b>Damage Reason:</b> <b>Notes:</b>					
				2956418 11/6/2020 FS-Pipeline Incident Pipeline Damage Reason Est	
				ENBRIDGE GAS INC 2435 CHASSEUR AVE.,,OTTAWA,ON,K1V 8E5,CA	
<b>Pipe Material:</b> <b>Fuel Category:</b> <b>Health Impact:</b> <b>Environment Impact:</b> <b>Property Damage:</b> <b>Service Interrupt:</b> <b>Enforce Policy:</b> <b>Public Relation:</b> <b>Pipeline System:</b> <b>PSIG:</b> <b>Attribute Category:</b> <b>Regulator Location:</b> <b>Method Details:</b>					
<u>7</u>	1 of 1	NNE/162.4	76.2 / -2.24	CHEMLAWN 1077 SECORD ST. TANK TRUCK (CARGO) OTTAWA CITY ON K1H 8C7	SPL
<b>Ref No:</b> <b>Year:</b> <b>Incident Dt:</b> <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> <b>Dt Document Closed:</b> <b>Site No:</b> <b>MOE Response:</b>					
				24787 7/13/1989 7/13/1989	
				Municipality No: 20101 Nature of Damage: Discharger Report: Material Group: Impact to Health: Agency Involved:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Site County/District:</b> <b>Site Geo Ref Meth:</b> <b>Site District Office:</b> <b>Nearest Watercourse:</b> <b>Site Name:</b> <b>Site Address:</b> <b>Site Region:</b> <b>Site Municipality:</b> OTTAWA CITY <b>Site Lot:</b> <b>Site Conc:</b> <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>Northing:</b> <b>Easting:</b> <b>Incident Cause:</b> PIPE/HOSE LEAK <b>Incident Preceding Spill:</b> <b>Environment Impact:</b> NOT ANTICIPATED <b>Health Env Consequence:</b> <b>Nature of Impact:</b> <b>Contaminant Qty:</b> <b>Contaminant Qty 1:</b> <b>Contaminant Unit:</b> <b>Client Type:</b> <b>Source Type:</b> <b>Contaminant Code:</b> <b>Contaminant Name:</b> <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Receiving Medium:</b> LAND <b>Incident Reason:</b> EQUIPMENT FAILURE <b>Incident Summary:</b> CHEMLAWN TRUCK-50 L HERBICIDE/FERTILIZER TO GROUND. <b>Activity Preceding Spill:</b> <b>Property 2nd Watershed:</b> <b>Property Tertiary Watershed:</b> <b>Sector Type:</b> <b>SAC Action Class:</b> <b>Call Report Locatn Geodata:</b> <b>Time Reported:</b> <b>System Facility Address:</b> <b>Client Name:</b>					
<u>8</u>	1 of 1	W/165.1	69.5 / -8.90	City of Ottawa Disposals and Environmental Remediation Unit 999 Heron Road Ottawa ON K1V 6B9	GEN
<b>Generator No:</b> ON7998246 <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> As of Oct 2022 <b>PO Box No:</b> <b>Country:</b> Canada <b>Status:</b> Registered <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>					
<u>Detail(s)</u>					
<b>Waste Class:</b> 221 L					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Name:		LIGHT FUELS			
<u>9</u>	1 of 2	NNE/168.4	76.2 / -2.24	1079 Secord Avenue<UNOFFICIAL> 1079 Secord Ave Ottawa ON K1H 8C7	SPL
Ref No: 1463-8MDSCA		Municipality No:			
Year:		Nature of Damage:			
Incident Dt: 9/29/2011		Discharger Report:			
Dt MOE Arvl on Scn:		Material Group:			
MOE Reported Dt: 10/6/2011		Impact to Health:			
Dt Document Closed: 11/22/2011		Agency Involved:			
Site No:					
MOE Response:		Referral to others			
Site County/District:					
Site Geo Ref Meth:					
Site District Office:					
Nearest Watercourse:					
Site Name:		Private Residence<UNOFFICIAL>			
Site Address:		1079 Secord Ave			
Site Region:					
Site Municipality:		Ottawa			
Site Lot:					
Site Conc:					
Site Geo Ref Accu:					
Site Map Datum:					
Northing:					
Easting:					
Incident Cause:		Pipe Or Hose Leak			
Incident Preceding Spill:					
Environment Impact:		Not Anticipated			
Health Env Consequence:					
Nature of Impact:					
Contaminant Qty:		0 other - see incident description			
Contaminant Qty 1:		0			
Contaminant Unit:		other - see incident description			
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:		Other - Reason not otherwise defined			
Incident Summary:		TSSAfsb- Furnace Oil Leak			
Activity Preceding Spill:					
Property 2nd Watershed:					
Property Tertiary Watershed:					
Sector Type:		Other			
SAC Action Class:		TSSA - Fuel Safety Branch			
Call Report Locatn Geodata:					
Time Reported:					
System Facility Address:					
Client Name:		1079 Secord Avenue<UNOFFICIAL>			
<u>9</u>	2 of 2	NNE/168.4	76.2 / -2.24	1079 Secord Avenue, Ottawa ON	INC
Incident No: 670284		Any Health Impact:		No	
Incident ID: 2827106		Any Enviro Impact:		Unknown	
Instance No:		Service Intrap:		Yes	
Status Code: Reopen		Was Prop Damaged:		No	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<div> <div> <b>Incident Status:</b>  <b>Incident Severity:</b>  <b>Task No:</b> 3503369  <b>Attribute Category:</b> FS-Perform L1 Incident Insp  <b>Context:</b>  <b>Date of Occurrence:</b> 2011/09/29 00:00:00  <b>Time of Occurrence:</b> 00:00:00  <b>Occr Insp Start Dt:</b> 2011/09/29 00:00:00  <b>Incident Creat On:</b>  <b>Instance Creat Dt:</b>  <b>Instance Install Dt:</b>  <b>Approx Quant Rel:</b> unknown  <b>Tank Capacity:</b>  <b>Fuels Occur Type:</b> Leak  <b>Occur Type Rpt:</b>  <b>Occur Category:</b>  <b>Fuel Type Involved:</b> Fuel Oil  <b>Fuel Type Reported:</b>  <b>Enforcement Policy:</b> NULL  <b>Prc Escalation Req:</b> NULL  <b>Item:</b>  <b>Item Description:</b>  <b>Device Installed Location:</b>  <b>Venting Type:</b>  <b>Vent Conn Mater:</b>  <b>Vent Chimney Mater:</b>  <b>Pipeline Type:</b>  <b>Pipeline Involved:</b>  <b>Pipe Material:</b>  <b>Regulator Location:</b>  <b>Regulator Type:</b>  <b>Liquid Prop Make:</b>  <b>Liquid Prop Model:</b>  <b>Liquid Prop Serial No:</b>  <b>Liquid Prop Notes:</b>  <b>Inventory Address:</b> 1079 Secord Avenue, Ottawa - Leak  <b>Invent Postal Code:</b>  <b>Notes:</b>  <b>Contact Natural Env:</b> Yes  <b>Aff Prop Use Water:</b> No  <b>Occurrence Narrative:</b> Leak of fuel oil from AGT.  <b>Operation Type Involved:</b> Private Dwelling </div> <div> <b>Reside App. Type:</b>  <b>Commer App. Type:</b>  <b>Indus App. Type:</b>  <b>Institut App. Type:</b>  <b>Depth Ground Cover:</b>  <b>Operation Pressure:</b>  <b>Equipment Type:</b>  <b>Equipment Model:</b>  <b>Serial No:</b>  <b>Cylinder Capacity:</b>  <b>Cylinder Cap Units:</b>  <b>Cylinder Mat Type:</b>  <b>Pump Flow Rate Cap:</b>  <b>Contam. Migrated:</b> Unknown  <b>Near Body of Water:</b> No  <b>Drainage System:</b> Unknown  <b>Sub Surface Contam:</b> unknown  <b>Tank Material Type:</b>  <b>Tank Storage Type:</b>  <b>Tank Location Type:</b> </div> </div>					
<a href="#">10</a>	1 of 1	W/169.7	69.5 / -8.90	979 HERON RD ON	WWIS
<div> <div> <b>Well ID:</b> 1535115  <b>Construction Date:</b>  <b>Use 1st:</b>  <b>Use 2nd:</b>  <b>Final Well Status:</b> Observation Wells  <b>Water Type:</b>  <b>Casing Material:</b>  <b>Audit No:</b> Z19302  <b>Tag:</b> A011970  <b>Constructn Method:</b>  <b>Elevation (m):</b>  <b>Elevatn Reliability:</b>  <b>Depth to Bedrock:</b>  <b>Well Depth:</b>  <b>Overburden/Bedrock:</b>  <b>Pump Rate:</b>  <b>Static Water Level:</b>  <b>Clear/Cloudy:</b> </div> <div> <b>Flowing (Y/N):</b>  <b>Flow Rate:</b>  <b>Data Entry Status:</b>  <b>Data Src:</b> 1  <b>Date Received:</b> 10/28/2004  <b>Selected Flag:</b> TRUE  <b>Abandonment Rec:</b>  <b>Contractor:</b> 1844  <b>Form Version:</b> 3  <b>Owner:</b>  <b>County:</b> OTTAWA-CARLETON  <b>Lot:</b>  <b>Concession:</b>  <b>Concession Name:</b>  <b>Easting NAD83:</b>  <b>Northing NAD83:</b>  <b>Zone:</b>  <b>UTM Reliability:</b> </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Municipality:		OTTAWA CITY			
Site Info:					
<b><u>Bore Hole Information</u></b>					
Bore Hole ID:	11172867			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	10/06/2004			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	na
Location Method Desc:	Not Applicable i.e. no UTM				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:	932969008				
Layer:	2				
Color:	2				
General Color:	GREY				
Material 1:	05				
Material 1 Desc:	CLAY				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	0.6000000238418579				
Formation End Depth:	10.0				
Formation End Depth UOM:	m				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:	932969007				
Layer:	1				
Color:	6				
General Color:	BROWN				
Material 1:	06				
Material 1 Desc:	SILT				
Material 2:	28				
Material 2 Desc:	SAND				
Material 3:					
Material 3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	0.6000000238418579				
Formation End Depth UOM:	m				
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
Plug ID:	933253283				
Layer:	1				
Plug From:	1.2000000476837158				



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Plug To:		1.5			
Plug Depth UOM:		m			
 <u>Method of Construction &amp; Well Use</u>					
Method Construction ID:		961535115			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		11181386			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930843184			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		1.5			
Casing Diameter:		5.0			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
 <u>Construction Record - Screen</u>					
Screen ID:		933409113			
Layer:		1			
Slot:		10			
Screen Top Depth:		1.5			
Screen End Depth:		10.0			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.0			
 <u>Hole Diameter</u>					
Hole ID:		11306038			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		10.0			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<hr/>					
<a href="#"><u>11</u></a>	1 of 1	SW/187.7	77.6 / -0.85	Eastview Fuels<UNOFFICIAL> Clover St and Gregg St Ottawa ON	SPL
Ref No:	6741-5VLSKM			Municipality No:	
Year:				Nature of Damage:	
Incident Dt:	1/27/2004			Discharger Report:	
Dt MOE Arvl on Scn:				Material Group:	Oil
MOE Reported Dt:	1/27/2004			Impact to Health:	
Dt Document Closed:				Agency Involved:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Site No:</b> <b>MOE Response:</b> <b>Site County/District:</b> <b>Site Geo Ref Meth:</b> <b>Site District Office:</b> Ottawa <b>Nearest Watercourse:</b> <b>Site Name:</b> FUEL SPILL<UNOFFICIAL> <b>Site Address:</b> <b>Site Region:</b> Eastern <b>Site Municipality:</b> Ottawa <b>Site Lot:</b> <b>Site Conc:</b> <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>Northing:</b> <b>Easting:</b> <b>Incident Cause:</b> <b>Incident Preceding Spill:</b> <b>Environment Impact:</b> Possible <b>Health Env Consequence:</b> <b>Nature of Impact:</b> <b>Contaminant Qty:</b> <b>Contaminant Qty 1:</b> <b>Contaminant Unit:</b> <b>Client Type:</b> <b>Source Type:</b> <b>Contaminant Code:</b> 13 <b>Contaminant Name:</b> FURNACE OIL <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Receiving Medium:</b> Land <b>Incident Reason:</b> <b>Incident Summary:</b> Spill: 50-100l Furnace oil@Clover and Gregg <b>Activity Preceding Spill:</b> <b>Property 2nd Watershed:</b> <b>Property Tertiary Watershed:</b> <b>Sector Type:</b> <b>SAC Action Class:</b> <b>Call Report Locatn Geodata:</b> <b>Time Reported:</b> <b>System Facility Address:</b> <b>Client Name:</b> Eastview Fuels<UNOFFICIAL>					

<a href="#">12</a>	1 of 1	N/188.2	74.9 / -3.49	ON	WWIS
<b>Well ID:</b> 1508752 <b>Construction Date:</b> <b>Use 1st:</b> <b>Use 2nd:</b> <b>Final Well Status:</b> Abandoned-Supply <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Constructn Method:</b> <b>Elevation (m):</b> <b>Elevatn Reliabilty:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b>					
<b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Data Entry Status:</b> <b>Data Src:</b> 1 <b>Date Received:</b> 03/13/1951 <b>Selected Flag:</b> TRUE <b>Abandonment Rec:</b> <b>Contractor:</b> 1802 <b>Form Version:</b> 1 <b>Owner:</b> <b>County:</b> OTTAWA-CARLETON <b>Lot:</b> <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Clear/Cloudy:		OTTAWA CITY		UTM Reliability:	
Municipality:					
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508752.pdf			
<b><u>Additional Detail(s) (Map)</u></b>					
Well Completed Date:		11/15/1950			
Year Completed:		1950			
Depth (m):		45.72			
Latitude:		45.3793271287691			
Longitude:		-75.6752706562453			
X:		-75.67527049395386			
Y:		45.37932712220584			
Path:		150\1508752.pdf			
<b><u>Bore Hole Information</u></b>					
Bore Hole ID:		10030786		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	
Date Completed:		11/15/1950		UTMRC Desc:	
Remarks:				Location Method:	
Location Method Desc:		Original Pre1985 UTM Rel Code 9: unknown UTM			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:		931010503			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		40.0			
Formation End Depth UOM:		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:		931010504			
Layer:		2			
Color:					
General Color:					
Material 1:		17			
Material 1 Desc:		SHALE			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Material 2:		15			
Material 2 Desc:		LIMESTONE			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		40.0			
Formation End Depth:		150.0			
Formation End Depth UOM:		ft			
 <u>Method of Construction &amp; Well Use</u>					
Method Construction ID:		961508752			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10579356			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930054206			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		40.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Casing</u>					
Casing ID:		930054207			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		150.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<hr/>					
<a href="#">13</a>	1 of 1	N/188.4	74.9 / -3.49	ON	BORE
Borehole ID:	612841			Inclin FLG:	No
OGF ID:	215514147			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	NOV-1950			Municipality:	
Static Water Level:	10.7			Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.379329
Total Depth m:	45.7			Longitude DD:	-75.675271
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	447131

