Geotechnical Engineering

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Phase I Environmental Site Assessment

1940 Carling Avenue
Ottawa, Ontario

Prepared For

2704183 Ontario Ltd.

November 4, 2021

Report: PE4842-1R

Paterson Group Inc.

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EXECUTIVE SUMMARY

Assessment

Paterson Group (Paterson) was retained by Mr. Domenic Santaguida of 2704183 Ontario Ltd. to conduct a Phase I Environmental Site Assessment (Phase I ESA) for the property located at 1940 Carling Avenue in Ottawa, Ontario. The purpose of this Phase I ESA was to research the former and current use of the site and study area and identify any environmental concerns with the potential to have impacted the Phase I property.

According to the historical research, the site was first developed for residential use early as 1946. The current residential dwelling has been present since the mid-1950s. No environmental concerns were identified with respect to the historical use of the Phase I property.

The adjacent properties have historically been used for residential and commercial purposes. Several historical potentially contaminating activities (PCAs) were identified within the Phase I study area. Based on their nature, separation distance, and/or orientation relative to the Phase I property, none of the off-site PCAs are considered to have resulted in areas of potential environmental concern (APECs) on the Phase I property.

Following the historical review, Paterson conducted a site visit to assess the current environmental conditions at the Phase I property. The site is currently occupied by a residential dwelling with attached (private) garage. The remainder of the property is grassed and landscaped; there is also an asphalt driveway and an inlaid brick walkway. No PCAs were identified on-site during the site visit. The properties in the study area are generally used for residential and commercial purposes. No current PCAs were identified within the Phase I study area during the site visit.

Based on the results of this assessment, it is our opinion that **a Phase II Environmental Site Assessment is not required for the Phase I property.**

Recommendations

Based on the age of the on-site building, asbestos-containing materials (ACMs) and lead-based paints may be present.

The observed plaster walls/ceilings, drywall joint compound, stipple plaster ceiling, and stick-on ceiling tiles were generally in fair to good condition. Lead-based paints may be present beneath more recent paints, on any original or older painted surfaces. Some bubbling and peeling paint was observed, primarily due to water damage, during the site visit. Given the location of the peeling, this does not represent an immediate hazard or concern. It is Paterson's understanding that the residential dwelling will be demolished as part of future redevelopment of the site. Prior to any disturbance of potentially hazardous building materials, a designated substance survey (DSS) must be conducted on the current structure, in accordance with Ontario Regulation 490/09 under the Occupational Health and Safety Act.

1.0 INTRODUCTION

At the request of 27041083 Ontario Ltd., Paterson Group (Paterson) conducted a Phase I Environmental Site Assessment (Phase I ESA) for the property located at 1940 Carling Avenue in Ottawa, Ontario, herein referred to as "the Phase I property" or "site." The purpose of this Phase I ESA was to research the former and current land use at the Phase I property and within the study area, as well as to identify any environmental concerns with the potential to have impacted the Phase I property.

Paterson was retained to conduct this Phase I ESA by Mr. Domenic Santaguida of 27041083 Ontario Ltd. (3625 Rivergate Way, Ottawa, ON, K1V 2A4). Mr. Santaguida can be reached at 613-868-5536.

This Phase I ESA report has been prepared specifically and solely for the above-noted project, described herein, and contains the findings and assessment of the environmental conditions at this site.

This report has been prepared in general accordance with Ontario Regulation 153/04, as amended under the Environmental Protection Act, and complies with the requirements of CSA Z768-01. The conclusions presented in this Phase I ESA report are based on information gathered from a limited historical review and field assessment program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information, as well as a cursory review made at the time of the field inspection. The historical research relies on information supplied by others, such as local, provincial, and federal agencies, and was limited within the scope-of-work, time, and budget of the project herein.

2.0 PHASE I PROPERTY INFORMATION

Address:	1940 Carling Avenue, Ottawa, Ontario
Legal Description:	Part of Lot 26 and Lot 27 on Plan 290559; Carling South, in the City of Ottawa
Property Identification Numbers (PIN):	039840042
Location:	The Phase I property is located on the south side of Carling Avenue, between Maplecrest Avenue and Dunlevie Avenue in Ottawa, Ontario. Refer to Figure 1 – Key Plan for the site location.
Latitude and Longitude:	45° 22' 27" N, 75° 45' 39" W
Site Description:	
Configuration:	Rectangular (approximate)
Site Area:	3,250 m^2 (approximate)
Zoning:	AM10[2181] H(20) – Arterial Mainstreet Zone - Mixed Use
Current Use:	The site is occupied by a one storey residential dwelling and private garage.
Services:	The site is located within a municipally serviced area.

