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

Client:
City of Ottawa

Type of Document:
Final

Project Name:
Phase One Environmental Site Assessment

Project Number:
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Legal Notification

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

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. EXP Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this project.

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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 (RPRA) 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
1071 Heron Road	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.
2419 Chasseur Avenue	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.
1077 Secord Avenue	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.
999 Heron Road	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.
1079 Secord Avenue	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.
Clover Street and Gregg Street Intersection	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.
1076 Richard Avenue	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
1561 Clover Street	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.
947 Heron Road	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.
2464 Clementine Boulevard	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
1950	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.
1965	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.
1976	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.
1999	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.
2007	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.
2014	The Phase One property and Phase One study area appear similar to the 2007 aerial photograph.
2019	The Phase One property and Phase One study area appear similar to the 2014 aerial photograph.
2024	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 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 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).

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/).

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^3) where radon gas is present, and the annual radon concentration exceeds 200 Bq/m^3 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.

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.

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

- City of Ottawa, GeoOttawa online mapping tool, (maps.ottawa.ca/geoottawa).
- Dubreuil, L. and C. Woods, *Catalogue of Canadian Fire Insurance Plans, 1875 – 1975,* 2002.
- Environment Canada, *National Inventory of PCBs in Use and PCB Wastes in Storage in Canada*, 2003 Annual Report, 2004.
- Golder Associates Ltd., *Old Landfill Management Strategy, Phase 1, Identification of Sites, City of Ottawa, Ontario*, October 2004.
- Intera Technologies Ltd., *Inventory of Coal Gasification Plant Waste Sites in Ontario, Volume II*, April 1987.
- Natural Resources Canada, The Atlas of Canada – Toporama website (atlas.gc.ca/toporama/en/)
- Oil, Gas & Salt Resources Library, website (maps.ogsrlibrary.com/wells).
- Ontario Ministry of Energy, Northern Development and Mines, Bedrock Geology Application (www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth/bedrock-geology), March 19, 2018.
- Ontario Ministry of Energy, Northern Development and Mines, Surficial Geology Application (www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth/surficial-geology), May 23, 2017.
- Ontario Ministry of the Environment, Conservation and Parks, *Access Environment website (www.accessenvironment.ene.gov.on.ca).*
- Ontario Ministry of the Environment, Conservation and Parks, *Environmental Registry website (www.ebr.gov.on.ca/ERS-WEB-External).*
- Ontario Ministry of the Environment, Conservation and Parks, *Guide for Completing Phase One Environmental Site Assessments under Ontario Regulation 153/04*, June 2011.
- Ontario Ministry of the Environment, Conservation and Parks *Hazardous Waste Information Network website* (www.hwin.ca).
- Ontario Ministry of the Environment, Conservation and Parks, *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario*, November 1988.
- Ontario Ministry of the Environment, Conservation and Parks, *Ontario Inventory of PCB Storage Sites*, October 1995.
- Ontario Ministry of the Environment, Conservation and Parks, *Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act*, July 1, 2011.
- Ontario Ministry of the Environment, Conservation and Parks, Records of Site Condition website (www.lrcsde.lrc.gov.on.ca).
- Ontario Ministry of the Environment, Conservation and Parks, *Waste Disposal Site Inventory*, June 1991.
- Ontario Ministry of the Environment, Conservation and Parks, Water Wells website (www.ontario.ca/environment-and-energy/map-well-records water wells).
- 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).

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.

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

PROFESSIONAL GEOSCIENTIST
Christopher Thomas Kimmerly
PRACTISING MEMBER
0703
ONTARIO
Oct. 28/2024

Appendix A: Qualifications of Assessors

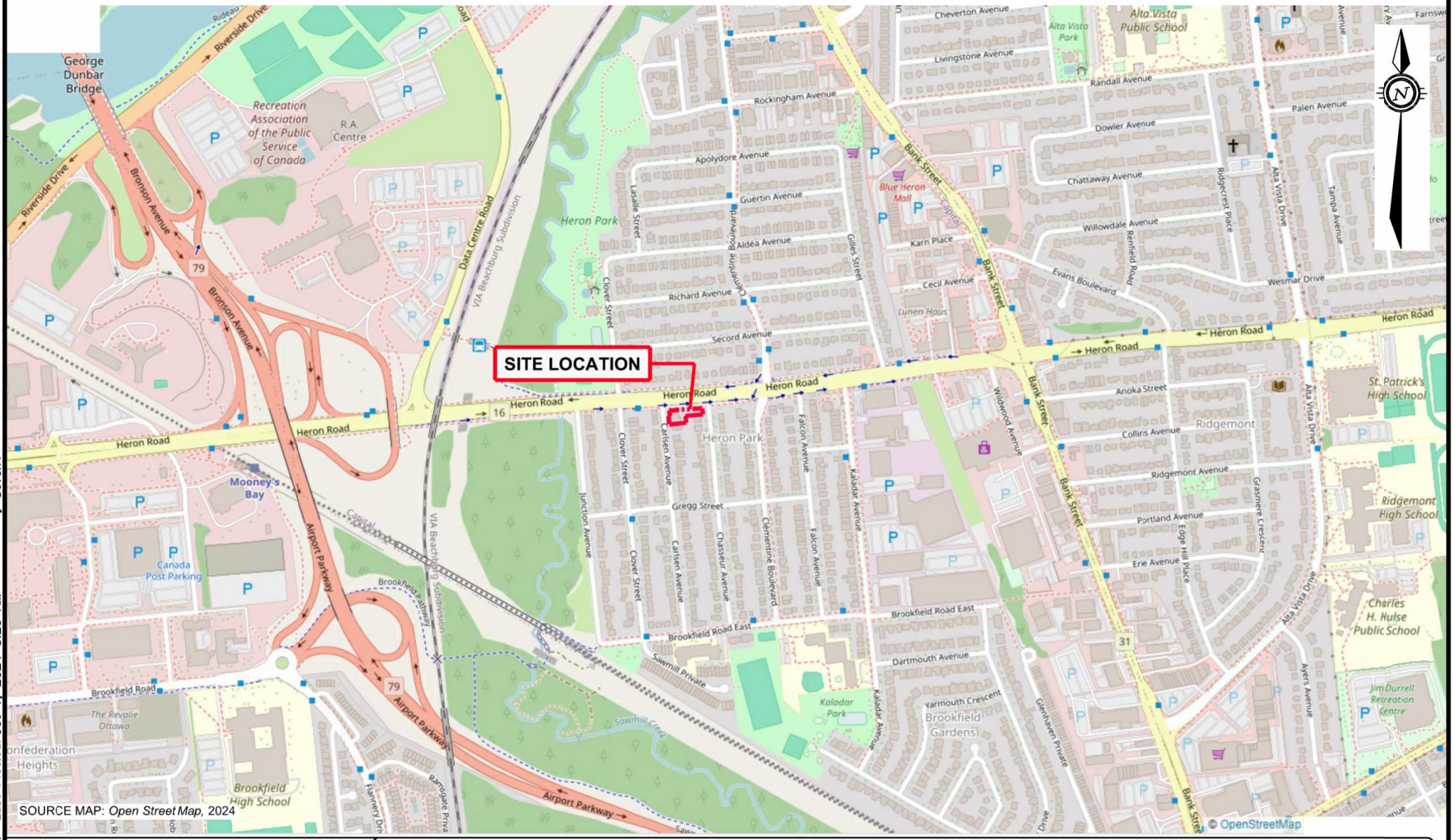
Qualifications of Assessors

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.

Appendix B: Figures



LEGEND

APPROXIMATE PROPERTY BOUNDARY

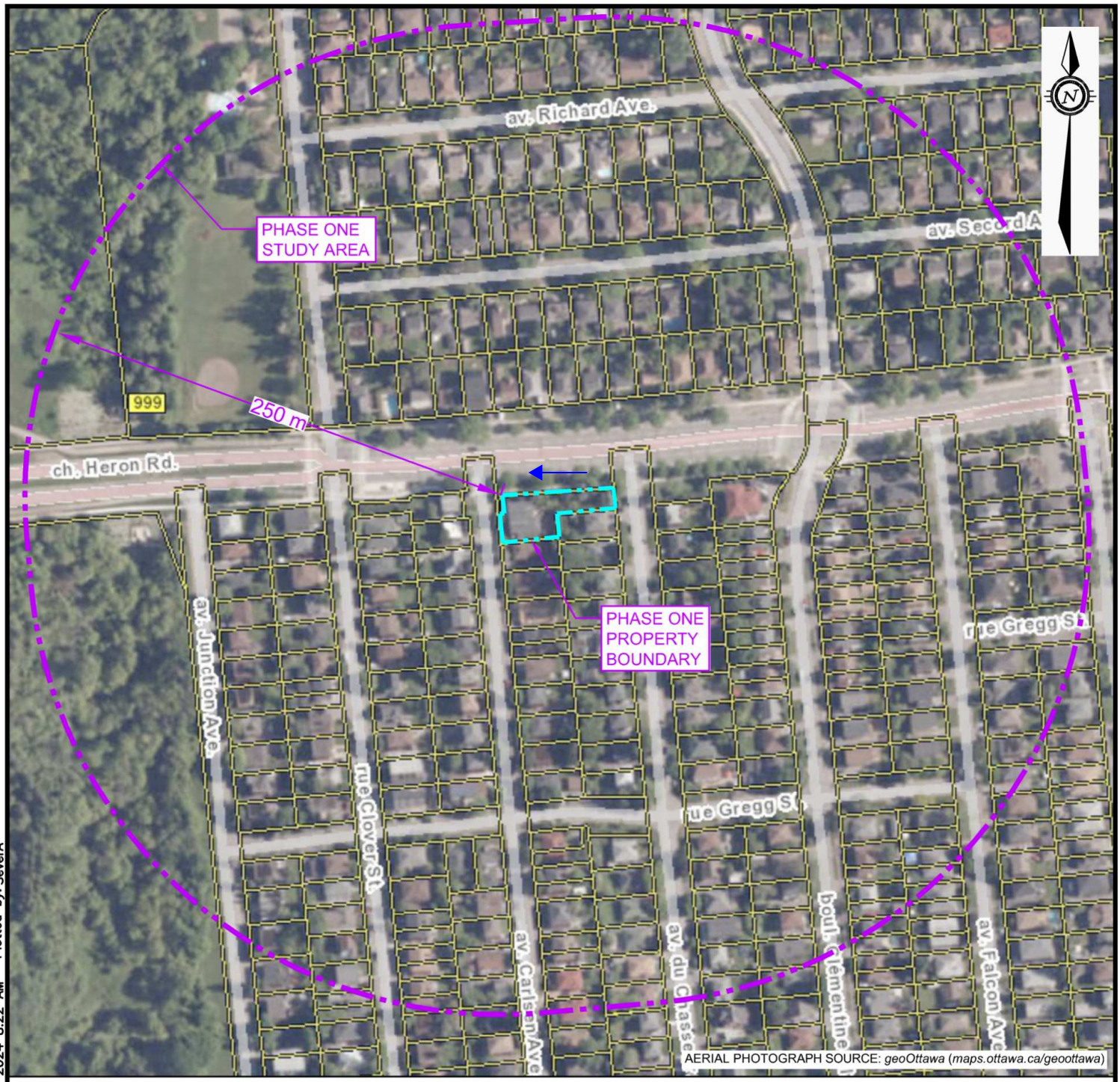
ORIGINAL SHEET SIZE = 11" X 8.5"