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Drill Method:</b>				<b>Northing:</b>	5025312
<b>Orig Ground Elev m:</b>	77.7			<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>				<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	76.8				
<b>Concession:</b>					
<b>Location D:</b>					
<b>Survey D:</b>					
<b>Comments:</b>					
<b><u>Borehole Geology Stratum</u></b>					
<b>Geology Stratum ID:</b>	218392681			<b>Mat Consistency:</b>	Compact
<b>Top Depth:</b>	12.2			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	45.7			<b>Material Texture:</b>	
<b>Material Color:</b>	Red			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Shale			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Limestone			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	SHALE. RED. CLAY. SOFT. TILL. COMPACT. BEDROCK. ERED, WATER STABLE AT 220.0 FEET.TIL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
<b>Geology Stratum ID:</b>	218392680			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	12.2			<b>Material Texture:</b>	
<b>Material Color:</b>	Brown			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Clay			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>	CLAY. BROWN.				
<b><u>Source</u></b>					
<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada			<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972			<b>Scale or Res:</b>	Varies
<b>Confidence:</b>				<b>Horizontal:</b>	NAD27
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Details:</b>	File: OTTAWA2.txt RecordID: 05349 NTS_Sheet:				
<b>Confiden 1:</b>					
<b><u>Source List</u></b>					
<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies				
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Originators:</b>	Geological Survey of Canada				
<b>14</b>	<b>1 of 1</b>	<b>ENE/190.9</b>	<b>79.8 / 1.42</b>	<b>ON</b>	<b>BORE</b>
<b>Borehole ID:</b>	612823			<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215514129			<b>SP Status:</b>	Initial Entry
<b>Status:</b>				<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole			<b>Piezometer:</b>	No
<b>Use:</b>				<b>Primary Name:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<div> <div> <b>Completion Date:</b>  <b>Static Water Level:</b> 1.5  <b>Primary Water Use:</b>  <b>Sec. Water Use:</b>  <b>Total Depth m:</b> -999  <b>Depth Ref:</b> Ground Surface  <b>Depth Elev:</b>  <b>Drill Method:</b>  <b>Orig Ground Elev m:</b> 83.8  <b>Elev Reliabil Note:</b>  <b>DEM Ground Elev m:</b> 84.3  <b>Concession:</b>  <b>Location D:</b>  <b>Survey D:</b>  <b>Comments:</b> </div> <div> <b>Municipality:</b>  <b>Lot:</b>  <b>Township:</b>  <b>Latitude DD:</b> 45.378172  <b>Longitude DD:</b> -75.672958  <b>UTM Zone:</b> 18  <b>Easting:</b> 447311  <b>Northing:</b> 5025182  <b>Location Accuracy:</b>  <b>Accuracy:</b> Not Applicable </div> </div>					
<b><u>Borehole Geology Stratum</u></b>					
<div> <div> <b>Geology Stratum ID:</b> 218392635  <b>Top Depth:</b> 0  <b>Bottom Depth:</b> 9.4  <b>Material Color:</b>  <b>Material 1:</b> Clay  <b>Material 2:</b>  <b>Material 3:</b>  <b>Material 4:</b>  <b>Gsc Material Description:</b>  <b>Stratum Description:</b> CLAY. </div> <div> <b>Mat Consistency:</b>  <b>Material Moisture:</b>  <b>Material Texture:</b>  <b>Non Geo Mat Type:</b>  <b>Geologic Formation:</b>  <b>Geologic Group:</b>  <b>Geologic Period:</b>  <b>Depositional Gen:</b> </div> </div>					
<div> <div> <b>Geology Stratum ID:</b> 218392636  <b>Top Depth:</b> 9.4  <b>Bottom Depth:</b>  <b>Material Color:</b>  <b>Material 1:</b> Bedrock  <b>Material 2:</b> Shale  <b>Material 3:</b>  <b>Material 4:</b>  <b>Gsc Material Description:</b>  <b>Stratum Description:</b> BEDROCK. WATER STABLE AT 270.0 FEET.GRAVEL. SAND. FIRM, WATER STABLE AT 215.3 FEET.SAND. </div> <div> <b>Mat Consistency:</b> Firm  <b>Material Moisture:</b>  <b>Material Texture:</b>  <b>Non Geo Mat Type:</b>  <b>Geologic Formation:</b>  <b>Geologic Group:</b>  <b>Geologic Period:</b>  <b>Depositional Gen:</b> </div> </div>					
<b><u>Source</u></b>					
<div> <div> <b>Source Type:</b> Data Survey  <b>Source Orig:</b> Geological Survey of Canada  <b>Source Date:</b> 1956-1972  <b>Confidence:</b> H  <b>Observatio:</b>  <b>Source Name:</b> Urban Geology Automated Information System (UGAIS)  <b>Source Details:</b> File: OTTAWA2.txt RecordID: 053310 NTS_Sheet: 31G05G  <b>Confiden 1:</b> Logged by professional. Exact and complete description of material and properties. </div> <div> <b>Source Appl:</b> Spatial/Tabular  <b>Source Iden:</b> 1  <b>Scale or Res:</b> Varies  <b>Horizontal:</b> NAD27  <b>Verticalda:</b> Mean Average Sea Level </div> </div>					
<b><u>Source List</u></b>					
<div> <div> <b>Source Identifier:</b> 1  <b>Source Type:</b> Data Survey  <b>Source Date:</b> 1956-1972  <b>Scale or Resolution:</b> Varies  <b>Source Name:</b> Urban Geology Automated Information System (UGAIS)  <b>Source Originators:</b> Geological Survey of Canada </div> <div> <b>Horizontal Datum:</b> NAD27  <b>Vertical Datum:</b> Mean Average Sea Level  <b>Projection Name:</b> Universal Transverse Mercator </div> </div>					
<a href="#">15</a>	1 of 1	NNE/196.9	75.9 / -2.54	1076 RICHARD AVENUE OTTAWA ON	HINC

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>External File Num:</b> FS INC 0810-05970 <b>Fuel Occurrence Type:</b> Leak <b>Date of Occurrence:</b> 10/7/2008 <b>Fuel Type Involved:</b> Fuel Oil <b>Status Desc:</b> Completed - No Action Required <b>Job Type Desc:</b> Incident/Near-Miss Occurrence (FS) <b>Oper. Type Involved:</b> Private Dwelling <b>Service Interruptions:</b> No <b>Property Damage:</b> No <b>Fuel Life Cycle Stage:</b> Utilization <b>Root Cause:</b> <b>Reported Details:</b> <b>Fuel Category:</b> Liquid Fuel <b>Occurrence Type:</b> Incident <b>Affiliation:</b> Safety Authorities (MOL, ESA, Insurers, etc.) <b>County Name:</b> Ottawa <b>Approx. Quant. Rel:</b> <b>Nearby body of water:</b> <b>Enter Drainage Syst.:</b> <b>Approx. Quant. Unit:</b> <b>Environmental Impact:</b>					
<a href="#">16</a>	1 of 1	NW/197.4	71.9 / -6.51	Thurber Engineering Ltd. 1561 Clover Street Ottawa ON K1H 8H6	GEN
<b>Generator No:</b> ON6789737 <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> As of Nov 2021 <b>PO Box No:</b> <b>Country:</b> Canada <b>Status:</b> Registered <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b> 146 T <b>Waste Class Name:</b> Other specified inorganic sludges, slurries or solids					
<a href="#">17</a>	1 of 1	W/203.9	64.9 / -13.54	21471798 - Heron Rd Culvert Ottawa ON K1V 8G8	EHS
<b>Order No:</b> 21072700588 <b>Status:</b> C <b>Report Type:</b> Standard Report <b>Report Date:</b> 30-JUL-21 <b>Date Received:</b> 27-JUL-21 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>					
<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> .25 <b>X:</b> -75.6778649 <b>Y:</b> 45.3778073					
<a href="#">18</a>	1 of 1	W/204.9	64.9 / -13.54	OC Transpo - City of Ottawa 957 Heron Road Ottawa ON	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Generator No:</b> <b>SIC Code:</b> <b>SIC Description:</b> <b>Approval Years:</b> <b>PO Box No:</b> <b>Country:</b> <b>Status:</b> <b>Co Admin:</b> <b>Choice of Contact:</b> <b>Phone No Admin:</b> <b>Contaminated Facility:</b> <b>MHSW Facility:</b>		ON2936180 485110 Urban Transit Systems 2012			
<a href="#">19</a>	1 of 1	W/210.5	64.9 / -13.54	SNC-Lavalin Inc. 947 Heron Road Ottawa ON	SPL
<b>Ref No:</b> <b>Year:</b> <b>Incident Dt:</b> <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> <b>Dt Document Closed:</b> <b>Site No:</b> <b>MOE Response:</b> <b>Site County/District:</b> <b>Site Geo Ref Meth:</b> <b>Site District Office:</b> <b>Nearest Watercourse:</b> <b>Site Name:</b> <b>Site Address:</b> <b>Site Region:</b> <b>Site Municipality:</b> <b>Site Lot:</b> <b>Site Conc:</b> <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>Northings:</b> <b>Easting:</b> <b>Incident Cause:</b> <b>Incident Preceding Spill:</b> <b>Environment Impact:</b> <b>Health Env Consequence:</b> <b>Nature of Impact:</b> <b>Contaminant Qty:</b> <b>Contaminant Qty 1:</b> <b>Contaminant Unit:</b> <b>Client Type:</b> <b>Source Type:</b> <b>Contaminant Code:</b> <b>Contaminant Name:</b> <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Receiving Medium:</b> <b>Incident Reason:</b> <b>Incident Summary:</b> <b>Activity Preceding Spill:</b> <b>Property 2nd Watershed:</b> <b>Property Tertiary Watershed:</b> <b>Sector Type:</b> <b>SAC Action Class:</b> <b>Call Report Locatn Geodata:</b> <b>Time Reported:</b> <b>System Facility Address:</b>		5838-BU7SGF 10/8/2020 10/8/2020 2/8/2021 NA No Ottawa Ottawa construction site<UNOFFICIAL> 947 Heron Road Eastern Ottawa 5025157.18 446921.06 Leak/Break none none 3 L 3 L Corporation Valve/Fitting/Piping 15 HYDRAULIC OIL 0 none n/a Land Equipment Failure SNC Lavalin ~ 3L hyd oil to ground, cntnd & clnd none none Miscellaneous Industrial Land Spills		Municipality No: Nature of Damage: Discharger Report: Material Group: Impact to Health: Agency Involved: 2 - Minor Environment	



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Client Name:		SNC-Lavalin Inc.			
<a href="#">20</a>	1 of 1	W/214.6	64.9 / -13.54	979 HERON OTTAWA ON	WWIS
Well ID:		7190441		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Monitoring and Test Hole		Data Entry Status:	
Use 2nd:		0		Data Src:	
Final Well Status:		Abandoned-Other		Date Received:	10/29/2012
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:		Z148864		Contractor:	7323
Tag:				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/719\7190441.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		10/18/2010			
Year Completed:		2010			
Depth (m):					
Latitude:		45.3780150114218			
Longitude:		-75.6779589048931			
X:		-75.67795874298412			
Y:		45.378015003973594			
Path:		719\7190441.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1004189556		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	446919.00
Code OB Desc:				North83:	5025168.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	5
Date Completed:		10/18/2010		UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	digit
Location Method Desc:					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug ID:</b>		1004526130			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		34.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1004526129			
<b>Method Construction Code:</b>		6			
<b>Method Construction:</b>		Boring			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1004526121			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1004526125			
<b>Layer:</b>					
<b>Material:</b>					
<b>Open Hole or Material:</b>					
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1004526126			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>					
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1004526124			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		ft			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1004526123			
<b>Diameter:</b>		6.0			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		34.0			
<b>Hole Depth UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Hole Diameter UOM:		inch			
<a href="#">21</a>	1 of 1	NW/217.2	70.2 / -8.24	999 CLOVER ST Ottawa ON	WWIS
Well ID:		7263713		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:	05/27/2016
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:		Z222210		Contractor:	7241
Tag:		A164347		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:		GLOUCESTER TOWNSHIP			
Site Info:					
PDF URL (Map):		<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/726\7263713.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/726\7263713.pdf</a>			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		05/02/2016			
Year Completed:		2016			
Depth (m):		3.96			
Latitude:		45.379027559739			
Longitude:		-75.6772174346219			
X:		-75.67721727281032			
Y:		45.37902755299547			
Path:		726\7263713.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1006020667		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	446978.00
Code OB Desc:				North83:	5025280.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:		05/02/2016		UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006127957			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		02			
Material 1 Desc:		TOPSOIL			
Material 2:					
Material 2 Desc:					
Material 3:		85			
Material 3 Desc:		SOFT			
Formation Top Depth:		0.0			
Formation End Depth:		0.3100000023841858			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		1006127958			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		06			
Material 2 Desc:		SILT			
Material 3:		85			
Material 3 Desc:		SOFT			
Formation Top Depth:		0.3100000023841858			
Formation End Depth:		2.130000114440918			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		1006127960			
Layer:		4			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					
Material 2 Desc:					
Material 3:		85			
Material 3 Desc:		SOFT			
Formation Top Depth:		3.0999999046325684			
Formation End Depth:		3.9600000381469727			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		1006127959			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		81			
Material 2 Desc:		SANDY			
Material 3:		06			
Material 3 Desc:		SILT			
Formation Top Depth:		2.130000114440918			
Formation End Depth:		3.0999999046325684			
Formation End Depth UOM:		m			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1006127968			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		0.3100000023841858			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1006127967			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1006127956			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1006127963			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		0.9100000262260437			
<b>Casing Diameter:</b>		4.03000020980835			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1006127964			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		0.9100000262260437			
<b>Screen End Depth:</b>		3.9600000381469727			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		4.820000171661377			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1006127962			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Hole ID:</b> 1006127961 <b>Diameter:</b> 8.25 <b>Depth From:</b> 0.0 <b>Depth To:</b> 3.9600000381469727 <b>Hole Depth UOM:</b> m <b>Hole Diameter UOM:</b> cm					
<a href="#">22</a>	1 of 1	NW/218.0	70.2 / -8.24	999 CLOVER ST Ottawa ON	WWIS
<b>Well ID:</b> 7263714 <b>Construction Date:</b> <b>Use 1st:</b> Monitoring and Test Hole <b>Use 2nd:</b> 0 <b>Final Well Status:</b> Monitoring and Test Hole <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> Z222209 <b>Tag:</b> A164348 <b>Constructn Method:</b> <b>Elevation (m):</b> <b>Elevatn Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Clear/Cloudy:</b> <b>Municipality:</b> GLOUCESTER TOWNSHIP <b>Site Info:</b> <b>PDF URL (Map):</b> <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/726\7263714.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/726\7263714.pdf</a> <b>Additional Detail(s) (Map)</b> <b>Well Completed Date:</b> 05/02/2016 <b>Year Completed:</b> 2016 <b>Depth (m):</b> 3.96 <b>Latitude:</b> 45.3790547132789 <b>Longitude:</b> -75.6771922139826 <b>X:</b> -75.67719205261479 <b>Y:</b> 45.379054706324425 <b>Path:</b> 726\7263714.pdf <b>Bore Hole Information</b> <b>Bore Hole ID:</b> 1006020670 <b>DP2BR:</b> <b>Spatial Status:</b> <b>Code OB:</b> <b>Code OB Desc:</b> <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> 05/02/2016 <b>Remarks:</b> <b>Location Method Desc:</b> on Water Well Record <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>					
<b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Data Entry Status:</b> <b>Data Src:</b> <b>Date Received:</b> 05/27/2016 <b>Selected Flag:</b> TRUE <b>Abandonment Rec:</b> <b>Contractor:</b> 7241 <b>Form Version:</b> 7 <b>Owner:</b> <b>County:</b> OTTAWA-CARLETON <b>Lot:</b> <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>					
<b>Elevation:</b> <b>Elevrc:</b> <b>Zone:</b> 18 <b>East83:</b> 446980.00 <b>North83:</b> 5025283.00 <b>Org CS:</b> UTM83 <b>UTMRC:</b> 4 <b>UTMRC Desc:</b> margin of error : 30 m - 100 m <b>Location Method:</b> wwr					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Overburden and Bedrock Materials Interval</u></b>					
Formation ID:		1006128100			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		81			
Material 2 Desc:		SANDY			
Material 3:		85			
Material 3 Desc:		SOFT			
Formation Top Depth:		2.130000114440918			
Formation End Depth:		3.0999999046325684			
Formation End Depth UOM:		m			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
Formation ID:		1006128098			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		02			
Material 1 Desc:		TOPSOIL			
Material 2:					
Material 2 Desc:					
Material 3:		85			
Material 3 Desc:		SOFT			
Formation Top Depth:		0.0			
Formation End Depth:		0.3100000023841858			
Formation End Depth UOM:		m			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
Formation ID:		1006128101			
Layer:		4			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					
Material 2 Desc:					
Material 3:		85			
Material 3 Desc:		SOFT			
Formation Top Depth:		3.0999999046325684			
Formation End Depth:		3.9600000381469727			
Formation End Depth UOM:		m			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
Formation ID:		1006128099			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		06			
Material 1 Desc:		SILT			
Material 2:		05			
Material 2 Desc:		CLAY			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Material 3:</b>		85			
<b>Material 3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		0.3100000023841858			
<b>Formation End Depth:</b>		2.130000114440918			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1006128109			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		0.3100000023841858			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1006128111			
<b>Layer:</b>		3			
<b>Plug From:</b>		0.9100000262260437			
<b>Plug To:</b>		3.9600000381469727			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1006128110			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.3100000023841858			
<b>Plug To:</b>		0.9100000262260437			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1006128108			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1006128097			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1006128104			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		0.9100000262260437			
<b>Casing Diameter:</b>		4.03000020980835			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Screen</u>					
Screen ID:		1006128105			
Layer:		1			
Slot:		10			
Screen Top Depth:		0.9100000262260437			
Screen End Depth:		3.9600000381469727			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.820000171661377			
<u>Water Details</u>					
Water ID:		1006128103			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1006128102			
Diameter:		8.25			
Depth From:		0.0			
Depth To:		3.9600000381469727			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<a href="#">23</a>	1 of 1	NW/219.5	70.2 / -8.24	999 HERON ROAD Ottawa ON	WWIS
Well ID:	7245125			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:	07/21/2015
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z208968			Contractor:	7241
Tag:	A177222			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:	GLOUCESTER TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7245125.pdf				
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	06/24/2015				
Year Completed:	2015				
Depth (m):	2.7432				
Latitude:	45.3791363252908				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Longitude:		-75.6770910088937			
X:		-75.67709084754317			
Y:		45.379136318299885			
Path:		724\7245125.pdf			
<b><u>Bore Hole Information</u></b>					
Bore Hole ID:	1005499683			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	446988.00
Code OB Desc:				North83:	5025292.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	06/24/2015			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:	1005562790				
Layer:	1				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:	11				
Material 2 Desc:	GRAVEL				
Material 3:	06				
Material 3 Desc:	SILT				
Formation Top Depth:	0.0				
Formation End Depth:	3.0				
Formation End Depth UOM:	ft				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:	1005562791				
Layer:	2				
Color:	6				
General Color:	BROWN				
Material 1:	05				
Material 1 Desc:	CLAY				
Material 2:	06				
Material 2 Desc:	SILT				
Material 3:	85				
Material 3 Desc:	SOFT				
Formation Top Depth:	3.0				
Formation End Depth:	6.0				
Formation End Depth UOM:	ft				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:	1005562792				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>	3				
<b>Color:</b>	2				
<b>General Color:</b>	GREY				
<b>Material 1:</b>	05				
<b>Material 1 Desc:</b>	CLAY				
<b>Material 2:</b>	06				
<b>Material 2 Desc:</b>	SILT				
<b>Material 3:</b>	85				
<b>Material 3 Desc:</b>	SOFT				
<b>Formation Top Depth:</b>	6.0				
<b>Formation End Depth:</b>	9.0				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1005562801				
<b>Layer:</b>	2				
<b>Plug From:</b>	1.0				
<b>Plug To:</b>	3.0				
<b>Plug Depth UOM:</b>	ft				
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1005562800				
<b>Layer:</b>	1				
<b>Plug From:</b>	0.0				
<b>Plug To:</b>	1.0				
<b>Plug Depth UOM:</b>	ft				
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1005562802				
<b>Layer:</b>	3				
<b>Plug From:</b>	3.0				
<b>Plug To:</b>	9.0				
<b>Plug Depth UOM:</b>	ft				
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>	1005562799				
<b>Method Construction Code:</b>	D				
<b>Method Construction:</b>	Direct Push				
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	1005562789				
<b>Casing No:</b>	0				
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	1005562795				
<b>Layer:</b>	1				
<b>Material:</b>	5				
<b>Open Hole or Material:</b>	PLASTIC				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth From:		0.0			
Depth To:		4.0			
Casing Diameter:		1.3600000143051147			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Construction Record - Screen</u></b>					
Screen ID:		1005562796			
Layer:		1			
Slot:		10			
Screen Top Depth:		4.0			
Screen End Depth:		9.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		1.659999966621399			
<b><u>Water Details</u></b>					
Water ID:		1005562794			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			
<b><u>Hole Diameter</u></b>					
Hole ID:		1005562793			
Diameter:		2.375			
Depth From:		0.0			
Depth To:		9.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<hr/>					
<b><u>24</u></b>	<b>1 of 1</b>	<b>ENE/220.6</b>	<b>78.9 / 0.43</b>	<b>ON</b>	<b>BORE</b>
Borehole ID:	612832			Inclin FLG:	No
OGF ID:	215514138			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:				Municipality:	
Static Water Level:	14.3			Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.378892
Total Depth m:	-999			Longitude DD:	-75.673094
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	447301
Drill Method:				Northing:	5025262
Orig Ground Elev m:	81.4			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	82				
Concession:					
Location D:					
Survey D:					
Comments:					
<b><u>Borehole Geology Stratum</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Geology Stratum ID:	218392660			Mat Consistency:	Soft
Top Depth:	0			Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color:	Blue			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		CLAY. BLUE. LIMESTONE. GREY. 00175. CLAY. GREY,SOFT. CLAY. LAYERED, WATER STABLE AT **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: 053400 NTS_Sheet: 31G05G		
Confiden 1:	Logs are approximately correct. Lack of information. Doubtful terminology.		