3.0 SCOPE OF INVESTIGATION

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

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

4.0 RECORDS REVIEW

4.1 General

Phase I ESA Study Area Determination

A radius of approximately 250 m was determined to be appropriate as a Phase I ESA study area for this assignment. Properties located outside the 250 m radius are not considered to have impacted the Phase I property, based on their significant distance away from the site.

First Developed Use Determination

Based on a review of available historical information, the Phase I property was developed for residential and/or agricultural purposes as early as 1946. The Phase I property was developed with the current residential dwelling in the mid-1950s. Aerial photos are discussed in Section 4.3 and are presented in Appendix 1. For the purposes of this report, the property is considered to have been first developed in 1946.

Fire Insurance Plans

A fire insurance plan (FIP) from 1956 was reviewed for the general area of the Phase I property. At that time, the land use of the site and surrounding properties was generally residential. A gasoline service station was present on the southwest corner of Maitland Avenue and Carling Avenue (1886 Carling Avenue), approximately 250 metres east of the site. Two underground fuel storage tanks (USTs) are shown on this property. An automotive service station was present on the northwest corner of Maitland Avenue and Carling Avenue (1867 Carling Avenue), approximately 250 m northeast of the site. One UST is shown on this property on the 1956 FIP.

Based on the separation distances and down- or cross-gradient orientations relative to the Phase I property, these historical potentially contaminating activities (PCAs) are not considered to pose an environmental concern to the Phase I property.

City of Ottawa Street Directories

As part of this assessment, the City of Ottawa street directories for the general area of the Phase I property were reviewed at approximate ten-year intervals from 1950 to 2010. The directories indicated that the site and surrounding properties have been used for residential or commercial purposes during the time period reviewed. Although city street directories identified primarily residential properties, two PCAs were identified within the Phase I study area.

According to the city directories, a retail fuel outlet was formerly located at 1867-1883 Carling Avenue, which occupied the property from 1959 through 1986. The current commercial plaza (currently 1867 Carling Avenue) was first listed in the 1990's and included 1st Choice Haircutters, Pelican Cleaners (reportedly a drop—off location only), Rogers Video, H&R Block, and various offices. This retail fuel outlet was discussed in the previous section and is not considered to represent an APEC on the Phase I property.

The property previously addressed as 1886 Carling Avenue (currently 1880 Carling Avenue) was also listed as a retail fuel outlet from the 1960's through the 1980's. Both properties have been redeveloped since the time frames noted above. This retail fuel outlet was also discussed in the previous section and is not considered to represent an APEC on the Phase I property.

Chain of Title

Paterson did not request a Chain of Title for the site as it was determined that sufficient information was gathered from other sources, and a title search back to the date of the first developed use would not contribute to obtaining information about the environmental condition of the Phase I property.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically in October 2021. The Phase I property was not listed in the NPRI database. Records were not identified for any other properties within the Phase I study area. Please refer to the ERIS report provided in Appendix 2.

PCB Inventory

A search of national PCB waste storage sites was conducted. The Phase I property is not registered as a PCB waste storage site. No PCB waste storage sites are present within the Phase I study area. Please refer to the ERIS report provided in Appendix 2.

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

Based on the ERIS report, dated January 17, 2020, there are no certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments for properties within the Phase I study area. A copy of the ERIS report is provided in Appendix 2.

MECP Submissions

Based on the ERIS report, dated January 17, 2020, there are no records of reports related to environmental conditions for the Phase I property or properties within the Phase I study area. A copy of the ERIS report is provided in Appendix 2.

MECP Incident Reports

Based on the ERIS report, 3 potentially relevant spills/incidents were identified within the Phase I study area. Two of these spills/incidents involved limited releases of furnace oil and/or transformer oil at distances of 195 to 225 m from the site. The third release occurred at a residence located down-gradient of the site on the boundary of the study area. Based on the separation distances and/or orientations with respect to the Phase I property, the aforementioned spills/incidents were not considered to result in APECs on the Phase I property.

For the purposes of this Phase I ESA, natural gas line strikes during construction and certificates of approval for discharge of residential wastewater, etc., were not considered relevant, as they would not result in APECs on the site or the adjacent properties. No other records were identified. A copy of the ERIS report is provided in Appendix 2.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry (ESR) was conducted electronically in October 2021. No Record of Site Conditions (RSC) were identified related to the Phase I property. Please refer to the ERIS report provided in Appendix 2.