0 100m 200m 400m

HORIZONTAL 1:10,000

EXP Services Inc. 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



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

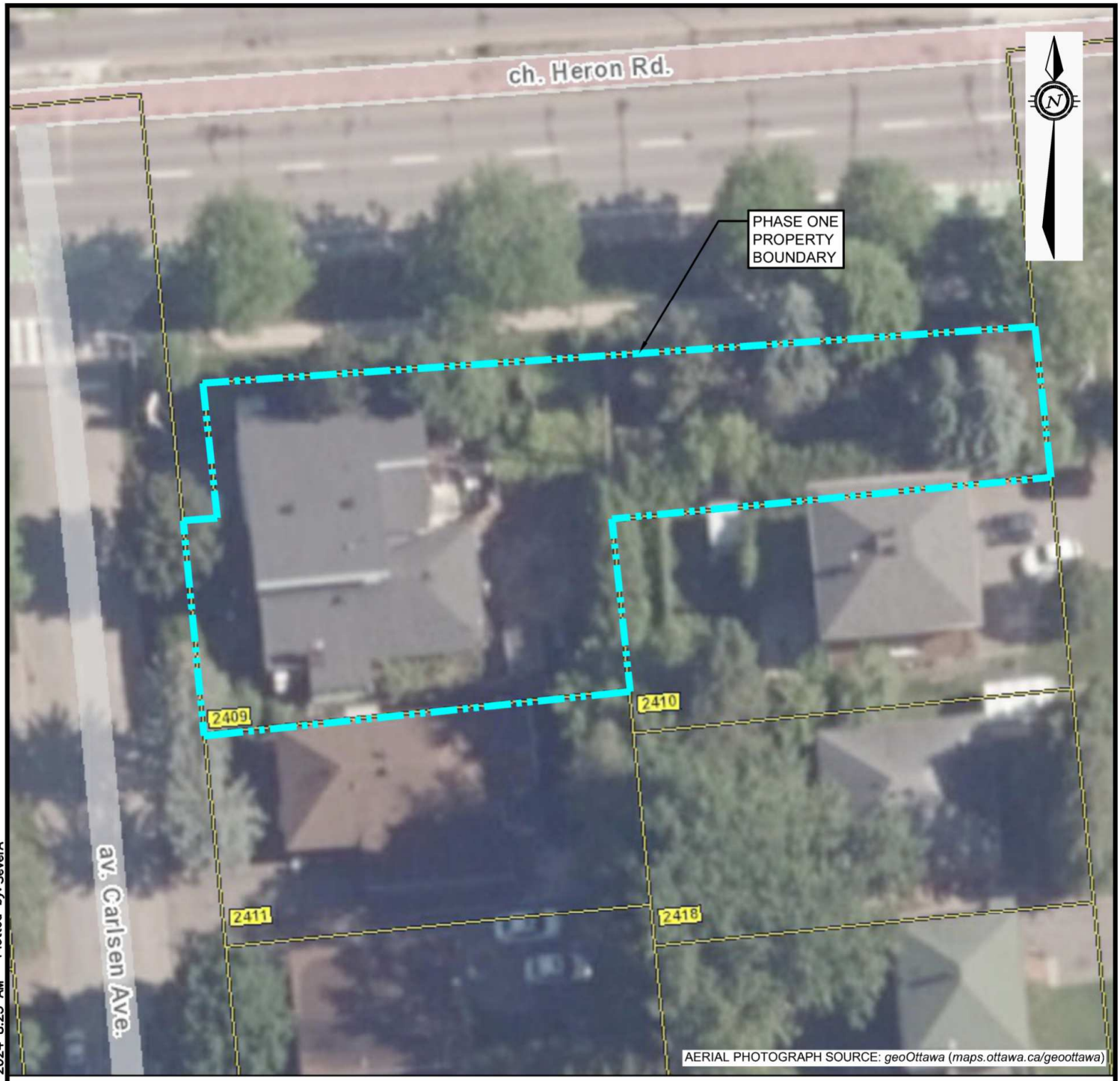
ORIGINAL SHEET SIZE = 8.5" X 11"

0 30m 60m 120m

HORIZONTAL 1:3,000

EXP Services Inc. 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	
	TITLE: PHASE ONE STUDY AREA	FIG 2



LEGEND

PROPERTY BOUNDARY

ORIGINAL SHEET SIZE = 8.5" X 11"

0 4m 8m 16m

HORIZONTAL 1:400

EXP Services Inc. 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

Filename: C:\Users\SeverA\OneDrive - EXP\Desktop\AntonSever\Work\TEMP\OTT-24002375-A0_2409-Carlsen-Ave\OTT-24002375-A0_Ph-1_2409-Carlsen-Ave.dwg
Last Saved: Sep 30, 2024 4:25 PM Last Plotted: Oct 1, 2024 8:23 AM Plotted by: SeverA

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

Ministry of the Environment, Conservation and Parks

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

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

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

Ontario

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.

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 | 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	

2023 AVE DU CHASSEUR

SOURCE: DIGITAL BUSINESS DIRECTORY

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 JACOBE**...*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*

2023 CARLSEN AVENUE

SOURCE: DIGITAL BUSINESS DIRECTORY

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*

2023 HERON ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

1035 **M BRISLINGER**...*RESIDENTIAL*
1039 **CLEMENTE MADDALENA**...*RESIDENTIAL*
1043 **N MRABET**...*RESIDENTIAL*
1047 **J FRASER**...*RESIDENTIAL*
1059 **ANDREW SAMUELS**...*RESIDENTIAL*
1059 **J GAREY**...*RESIDENTIAL*
1065 **J BAUMAN**...*RESIDENTIAL*
1069 **A MCPARTLAND**...*RESIDENTIAL*
1083 **TANNER WARD**...*RESIDENTIAL*
1087 **G DIPELINO**...*RESIDENTIAL*
1089 **S KACZMAREK**...*RESIDENTIAL*

2021 AVE DU CHASSEUR

SOURCE: DIGITAL BUSINESS DIRECTORY

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 Z EL**...*RESIDENTIAL*
2431 **G CHARLEBOIS**...*RESIDENTIAL*
2432 **W ROTHERY**...*RESIDENTIAL*
2442 **A CLARK**...*RESIDENTIAL*
2442 **JOE A MORRIS**...*RESIDENTIAL*
2446 **C KEALY**...*RESIDENTIAL*
2454 **RYAN JACOBE**...*RESIDENTIAL*
2459 **JOSEPH M DACCACHE**...*RESIDENTIAL*
2460 **A FASCETTO**...*RESIDENTIAL*
2461 **A SAIKALEY**...*RESIDENTIAL*
2461 **JOSEPH SAIKALEY**...*RESIDENTIAL*
2468 **M DEGIOVANNI**...*RESIDENTIAL*
2481 **D DIGIOSIA**...*RESIDENTIAL*
2481 **P NICHOLSON**...*RESIDENTIAL*
2486 **H WALLACE**...*RESIDENTIAL*
2489 **J PLACKEN**...*RESIDENTIAL*
2496 **S R POLKEY**...*RESIDENTIAL*
2497 **J EL-BOUCHI**...*RESIDENTIAL*
2499 **J NZAKAMULILO**...*RESIDENTIAL*
2503 **A BUENEMAN**...*RESIDENTIAL*

2021 CARLSEN AVENUE

SOURCE: DIGITAL BUSINESS DIRECTORY

2400 **J FAIRBAIRN**...*RESIDENTIAL*
2400 **M S PROULX**...*RESIDENTIAL*
2400 **M SMYTH**...*RESIDENTIAL*
2409 **BRAD JOHNSON**...*RESIDENTIAL*
2409 **CAM JOHNSON**...*RESIDENTIAL*
2409 **D JOHNSON**...*RESIDENTIAL*
2410 **S MCCLEAVE**...*RESIDENTIAL*
2411 **K L BEYERS**...*RESIDENTIAL*
2415 **J PUTINSKY**...*RESIDENTIAL*
2415 **N KEARNS**...*RESIDENTIAL*
2415 **T GAGNE**...*RESIDENTIAL*
2418 **S FEZZANI**...*RESIDENTIAL*
2419 **P S TESSIER**...*RESIDENTIAL*
2421 **ROBERT LANTOS**...*RESIDENTIAL*
2422 **J PATON**...*RESIDENTIAL*
2422 **L DELARGE**...*RESIDENTIAL*
2423 **BRENNAN ROBERT J CA**...*ACCOUNTANTS*
2423 **BRENNAN ROBERT J CA**...*ACCOUNTANTS-CERTIFIED-GENERAL*
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 P VANDELIGT**...*RESIDENTIAL*
2430 **E MORLEY**...*RESIDENTIAL*
2433 **B A TREMBLAY**...*RESIDENTIAL*
2434 **C CINANNI**...*RESIDENTIAL*
2434 **D BLACK**...*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 E RIVAS**...*RESIDENTIAL*
2484 **T DELONG**...*RESIDENTIAL*
2485 **C BORRIS**...*RESIDENTIAL*
2486 **K HAGSTROM**...*RESIDENTIAL*
2488 **J FAIRBAIRN-PARENT**...*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*
2503 **M BOULET**...*RESIDENTIAL*
2508 **C NOTLEY**...*RESIDENTIAL*
2508 **NICOLE FILIATRAULT**...*RESIDENTIAL*

2021 HERON ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

1035 **M BRISLINGER**...*RESIDENTIAL*
1039 **CLEMENTE MADDALENA**...*RESIDENTIAL*
1043 **N MRABET**...*RESIDENTIAL*
1047 **J W FRASER**...*RESIDENTIAL*
1059 **ANDREW SAMUELS**...*RESIDENTIAL*
1059 **J GAREY**...*RESIDENTIAL*
1065 **J BAUMAN**...*RESIDENTIAL*
1069 **A MCPARTLAND**...*RESIDENTIAL*
1083 **TANNER WARD**...*RESIDENTIAL*
1087 **G DIPELINO**...*RESIDENTIAL*
1089 **LENA LASCARIS**...*RESIDENTIAL*
1089 **S KACZMAREK**...*RESIDENTIAL*

2017 AVE DU CHASSEUR

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2017 CARLSEN AVENUE

SOURCE: DIGITAL BUSINESS DIRECTORY

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

2017 HERON ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2012 AVE DU CHASSEUR

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2012 CARLSEN AVENUE

SOURCE: DIGITAL BUSINESS DIRECTORY

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

2012 HERON ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2006 AVE DU CHASSEUR

SOURCE: VERNONS

all **ALL RESIDENTIAL**

2006 CARLSEN AVENUE

SOURCE: VERNONS

all **ALL RESIDENTIAL**

2006 HERON ROAD

SOURCE: VERNONS

1030-1090	**ALL RESIDENTIAL**

2000 AVE DU CHASSEUR

SOURCE: POLKS

all	**ALL RESIDENTIAL**

2000 CARLSEN AVENUE

SOURCE: POLKS

all	**ALL RESIDENTIAL**
2503	**GEORGE NAIM**

2000 HERON ROAD

SOURCE: POLKS

1030-1090	**ALL RESIDENTIAL**

1994 AVE DU CHASSEUR

SOURCE: POLKS

all **ALL RESIDENTIAL**

1994 CARLSEN AVENUE

SOURCE: POLKS

all **ALL RESIDENTIAL**

1994 HERON ROAD

SOURCE: POLKS

1030-1090	**ALL RESIDENTIAL**

1987 AVE DU CHASSEUR

SOURCE: MIGHTS

all	**ALL RESIDENTIAL**

1987 CARLSEN AVENUE

SOURCE: MIGHTS

all	**ALL RESIDENTIAL**

1987 HERON ROAD

SOURCE: MIGHTS

1030-1090	**ALL RESIDENTIAL**

1982 AVE DU CHASSEUR

SOURCE: MIGHTS

All **ALL RESIDENTIAL**

1982 CARLSEN AVENUE

SOURCE: MIGHTS

All **ALL RESIDENTIAL**

1982 HERON ROAD

SOURCE: MIGHTS

1030-1090	**ALL RESIDENTIAL**

1976 AVE DU CHASSEUR

SOURCE: MIGHTS

all	**ALL RESIDENTIAL**

1976 CARLSEN AVENUE

SOURCE: MIGHTS

all	**ALL RESIDENTIAL**

1976 HERON ROAD

SOURCE: MIGHTS

1030-1090	**ALL RESIDENTIAL**

1971 AVE DU CHASSEUR

SOURCE: MIGHTS

all **ALL RESIDENTIAL**

1971 CARLSEN AVENUE

SOURCE: MIGHTS

all **ALL RESIDENTIAL**

1971 HERON ROAD

SOURCE: MIGHTS

1060	**MAYO ELECTRIC OTTAWA LTD**
1030-1090	**ALL RESIDENTIAL**

1966 AVE DU CHASSEUR

SOURCE: MIGHTS

all	**ALL RESIDENTIAL**

1966 CARLSEN AVENUE

SOURCE: MIGHTS

all	**ALL RESIDENTIAL**
2469	**CAPITAL PAINTERS & DECORATORS**

1966 HERON ROAD

SOURCE: MIGHTS

1030-1090	**ALL RESIDENTIAL**

1960 AVE DU CHASSEUR

SOURCE: MIGHTS

all **ALL RESIDENTIAL**

1960 CARLSEN AVENUE

SOURCE: MIGHTS

all **ALL RESIDENTIAL**

1960 HERON ROAD

SOURCE: MIGHTS

1030-1090	**ALL RESIDENTIAL**

1955 AVE DU CHASSEUR

SOURCE: MIGHTS

all	**ALL RESIDENTIAL**

1955 CARLSEN AVENUE

SOURCE: MIGHTS

all	**ALL RESIDENTIAL**

1955 HERON ROAD

SOURCE: MIGHTS

1030-1090	**ALL RESIDENTIAL**

1950 AVE DU CHASSEUR

SOURCE: MIGHTS

all **STREET NOT LISTED**

1950 CARLSEN AVENUE

SOURCE: MIGHTS

all **STREET NOT LISTED**

1950 HERON ROAD

SOURCE: MIGHTS

1030-1090 **NO LISTINGS WITHIN RADIUS**

Appendix D: EcoLog ERIS Report

DATABASE REPORT

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

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*Phase 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

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

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

Database	Name	Searched	Project Property	Within 0.25 km	Total
Total:		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

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

Executive Summary: Site Report Summary - Surrounding Properties

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

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

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

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

Executive Summary: Summary By Data Source

BORE - Borehole

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	ENE	190.86	14
	ON	ENE	220.59	24

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	W	80.41	2
	ON	N	188.42	13
	ON	WSW	230.25	29
	ON	N	239.34	34

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.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	21471798 - Heron Rd Culvert Ottawa ON K1V 8G8	W	203.90	17

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.