#### 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		

<u>25</u>	1 of 1	NW/222.2	69.9 / -8.54	999 HURON ROAD Ottawa ON	WWIS
Well ID:	7245124			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:	07/21/2015
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z208967			Contractor:	7241
Tag:	A177223			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:	GLOUCESTER TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7245124.pdf				

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

Well Completed Date:	06/24/2015
Year Completed:	2015

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth (m):		4.2672			
Latitude:		45.3792178615127			
Longitude:		-75.6770025750459			
X:		-75.67700241291746			
Y:		45.37921785507068			
Path:		724\7245124.pdf			

#### Bore Hole Information

Bore Hole ID:	1005499680	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	446995.00
Code OB Desc:		North83:	5025301.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	06/24/2015	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location 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:	1005562778
Layer:	3
Color:	2
General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	06
Material 2 Desc:	SILT
Material 3:	85
Material 3 Desc:	SOFT
Formation Top Depth:	6.0
Formation End Depth:	14.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock

##### Materials Interval

Formation ID:	1005562776
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	11
Material 2 Desc:	GRAVEL
Material 3:	06
Material 3 Desc:	SILT
Formation Top Depth:	0.0
Formation End Depth:	3.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock

##### Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Formation ID:		1005562777			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		06			
Material 2 Desc:		SILT			
Material 3:		28			
Material 3 Desc:		SAND			
Formation Top Depth:		3.0			
Formation End Depth:		6.0			
Formation End Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005562786			
Layer:		1			
Plug From:		0.0			
Plug To:		1.0			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005562788			
Layer:		3			
Plug From:		3.0			
Plug To:		14.0			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005562787			
Layer:		2			
Plug From:		1.0			
Plug To:		3.0			
Plug Depth UOM:		ft			
 <u>Method of Construction &amp; Well Use</u>					
Method Construction ID:		1005562785			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		1005562775			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1005562781			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Material:</b>					
		5			
<b>Open Hole or Material:</b>					
		PLASTIC			
<b>Depth From:</b>					
		0.0			
<b>Depth To:</b>					
		4.0			
<b>Casing Diameter:</b>					
		1.3600000143051147			
<b>Casing Diameter UOM:</b>					
		inch			
<b>Casing Depth UOM:</b>					
		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>					
		1005562782			
<b>Layer:</b>					
		1			
<b>Slot:</b>					
		10			
<b>Screen Top Depth:</b>					
		4.0			
<b>Screen End Depth:</b>					
		14.0			
<b>Screen Material:</b>					
		5			
<b>Screen Depth UOM:</b>					
		ft			
<b>Screen Diameter UOM:</b>					
		inch			
<b>Screen Diameter:</b>					
		1.659999966621399			
<b><u>Water Details</u></b>					
<b>Water ID:</b>					
		1005562780			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>					
		ft			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>					
		1005562779			
<b>Diameter:</b>					
		2.375			
<b>Depth From:</b>					
		0.0			
<b>Depth To:</b>					
		14.0			
<b>Hole Depth UOM:</b>					
		ft			
<b>Hole Diameter UOM:</b>					
		inch			

<a href="#">26</a>	1 of 1	NW/226.2	69.9 / -8.54	999 HERON ROAD Ottawa ON	WWIS
<b>Well ID:</b>					
		7245127			
<b>Construction Date:</b>					
<b>Use 1st:</b>					
		Monitoring and Test Hole			
<b>Use 2nd:</b>					
		0			
<b>Final Well Status:</b>					
		Monitoring and Test Hole			
<b>Water Type:</b>					
<b>Casing Material:</b>					
<b>Audit No:</b>					
		Z208923			
<b>Tag:</b>					
		A177220			
<b>Constructn Method:</b>					
<b>Elevation (m):</b>					
<b>Elevatn Reliabilty:</b>					
<b>Depth to Bedrock:</b>					
<b>Well Depth:</b>					
<b>Overburden/Bedrock:</b>					
<b>Pump Rate:</b>					
<b>Static Water Level:</b>					
<b>Clear/Cloudy:</b>					
<b>Municipality:</b>					
		GLOUCESTER TOWNSHIP			
<b>Site Info:</b>					
<b>Flowing (Y/N):</b>					
<b>Flow Rate:</b>					
<b>Data Entry Status:</b>					
<b>Data Src:</b>					
<b>Date Received:</b>					
				07/21/2015	
<b>Selected Flag:</b>					
				TRUE	
<b>Abandonment Rec:</b>					
<b>Contractor:</b>					
				7241	
<b>Form Version:</b>					
				7	
<b>Owner:</b>					
<b>County:</b>					
				OTTAWA-CARLETON	
<b>Lot:</b>					
<b>Concession:</b>					
<b>Concession Name:</b>					
<b>Easting NAD83:</b>					
<b>Northing NAD83:</b>					
<b>Zone:</b>					
<b>UTM Reliability:</b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7245127.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	06/27/2015				
Year Completed:	2015				
Depth (m):	6.096				
Latitude:	45.3792355600898				
Longitude:	-75.6770538760231				
X:	-75.67705371388818				
Y:	45.3792355529814				
Path:	724\7245127.pdf				
<u>Bore Hole Information</u>					
Bore Hole ID:	1005499689	Elevation:			
DP2BR:		Elevrc:			
Spatial Status:		Zone:		18	
Code OB:		East83:		446991.00	
Code OB Desc:		North83:		5025303.00	
Open Hole:		Org CS:		UTM83	
Cluster Kind:		UTMRC:		4	
Date Completed:	06/27/2015	UTMRC Desc:		margin of error : 30 m - 100 m	
Remarks:		Location Method:		wwr	
Location Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1005562818				
Layer:	1				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:	11				
Material 2 Desc:	GRAVEL				
Material 3:	73				
Material 3 Desc:	HARD				
Formation Top Depth:	0.0				
Formation End Depth:	2.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1005562820				
Layer:	3				
Color:	2				
General Color:	GREY				
Material 1:	05				
Material 1 Desc:	CLAY				
Material 2:	06				
Material 2 Desc:	SILT				
Material 3:	85				
Material 3 Desc:	SOFT				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation Top Depth:</b>		10.0			
<b>Formation End Depth:</b>		20.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1005562819			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Material 1:</b>		28			
<b>Material 1 Desc:</b>		SAND			
<b>Material 2:</b>		85			
<b>Material 2 Desc:</b>		SOFT			
<b>Material 3:</b>		91			
<b>Material 3 Desc:</b>		WATER-BEARING			
<b>Formation Top Depth:</b>		2.0			
<b>Formation End Depth:</b>		10.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1005562829			
<b>Layer:</b>		2			
<b>Plug From:</b>		1.0			
<b>Plug To:</b>		14.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1005562828			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		1.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1005562830			
<b>Layer:</b>		3			
<b>Plug From:</b>		14.0			
<b>Plug To:</b>		20.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1005562827			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1005562817			
<b>Casing No:</b>		0			
<b>Comment:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
Casing ID:		1005562823			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		15.0			
Casing Diameter:		1.3600000143051147			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Construction Record - Screen</u></b>					
Screen ID:		1005562824			
Layer:		1			
Slot:		10			
Screen Top Depth:		15.0			
Screen End Depth:		20.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		1.659999966621399			
<b><u>Water Details</u></b>					
Water ID:		1005562822			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			
<b><u>Hole Diameter</u></b>					
Hole ID:		1005562821			
Diameter:		3.25			
Depth From:		0.0			
Depth To:		20.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<b><u>27</u></b>	<b>1 of 1</b>	<b>NW/227.1</b>	<b>69.9 / -8.54</b>	<b>999 HERON ROAD Ottawa ON</b>	<b>WWIS</b>
Well ID:	7245123			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:	07/21/2015
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z208966			Contractor:	7241
Tag:	A177224			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:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		GLOUCESTER TOWNSHIP			
Site Info:					
PDF URL (Map):				https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7245123.pdf	
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		06/24/2015			
Year Completed:		2015			
Depth (m):		4.8768			
Latitude:		45.3792172558548			
Longitude:		-75.6771047473005			
X:		-75.67710458546742			
Y:		45.379217249327866			
Path:		724\7245123.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1005499677		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	446987.00
Code OB Desc:				North83:	5025301.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:		06/24/2015		UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005562762			
Layer:		3			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		06			
Material 2 Desc:		SILT			
Material 3:		68			
Material 3 Desc:		DRY			
Formation Top Depth:		3.0			
Formation End Depth:		8.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005562760			
Layer:		1			
Color:		2			
General Color:		GREY			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Material 1:</b>					
<b>Material 1 Desc:</b>					
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>					
<b>Formation End Depth:</b>					
<b>Formation End Depth UOM:</b>					
<b>68</b>					
<b>DRY</b>					
<b>0.0</b>					
<b>2.0</b>					
<b>ft</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>					
<b>Layer:</b>					
<b>Color:</b>					
<b>General Color:</b>					
<b>Material 1:</b>					
<b>Material 1 Desc:</b>					
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>					
<b>Formation End Depth:</b>					
<b>Formation End Depth UOM:</b>					
<b>1005562763</b>					
<b>4</b>					
<b>2</b>					
<b>GREY</b>					
<b>05</b>					
<b>CLAY</b>					
<b>06</b>					
<b>SILT</b>					
<b>85</b>					
<b>SOFT</b>					
<b>8.0</b>					
<b>14.0</b>					
<b>ft</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>					
<b>Layer:</b>					
<b>Color:</b>					
<b>General Color:</b>					
<b>Material 1:</b>					
<b>Material 1 Desc:</b>					
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>					
<b>Formation End Depth:</b>					
<b>Formation End Depth UOM:</b>					
<b>1005562764</b>					
<b>5</b>					
<b>2</b>					
<b>GREY</b>					
<b>05</b>					
<b>CLAY</b>					
<b>06</b>					
<b>SILT</b>					
<b>85</b>					
<b>SOFT</b>					
<b>14.0</b>					
<b>16.0</b>					
<b>ft</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>					
<b>Layer:</b>					
<b>Color:</b>					
<b>General Color:</b>					
<b>Material 1:</b>					
<b>Material 1 Desc:</b>					
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>					
<b>Formation End Depth:</b>					
<b>Formation End Depth UOM:</b>					
<b>1005562761</b>					
<b>2</b>					
<b>2</b>					
<b>GREY</b>					
<b>11</b>					
<b>GRAVEL</b>					
<b>28</b>					
<b>SAND</b>					
<b>68</b>					
<b>DRY</b>					
<b>2.0</b>					
<b>3.0</b>					
<b>ft</b>					
<b><u>Annular Space/Abandonment</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1005562772			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		1.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1005562773			
<b>Layer:</b>		2			
<b>Plug From:</b>		1.0			
<b>Plug To:</b>		5.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1005562774			
<b>Layer:</b>		3			
<b>Plug From:</b>		5.0			
<b>Plug To:</b>		16.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1005562771			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1005562759			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1005562767			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		6.0			
<b>Casing Diameter:</b>		1.3600000143051147			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1005562768			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		6.0			
<b>Screen End Depth:</b>		16.0			
<b>Screen Material:</b>		5			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		1.659999966621399			
<u>Water Details</u>					
Water ID:		1005562766			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1005562765			
Diameter:		2.375			
Depth From:		0.0			
Depth To:		16.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<a href="#">28</a>	1 of 1	NW/229.7	69.6 / -8.82	999 HERON ROAD Ottawa ON	WWIS
Well ID:		7245126		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:	
Water Type:				07/21/2015	
Casing Material:				Selected Flag:	
Audit No:		Z208922		TRUE	
Tag:		A177221		Abandonment Rec:	
Constructn Method:				Contractor:	
Elevation (m):				7241	
Elevatn Reliabilty:				Form Version:	
Depth to Bedrock:				7	
Well Depth:				Owner:	
Overburden/Bedrock:				County:	
Pump Rate:				OTTAWA-CARLETON	
Static Water Level:				Lot:	
Clear/Cloudy:				Concession:	
Municipality:		GLOUCESTER TOWNSHIP		Concession Name:	
Site Info:				Easting NAD83:	
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7245126.pdf			
Additional Detail(s) (Map)					
Well Completed Date:		06/24/2015			
Year Completed:		2015			
Depth (m):		4.2672			
Latitude:		45.3791714951685			
Longitude:		-75.6772319253493			
X:		-75.67723176351717			
Y:		45.37917148827506			
Path:		724\7245126.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1005499686		Elevation:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>				<b>East83:</b>	446977.00
<b>Code OB Desc:</b>				<b>North83:</b>	5025296.00
<b>Open Hole:</b>				<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	06/24/2015			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	wwr
<b>Location Method Desc:</b>		on Water Well Record			
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<u><b>Overburden and Bedrock</b></u>					
<u><b>Materials Interval</b></u>					
<b>Formation ID:</b>		1005562806			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Material 1:</b>		05			
<b>Material 1 Desc:</b>		CLAY			
<b>Material 2:</b>		06			
<b>Material 2 Desc:</b>		SILT			
<b>Material 3:</b>		85			
<b>Material 3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		6.0			
<b>Formation End Depth:</b>		14.0			
<b>Formation End Depth UOM:</b>		ft			
<u><b>Overburden and Bedrock</b></u>					
<u><b>Materials Interval</b></u>					
<b>Formation ID:</b>		1005562804			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Material 1:</b>		28			
<b>Material 1 Desc:</b>		SAND			
<b>Material 2:</b>		06			
<b>Material 2 Desc:</b>		SILT			
<b>Material 3:</b>		11			
<b>Material 3 Desc:</b>		GRAVEL			
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		3.0			
<b>Formation End Depth UOM:</b>		ft			
<u><b>Overburden and Bedrock</b></u>					
<u><b>Materials Interval</b></u>					
<b>Formation ID:</b>		1005562805			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Material 1:</b>		05			
<b>Material 1 Desc:</b>		CLAY			
<b>Material 2:</b>		06			
<b>Material 2 Desc:</b>		SILT			
<b>Material 3:</b>		85			
<b>Material 3 Desc:</b>		SOFT			