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

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.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	1071 HERON ROAD OTTAWA ON K1V 6B9	NE	82.25	3
	1060 SECORD AVENUE OTTAWA ON K1H 8C8	N	102.06	5
	1076 RICHARD AVENUE OTTAWA ON	NNE	196.85	15

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.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	1079 Secord Avenue, Ottawa ON	NNE	168.41	9

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.

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

Lower Elevation	Address	Direction	Distance (m)	Map Key
ENBRIDGE GAS INC	1043 HERON RD,,OTTAWA,ON,K1V 6B9,CA ON	NNW	71.64	1
FOUNDATION WORKS	1071 HERON RD,,OTTAWA,ON,K1V 6B9,CA ON	NE	82.25	3

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.

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

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

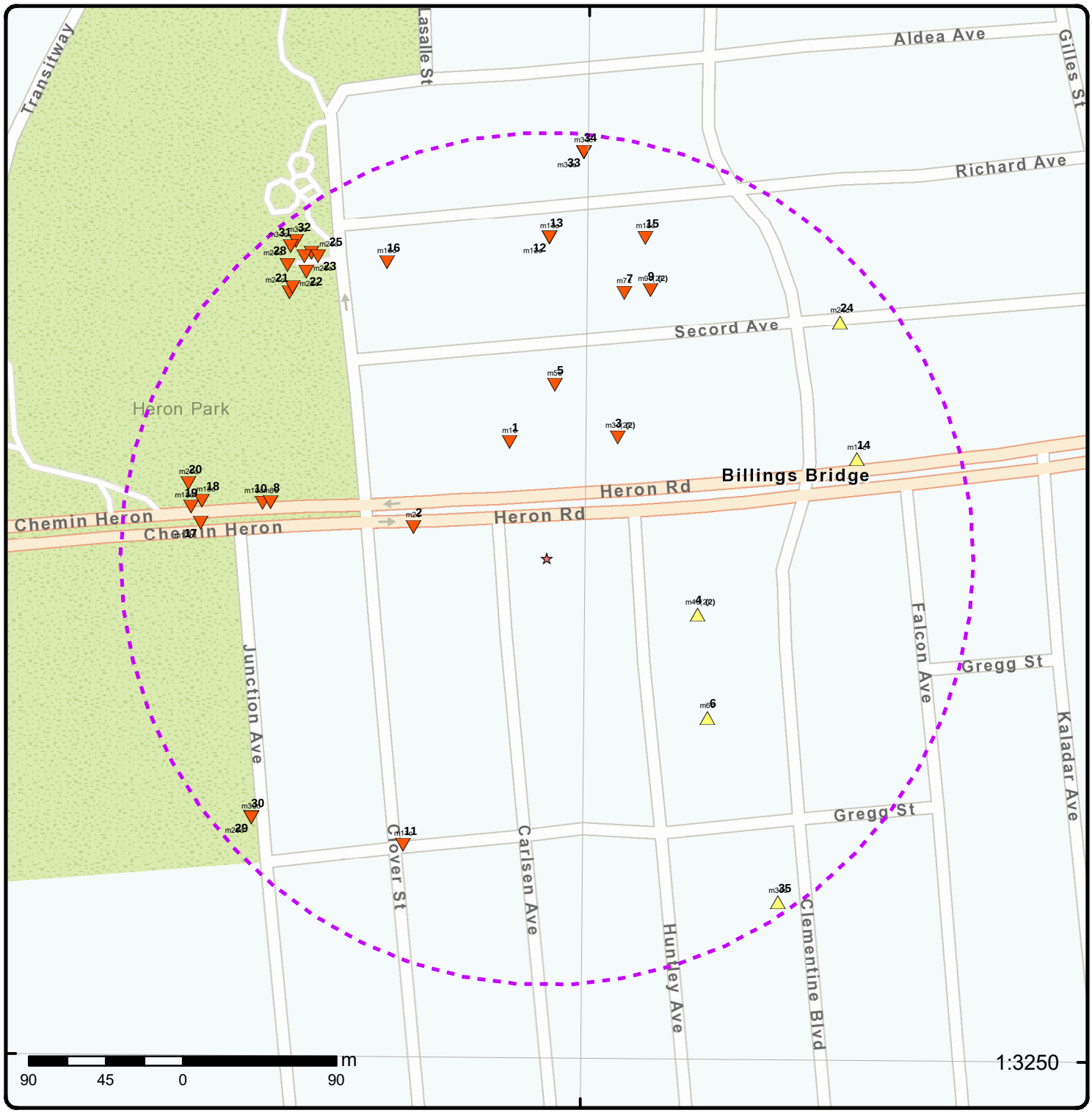
Eastview Fuels<UNOFFICIAL>	Clover St and Gregg St Ottawa ON	SW	187.74	11
SNC-Lavalin Inc.	947 Heron Road Ottawa ON	W	210.48	19

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.

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

Well ID: 7245123			
999 HERON ROAD Ottawa ON ***Well ID:*** 7245126	NW	229.68	**28**
ON ***Well ID:*** 1508270	WSW	230.36	**30**
999 HERON ROAD Ottawa ON ***Well ID:*** 7245129	NW	236.77	**31**
999 HERON ROAD Ottawa ON ***Well ID:*** 7245128	NW	237.22	**32**
ON ***Well ID:*** 1508753	N	239.20	**33**



Map: 0.25 Kilometer Radius

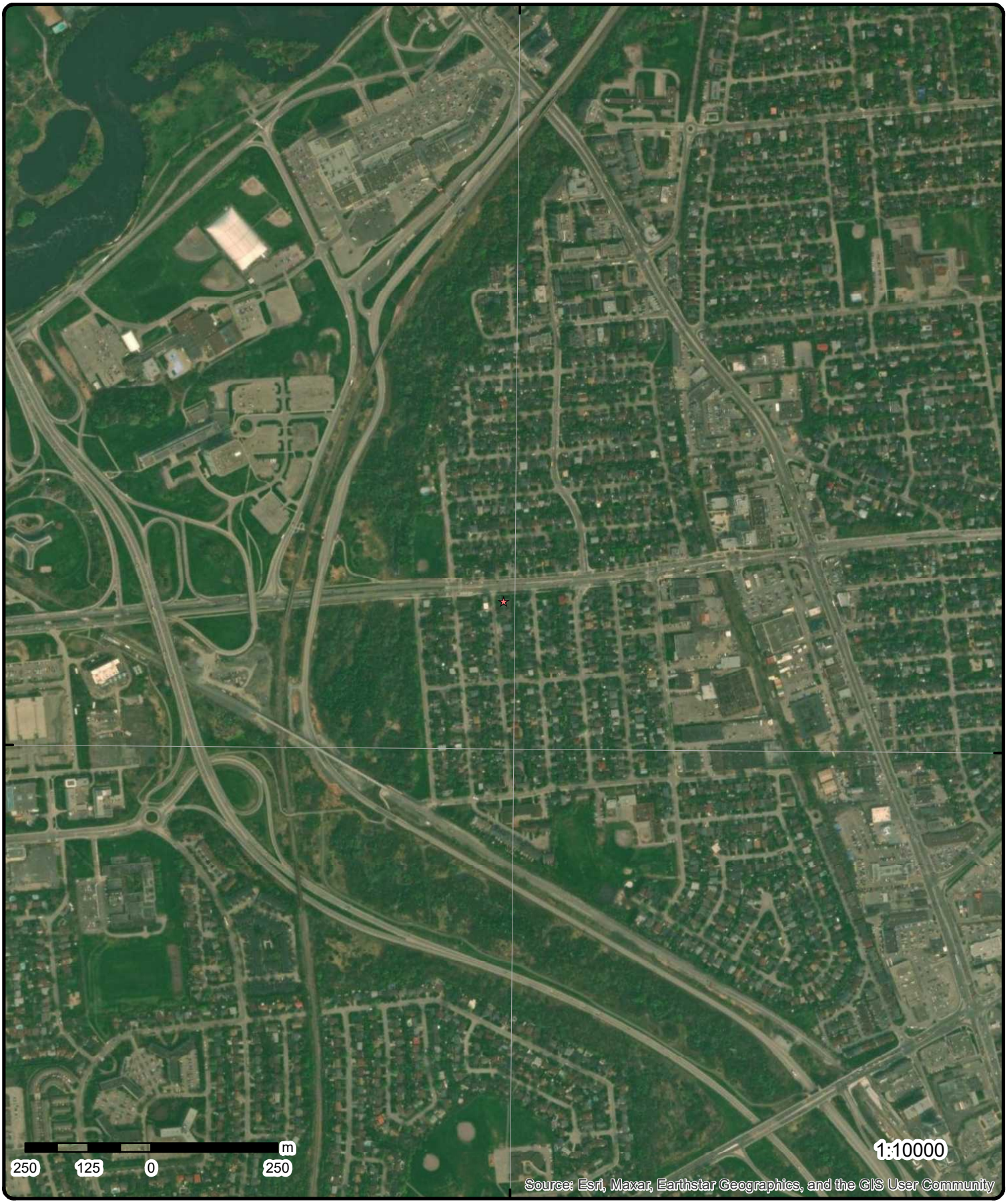
Order Number: 24091800011

Address: 2409 Carlsen Avenue, Ottawa, ON

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

75°40'30"W

45°22'30"N



45°22'30"N

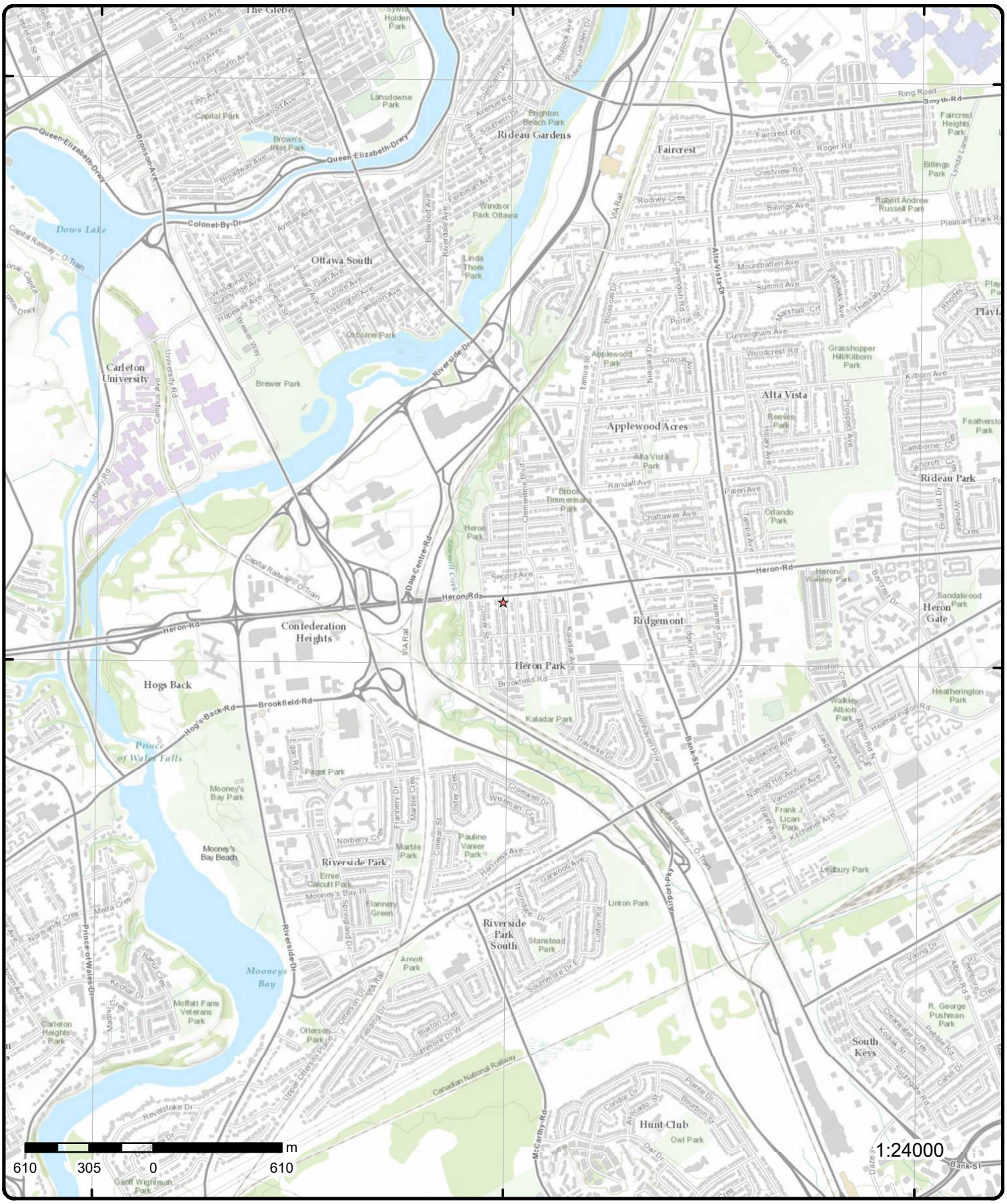
Aerial

Year: 2023

Order Number: 24091800011

Address: 2409 Carlsen Avenue, Ottawa, ON

Source: ESRI World Imagery



Topographic Map

Address: 2409 Carlsen Avenue, ON

Source: ESRI World Topographic Map

Order Number: 24091800011

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	NNW/71.6	75.1 / -3.33	ENBRIDGE GAS INC 1043 HERON RD,,OTTAWA,ON,K1V 6B9,CA ON	PINC

Incident Id:		**Pipe Material:**	
Incident No:	2499704	**Fuel Category:**	
Incident Reported Dt:	2/6/2019	**Health Impact:**	
Type:	FS-Pipeline Incident	**Environment Impact:**	
Status Code:		**Property Damage:**	
Tank Status:	Pipeline Damage Reason Est	**Service Interrupt:**	
Task No:		**Enforce Policy:**	
Spills Action Centre:		**Public Relation:**	
Fuel Type:		**Pipeline System:**	
Fuel Occurrence Tp:		**PSIG:**	
Date of Occurrence:		**Attribute Category:**	
Occurrence Start Dt:		**Regulator Location:**	
Depth:		**Method Details:**	
Customer Acct Name:	ENBRIDGE GAS INC		
Incident Address:	1043 HERON RD,,OTTAWA,ON,K1V 6B9,CA		
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:			
Reported By:			
Affiliation:			
Occurrence Desc:			
Damage Reason:			
Notes:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	W/80.4	73.9 / -4.54	ON	BORE

Borehole ID:	612819	**Inclin FLG:**	No
OGF ID:	215514125	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	SEP-1971	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.377793
Total Depth m:	2.4	**Longitude DD:**	-75.676274
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	447051
Drill Method:		**Northing:**	5025142
Orig Ground Elev m:	75.7	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	76.5		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218392616	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	.6	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:		***Geologic Formation:***	
Material 2:	Fill	***Geologic Group:***	
Material 3:	Sand	***Geologic Period:***	
Material 4:	Gravel	***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	ARTIFICIAL.		

Geology Stratum ID:	218392617	***Mat Consistency:***	Soft
Top Depth:	.6	***Material Moisture:***	
Bottom Depth:	2.4	***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Silt	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	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.		

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies
Confidence:	H	***Horizontal:***	NAD27
Observatio:		***Verticalda:***	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 053270 NTS_Sheet: 31G05G		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

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

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3 ***1 of 2*** ***NE/82.3*** ***77.0 / -1.38*** ***1071 HERON ROAD OTTAWA ON K1V 6B9*** ***HINC***

External File Num:	FS INC 0701-00125
Fuel Occurrence Type:	Leak
Date of Occurrence:	1/9/2007
Fuel Type Involved:	Fuel Oil
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Private Dwelling
Service Interruptions:	No
Property Damage:	No
Fuel Life Cycle Stage:	Utilization
Root Cause:	Root Cause: Equipment/Material/Component:Yes Procedures:No Maintenance:No Design:No Training:No Management:No Human Factors:No
Reported Details:	
Fuel Category:	Liquid Fuel
Occurrence Type:	Near-miss

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

Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Ottawa
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

---

3 | **2 of 2** | **NE/82.3** | **77.0 / -1.38** | **FOUNDATION WORKS**
1071 HERON RD,,OTTAWA,ON,K1V 6B9,CA
ON | **PINC**

Incident Id:
Incident No: 1433026
Incident Reported Dt: 7/10/2014
Type: FS-Pipeline Incident
Status Code:
Tank Status: Pipeline Damage Reason Est
Task No:
Spills Action Centre:
Fuel Type:
Fuel Occurrence Tp:
Date of Occurrence:
Occurrence Start Dt:
Depth:
Customer Acct Name: FOUNDATION WORKS
Incident Address: 1071 HERON RD,,OTTAWA,ON,K1V 6B9,CA
Operation Type:
Pipeline Type:
Regulator Type:
Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:

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

---

4 | **1 of 2** | **ESE/94.3** | **79.9 / 1.45** | **Enbridge Gas Distribution Inc.**
2419 Huntsley Ave
Ottawa ON | **SPL**

Ref No: 6433-ASNP2C
Year:
Incident Dt: 2017/10/31
Dt MOE Arvl on Scn:
MOE Reported Dt: 2017/10/31
Dt Document Closed: 2017/12/16
Site No: NA
MOE Response: No
Site County/District:
Site Geo Ref Meth:
Site District Office: Ottawa
Nearest Watercourse:
Site Name: Residential<UNOFFICIAL>
Site Address: 2419 Huntsley Ave
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health: 2 - Minor Environment
Agency Involved:

Easting:
Incident Cause:
Incident Preceding Spill: Leak/Break
Environment Impact:
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: Corporation
Source Type: Valve/Fitting/Piping
Contaminant Code: 35
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1: 1075
Receiving Medium: Air
Incident Reason: Operator/Human Error
Incident Summary: TSSA 1/2 inch plastic IP, made safe
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Miscellaneous Communal
SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Call Report Locatn Geodata:
Time Reported:
System Facility Address:
Client Name: Enbridge Gas Distribution Inc.

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4 | ***2 of 2*** | ***ESE/94.3*** | ***79.9 / 1.45*** | ***PIPELINE HIT 0.5"***
2419 HUNTLEY AVE,,OTTAWA,ON,K1V 8E5,CA
ON | ***PINC***

Incident Id:
Incident No: 2183576
Incident Reported Dt: 11/1/2017
Type: FS-Pipeline Incident
Status Code:
Tank Status: Pipeline Damage Reason Est
Task No:
Spills Action Centre:
Fuel Type:
Fuel Occurrence Tp:
Date of Occurrence:
Occurrence Start Dt:
Depth:
Customer Acct Name: PIPELINE HIT 0.5"
Incident Address: 2419 HUNTLEY AVE,,OTTAWA,ON,K1V 8E5,CA
Operation Type:
Pipeline Type:
Regulator Type:
Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:
Pipe Material:
Fuel Category:
Health Impact:
Environment Impact:
Property Damage:
Service Interrupt:
Enforce Policy:
Public Relation:
Pipeline System:
PSIG:
Attribute Category:
Regulator Location:
Method Details:

---

5 | ***1 of 1*** | ***N/102.1*** | ***76.2 / -2.24*** | ***1060 SECORD AVENUE***
OTTAWA ON K1H 8C8 | ***HINC***

External File Num: FS INC 0707-03550

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

Fuel Occurrence Type:
Date of Occurrence:
Fuel Type Involved:
Status Desc: Completed - No Action Required
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:
Service Interruptions:
Property Damage:
Fuel Life Cycle Stage:
Root Cause:
Reported Details:
Fuel Category: Unknown
Occurrence Type: Near-miss
Affiliation: Emergency Services (Fire, Police,etc)
County Name: Ottawa
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

6	*1 of 1*	*SE/132.5*	*79.8 / 1.37*	***ENBRIDGE GAS INC*** ***2435 CHASSEUR AVE,,OTTAWA,ON,K1V 8E5,CA*** ***ON***	***PINC***

Incident Id:
Incident No: 2956418
Incident Reported Dt: 11/6/2020
Type: FS-Pipeline Incident
Status Code:
Tank Status: Pipeline Damage Reason Est
Task No:
Spills Action Centre:
Fuel Type:
Fuel Occurrence Tp:
Date of Occurrence:
Occurrence Start Dt:
Depth:
Customer Acct Name: ENBRIDGE GAS INC
Incident Address: 2435 CHASSEUR AVE,,OTTAWA,ON,K1V 8E5,CA
Operation Type:
Pipeline Type:
Regulator Type:
Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:
Pipe Material:
Fuel Category:
Health Impact:
Environment Impact:
Property Damage:
Service Interrupt:
Enforce Policy:
Public Relation:
Pipeline System:
PSIG:
Attribute Category:
Regulator Location:
Method Details:

7	*1 of 1*	*NNE/162.4*	*76.2 / -2.24*	***CHEMLAWN*** ***1077 SECORD ST. TANK TRUCK (CARGO)*** ***OTTAWA CITY ON K1H 8C7***	***SPL***

Ref No: 24787
Year:
Incident Dt: 7/13/1989
Dt MOE Arvl on Scn:
MOE Reported Dt: 7/13/1989
Dt Document Closed:
Site No:
MOE Response:
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

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: NOT ANTICIPATED
Health Env Consequence:
Nature of Impact:
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: CHEMLAWN TRUCK-50 L HERBICIDE/FERTILIZER 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:

8	***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***

Generator No: ON7998246
SIC Code:
SIC Description:
Approval Years: As of Oct 2022
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 221 L

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

Waste Class Name: LIGHT FUELS

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9 **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
Year:
Incident Dt: 9/29/2011
Dt MOE Arvl on Scn:
MOE Reported Dt: 10/6/2011
Dt Document Closed: 11/22/2011
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>

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9 **2 of 2** **NNE/168.4** **76.2 / -2.24** **1079 Secord Avenue, Ottawa ON**
INC

Incident No: 670284
Incident ID: 2827106
Instance No:
Status Code: Reopen
Any Health Impact: No
Any Enviro Impact: Unknown
Service Intrp: Yes
Was Prop Damaged: No

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

Incident Status:		**Reside App. Type:**	
Incident Severity:		**Commer App. Type:**	
Task No:	3503369	**Indus App. Type:**	
Attribute Category:	FS-Perform L1 Incident Insp	**Institut App. Type:**	
Context:		**Depth Ground Cover:**	
Date of Occurrence:	2011/09/29 00:00:00	**Operation Pressure:**	
Time of Occurrence:	00:00:00	**Equipment Type:**	
Occr Insp Start Dt:	2011/09/29 00:00:00	**Equipment Model:**	
Incident Creat On:		**Serial No:**	
Instance Creat Dt:		**Cylinder Capacity:**	
Instance Install Dt:		**Cylinder Cap Units:**	
Approx Quant Rel:	unknown	**Cylinder Mat Type:**	
Tank Capacity:		**Pump Flow Rate Cap:**	
Fuels Occur Type:	Leak	**Contam. Migrated:**	Unknown
Occur Type Rpt:		**Near Body of Water:**	No
Occur Category:		**Drainage System:**	Unknown
Fuel Type Involved:	Fuel Oil	**Sub Surface Contam:**	unknown
Fuel Type Reported:		**Tank Material Type:**	
Enforcement Policy:	NULL	**Tank Storage Type:**	
Prc Escalation Req:	NULL	**Tank Location Type:**	
Item:			
Item Description:			
Device Installed Location:			
Venting Type:			
Vent Conn Mater:			
Vent Chimney Mater:			
Pipeline Type:			
Pipeline Involved:			
Pipe Material:			
Regulator Location:			
Regulator Type:			
Liquid Prop Make:			
Liquid Prop Model:			
Liquid Prop Serial No:			
Liquid Prop Notes:			
Inventory Address:	1079 Secord Avenue, Ottawa - Leak		
Invent Postal Code:			
Notes:			
Contact Natural Env:	Yes		
Aff Prop Use Water:	No		
Occurence Narrative:	Leak of fuel oil from AGT.		
Operation Type Involved:	Private Dwelling		