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation Top Depth:</b>		3.0			
<b>Formation End Depth:</b>		6.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1005562815			
<b>Layer:</b>		2			
<b>Plug From:</b>		1.0			
<b>Plug To:</b>		3.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1005562816			
<b>Layer:</b>		3			
<b>Plug From:</b>		3.0			
<b>Plug To:</b>		14.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1005562814			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		1.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1005562813			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1005562803			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1005562809			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		4.0			
<b>Casing Diameter:</b>		1.3600000143051147			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Screen ID:		1005562810			
Layer:		1			
Slot:		10			
Screen Top Depth:		4.0			
Screen End Depth:		14.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		1.659999966621399			
 <u>Water Details</u>					
Water ID:		1005562808			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			
 <u>Hole Diameter</u>					
Hole ID:		1005562807			
Diameter:		2.375			
Depth From:		0.0			
Depth To:		14.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<hr/>					
<u>29</u>	1 of 1	WSW/230.3	69.4 / -9.02	ON	BORE
Borehole ID:	612793			Inclin FLG:	No
OGF ID:	215514099			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	OCT-1950			Municipality:	
Static Water Level:	2.5			Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.376255
Total Depth m:	20.4			Longitude DD:	-75.677469
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	446956
Drill Method:				Northing:	5024972
Orig Ground Elev m:	71.6			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	70.5				
Concession:					
Location D:					
Survey D:					
Comments:					
 <u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218392516			Mat Consistency:	Firm
Top Depth:	18.6			Material Moisture:	
Bottom Depth:	20.4			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Gravel			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>		GRAVEL. 00048ROCK. SOFT. CLAY. BROWN,GREY,STIFF. AND. FIRM. BOULDERS. SILT. B **Note: Many records provided by the department have a truncated [Stratum Description] field.			
<b>Geology Stratum ID:</b>	218392515			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	18.6			<b>Material Texture:</b>	
<b>Material Color:</b>				<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Clay			<b>Geologic Formation:</b>	
<b>Material 2:</b>				<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>		CLAY.			
<b>Source</b>					
<b>Source Type:</b>	Data Survey			<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada			<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972			<b>Scale or Res:</b>	Varies
<b>Confidence:</b>				<b>Horizontal:</b>	NAD27
<b>Observatio:</b>				<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Details:</b>	File: OTTAWA2.txt RecordID: 05301 NTS_Sheet:				
<b>Confiden 1:</b>					
<b>Source List</b>					
<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies				
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Originators:</b>	Geological Survey of Canada				
<a href="#">30</a>	1 of 1	WSW/230.4	69.4 / -9.02	ON	WWIS
<b>Well ID:</b>	1508270			<b>Flowing (Y/N):</b>	
<b>Construction Date:</b>				<b>Flow Rate:</b>	
<b>Use 1st:</b>	Domestic			<b>Data Entry Status:</b>	
<b>Use 2nd:</b>	0			<b>Data Src:</b>	1
<b>Final Well Status:</b>	Water Supply			<b>Date Received:</b>	07/09/1951
<b>Water Type:</b>				<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>				<b>Abandonment Rec:</b>	
<b>Audit No:</b>				<b>Contractor:</b>	3725
<b>Tag:</b>				<b>Form Version:</b>	1
<b>Constructn Method:</b>				<b>Owner:</b>	
<b>Elevation (m):</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliabilty:</b>				<b>Lot:</b>	
<b>Depth to Bedrock:</b>				<b>Concession:</b>	
<b>Well Depth:</b>				<b>Concession Name:</b>	
<b>Overburden/Bedrock:</b>				<b>Easting NAD83:</b>	
<b>Pump Rate:</b>				<b>Northing NAD83:</b>	
<b>Static Water Level:</b>				<b>Zone:</b>	
<b>Clear/Cloudy:</b>				<b>UTM Reliability:</b>	
<b>Municipality:</b>	OTTAWA CITY				
<b>Site Info:</b>					
<b>PDF URL (Map):</b>		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508270.pdf			
<b>Additional Detail(s) (Map)</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
<b>Well Completed Date:</b>		10/03/1950			
<b>Year Completed:</b>		1950			
<b>Depth (m):</b>		20.4216			
<b>Latitude:</b>		45.3762536553996			
<b>Longitude:</b>		-75.6774691326995			
<b>X:</b>		-75.67746897102288			
<b>Y:</b>		45.37625364793735			
<b>Path:</b>		150\1508270.pdf			
 <b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	10030305			<b>Elevation:</b>	
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>				<b>East83:</b>	446955.70
<b>Code OB Desc:</b>				<b>North83:</b>	5024972.00
<b>Open Hole:</b>				<b>Org CS:</b>	
<b>Cluster Kind:</b>				<b>UTMRC:</b>	9
<b>Date Completed:</b>	10/03/1950			<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>				<b>Location Method:</b>	p9
<b>Location Method Desc:</b>		Original Pre1985 UTM Rel Code 9: unknown UTM			
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
 <b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	931009222				
<b>Layer:</b>	1				
<b>Color:</b>					
<b>General Color:</b>					
<b>Material 1:</b>	05				
<b>Material 1 Desc:</b>	CLAY				
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>	0.0				
<b>Formation End Depth:</b>	61.0				
<b>Formation End Depth UOM:</b>	ft				
 <b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	931009223				
<b>Layer:</b>	2				
<b>Color:</b>					
<b>General Color:</b>					
<b>Material 1:</b>	11				
<b>Material 1 Desc:</b>	GRAVEL				
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>	61.0				
<b>Formation End Depth:</b>	67.0				
<b>Formation End Depth UOM:</b>	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Method of Construction &amp; Well Use</u></b>					
Method Construction ID:	961508270				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
<b><u>Pipe Information</u></b>					
Pipe ID:	10578875				
Casing No:	1				
Comment:					
Alt Name:					
<b><u>Construction Record - Casing</u></b>					
Casing ID:	930053267				
Layer:	2				
Material:					
Open Hole or Material:					
Depth From:					
Depth To:	67.0				
Casing Diameter:	4.0				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<b><u>Construction Record - Casing</u></b>					
Casing ID:	930053266				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	61.0				
Casing Diameter:	4.0				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<b><u>Results of Well Yield Testing</u></b>					
Pumping Test Method Desc:	PUMP				
Pump Test ID:	991508270				
Pump Set At:					
Static Level:	2.0				
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	1				
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:	No				
<b><u>Water Details</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water ID:</b> 933462699 <b>Layer:</b> 1 <b>Kind Code:</b> 1 <b>Kind:</b> FRESH <b>Water Found Depth:</b> 48.0 <b>Water Found Depth UOM:</b> ft					
<a href="#">31</a>	1 of 1	NW/236.8	69.9 / -8.54	999 HERON ROAD Ottawa ON	WWIS
<b>Well ID:</b> 7245129 <b>Construction Date:</b> <b>Use 1st:</b> Monitoring and Test Hole <b>Use 2nd:</b> 0 <b>Final Well Status:</b> Monitoring and Test Hole <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> Z208925 <b>Tag:</b> A177218 <b>Constructn Method:</b> <b>Elevation (m):</b> <b>Elevatn Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Clear/Cloudy:</b> <b>Municipality:</b> GLOUCESTER TOWNSHIP <b>Site Info:</b> <b>PDF URL (Map):</b> <a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7245129.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7245129.pdf</a>					
<b>Additional Detail(s) (Map)</b>					
<b>Well Completed Date:</b> 06/23/2015 <b>Year Completed:</b> 2015 <b>Depth (m):</b> 3.9624 <b>Latitude:</b> 45.3792706542877 <b>Longitude:</b> -75.6772075642469 <b>X:</b> -75.67720740210467 <b>Y:</b> 45.37927064717712 <b>Path:</b> 724\7245129.pdf					
<b>Bore Hole Information</b>					
<b>Bore Hole ID:</b> 1005499695 <b>DP2BR:</b> <b>Spatial Status:</b> <b>Code OB:</b> <b>Code OB Desc:</b> <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> 06/23/2015 <b>Remarks:</b> <b>Location Method Desc:</b> on Water Well Record <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>					
<b>Elevation:</b> <b>Elevrc:</b> <b>Zone:</b> 18 <b>East83:</b> 446979.00 <b>North83:</b> 5025307.00 <b>Org CS:</b> UTM83 <b>UTMRC:</b> 4 <b>UTMRC Desc:</b> margin of error : 30 m - 100 m <b>Location Method:</b> wwr					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Overburden and Bedrock Materials Interval</u></b>					
Formation ID:		1005562846			
Layer:		1			
Color:		2			
General Color:		GREY			
Material 1:		11			
Material 1 Desc:		GRAVEL			
Material 2:					
Material 2 Desc:					
Material 3:		68			
Material 3 Desc:		DRY			
Formation Top Depth:		0.0			
Formation End Depth:		2.0			
Formation End Depth UOM:		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
Formation ID:		1005562847			
Layer:		2			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		06			
Material 2 Desc:		SILT			
Material 3:		85			
Material 3 Desc:		SOFT			
Formation Top Depth:		2.0			
Formation End Depth:		13.0			
Formation End Depth UOM:		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
Formation ID:		1005562848			
Layer:		3			
Color:					
General Color:					
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		06			
Material 2 Desc:		SILT			
Material 3:		91			
Material 3 Desc:		WATER-BEARING			
Formation Top Depth:		13.0			
Formation End Depth:					
Formation End Depth UOM:		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
Plug ID:		1005562856			
Layer:		1			
Plug From:		0.0			
Plug To:		1.0			
Plug Depth UOM:		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug ID:</b>		1005562858			
<b>Layer:</b>		3			
<b>Plug From:</b>		9.0			
<b>Plug To:</b>		20.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1005562857			
<b>Layer:</b>		2			
<b>Plug From:</b>		1.0			
<b>Plug To:</b>		9.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1005562855			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1005562845			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1005562851			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		10.0			
<b>Casing Diameter:</b>		1.3600000143051147			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1005562852			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		10.0			
<b>Screen End Depth:</b>		20.0			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		1.659999966621399			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1005562850			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		ft			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1005562849			
<b>Diameter:</b>		3.25			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		20.0			
<b>Hole Depth UOM:</b>		ft			
<b>Hole Diameter UOM:</b>		inch			

<a href="#">32</a>	1 of 1	NW/237.2	69.9 / -8.54	999 HERON ROAD Ottawa ON	WWIS
<b>Well ID:</b>		7245128		<b>Flowing (Y/N):</b>	
<b>Construction Date:</b>				<b>Flow Rate:</b>	
<b>Use 1st:</b>		Monitoring and Test Hole		<b>Data Entry Status:</b>	
<b>Use 2nd:</b>		0		<b>Data Src:</b>	
<b>Final Well Status:</b>		Monitoring and Test Hole		<b>Date Received:</b>	07/21/2015
<b>Water Type:</b>				<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>				<b>Abandonment Rec:</b>	
<b>Audit No:</b>		Z208924		<b>Contractor:</b>	7241
<b>Tag:</b>		A177219		<b>Form Version:</b>	7
<b>Constructn Method:</b>				<b>Owner:</b>	
<b>Elevation (m):</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliabilty:</b>				<b>Lot:</b>	
<b>Depth to Bedrock:</b>				<b>Concession:</b>	
<b>Well Depth:</b>				<b>Concession Name:</b>	
<b>Overburden/Bedrock:</b>				<b>Easting NAD83:</b>	
<b>Pump Rate:</b>				<b>Northing NAD83:</b>	
<b>Static Water Level:</b>				<b>Zone:</b>	
<b>Clear/Cloudy:</b>				<b>UTM Reliability:</b>	
<b>Municipality:</b>		GLOUCESTER TOWNSHIP			
<b>Site Info:</b>					
<b>PDF URL (Map):</b>		<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7245128.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7245128.pdf</a>			

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

**Well Completed Date:** 06/23/2015  
**Year Completed:** 2015  
**Depth (m):** 5.4864  
**Latitude:** 45.3792978835459  
**Longitude:** -75.6771695719466  
**X:** -75.67716941056496  
**Y:** 45.37929787736903  
**Path:** 724\7245128.pdf

#### **Bore Hole Information**

<b>Bore Hole ID:</b>	1005499692	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	446982.00
<b>Code OB Desc:</b>		<b>North83:</b>	5025310.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	06/23/2015	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Location Method Desc:</b>	on Water Well Record		
<b>Elevrc Desc:</b>			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b> <b><u>Materials Interval</u></b>					
Formation ID:		1005562832			
Layer:		1			
Color:		2			
General Color:		GREY			
Material 1:		11			
Material 1 Desc:		GRAVEL			
Material 2:					
Material 2 Desc:					
Material 3:		68			
Material 3 Desc:		DRY			
Formation Top Depth:		0.0			
Formation End Depth:		2.0			
Formation End Depth UOM:		ft			
<b><u>Overburden and Bedrock</u></b> <b><u>Materials Interval</u></b>					
Formation ID:		1005562833			
Layer:		2			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		06			
Material 2 Desc:		SILT			
Material 3:		85			
Material 3 Desc:		SOFT			
Formation Top Depth:		2.0			
Formation End Depth:		13.0			
Formation End Depth UOM:		ft			
<b><u>Overburden and Bedrock</u></b> <b><u>Materials Interval</u></b>					
Formation ID:		1005562834			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		06			
Material 2 Desc:		SILT			
Material 3:		85			
Material 3 Desc:		SOFT			
Formation Top Depth:		13.0			
Formation End Depth:		18.0			
Formation End Depth UOM:		ft			
<b><u>Annular Space/Abandonment</u></b> <b><u>Sealing Record</u></b>					
Plug ID:		1005562842			
Layer:		1			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		1.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1005562843			
<b>Layer:</b>		2			
<b>Plug From:</b>		1.0			
<b>Plug To:</b>		7.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1005562844			
<b>Layer:</b>		3			
<b>Plug From:</b>		7.0			
<b>Plug To:</b>		18.0			
<b>Plug Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1005562841			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1005562831			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1005562837			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		8.0			
<b>Casing Diameter:</b>		1.3600000143051147			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1005562838			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		8.0			
<b>Screen End Depth:</b>		18.0			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		ft			
<b>Screen Diameter UOM:</b>		inch			
<b>Screen Diameter:</b>		1.659999966621399			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Water Details</u>					
Water ID:		1005562836			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1005562835			
Diameter:		2.375			
Depth From:		0.0			
Depth To:		18.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<a href="#">33</a>	1 of 1	N/239.2	74.2 / -4.26	ON	WWIS
Well ID:	1508753			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:	04/01/1952
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	3566
Tag:				Form Version:	1
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/150\1508753.pdf				
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	04/20/1951				
Year Completed:	1951				
Depth (m):	51.2064				
Latitude:	45.3797786736746				
Longitude:	-75.675020580161				
X:	-75.67502041829478				
Y:	45.37977866739177				
Path:	150\1508753.pdf				
<u>Bore Hole Information</u>					
Bore Hole ID:	10030787			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	447150.70
Code OB Desc:				North83:	5025362.00