---

10 | **1 of 1** | **W/169.7** | **69.5 / -8.90** | **979 HERON RD ON** | **WWIS**

Well ID:	1535115	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Observation Wells	**Date Received:**	10/28/2004
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z19302	**Contractor:**	1844
Tag:	A011970	**Form Version:**	3
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:

Bore Hole Information

Bore Hole ID: 11172867
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/06/2004
Remarks:
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:

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Plug ID: 933253283
Layer: 1
Plug From: 1.2000000476837158

Plug To: 1.5
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 961535115
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11181386
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Screen

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

Hole Diameter

Hole ID: 11306038
Diameter: 20.0
Depth From: 0.0
Depth To: 10.0
Hole Depth UOM: m
Hole Diameter UOM: cm

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11 | **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
Year:
Incident Dt: 1/27/2004
Dt MOE Arvl on Scn:
MOE Reported Dt: 1/27/2004
Dt Document Closed:

Municipality No:
Nature of Damage:
Discharger Report:
Material Group: Oil
Impact to Health:
Agency Involved:

Site No:	
MOE Response:	
Site County/District:	
Site Geo Ref Meth:	
Site District Office:	Ottawa
Nearest Watercourse:	
Site Name:	FUEL SPILL<UNOFFICIAL>
Site Address:	
Site Region:	Eastern
Site Municipality:	Ottawa
Site Lot:	
Site Conc:	
Site Geo Ref Accu:	
Site Map Datum:	
Northing:	
Easting:	
Incident Cause:	
Incident Preceding Spill:	
Environment Impact:	Possible
Health Env Consequence:	
Nature of Impact:	
Contaminant Qty:	
Contaminant Qty 1:	
Contaminant Unit:	
Client Type:	
Source Type:	
Contaminant Code:	13
Contaminant Name:	FURNACE OIL
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	Land
Incident Reason:	
Incident Summary:	Spill: 50-100l Furnace oil@Clover and Gregg
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:	Eastview Fuels<UNOFFICIAL>

12 | ***1 of 1*** | ***N/188.2*** | ***74.9 / -3.49*** | ***ON*** | ***WWIS***

Well ID:	1508752	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Abandoned-Supply	**Date Received:**	03/13/1951
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1802
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\1508752.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID:	10030786	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	447130.70
Code OB Desc:		***North83:***	5025312.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	11/15/1950	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9

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:

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

Formation ID: 931010504
Layer: 2
Color:
General Color:
Material 1: 17
Material 1 Desc: SHALE

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

Method of Construction & Well Use

Method Construction ID:	961508752
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10579356
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Casing

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

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13 | ***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

Drill Method:		**Northing:**	5025312
Orig Ground Elev m:	77.7	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	76.8		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218392681	**Mat Consistency:**	Compact
Top Depth:	12.2	**Material Moisture:**	
Bottom Depth:	45.7	**Material Texture:**	
Material Color:	Red	**Non Geo Mat Type:**	
Material 1:	Shale	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	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.		

Geology Stratum ID:	218392680	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	12.2	**Material Texture:**	
Material Color:	Brown	**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. BROWN.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 05349 NTS_Sheet:		
Confiden 1:			

Source List

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

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14 ***1 of 1*** ***ENE/190.9*** ***79.8 / 1.42*** ***ON*** ***BORE***

Borehole ID:	612823	**Inclin FLG:**	No
OGF ID:	215514129	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	

Completion Date:		**Municipality:**	
Static Water Level:	1.5	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.378172
Total Depth m:	-999	**Longitude DD:**	-75.672958
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	447311
Drill Method:		**Northing:**	5025182
Orig Ground Elev m:	83.8	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	84.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218392635	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	9.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY.		

Geology Stratum ID:	218392636	**Mat Consistency:**	Firm
Top Depth:	9.4	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Shale	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK. WATER STABLE AT 270.0 FEET.GRAVEL. SAND. FIRM, WATER STABLE AT 215.3 FEET.SAND.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 053310 NTS_Sheet: 31G05G		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
15	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

External File Num: FS INC 0810-05970
Fuel Occurrence Type: Leak
Date of Occurrence: 10/7/2008
Fuel Type Involved: Fuel Oil
Status Desc: Completed - No Action Required
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Private Dwelling
Service Interruptions: No
Property Damage: No
Fuel Life Cycle Stage: Utilization
Root Cause:
Reported Details:
Fuel Category: Liquid Fuel
Occurrence Type: Incident
Affiliation: Safety Authorities (MOL, ESA, Insurers, etc.)
County Name: Ottawa
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

16	*1 of 1*	*NW/197.4*	*71.9 / -6.51*	***Thurber Engineering Ltd.*** ***1561 Clover Street*** ***Ottawa ON K1H 8H6***	*GEN*

Generator No: ON6789737
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 146 T
Waste Class Name: Other specified inorganic sludges, slurries or solids

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17	*1 of 1*	*W/203.9*	*64.9 / -13.54*	***21471798 - Heron Rd Culvert*** ***Ottawa ON K1V 8G8***	*EHS*

Order No: 21072700588
Status: C
Report Type: Standard Report
Report Date: 30-JUL-21
Date Received: 27-JUL-21
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.6778649
Y: 45.3778073

18	*1 of 1*	*W/204.9*	*64.9 / -13.54*	***OC Transpo - City of Ottawa*** ***957 Heron Road*** ***Ottawa ON***	*GEN*

Generator No:	ON2936180
SIC Code:	485110
SIC Description:	Urban Transit Systems
Approval Years:	2012
PO Box No:	
Country:	
Status:	
Co Admin:	
Choice of Contact:	
Phone No Admin:	
Contaminated Facility:	
MHSW Facility:	

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19 | **1 of 1** | **W/210.5** | **64.9 / -13.54** | **SNC-Lavalin Inc.**
947 Heron Road
Ottawa ON | **SPL**

Ref No:	5838-BU7SGF	**Municipality No:**	
Year:		**Nature of Damage:**	
Incident Dt:	10/8/2020	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	10/8/2020	**Impact to Health:**	2 - Minor Environment
Dt Document Closed:	2/8/2021	**Agency Involved:**	

Site No:	NA
MOE Response:	No
Site County/District:	
Site Geo Ref Meth:	
Site District Office:	Ottawa
Nearest Watercourse:	
Site Name:	construction site<UNOFFICIAL>
Site Address:	947 Heron Road
Site Region:	Eastern
Site Municipality:	Ottawa
Site Lot:	
Site Conc:	
Site Geo Ref Accu:	
Site Map Datum:	
Northing:	5025157.18
Easting:	446921.06
Incident Cause:	
Incident Preceding Spill:	Leak/Break
Environment Impact:	
Health Env Consequence:	
Nature of Impact:	
Contaminant Qty:	3 L
Contaminant Qty 1:	3
Contaminant Unit:	L
Client Type:	Corporation
Source Type:	Valve/Fitting/Piping
Contaminant Code:	15
Contaminant Name:	HYDRAULIC OIL
Contaminant Limit 1:	0
Contam Limit Freq 1:	none
Contaminant UN No 1:	n/a
Receiving Medium:	Land
Incident Reason:	Equipment Failure
Incident Summary:	SNC Lavalin ~ 3L hyd oil to ground, cntnd & clnd
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	Miscellaneous Industrial
SAC Action Class:	Land Spills
Call Report Locatn Geodata:	
Time Reported:	
System Facility Address:	

Client Name: SNC-Lavalin Inc.

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20 | **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

Additional Detail(s) (Map)

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

Bore Hole Information

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:			

Annular Space/Abandonment Sealing Record

Plug ID: 1004526130
Layer: 1
Plug From: 0.0
Plug To: 34.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1004526129
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 1004526121
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004526125
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1004526126
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1004526124
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1004526123
Diameter: 6.0
Depth From: 0.0
Depth To: 34.0
Hole Depth UOM: ft

Hole Diameter UOM: inch

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21 | **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): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/726\7263713.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

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:

Overburden and Bedrock Materials Interval

Formation ID: 1006127957

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Plug ID:	1006127968
Layer:	1
Plug From:	0.0
Plug To:	0.3100000023841858
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1006127967
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1006127956
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006127963
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	0.9100000262260437
Casing Diameter:	4.03000020980835
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1006127964
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

Water Details

Water ID:	1006127962
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1006127961
Diameter:	8.25
Depth From:	0.0
Depth To:	3.9600000381469727
Hole Depth UOM:	m
Hole Diameter UOM:	cm

22 **1 of 1** **NW/218.0** **70.2 / -8.24** **999 CLOVER ST Ottawa ON** **WWIS**

Well ID:	7263714	**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:	Z222209	**Contractor:**	7241
Tag:	A164348	**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/726\7263714.pdf

Additional Detail(s) (Map)

Well Completed Date:	05/02/2016
Year Completed:	2016
Depth (m):	3.96
Latitude:	45.3790547132789
Longitude:	-75.6771922139826
X:	-75.67719205261479
Y:	45.379054706324425
Path:	726\7263714.pdf

Bore Hole Information

Bore Hole ID:	1006020670	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	446980.00
Code OB Desc:		**North83:**	5025283.00
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:			

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

Formation ID:	1006128099
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	06
Material 1 Desc:	SILT
Material 2:	05
Material 2 Desc:	CLAY

Material 3: 85
Material 3 Desc: SOFT
Formation Top Depth: 0.3100000023841858
Formation End Depth: 2.130000114440918
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006128109
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006128111
Layer: 3
Plug From: 0.9100000262260437
Plug To: 3.9600000381469727
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006128110
Layer: 2
Plug From: 0.3100000023841858
Plug To: 0.9100000262260437
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1006128108
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1006128097
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006128104
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 0.9100000262260437
Casing Diameter: 4.03000020980835
Casing Diameter UOM: cm
Casing Depth UOM: m

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

Construction Record - Screen

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

Water Details

Water ID:	1006128103
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1006128102
Diameter:	8.25
Depth From:	0.0
Depth To:	3.9600000381469727
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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23 ***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

Additional Detail(s) (Map)

Well Completed Date:	06/24/2015
Year Completed:	2015
Depth (m):	2.7432
Latitude:	45.3791363252908

Longitude: -75.6770910088937
X: -75.67709084754317
Y: 45.379136318299885
Path: 724\7245125.pdf

Bore Hole Information

Bore Hole ID: 1005499683
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/24/2015
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 446988.00
North83: 5025292.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

Formation ID: 1005562792

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:	9.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005562801
Layer:	2
Plug From:	1.0
Plug To:	3.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005562800
Layer:	1
Plug From:	0.0
Plug To:	1.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005562802
Layer:	3
Plug From:	3.0
Plug To:	9.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1005562799
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1005562789
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005562795
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC

Depth From:	0.0
Depth To:	4.0
Casing Diameter:	1.3600000143051147
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

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

Water Details

Water ID:	1005562794
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005562793
Diameter:	2.375
Depth From:	0.0
Depth To:	9.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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24 **1 of 1** **ENE/220.6** **78.9 / 0.43** **ON** **BORE**

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:			

Borehole Geology Stratum

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

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25 | **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

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
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/24/2015
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 446995.00
North83: 5025301.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 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

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

Annular Space/Abandonment Sealing Record

Plug ID: 1005562786
Layer: 1
Plug From: 0.0
Plug To: 1.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005562788
Layer: 3
Plug From: 3.0
Plug To: 14.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005562787
Layer: 2
Plug From: 1.0
Plug To: 3.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1005562785
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1005562775
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005562781
Layer: 1

Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	4.0
Casing Diameter:	1.3600000143051147
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1005562782
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

Water Details

Water ID:	1005562780
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005562779
Diameter:	2.375
Depth From:	0.0
Depth To:	14.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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26 | ***1 of 1*** | ***NW/226.2*** | ***69.9 / -8.54*** | ***999 HERON ROAD Ottawa ON*** | ***WWIS***

Well ID:	7245127	**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:	Z208923	**Contractor:**	7241
Tag:	A177220	**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\7245127.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID: 1005499689
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/27/2015
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 446991.00
North83: 5025303.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 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

Overburden and Bedrock Materials Interval

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

Formation Top Depth:	10.0
Formation End Depth:	20.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005562819
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	85
Material 2 Desc:	SOFT
Material 3:	91
Material 3 Desc:	WATER-BEARING
Formation Top Depth:	2.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005562829
Layer:	2
Plug From:	1.0
Plug To:	14.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005562828
Layer:	1
Plug From:	0.0
Plug To:	1.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005562830
Layer:	3
Plug From:	14.0
Plug To:	20.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1005562827
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1005562817
Casing No:	0
Comment:	

Alt Name:

Construction Record - Casing

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

Construction Record - Screen

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

Water Details

Water ID: 1005562822
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1005562821
Diameter: 3.25
Depth From: 0.0
Depth To: 20.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

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27 | **1 of 1** | **NW/227.1** | **69.9 / -8.54** | **999 HERON ROAD Ottawa ON** | **WWIS**

Well ID: 7245123
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z208966
Tag: A177224
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 07/21/2015
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
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\7245123.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

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:			

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

Formation ID:	1005562760
Layer:	1
Color:	2
General Color:	GREY

Material 1:
Material 1 Desc:
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

Overburden and Bedrock Materials Interval

Formation ID: 1005562763
Layer: 4
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: 8.0
Formation End Depth: 14.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005562764
Layer: 5
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: 14.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005562761
Layer: 2
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 28
Material 2 Desc: SAND
Material 3: 68
Material 3 Desc: DRY
Formation Top Depth: 2.0
Formation End Depth: 3.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID:	1005562772
Layer:	1
Plug From:	0.0
Plug To:	1.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005562773
Layer:	2
Plug From:	1.0
Plug To:	5.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005562774
Layer:	3
Plug From:	5.0
Plug To:	16.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1005562771
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1005562759
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005562767
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	6.0
Casing Diameter:	1.3600000143051147
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1005562768
Layer:	1
Slot:	10
Screen Top Depth:	6.0
Screen End Depth:	16.0
Screen Material:	5

Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 1.659999966621399

Water Details

Water ID: 1005562766
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1005562765
Diameter: 2.375
Depth From: 0.0
Depth To: 16.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

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28 | **1 of 1** | **NW/229.7** | **69.6 / -8.82** | **999 HERON ROAD Ottawa ON** | **WWIS**

Well ID: 7245126
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z208922
Tag: A177221
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 07/21/2015
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

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

Bore Hole Information

Bore Hole ID: 1005499686
Elevation:

DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	446977.00
Code OB Desc:		**North83:**	5025296.00
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:	1005562806
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:	1005562804
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	06
Material 2 Desc:	SILT
Material 3:	11
Material 3 Desc:	GRAVEL
Formation Top Depth:	0.0
Formation End Depth:	3.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005562805
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

Annular Space/Abandonment Sealing Record

Plug ID: 1005562815
Layer: 2
Plug From: 1.0
Plug To: 3.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005562816
Layer: 3
Plug From: 3.0
Plug To: 14.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005562814
Layer: 1
Plug From: 0.0
Plug To: 1.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1005562813
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1005562803
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005562809
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 4.0
Casing Diameter: 1.3600000143051147
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

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

Water Details

Water ID:	1005562808
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005562807
Diameter:	2.375
Depth From:	0.0
Depth To:	14.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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29 **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:			

Borehole Geology Stratum

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:**	

Gsc Material Description:
Stratum Description: 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.

Geology Stratum ID: 218392515
Top Depth: 0
Bottom Depth: 18.6
Material Color:
Material 1: Clay
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY.

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

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 05301 NTS_Sheet:
Confiden 1:

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

Source List

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

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

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30 | ***1 of 1*** | ***WSW/230.4*** | ***69.4 / -9.02*** | ***ON*** | ***WWIS***

Well ID: 1508270
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: OTTAWA CITY
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 07/09/1951
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3725
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508270.pdf

Additional Detail(s) (Map)

Well Completed Date: 10/03/1950
Year Completed: 1950
Depth (m): 20.4216
Latitude: 45.3762536553996
Longitude: -75.6774691326995
X: -75.67746897102288
Y: 45.37625364793735
Path: 150\1508270.pdf

Bore Hole Information

Bore Hole ID: 10030305
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/03/1950
Remarks:
Elevation:
Elevrc:
Zone: 18
East83: 446955.70
North83: 5024972.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9
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:

Overburden and Bedrock Materials Interval

Formation ID: 931009222
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: 61.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009223
Layer: 2
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 61.0
Formation End Depth: 67.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:	961508270
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10578875
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Water Details

Water ID:	933462699
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	48.0
Water Found Depth UOM:	ft

31 | **1 of 1** | **NW/236.8** | **69.9 / -8.54** | **999 HERON ROAD Ottawa ON** | **WWIS**

Well ID:	7245129	**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:	Z208925	**Contractor:**	7241
Tag:	A177218	**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\7245129.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/23/2015
Year Completed:	2015
Depth (m):	3.9624
Latitude:	45.3792706542877
Longitude:	-75.6772075642469
X:	-75.67720740210467
Y:	45.37927064717712
Path:	724\7245129.pdf

Bore Hole Information

Bore Hole ID:	1005499695	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	446979.00
Code OB Desc:		**North83:**	5025307.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	06/23/2015	**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:	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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Plug ID:	1005562856
Layer:	1
Plug From:	0.0
Plug To:	1.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005562858
Layer: 3
Plug From: 9.0
Plug To: 20.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005562857
Layer: 2
Plug From: 1.0
Plug To: 9.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1005562855
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1005562845
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005562851
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 10.0
Casing Diameter: 1.3600000143051147
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005562852
Layer: 1
Slot: 10
Screen Top Depth: 10.0
Screen End Depth: 20.0
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 1.659999966621399

Water Details

Water ID: 1005562850
Layer:
Kind Code:
Kind:

Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1005562849
Diameter: 3.25
Depth From: 0.0
Depth To: 20.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

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32 | ***1 of 1*** | ***NW/237.2*** | ***69.9 / -8.54*** | ***999 HERON ROAD Ottawa ON*** | ***WWIS***

Well ID: 7245128
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z208924
Tag: A177219
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 07/21/2015
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7245128.pdf

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

Bore Hole ID: 1005499692
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/23/2015
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:

Elevation:
Elevrc:
Zone: 18
East83: 446982.00
North83: 5025310.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Plug ID:	1005562842
Layer:	1

Plug From: 0.0
Plug To: 1.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005562843
Layer: 2
Plug From: 1.0
Plug To: 7.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005562844
Layer: 3
Plug From: 7.0
Plug To: 18.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1005562841
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1005562831
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005562837
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 8.0
Casing Diameter: 1.3600000143051147
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005562838
Layer: 1
Slot: 10
Screen Top Depth: 8.0
Screen End Depth: 18.0
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 1.659999966621399

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

Water Details

Water ID:	1005562836
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005562835
Diameter:	2.375
Depth From:	0.0
Depth To:	18.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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33 ***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

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID:	10030787	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	447150.70
Code OB Desc:		***North83:***	5025362.00

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:

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID:	961508753
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10579357
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991508753
Pump Set At:	

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

Water Details

Water ID:	933463407
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	110.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933463408
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	140.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933463409
Layer:	3
Kind Code:	1
Kind:	FRESH
Water Found Depth:	168.0
Water Found Depth UOM:	ft

---

34 ***1 of 1*** ***N/239.3*** ***74.2 / -4.26*** ***ON*** ***BORE***

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:			

Location D:
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID: 218392699
Top Depth: 0
Bottom Depth: 12.2
Material Color:
Material 1: Clay
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY.

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

Geology Stratum ID: 218392701
Top Depth: 19.8
Bottom Depth: 26.8
Material Color:
Material 1: Clay
Material 2: Sand
Material 3: Stones
Material 4:
Gsc Material Description:
Stratum Description: CLAY.

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

Geology Stratum ID: 218392700
Top Depth: 12.2
Bottom Depth: 19.8
Material Color:
Material 1: Silt
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SILT.

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

Geology Stratum ID: 218392702
Top Depth: 26.8
Bottom Depth: 51.2
Material Color:
Material 1: Shale
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: 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.

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

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 05356 NTS_Sheet:
Confiden 1:

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

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		

35	1 of 1	SE/242.7	82.0 / 3.61	HYDRO OTTAWA REAR LOT OF 2464 CLEMINTINE OTTAWA TRANSFORMER OTTAWA CITY ON	SPL

Ref No:	195721	**Municipality No:**	20107
Year:		**Nature of Damage:**	
Incident Dt:	2/23/2001	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	2/28/2001	**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:	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 GROUNDCLEANING.		
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:			

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., Ellis-Don 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

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

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

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

Database: ***ECA***

Approval No:	3474-99NHUQ	***MOE District:***	
Approval Date:	2013-08-07	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	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:			

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	***MOE District:***	
Approval Date:	2016-05-24	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	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:			

Site:

heron road ottawa ON

Database: ***EHS***

Order No:	20021218002	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Complete Report	***Client Prov/State:***	ON
Report Date:	12/19/02	***Search Radius (km):***	0.50
Date Received:	12/18/02	***X:***	-75.64485
Previous Site Name:		***Y:***	45.37902
Lot/Building Size:			
Additional Info Ordered:			

Site:

Heron Road Ottawa ON

Database: ***EHS***

Order No:	20141021043	***Nearest Intersection:***	
Status:	C	***Municipality:***	City of Ottawa
Report Type:	Standard Report	***Client Prov/State:***	ON
Report Date:	27-OCT-14	***Search Radius (km):***	.25
Date Received:	21-OCT-14	***X:***	-75.684489
Previous Site Name:		***Y:***	45.375447
Lot/Building Size:			
Additional Info Ordered:			

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: ***GEN***

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
Year:
Incident Dt: 5/1/1993
Dt MOE Arvl on Scn:
MOE Reported Dt: 5/1/1993
Dt Document Closed:
Municipality No: 20101
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health:
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***

Ref No: 76308
Year:
Incident Dt: 9/15/1992
Dt MOE Arvl on Scn:
MOE Reported Dt: 9/15/1992
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:

Municipality No: 20101
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health:
Agency Involved: PD,FD,MTO.

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***

Ref No: 20469
Year:
Incident Dt: 4/25/1989
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/25/1989
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: VALVE/FITTING LEAK OR FAILURE
Incident Preceding Spill:
Environment Impact: NOT ANTICIPATED
Health Env Consequence:
Nature of Impact:
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Client Type:
Source Type:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:

Municipality No: 20101
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health:
Agency Involved:

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: ***Database:*** ***SPL***

Upstream of Heron rd Ottawa ON

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

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health:
Agency Involved:

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

Database: ***SPL***

Ref No:	4475-8DGQA2	***Municipality No:***	
Year:		***Nature of Damage:***	
Incident Dt:	1/17/2011	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	1/26/2011	***Impact to Health:***	
Dt Document Closed:	2/16/2011	***Agency Involved:***	

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:
Northing:
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	***Municipality No:***	
Year:		***Nature of Damage:***	
Incident Dt:	2014/10/06	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	2014/10/06	***Impact to Health:***	
Dt Document Closed:	2014/10/22	***Agency Involved:***	

Site No: NA
MOE Response: No Field Response
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:

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

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

Database: ***SPL***

Ref No:	30436	***Municipality No:***	20000
Year:		***Nature of Damage:***	
Incident Dt:	1/31/1990	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	1/31/1990	***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-CARLETON R.M.
Site Lot:	
Site Conc:	
Site Geo Ref Accu:	
Site Map Datum:	
Northing:	
Easting:	
Incident Cause:	ABOVE-GROUND TANK LEAK
Incident Preceding Spill:	
Environment Impact:	
Health Env Consequence:	
Nature of Impact:	

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 ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report: Provincial EPAR

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

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

Government Publication Date: 31 Oct, 2023

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Mar 31, 2022

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2024

National Analysis of Trends in Emergencies System (NATES): Federal NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2022

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Nov 2023

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory 1993-2020: Federal NPR2

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

Government Publication Date: Sep 2020

National Pollutant Release Inventory - Historic: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-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 in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2021

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.