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	04/20/1951			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Location Method Desc:		Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931010505			
Layer:		1			
Color:					
General Color:					
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		40.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931010508			
Layer:		4			
Color:					
General Color:					
Material 1:		17			
Material 1 Desc:		SHALE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		88.0			
Formation End Depth:		168.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931010507			
Layer:		3			
Color:					
General Color:					
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		09			
Material 2 Desc:		MEDIUM SAND			
Material 3:		12			
Material 3 Desc:		STONES			
Formation Top Depth:		65.0			
Formation End Depth:		88.0			
Formation End Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Overburden and Bedrock Materials Interval</u></b>					
Formation ID:		931010506			
Layer:		2			
Color:					
General Color:					
Material 1:		06			
Material 1 Desc:		SILT			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		40.0			
Formation End Depth:		65.0			
Formation End Depth UOM:		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
Method Construction ID:		961508753			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<b><u>Pipe Information</u></b>					
Pipe ID:		10579357			
Casing No:		1			
Comment:					
Alt Name:					
<b><u>Construction Record - Casing</u></b>					
Casing ID:		930054209			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		168.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Construction Record - Casing</u></b>					
Casing ID:		930054208			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		90.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Results of Well Yield Testing</u></b>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991508753			
Pump Set At:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Static Level:		20.0			
Final Level After Pumping:		60.0			
Recommended Pump Depth:					
Pumping Rate:		4.0			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		No			
<b><u>Water Details</u></b>					
Water ID:		933463407			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		110.0			
Water Found Depth UOM:		ft			
<b><u>Water Details</u></b>					
Water ID:		933463408			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		140.0			
Water Found Depth UOM:		ft			
<b><u>Water Details</u></b>					
Water ID:		933463409			
Layer:		3			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		168.0			
Water Found Depth UOM:		ft			

<b><u>34</u></b>	<b>1 of 1</b>	<b>N/239.3</b>	<b>74.2 / -4.26</b>	<b>ON</b>	<b>BORE</b>
Borehole ID:	612848			Inclin FLG:	No
OGF ID:	215514154			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	APR-1951			Municipality:	
Static Water Level:	9.2			Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.37978
Total Depth m:	51.2			Longitude DD:	-75.675021
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	447151
Drill Method:				Northing:	5025362
Orig Ground Elev m:	77.7			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	77				
Concession:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Location D:  
Survey D:  
Comments:

#### Borehole Geology Stratum

<b>Geology Stratum ID:</b>	218392699	<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0	<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	12.2	<b>Material Texture:</b>	
<b>Material Color:</b>		<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Clay	<b>Geologic Formation:</b>	
<b>Material 2:</b>		<b>Geologic Group:</b>	
<b>Material 3:</b>		<b>Geologic Period:</b>	
<b>Material 4:</b>		<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>			
<b>Stratum Description:</b>	CLAY.		

<b>Geology Stratum ID:</b>	218392701	<b>Mat Consistency:</b>	
<b>Top Depth:</b>	19.8	<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	26.8	<b>Material Texture:</b>	
<b>Material Color:</b>		<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Clay	<b>Geologic Formation:</b>	
<b>Material 2:</b>	Sand	<b>Geologic Group:</b>	
<b>Material 3:</b>	Stones	<b>Geologic Period:</b>	
<b>Material 4:</b>		<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>			
<b>Stratum Description:</b>	CLAY.		

<b>Geology Stratum ID:</b>	218392700	<b>Mat Consistency:</b>	
<b>Top Depth:</b>	12.2	<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	19.8	<b>Material Texture:</b>	
<b>Material Color:</b>		<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Silt	<b>Geologic Formation:</b>	
<b>Material 2:</b>		<b>Geologic Group:</b>	
<b>Material 3:</b>		<b>Geologic Period:</b>	
<b>Material 4:</b>		<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>			
<b>Stratum Description:</b>	SILT.		

<b>Geology Stratum ID:</b>	218392702	<b>Mat Consistency:</b>	Soft
<b>Top Depth:</b>	26.8	<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	51.2	<b>Material Texture:</b>	
<b>Material Color:</b>		<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Shale	<b>Geologic Formation:</b>	
<b>Material 2:</b>		<b>Geologic Group:</b>	
<b>Material 3:</b>		<b>Geologic Period:</b>	
<b>Material 4:</b>		<b>Depositional Gen:</b>	
<b>Gsc Material Description:</b>			
<b>Stratum Description:</b>	SHALE. 00140Y. SOFT. SAND. WATER STABLE AT 224.9 FEET.BEDROCK. 20.0 FEET.TILL. BEDR **Note: Many records provided by the department have a truncated [Stratum Description] field.		

#### Source

<b>Source Type:</b>	Data Survey	<b>Source Appl:</b>	Spatial/Tabular
<b>Source Orig:</b>	Geological Survey of Canada	<b>Source Iden:</b>	1
<b>Source Date:</b>	1956-1972	<b>Scale or Res:</b>	Varies
<b>Confidence:</b>		<b>Horizontal:</b>	NAD27
<b>Observatio:</b>		<b>Verticalda:</b>	Mean Average Sea Level
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)		
<b>Source Details:</b>	File: OTTAWA2.txt RecordID: 05356 NTS_Sheet:		
<b>Confiden 1:</b>			

#### Source List



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<div> <div> Source Identifier: 1  Source Type: Data Survey  Source Date: 1956-1972  Scale or Resolution: Varies  Source Name: Urban Geology Automated Information System (UGAIS)  Source Originators: Geological Survey of Canada </div> <div> Horizontal Datum: NAD27  Vertical Datum: Mean Average Sea Level  Projection Name: Universal Transverse Mercator </div> </div>					
<a href="#">35</a>	1 of 1	SE/242.7	82.0 / 3.61	HYDRO OTTAWA REAR LOT OF 2464 CLEMINTINE OTTAWA TRANSFORMER OTTAWA CITY ON	SPL
<div> <div> Ref No: 195721  Year:  Incident Dt: 2/23/2001  Dt MOE Arvl on Scn:  MOE Reported Dt: 2/28/2001  Dt Document Closed:  Site No:  MOE Response:  Site County/District:  Site Geo Ref Meth:  Site District Office:  Nearest Watercourse:  Site Name:  Site Address:  Site Region:  Site Municipality: OTTAWA CITY  Site Lot:  Site Conc:  Site Geo Ref Accu:  Site Map Datum:  Northing:  Easting:  Incident Cause: COOLING SYSTEM LEAK  Incident Preceding Spill:  Environment Impact: Possible  Health Env Consequence:  Nature of Impact: Multi Media Pollution  Contaminant Qty:  Contaminant Qty 1:  Contaminant Unit:  Client Type:  Source Type:  Contaminant Code:  Contaminant Name:  Contaminant Limit 1:  Contam Limit Freq 1:  Contaminant UN No 1:  Receiving Medium: Land  Incident Reason: EQUIPMENT FAILURE  Incident Summary: HYDRO OTTAWA: UKN AMT OF TRANSFORMER OIL TO GROUND  Activity Preceding Spill:  Property 2nd Watershed:  Property Tertiary Watershed:  Sector Type:  SAC Action Class:  Call Report Locatn Geodata:  Time Reported:  System Facility Address:  Client Name: </div> <div> Municipality No: 20107  Nature of Damage:  Discharger Report:  Material Group:  Impact to Health:  Agency Involved: </div> </div>					

# Unplottable Summary

Total: **21** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Regional Municipality of Ottawa-Carleton	HERON ROAD	OTTAWA CITY ON	
CA	TRIANGLE PROJECT INC.-PT. LOTS 37-39	HERON RD./S-WATER MGT.FACILITY	OTTAWA CITY ON	
CA	R.J. NICOL CONSTRUCTION (1975) LTD.	HERON RD. ST. PETERS SCHOOL	OTTAWA CITY ON	
CA	R.J. NICOL CONSTRUCTION (1975) LTD.	HERON RD. ST. PETERS SCHOOL	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARLETON	HERON RD.	OTTAWA CITY ON	
ECA	City of Ottawa	Clementine Blvd	Ottawa ON	K1P 1J1
ECA	Dragados Canada, Inc., EllisDon Corporation, and SNC-Lavalin Constructors	(Pacific) Inc. Bayview	Ottawa ON	K1Z 1G3
ECA	SNC-Lavalin Constructors (Pacific) Inc., Dragados Canada, Inc., and EllisDon	Corporation	Ottawa ON	K1Z 1G3
ECA	Dragados Canada Inc., EllisDon Corporation, and SNC-Lavalin Constructors	(Pacific) Inc. East Portal Limits to Hurdmand East Transitway	Ottawa ON	K1Z 1G3
EHS		heron road	ottawa ON	
EHS		Heron Road	Ottawa ON	
GEN	SPIC & SPAN-VALETOR-CASH CLEANERS 35-136	HERONGAVE MALL, HERON ROAD C/O 1764 WOODWARD DRIVE	OTTAWA ON	K2C 0P8
GEN	SPIC & SPAN-VALETOR (OUT OF BUSINESS)	HERONGAVE MALL, HERON ROAD C/O 1764 WOODWARD DRIVE	OTTAWA ON	K2C 0P8
GEN	SPIC & SPAN-VALETOR-CASH CLEANERS	HERONGAVE MALL, HERON ROAD C/O 1764 WOODWARD DRIVE	OTTAWA ON	K2C 0P8
SPL	PUBLIC WORKS CANADA	SAWMILL CREEK HERON RD (BETWEEN BRONSON & CLOVER)	OTTAWA CITY ON	
SPL	TRANSPORT TRUCK	HWY 16 MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	

SPL	CHEMLAWN	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL		Upstream of Heron rd	Ottawa ON
SPL	SNC-Lavalin Operations & Maintenance Inc.		Ottawa ON
SPL	SNC-Lavalin Constructors (Pacific) Inc., Dragados Canada, Inc.	Belfast	Ottawa ON
SPL	HEATING OIL TANK	FARM OFF HWY 16 PETROLEUM SECTOR _ONLY_	OTTAWA-CARLETON R. M. ON

# Unplottable Report

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**Site:** *Regional Municipality of Ottawa-Carleton*  
*HERON ROAD OTTAWA CITY ON*

**Database:**  
*CA*

**Certificate #:** 8-4161-92-  
**Application Year:** 92  
**Issue Date:** 12/10/1992  
**Approval Type:** Industrial air  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:** INSTALL 20 KW STANDBY DIESEL GENERATOR  
**Contaminants:** Nitrogen Oxides  
**Emission Control:** No Controls

---

**Site:** *TRIANGLE PROJECT INC.-PT.LOTS 37-39*  
*HERON RD./S-WATER MGT.FACILITY OTTAWA CITY ON*

**Database:**  
*CA*

**Certificate #:** 3-0628-92-  
**Application Year:** 92  
**Issue Date:** 9/21/1992  
**Approval Type:** Municipal sewage  
**Status:** Cancelled  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *R.J. NICOL CONSTRUCTION (1975) LTD.*  
*HERON RD. ST. PETERS SCHOOL OTTAWA CITY ON*

**Database:**  
*CA*

**Certificate #:** 7-0065-87-  
**Application Year:** 87  
**Issue Date:** 2/20/1987  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *R.J. NICOL CONSTRUCTION (1975) LTD.*  
*HERON RD. ST. PETERS SCHOOL OTTAWA CITY ON*

**Database:**  
*CA*

**Certificate #:** 3-0091-87-  
**Application Year:** 87

**Issue Date:** 2/20/1987  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **R.M. OF OTTAWA-CARLETON**  
**HERON RD. OTTAWA CITY ON**

**Database:**  
**CA**

**Certificate #:** 3-1471-86-  
**Application Year:** 86  
**Issue Date:** 10/16/1986  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **City of Ottawa**  
**Clementine Blvd Ottawa ON K1P 1J1**

**Database:**  
**ECA**

**Approval No:** 8075-72VQV2  
**Approval Date:** 2007-05-22  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-Municipal Drinking Water Systems  
**Project Type:** Municipal Drinking Water Systems  
**Business Name:** City of Ottawa  
**Address:** Clementine Blvd  
**Full Address:**  
**Full PDF Link:**  
**PDF Site Location:**

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

---

**Site:** **Dragados Canada, Inc., Ellis-Don Corporation, and SNC-Lavalin Constructors**  
**(Pacific) Inc. Bayview Ottawa ON K1Z 1G3**

**Database:**  
**ECA**

**Approval No:** 1859-AF6QZE  
**Approval Date:** 2016-11-03  
**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:** Dragados Canada, Inc., Ellis-Don Corporation, and SNC-Lavalin Constructors (Pacific) Inc.  
**Address:** Bayview  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/6808-AEMNM5-14.pdf>  
**PDF Site Location:**

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

**Site:** SNC-Lavalin Constructors (Pacific) Inc., Dragados Canada, Inc., and EllisDon Corporation Ottawa ON K1Z 1G3

**Database:**  
ECA

**Approval No:** 3474-99NHUQ  
**Approval Date:** 2013-08-07  
**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:** SNC-Lavalin Constructors (Pacific) Inc., Dragados Canada, Inc., and EllisDon Corporation  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/2982-99JLHL-14.pdf>  
**PDF Site Location:**

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

**Site:** Dragados Canada Inc., EllisDon Corporation, and SNC-Lavalin Constructors (Pacific) Inc. East Portal Limits to Hurdmand East Transitway Ottawa ON K1Z 1G3

**Database:**  
ECA

**Approval No:** 1525-A9WGW3  
**Approval Date:** 2016-05-24  
**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:** Dragados Canada Inc., EllisDon Corporation, and SNC-Lavalin Constructors (Pacific) Inc.  
**Address:** East Portal Limits to Hurdmand East Transitway  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/5370-A8BHCF-14.pdf>  
**PDF Site Location:**

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

**Site:** heron road ottawa ON

**Database:**  
EHS

**Order No:** 20021218002  
**Status:** C  
**Report Type:** Complete Report  
**Report Date:** 12/19/02  
**Date Received:** 12/18/02  
**Previous Site Name:**  
**Lot/Building Size:**  
**Additional Info Ordered:**

**Nearest Intersection:**  
**Municipality:**  
**Client Prov/State:** ON  
**Search Radius (km):** 0.50  
**X:** -75.64485  
**Y:** 45.37902

**Site:** Heron Road Ottawa ON

**Database:**  
EHS

**Order No:** 20141021043  
**Status:** C  
**Report Type:** Standard Report  
**Report Date:** 27-OCT-14  
**Date Received:** 21-OCT-14  
**Previous Site Name:**  
**Lot/Building Size:**  
**Additional Info Ordered:**

**Nearest Intersection:**  
**Municipality:** City of Ottawa  
**Client Prov/State:** ON  
**Search Radius (km):** .25  
**X:** -75.684489  
**Y:** 45.375447

**Site:** SPIC & SPAN-VALETOR-CASH CLEANERS 35-136 HERONGAVE MALL, HERON ROAD C/O 1764 WOODWARD DRIVE OTTAWA ON K2C 0P8

**Database:**  
GEN

**Generator No:** ON0573416  
**SIC Code:** 9721  
**SIC Description:** POWER LAUND./CLEANER

Approval Years: 94,95  
PO Box No:  
Country:  
Status:  
Co Admin:  
Choice of Contact:  
Phone No Admin:  
Contaminated Facility:  
MHSW Facility:

Detail(s)

Waste Class: 241  
Waste Class Name: HALOGENATED SOLVENTS

Site: SPIC & SPAN-VALETOR (OUT OF BUSINESS)  
HERONGAVE MALL, HERON ROAD C/O 1764 WOODWARD DRIVE OTTAWA ON K2C 0P8

Database:  
GEN

Generator No: ON0573416  
SIC Code: 9721  
SIC Description: POWER LAUND./CLEANER  
Approval Years: 92,93,96,97,98  
PO Box No:  
Country:  
Status:  
Co Admin:  
Choice of Contact:  
Phone No Admin:  
Contaminated Facility:  
MHSW Facility:

Detail(s)

Waste Class: 241  
Waste Class Name: HALOGENATED SOLVENTS

Site: SPIC & SPAN-VALETOR-CASH CLEANERS  
HERONGAVE MALL, HERON ROAD C/O 1764 WOODWARD DRIVE OTTAWA ON K2C 0P8

Database:  
SPL

Generator No: ON0573416  
SIC Code: 9721  
SIC Description: POWER LAUND./CLEANERS  
Approval Years: 86,87,88,89,90  
PO Box No:  
Country:  
Status:  
Co Admin:  
Choice of Contact:  
Phone No Admin:  
Contaminated Facility:  
MHSW Facility:

Detail(s)

Waste Class: 241  
Waste Class Name: HALOGENATED SOLVENTS

Site: PUBLIC WORKS CANADA  
SAWMILL CREEK HERON RD (BETWEEN BRONSON & CLOVER) OTTAWA CITY ON

Database:  
SPL

Ref No:	84884	Municipality No:	20101
Year:		Nature of Damage:	
Incident Dt:	5/1/1993	Discharger Report:	
Dt MOE Arvl on Scn:		Material Group:	
MOE Reported Dt:	5/1/1993	Impact to Health:	
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:** PIPE/HOSE LEAK  
**Incident Preceding Spill:**  
**Environment Impact:** POSSIBLE  
**Health Env Consequence:**  
**Nature of Impact:** Water course or lake  
**Contaminant Qty:**  
**Contaminant Qty 1:**  
**Contaminant Unit:**  
**Client Type:**  
**Source Type:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Receiving Medium:** WATER  
**Incident Reason:** ERROR  
**Incident Summary:** SILT & SEDIMENT TO CREEK FROM CONSTRUCTION SITE DUE TO BROKEN WATERMAIN.  
**Activity Preceding Spill:**  
**Property 2nd Watershed:**  
**Property Tertiary Watershed:**  
**Sector Type:**  
**SAC Action Class:**  
**Call Report Locatn Geodata:**  
**Time Reported:**  
**System Facility Address:**  
**Client Name:**

**Site:** TRANSPORT TRUCK  
 HWY 16 MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

**Database:**  
 SPL

<b>Ref No:</b>	76308	<b>Municipality No:</b>	20101
<b>Year:</b>		<b>Nature of Damage:</b>	
<b>Incident Dt:</b>	9/15/1992	<b>Discharger Report:</b>	
<b>Dt MOE Arvl on Scn:</b>		<b>Material Group:</b>	
<b>MOE Reported Dt:</b>	9/15/1992	<b>Impact to Health:</b>	
<b>Dt Document Closed:</b>		<b>Agency Involved:</b>	PD,FD,MTO.
<b>Site No:</b>			
<b>MOE Response:</b>			
<b>Site County/District:</b>			
<b>Site Geo Ref Meth:</b>			
<b>Site District Office:</b>			
<b>Nearest Watercourse:</b>			
<b>Site Name:</b>			
<b>Site Address:</b>			
<b>Site Region:</b>			
<b>Site Municipality:</b>	OTTAWA CITY		
<b>Site Lot:</b>			
<b>Site Conc:</b>			
<b>Site Geo Ref Accu:</b>			
<b>Site Map Datum:</b>			
<b>Northing:</b>			



**Easting:**  
**Incident Cause:** OTHER CONTAINER LEAK  
**Incident Preceding Spill:**  
**Environment Impact:** POSSIBLE  
**Health Env Consequence:**  
**Nature of Impact:** Soil contamination  
**Contaminant Qty:**  
**Contaminant Qty 1:**  
**Contaminant Unit:**  
**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:** TRANSPORT TRUCK-450 L DIESEL FUEL TO HWY 16 CONTAINED,FD,PD,MTO.  
**Activity Preceding Spill:**  
**Property 2nd Watershed:**  
**Property Tertiary Watershed:**  
**Sector Type:**  
**SAC Action Class:**  
**Call Report Locatn Geodata:**  
**Time Reported:**  
**System Facility Address:**  
**Client Name:**

**Site:** CHEMLAWN  
 TANK TRUCK (CARGO) OTTAWA CITY ON

**Database:**  
 SPL

<b>Ref No:</b>	20469	<b>Municipality No:</b>	20101
<b>Year:</b>		<b>Nature of Damage:</b>	
<b>Incident Dt:</b>	4/25/1989	<b>Discharger Report:</b>	
<b>Dt MOE Arvl on Scn:</b>		<b>Material Group:</b>	
<b>MOE Reported Dt:</b>	4/25/1989	<b>Impact to Health:</b>	
<b>Dt Document Closed:</b>		<b>Agency Involved:</b>	
<b>Site No:</b>			
<b>MOE Response:</b>			
<b>Site County/District:</b>			
<b>Site Geo Ref Meth:</b>			
<b>Site District Office:</b>			
<b>Nearest Watercourse:</b>			
<b>Site Name:</b>			
<b>Site Address:</b>			
<b>Site Region:</b>			
<b>Site Municipality:</b>	OTTAWA CITY		
<b>Site Lot:</b>			
<b>Site Conc:</b>			
<b>Site Geo Ref Accu:</b>			
<b>Site Map Datum:</b>			
<b>Northing:</b>			
<b>Easting:</b>			
<b>Incident Cause:</b>	VALVE/FITTING LEAK OR FAILURE		
<b>Incident Preceding Spill:</b>			
<b>Environment Impact:</b>	NOT ANTICIPATED		
<b>Health Env Consequence:</b>			
<b>Nature of Impact:</b>			
<b>Contaminant Qty:</b>			
<b>Contaminant Qty 1:</b>			
<b>Contaminant Unit:</b>			
<b>Client Type:</b>			
<b>Source Type:</b>			
<b>Contaminant Code:</b>			
<b>Contaminant Name:</b>			
<b>Contaminant Limit 1:</b>			
<b>Contam Limit Freq 1:</b>			

**Contaminant UN No 1:**  
**Receiving Medium:** LAND  
**Incident Reason:** ERROR  
**Incident Summary:** BACKENTRY - CHEMLAWN 100L FERTILIZER/WATER FROM OPEN VALVE ON TRUCK  
**Activity Preceding Spill:**  
**Property 2nd Watershed:**  
**Property Tertiary Watershed:**  
**Sector Type:**  
**SAC Action Class:**  
**Call Report Locatn Geodata:**  
**Time Reported:**  
**System Facility Address:**  
**Client Name:**

---

**Site:** Upstream of Heron rd Ottawa ON

**Database:**  
**SPL**

<b>Ref No:</b>	3334-7GCS8J	<b>Municipality No:</b>	
<b>Year:</b>		<b>Nature of Damage:</b>	
<b>Incident Dt:</b>		<b>Discharger Report:</b>	
<b>Dt MOE Arvl on Scn:</b>		<b>Material Group:</b>	
<b>MOE Reported Dt:</b>	7/8/2008	<b>Impact to Health:</b>	
<b>Dt Document Closed:</b>	10/14/2008	<b>Agency Involved:</b>	
<b>Site No:</b>			
<b>MOE Response:</b>	No Further Response (PR-PIR Table A)		
<b>Site County/District:</b>			
<b>Site Geo Ref Meth:</b>			
<b>Site District Office:</b>	Ottawa		
<b>Nearest Watercourse:</b>			
<b>Site Name:</b>	Sawmill creek<UNOFFICIAL>		
<b>Site Address:</b>			
<b>Site Region:</b>			
<b>Site Municipality:</b>	Ottawa		
<b>Site Lot:</b>			
<b>Site Conc:</b>			
<b>Site Geo Ref Accu:</b>			
<b>Site Map Datum:</b>			
<b>Northing:</b>			
<b>Easting:</b>			
<b>Incident Cause:</b>	Other Discharges		
<b>Incident Preceding Spill:</b>			
<b>Environment Impact:</b>	Not Anticipated		
<b>Health Env Consequence:</b>			
<b>Nature of Impact:</b>			
<b>Contaminant Qty:</b>	10 other - see incident description		
<b>Contaminant Qty 1:</b>	10		
<b>Contaminant Unit:</b>	other - see incident description		
<b>Client Type:</b>			
<b>Source Type:</b>			
<b>Contaminant Code:</b>	28		
<b>Contaminant Name:</b>	RUST-INHIBITOR (N.O.S.)		
<b>Contaminant Limit 1:</b>			
<b>Contam Limit Freq 1:</b>			
<b>Contaminant UN No 1:</b>			
<b>Receiving Medium:</b>			
<b>Incident Reason:</b>	Negligence (Apparent) - Caused by lack of diligence		
<b>Incident Summary:</b>	Sawmill Creek, 10 Aerosol cans, c/n		
<b>Activity Preceding Spill:</b>			
<b>Property 2nd Watershed:</b>			
<b>Property Tertiary Watershed:</b>			
<b>Sector Type:</b>	Unknown		
<b>SAC Action Class:</b>	Watercourse Spills		
<b>Call Report Locatn Geodata:</b>			
<b>Time Reported:</b>			
<b>System Facility Address:</b>			
<b>Client Name:</b>			

**Site:** **SNC-Lavalin Operations & Maintenance Inc.**  
**Ottawa ON**

**Database:**  
**SPL**

**Ref No:** 4475-8DGQA2  
**Year:**  
**Incident Dt:** 1/17/2011  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 1/26/2011  
**Dt Document Closed:** 2/16/2011  
**Site No:**  
**MOE Response:** No Field Response  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Site District Office:**  
**Nearest Watercourse:**  
**Site Name:** SNC Lavalin 150 Tunney's Pasture Driveway<UNOFFICIAL>  
**Site Address:**  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**Northings:**  
**Easting:**  
**Incident Cause:** Unknown  
**Incident Preceding Spill:**  
**Environment Impact:** Confirmed  
**Health Env Consequence:**  
**Nature of Impact:** Soil Contamination; Surface Water Pollution  
**Contaminant Qty:** 113 L  
**Contaminant Qty 1:** 113  
**Contaminant Unit:** L  
**Client Type:**  
**Source Type:**  
**Contaminant Code:** n/a  
**Contaminant Name:** Propylene glycol  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Receiving Medium:**  
**Incident Reason:** Equipment Failure - Malfunction of system components  
**Incident Summary:** 113L propylene glycol to roof, storm sewer.  
**Activity Preceding Spill:**  
**Property 2nd Watershed:**  
**Property Tertiary Watershed:**  
**Sector Type:** Other  
**SAC Action Class:** Land Spills  
**Call Report Locatn Geodata:**  
**Time Reported:**  
**System Facility Address:**  
**Client Name:** SNC-Lavalin Operations & Maintenance Inc.

**Site:** **SNC-Lavalin Constructors (Pacific) Inc., Dragados Canada, Inc.**  
**Belfast Ottawa ON**

**Database:**  
**SPL**

**Ref No:** 4841-9PMRVL  
**Year:**  
**Incident Dt:** 2014/10/06  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 2014/10/06  
**Dt Document Closed:** 2014/10/22  
**Site No:** NA  
**MOE Response:** No Field Response  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Site District Office:**  
**Nearest Watercourse:**  
**Municipality No:**  
**Nature of Damage:**  
**Discharger Report:**  
**Material Group:**  
**Impact to Health:**  
**Agency Involved:**

**Site Name:** Belfast Bridge over Highway 417<UNOFFICIAL>  
**Site Address:** Belfast  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**Northing:**  
**Easting:**  
**Incident Cause:** Leak/Break  
**Incident Preceding Spill:**  
**Environment Impact:** Not Anticipated  
**Health Env Consequence:**  
**Nature of Impact:** Other Impact(s)  
**Contaminant Qty:** 1 L  
**Contaminant Qty 1:** 1  
**Contaminant Unit:** L  
**Client Type:**  
**Source Type:**  
**Contaminant Code:** 15  
**Contaminant Name:** HYDRAULIC OIL  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Receiving Medium:**  
**Incident Reason:** Equipment Failure  
**Incident Summary:** OLRT, 1L hydraulic fluid to pavement, clnd  
**Activity Preceding Spill:**  
**Property 2nd Watershed:**  
**Property Tertiary Watershed:**  
**Sector Type:** Valve/Fitting/Piping  
**SAC Action Class:** Highway Spills (usually highway accidents)  
**Call Report Locatn Geodata:**  
**Time Reported:**  
**System Facility Address:**  
**Client Name:** SNC-Lavalin Constructors (Pacific) Inc., Dragados Canada, Inc., EllisDon Corporation; City of Ottawa

**Site:** HEATING OIL TANK  
 FARM OFF HWY 16 PETROLEUM SECTOR\_ONLY\_ OTTAWA-CARLETON R.M. ON

**Database:**  
 SPL

<b>Ref No:</b>	30436	<b>Municipality No:</b>	20000
<b>Year:</b>		<b>Nature of Damage:</b>	
<b>Incident Dt:</b>	1/31/1990	<b>Discharger Report:</b>	
<b>Dt MOE Arvl on Scn:</b>		<b>Material Group:</b>	
<b>MOE Reported Dt:</b>	1/31/1990	<b>Impact to Health:</b>	
<b>Dt Document Closed:</b>		<b>Agency Involved:</b>	
<b>Site No:</b>			
<b>MOE Response:</b>			
<b>Site County/District:</b>			
<b>Site Geo Ref Meth:</b>			
<b>Site District Office:</b>			
<b>Nearest Watercourse:</b>			
<b>Site Name:</b>			
<b>Site Address:</b>			
<b>Site Region:</b>			
<b>Site Municipality:</b>	OTTAWA-CARLETON R.M.		
<b>Site Lot:</b>			
<b>Site Conc:</b>			
<b>Site Geo Ref Accu:</b>			
<b>Site Map Datum:</b>			
<b>Northing:</b>			
<b>Easting:</b>			
<b>Incident Cause:</b>	ABOVE-GROUND TANK LEAK		
<b>Incident Preceding Spill:</b>			
<b>Environment Impact:</b>			
<b>Health Env Consequence:</b>			
<b>Nature of Impact:</b>			

**Contaminant Qty:**  
**Contaminant Qty 1:**  
**Contaminant Unit:**  
**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:** STOVE OIL TANK-900 L STOVE OIL TO GROUND.  
**Activity Preceding Spill:**  
**Property 2nd Watershed:**  
**Property Tertiary Watershed:**  
**Sector Type:**  
**SAC Action Class:**  
**Call Report Locatn Geodata:**  
**Time Reported:**  
**System Facility Address:**  
**Client Name:**

## 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-Apr 2024**

### **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-Apr 30, 2024**

### **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-Apr 30, 2024**

**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 -May 2024**

**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-Jun 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 - July 31, 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-Aug 31, 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 - July 31, 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-Aug 31, 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-Mar 31, 2024**

**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 ERIIS 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, 2023****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-Jun 2024****Fisheries & Oceans Fuel Tanks:**

Federal

FOFT

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

**Government Publication Date: 1964-Sep 2019****Federal Identification Registry for Storage Tank Systems (FIRSTS):**

Federal

FRST

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

**Government Publication Date: Oct 31, 2021****Fuel Storage Tank:**

Provincial

FST

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

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

**Government Publication Date: Oct 2023**

**Fuel Storage Tank - Historic:**

Provincial

FSTH

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

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

**Ontario Regulation 347 Waste Generators Summary:**

Provincial

GEN

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

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

**Greenhouse Gas Emissions from Large Facilities:**

Federal

GHG

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

**Government Publication Date: 2013-Dec 2022**

**TSSA Historic Incidents:**

Provincial

HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

**Government Publication Date: 2006-June 2009\***

**Indian & Northern Affairs Fuel Tanks:**

Federal

IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

**Government Publication Date: 1950-Aug 2003\***

**Fuel Oil Spills and Leaks:**

Provincial

INC

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

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

**Landfill Inventory Management Ontario:**

Provincial

LIMO

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

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

**Canadian Mine Locations:**

Private

MINE

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

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

**Mineral Occurrences:**

Provincial

MNR

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

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

**National Analysis of Trends in Emergencies System (NATES):**

Federal

NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

**Government Publication Date: 1974-1994\***

**Non-Compliance Reports:**

Provincial

NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

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

**National Defense & Canadian Forces Fuel Tanks:**

Federal

NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

**Government Publication Date: Up to May 2001\***

**National Defense & Canadian Forces Spills:**

Federal

NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

**Government Publication Date: Mar 1999-Nov 2023**

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

Federal

NDWD

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

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

**National Energy Board Pipeline Incidents:**

Federal

NEBI

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

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

**National Energy Board Wells:**

Federal

NEBP

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

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

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

Federal

NEES

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

**Government Publication Date: 1974-2003\*****National PCB Inventory:**

Federal

NPCB

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

**Government Publication Date: 1988-2008\*****National Pollutant Release Inventory 1993-2020:**

Federal

NPR2

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

**Government Publication Date: Sep 2020****National Pollutant Release Inventory - Historic:**

Federal

NPRI

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

**Government Publication Date: 1993-May 2017****Oil and Gas Wells:**

Private

OGWE

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

**Government Publication Date: 1988-May 31, 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 - July 31, 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-Aug 31, 2024

**Ontario PFAS Spills:**

Provincial

PFAS

This specific list of spills includes those incidents where one or more of the listed contaminants are identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA), is originally sourced from the Ministry of the Environment, Conservation and Parks spills related data. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

**Government Publication Date:** 1988-Mar 2024; May 2024

**NPRI Reporters - PFAS Substances:**

Federal

PFCH

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

**Government Publication Date:** Sep 2020

**Potential PFAS Handlers from NPRI:**

Federal

PFHA

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

**Government Publication Date:** Sep 2020

**Pipeline Incidents:**

Provincial

PINC

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

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

**Potential PFAS Handlers from EASR:**

Provincial

PPHA

The Ontario Environmental Activity and Sector Registry (EASR), described in Ontario Regulation 245/11, allows businesses with less complex operations - and hence not requiring an Environmental Compliance Approval - to register their activities with the Ontario Ministry of the Environment, Conservation and Parks (MECP). This list of potential PFAS handlers includes those EASR 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.