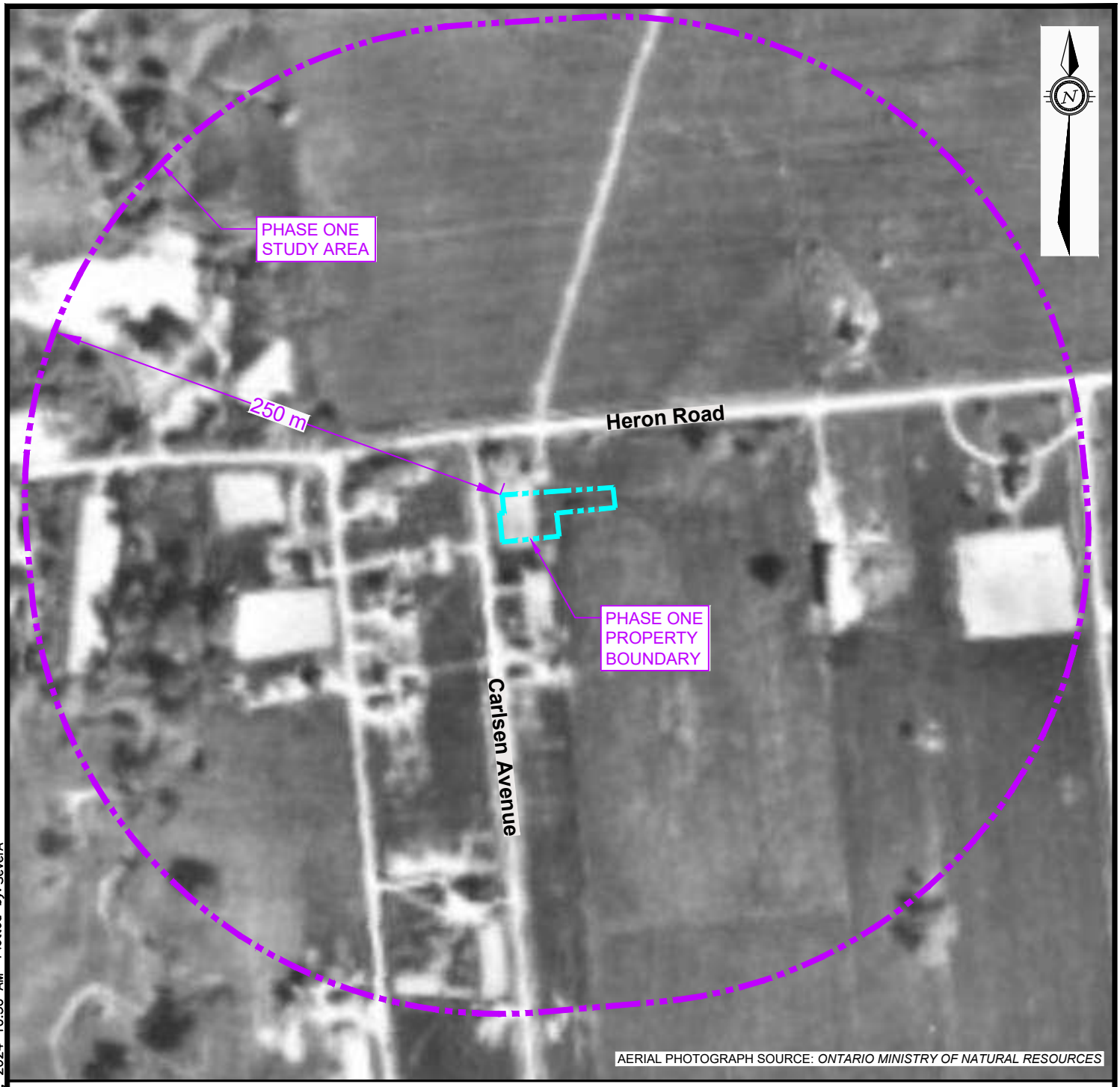
'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

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.

Appendix E: Aerial Photographs



LEGEND

PROPERTY BOUNDARY

STUDY AREA (250m)

ORIGINAL SHEET SIZE = 8.5" X 11"

0 30m 60m 120m

HORIZONTAL 1:3,000

EXP Services Inc. **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	
DRAWN BY: AS	PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT	scale: 1:3,000
	TITLE: 1950 AERIAL PHOTOGRAPH	FIG F-1

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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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	
	TITLE: 1965 AERIAL PHOTOGRAPH	FIG F-2

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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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	
DRAWN BY: AS	PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT	scale 1:3,000
	TITLE: 1976 AERIAL PHOTOGRAPH	FIG F-3

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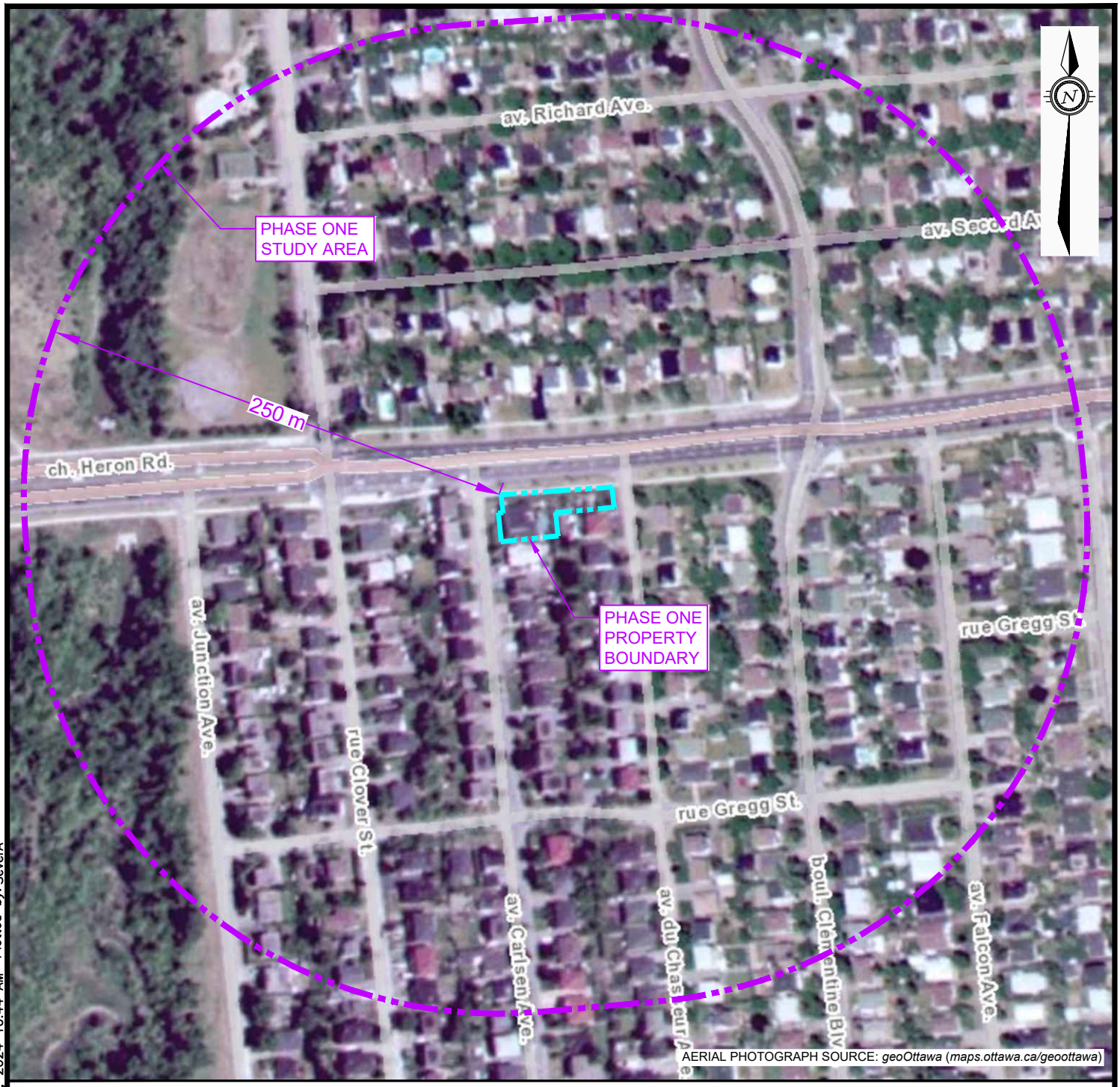

LEGEND

PROPERTY BOUNDARY

STUDY AREA (250m)

ORIGINAL SHEET SIZE = 8.5" X 11"

0 30m 60m 120m

HORIZONTAL 1:3,000

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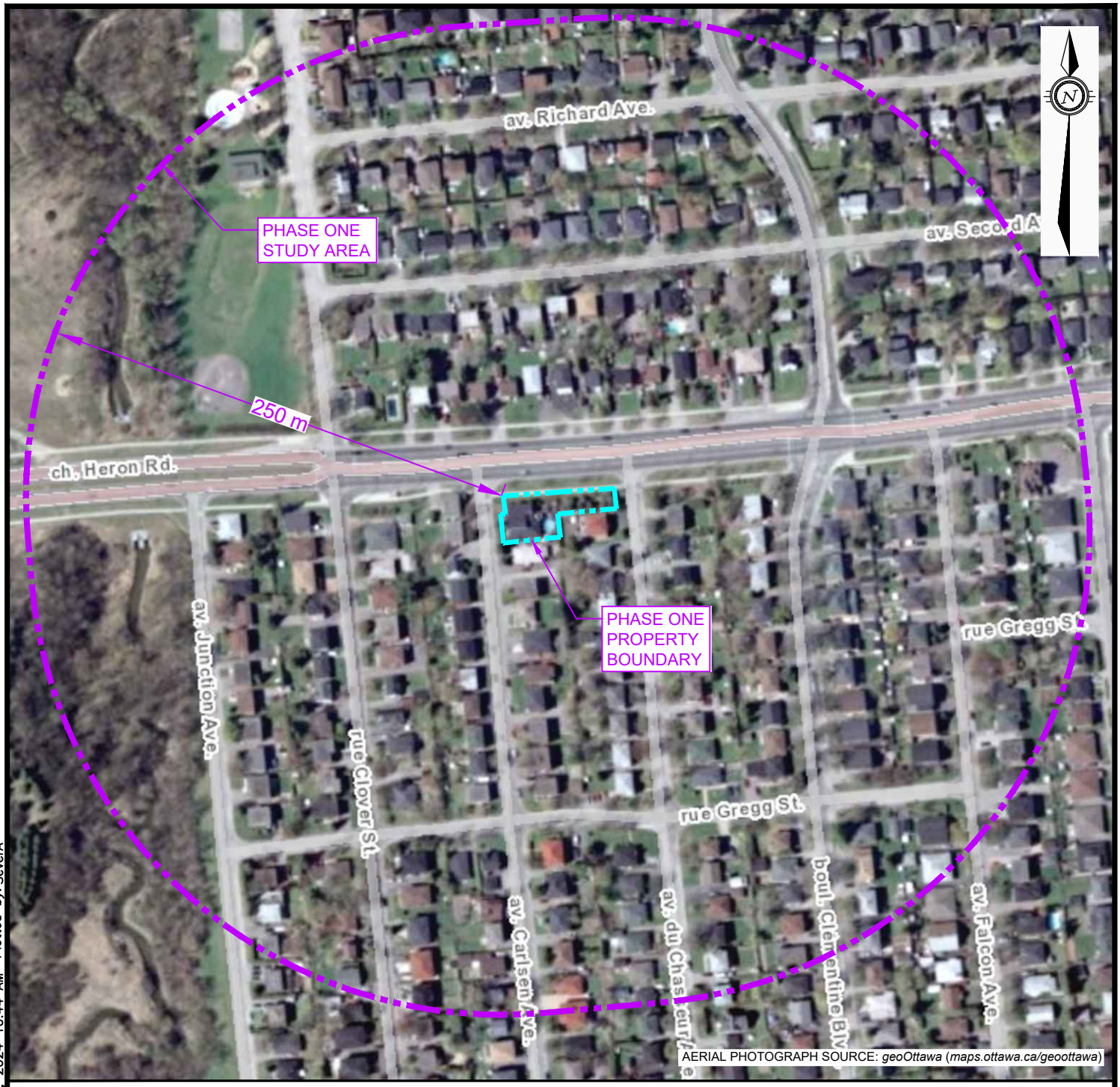
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