**Government Publication Date:** Jun 30, 2024

**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 - July 31, 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-Jul 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-Apr 30, 2024

**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.

**Government Publication Date:** 1988-Mar 2024; May 2024

**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, 2021

**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 Aug 31, 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: Dec 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.



EXP Services Inc.

2409 Carlsen Inc.

*Phase One Environmental Site Assessment*

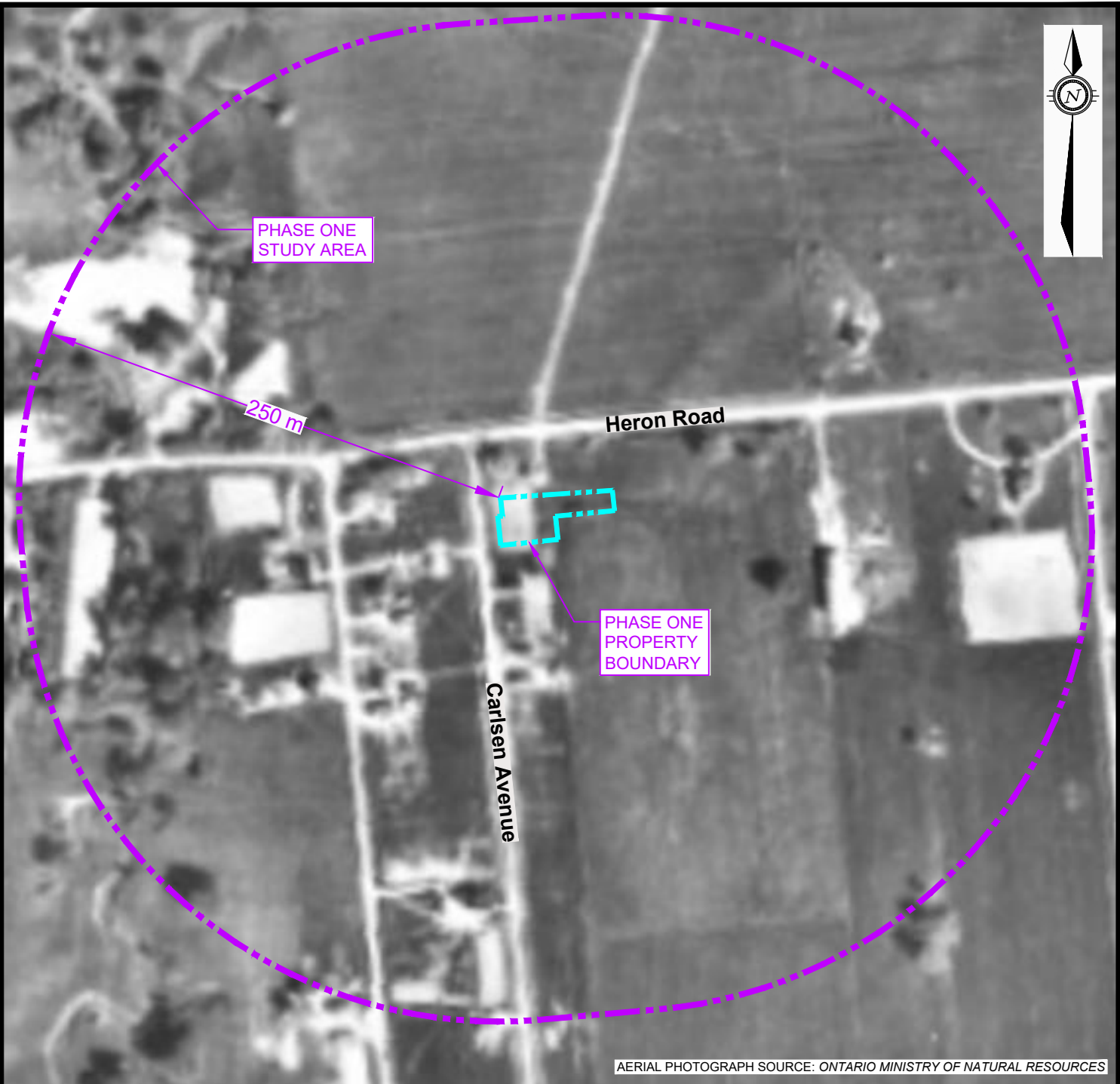
2409 Carlsen Avenue, Ottawa, Ontario

OTT-24002375-A0

October 28, 2024

## Appendix E: Aerial Photographs

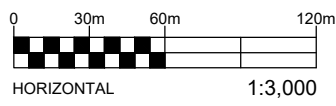
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Plotted by: Severa



**LEGEND**

- PROPERTY BOUNDARY
- STUDY AREA (250m)

ORIGINAL SHEET SIZE = 8.5" X 11"



**EXP Services Inc. [www.exp.com](http://www.exp.com)**  
t: +1.613.688.1899 | f: +1.613.225.7337  
2650 Queensview Drive, Suite 100  
Ottawa, ON K2B 8H6, Canada

DATE SEPTEMBER 2024		CLIENT: THEBERGE HOMES	project no. OTT-24002375-A0
DESIGN DC	CHECKED DC	PROPERTY ADDRESS: 2409 CARLESEN AVENUE, OTTAWA, ONTARIO	scale 1:3,000
DRAWN BY AS		PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT	FIG F-1
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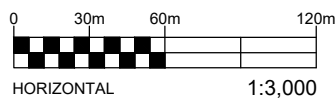
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Plotted by: Severa



**LEGEND**

- PROPERTY BOUNDARY
- STUDY AREA (250m)

ORIGINAL SHEET SIZE = 8.5" X 11"



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t: +1.613.688.1899 | f: +1.613.225.7337  
2650 Queensview Drive, Suite 100  
Ottawa, ON K2B 8H6, Canada

DATE SEPTEMBER 2024		CLIENT: THEBERGE HOMES	project no. OTT-24002375-A0
DESIGN DC	CHECKED DC	PROPERTY ADDRESS: 2409 CARLESEN AVENUE, OTTAWA, ONTARIO	scale 1:3,000
DRAWN BY AS		PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT	FIG F-2
		TITLE: 1965 AERIAL PHOTOGRAPH	



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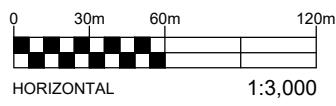


AERIAL PHOTOGRAPH SOURCE: geoOttawa (maps.ottawa.ca/geoottawa)

LEGEND

- PROPERTY BOUNDARY
- STUDY AREA (250m)

ORIGINAL SHEET SIZE = 8.5" X 11"

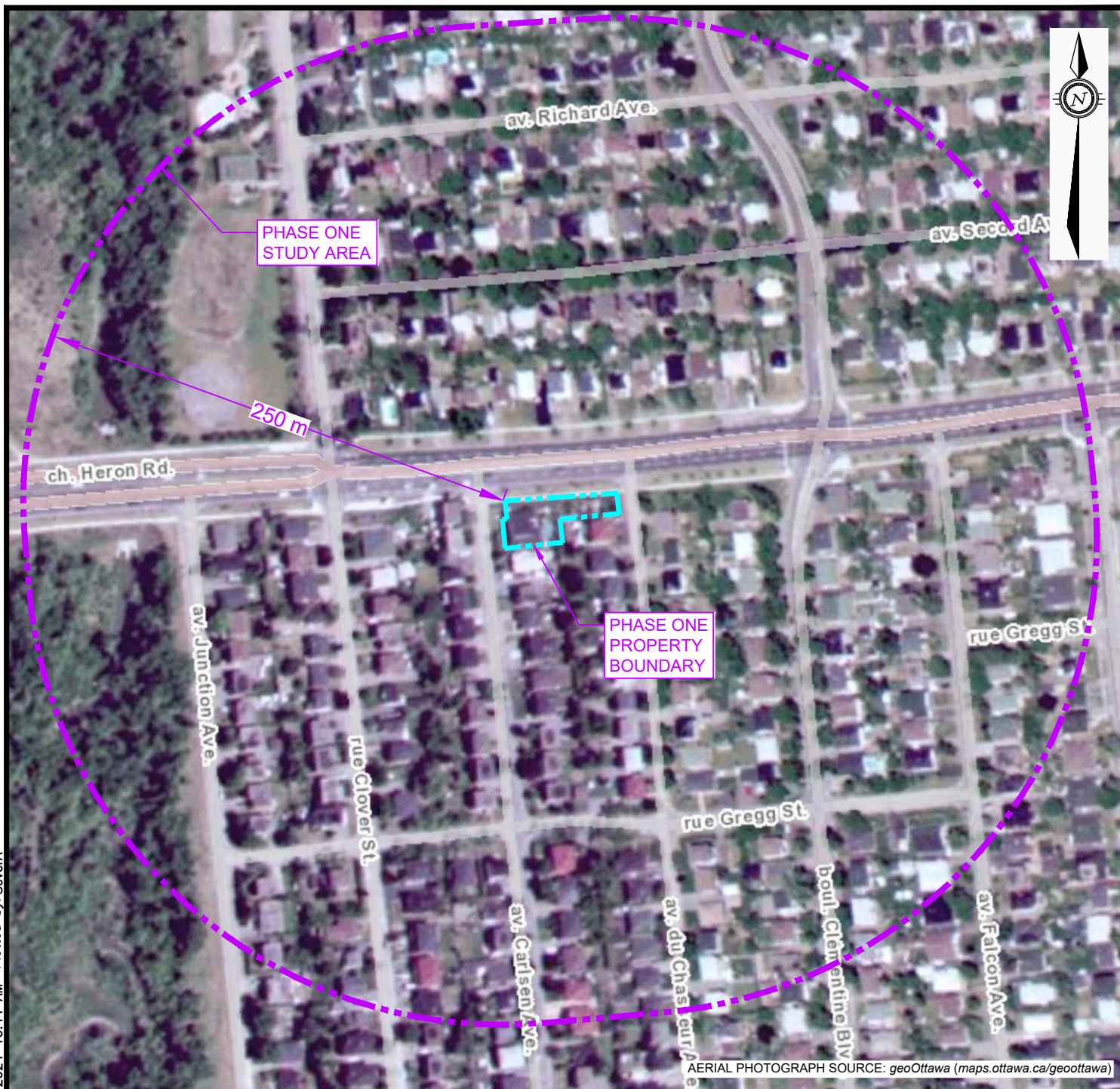


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DATE SEPTEMBER 2024		CLIENT: THEBERGE HOMES	project no. OTT-24002375-A0
DESIGN DC	CHECKED DC	PROPERTY ADDRESS: 2409 CARLESEN AVENUE, OTTAWA, ONTARIO	scale 1:3,000
DRAWN BY AS		PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT	
		TITLE: 1976 AERIAL PHOTOGRAPH	FIG F-3



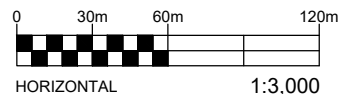
Filename: C:\Users\Severa\OneDrive - EXP\Desktop\AntonSevera\Work\TEMP\OTT-24002375-A0\_2409-Carlsen-Ave\OTT-24002375-A0\_Ph-1\_2409-Carlsen-Ave.dwg  
Last Saved: Oct 1, 2024 10:41 AM  
Plotted by: Severa



### LEGEND

-  PROPERTY BOUNDARY
-  STUDY AREA (250m)

ORIGINAL SHEET SIZE = 8.5" X 11"



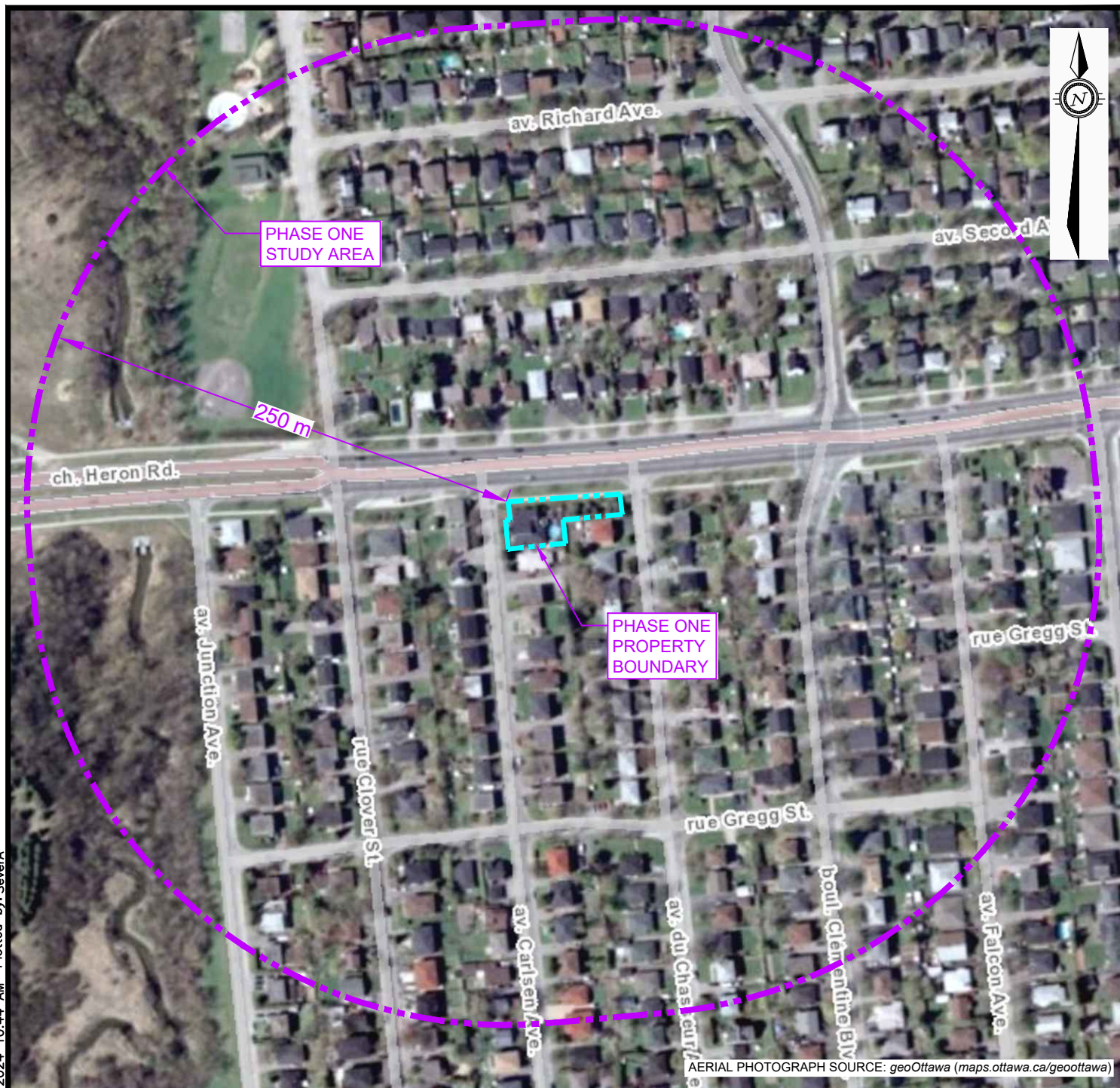
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DESIGN DC	CHECKED DC	PROPERTY ADDRESS: 2409 CARLESEN AVENUE, OTTAWA, ONTARIO	scale 1:3,000
DRAWN BY AS		PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT	
		TITLE: 1999 AERIAL PHOTOGRAPH	FIG F-4



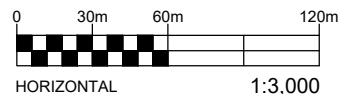
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Last Saved: Oct 1, 2024 10:41 AM  
Plotted by: Severa



### LEGEND

- PROPERTY BOUNDARY
- STUDY AREA (250m)

ORIGINAL SHEET SIZE = 8.5" X 11"



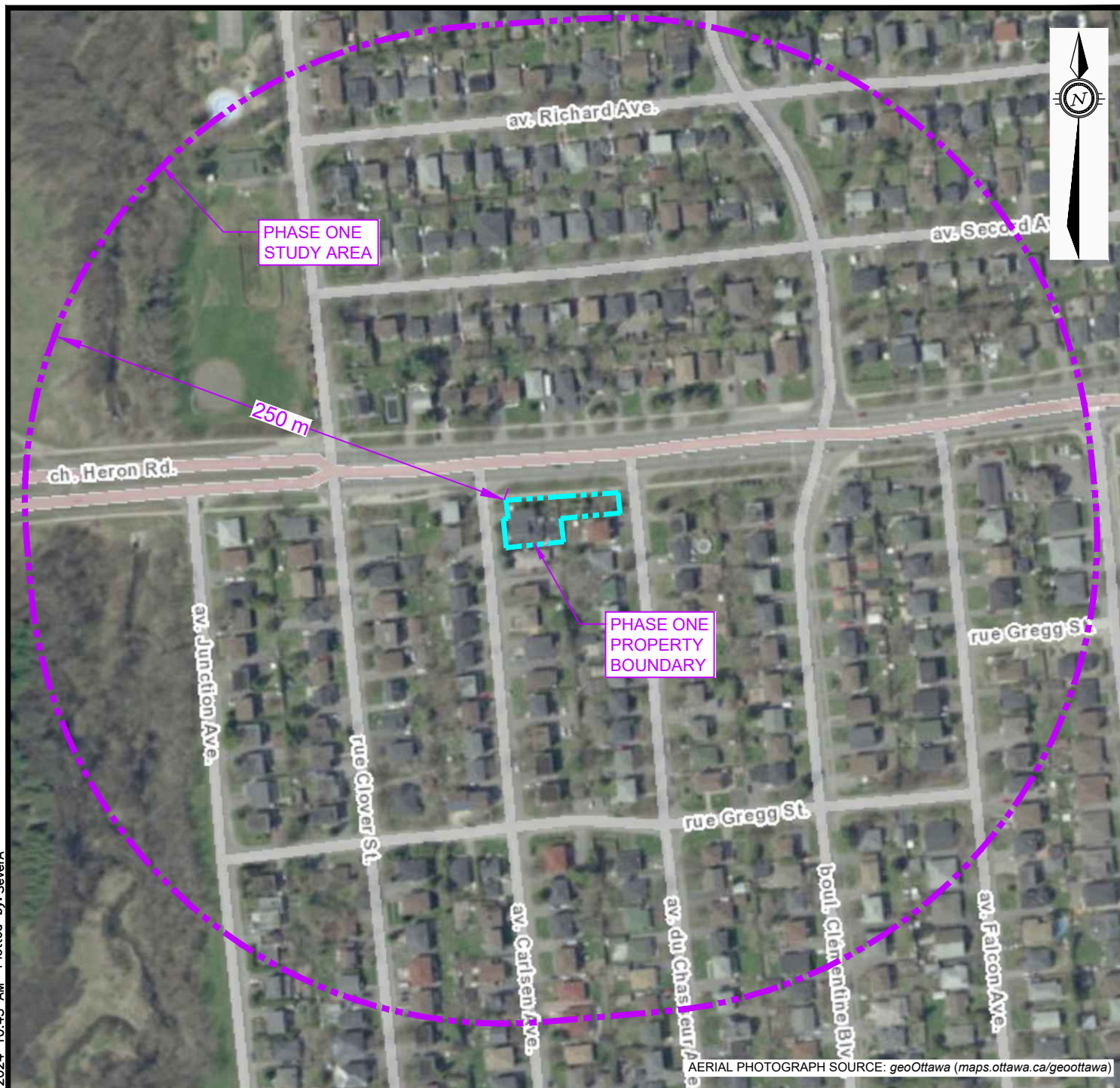
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DATE SEPTEMBER 2024		CLIENT: THEBERGE HOMES	project no. OTT-24002375-A0
DESIGN DC	CHECKED DC	PROPERTY ADDRESS: 2409 CARLESEN AVENUE, OTTAWA, ONTARIO	scale 1:3,000
DRAWN BY AS		PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT	
		TITLE: 2007 AERIAL PHOTOGRAPH	FIG F-5



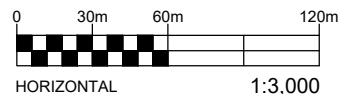
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Last Saved: Oct 1, 2024 10:41 AM  
Lost Plotted: Oct 1, 2024 10:45 AM  
Plotted by: Severa



### LEGEND

- PROPERTY BOUNDARY
- STUDY AREA (250m)

ORIGINAL SHEET SIZE = 8.5" X 11"



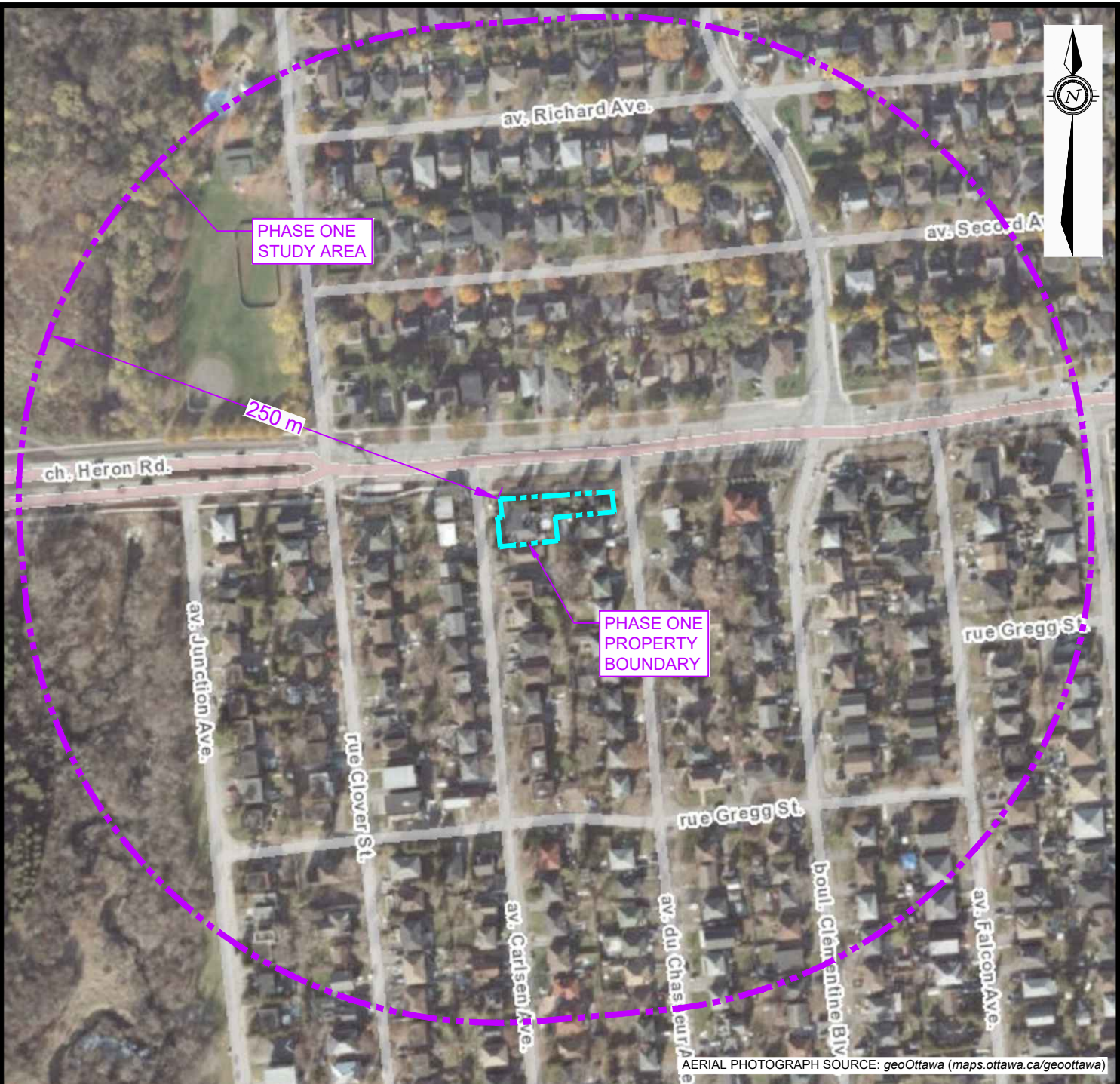
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DATE SEPTEMBER 2024		CLIENT: THEBERGE HOMES	project no. OTT-24002375-A0
DESIGN DC	CHECKED DC	PROPERTY ADDRESS: 2409 CARLESEN AVENUE, OTTAWA, ONTARIO	scale 1:3,000
DRAWN BY AS		PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT	
		TITLE: 2014 AERIAL PHOTOGRAPH	FIG F-6



Filename: C:\Users\Severa\OneDrive - EXP\Desktop\AntonSevera\Work\TEMP\OTT-24002375-A0\_2409-Carlsen-Ave\OTT-24002375-A0\_Ph-1\_2409-Carlsen-Ave.dwg  
Last Saved: Oct 1, 2024 10:41 AM  
Plotted by: Severa



**LEGEND**

- PROPERTY BOUNDARY
- STUDY AREA (250m)

ORIGINAL SHEET SIZE = 8.5" X 11"

0 30m 60m 120m

HORIZONTAL 1:3,000

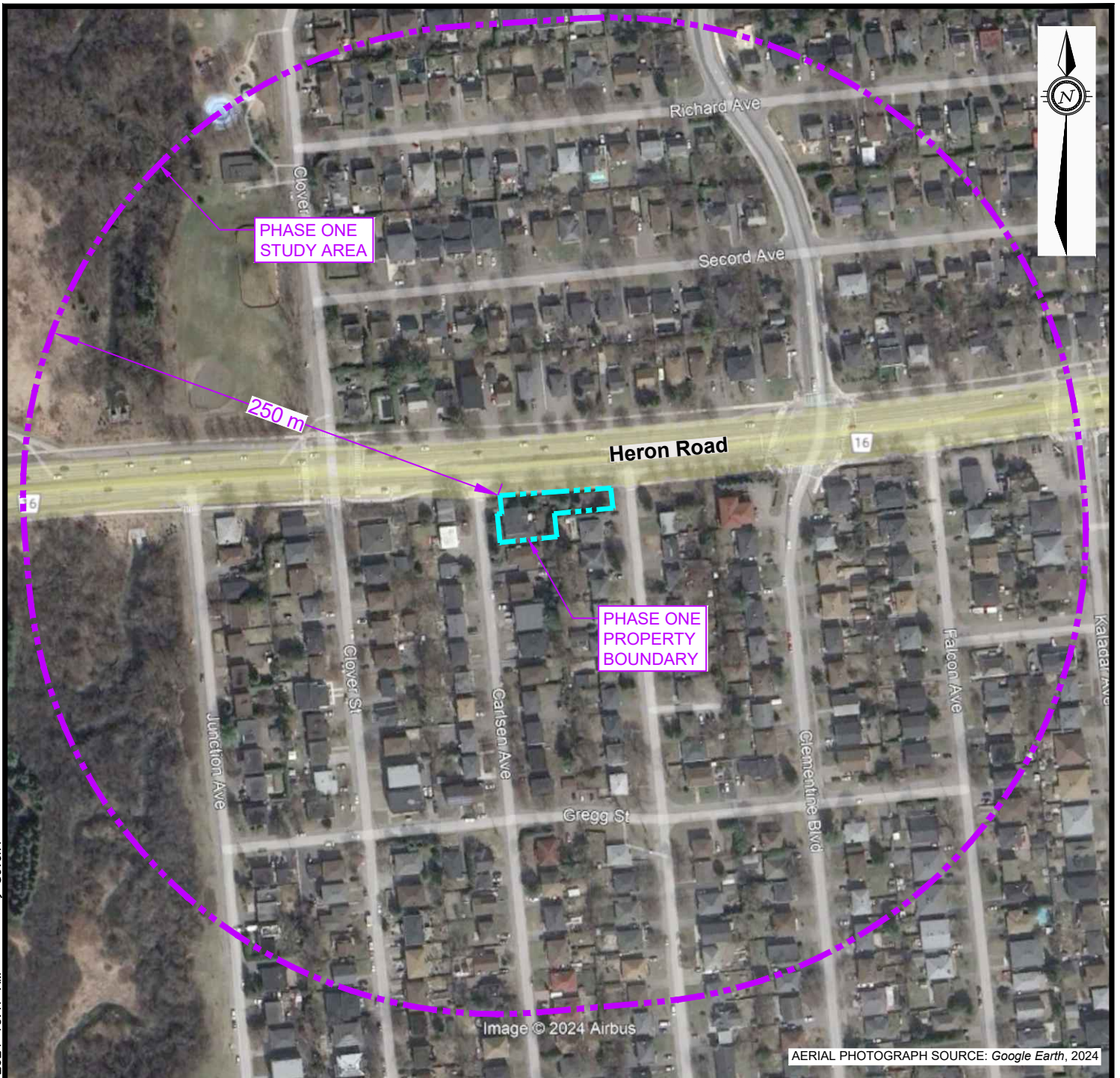


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DESIGN DC	CHECKED DC	PROPERTY ADDRESS: 2409 CARLESEN AVENUE, OTTAWA, ONTARIO	scale 1:4,000
DRAWN BY AS		PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT	
		TITLE: 2019 AERIAL PHOTOGRAPH	FIG F-7



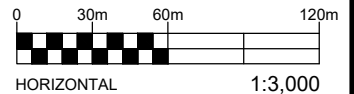
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Last Saved: Oct 1, 2024 10:47 AM  
Last Plotted: Oct 1, 2024 10:47 AM  
Plotted by: Severa



### LEGEND

- PROPERTY BOUNDARY
- STUDY AREA (250m)

ORIGINAL SHEET SIZE = 8.5" X 11"



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DESIGN DC	CHECKED DC	PROPERTY ADDRESS: 2409 CARLESEN AVENUE, OTTAWA, ONTARIO	scale 1:3,000
DRAWN BY AS		PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT	FIG F-8
		TITLE: 2024 AERIAL PHOTOGRAPH	

EXP Services Inc.

2409 Carlsen Inc.

*Phase One Environmental Site Assessment*

2409 Carlsen Avenue, Ottawa, Ontario

OTT-24002375-A0

October 28, 2024

## Appendix F: Site Photographs



EXP Services Inc.

2409 Carlsen Ltd.  
Phase One Environmental Site Assessment  
2409 Carlsen Avenue, Ottawa, Ontario  
OTT-24002375-A0  
October 28, 2024



**Photograph No. 1**

View of the Phase One property as seen from Carlsen Ave.



**Photograph No. 2**

View of one of the storage sheds on the Phase One property.





**Photograph No. 3**

View of the gardens in the eastern portion of the Phase One property.



**Photograph No. 4**

View of living room in the original portion of the building

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Phase One Environmental Site Assessment  
2409 Carlsen Avenue, Ottawa, Ontario  
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October 28, 2024



**Photograph No. 5**

View within the addition to the building.



**Photograph No. 6**

View of the second floor deck of the addition.

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OTT-24002375-A0  
October 28, 2024



**Photograph No. 7**

Textured wall finish in the original building, which could potentially be asbestos containing.



**Photograph No. 8**

A skylight in the original portion of the building.