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-4
	TITLE: 1999 AERIAL PHOTOGRAPH	



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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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	
	TITLE: 2007 AERIAL PHOTOGRAPH	FIG F-5

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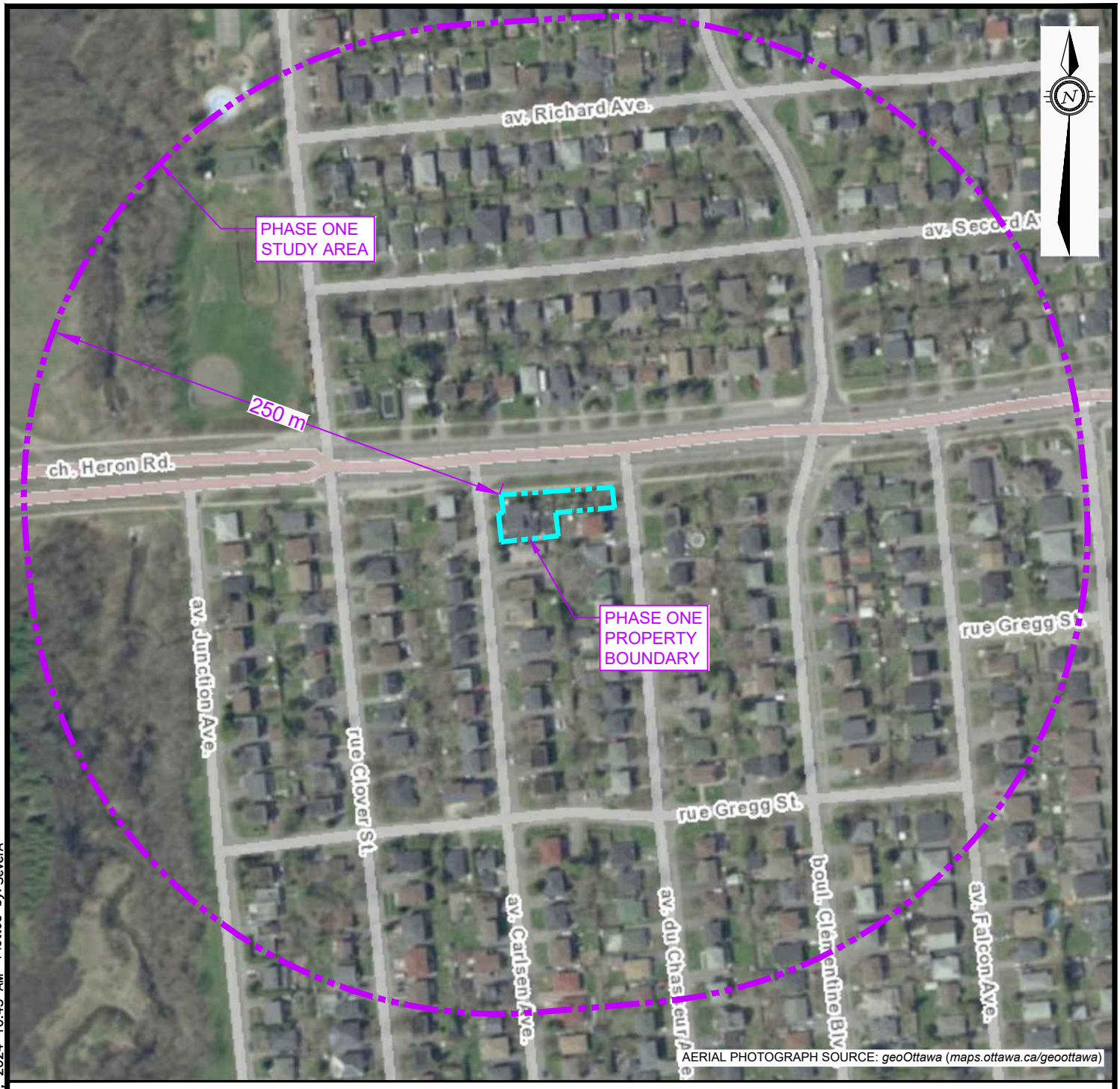

LEGEND

PROPERTY BOUNDARY

STUDY AREA (250m)

ORIGINAL SHEET SIZE = 8.5" X 11"

0 30m 60m 120m

HORIZONTAL 1:3,000

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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	
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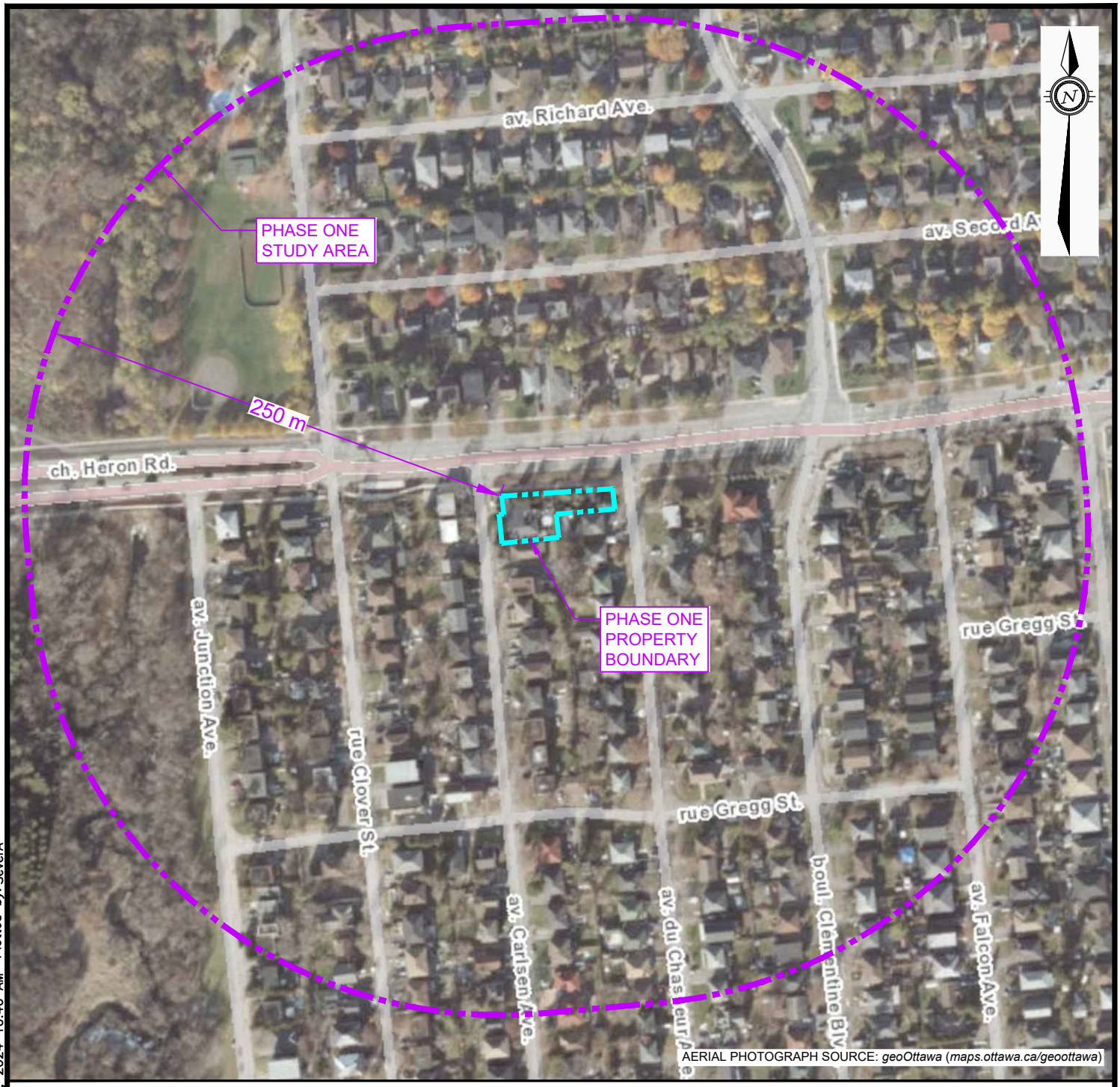
	TITLE: 2014 AERIAL PHOTOGRAPH	FIG F-6



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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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	
DRAWN BY: AS	PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT	scale: 1:4,000
	TITLE: 2019 AERIAL PHOTOGRAPH	FIG F-7

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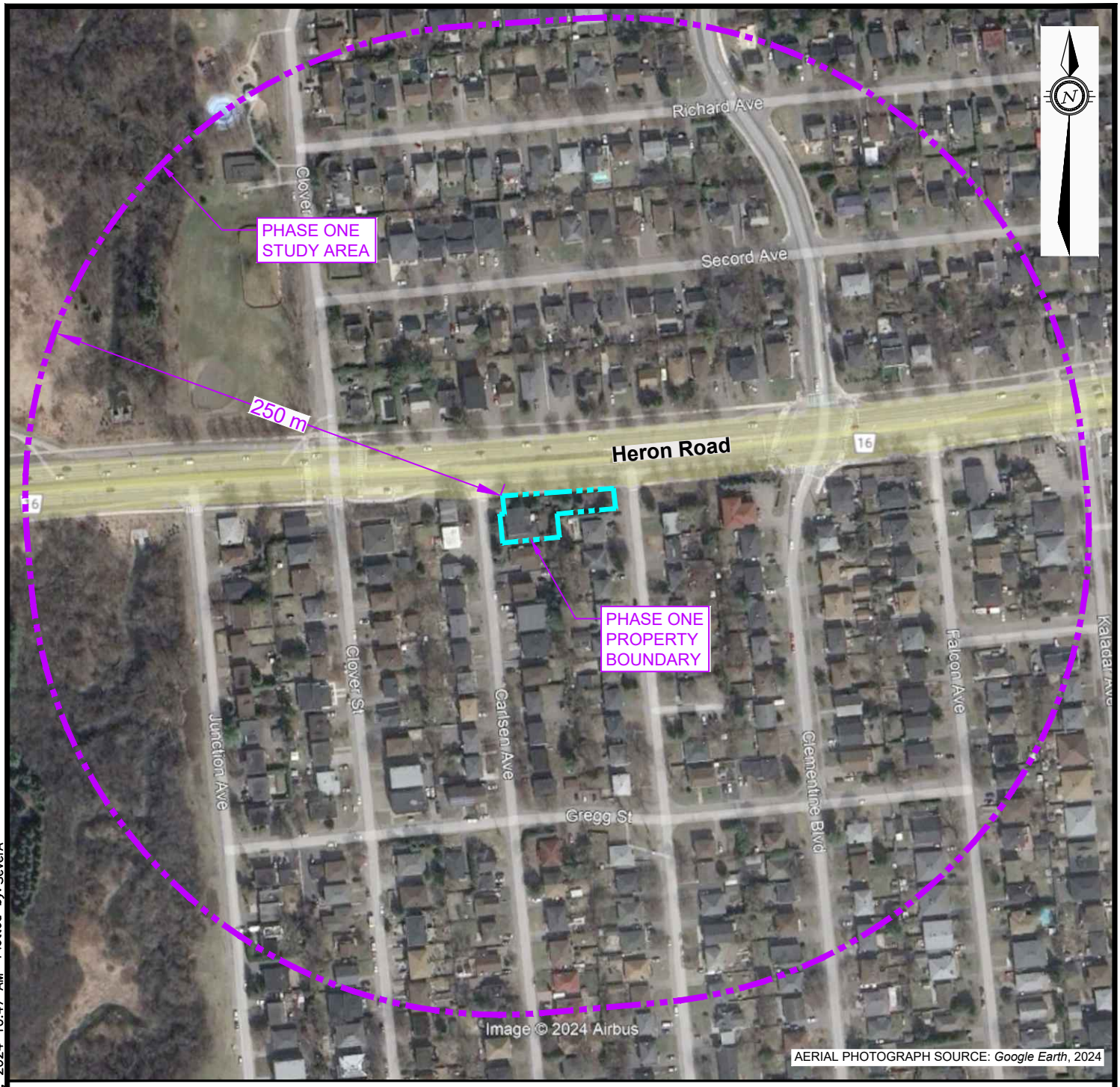

AERIAL PHOTOGRAPH SOURCE: *Google Earth*, 2024

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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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-8
	TITLE: 2024 AERIAL PHOTOGRAPH	

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Appendix F: Site Photographs

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

Photograph No. 5
View within the addition to the building.

Photograph No. 6
View of the second floor deck of the addition.

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.