MECP Waste Management Records

Based on the ERIS report, dated January 17, 2020, there are no waste management records for the Phase I property or properties within the Phase I study area. A copy of the ERIS report is provided in Appendix 2.

MECP Waste Disposal Site Inventory

The Ministry of the Environment, Conservation and Parks document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. There are no former waste disposal sites located in the Phase I study area.

MECP Coal Gasification Plant Inventory

The Ministry of the Environment, Conservation and Parks document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No municipal coal gasification plant sites are located within the Phase I study area.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I study area was conducted electronically via the Ministry of Natural Resources and Forestry (MNRF) website. No natural features or areas of natural significance were identified on the Phase I property or within the Phase I study area.

Technical Standards and Safety Authority (TSSA)

The Technical Standards and Safety Authority (TSSA) Fuels Safety Branch in Toronto was contacted on October 15, 2021, to inquire about current and former underground/aboveground storage tanks, spills, and incidents for the Phase I property and the immediately adjacent properties. According to the TSSA response, there are no records of fuel storage tanks for the Phase I property or immediately adjacent properties. A copy of the TSSA correspondence is included in Appendix 2.

According to the ERIS report dated January 17, 2020, no records were identified for the remaining properties in the Phase I study area. A copy of the ERIS report is provided in Appendix 2.

Former Industrial Sites

The report entitled “Mapping and Assessment of Former Industrial Sites, City of Ottawa” prepared by Intera Technologies Limited was also reviewed. No former industrial sites were identified within 250 m of the Phase I property.

City of Ottawa Landfill Document

The document entitled “Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa”, was reviewed. There are no closed landfill sites within the Phase I study area. One former landfill was identified approximately 385 m southwest of the Phase I property, south of Carling Avenue between Kingsmere Avenue and Hare Avenue, across from Glabar Park. Given the current residential land use, separation distance between the former landfill and the Phase I property, as well as the cross-gradient orientation, this former landfill does not pose a concern to the Phase I property.

City of Ottawa Historical Land Use Inventory (HLUI)

A request for information from the City’s Historical Land Use Inventory (HLUI) database for the Phase I property was submitted to the City of Ottawa in January 2020. The HLUI search results indicated a former ready mix concrete manufacturer approximately 250 m from the Phase I property, near the western boundary of the study area. Given the distance to the Phase I property, the anticipated groundwater flow direction, and the redevelopment that has occurred in the study area, the former concrete factory is not considered to have resulted in an APEC on-site. A copy of the HLUI search results is provided in Appendix 2.

Environmental Risk Information Services (ERIS)

As referenced previously, Paterson obtained a standard ERIS database report, dated January 17, 2020, which provides environmental information for the Phase I property and neighbouring properties within the 250 m study area. ERIS provides information from all federal and provincial databases, as well as private databases. No other records, in addition to those previously discussed, were considered to represent PCAs within the Phase I study area. A copy of the ERIS report is available in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the National Air Photo Library were reviewed in approximate ten-year intervals, commencing with the earliest available photograph. The photos were supplemented using the City of Ottawa's geoOttawa website, which also provides air photos of Ottawa. Based on the review, the following observations have been made:

1946 The Phase I property appears to be occupied by a residential dwelling. Adjacent lands to the south, east, and west are used for agricultural purposes. Carling Avenue is present to the north, followed by vacant, agricultural or treed lands. Residential development has occurred further to the east and west.

1953 The Phase I property appears to have been redeveloped with the existing residential dwelling. Significant residential development has occurred in the surrounding area, south of Carling Avenue. Dunlevie Avenue and Killeen Avenue are visible to the east and Maplecrest Avenue and Melwood Avenue are now visible to the west.

1962 No apparent changes have been made to the Phase I property, while significant development has occurred in the study area. Apartment buildings are visible north of Carling Avenue, and additional residences are visible west, south, and east of the site.

1975 No changes are visible on-site or on the immediately adjacent properties. The study area is now fully developed.

1993 No changes are visible on-site or on the immediately adjacent properties. Some redevelopment has occurred at the intersection of Carling Avenue and Maitland Avenue (i.e., the current commercial plaza is present on the northwest corner and the building that was present on the southwest corner appears to have been demolished). Please note that these two properties are located at the boundary of the study area.

1999 No significant changes are apparent with respect to the site or surrounding properties.

2010 *(City of Ottawa website)* No significant changes are apparent with respect to the site or surrounding properties.

2019 *(City of Ottawa website)* No significant changes are apparent with respect to the site or surrounding properties.

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

Water Bodies

No water bodies are present on the Phase I property or within the study area. The nearest water body is the Ottawa River, located approximately 450 m northwest of the site at its closest point.

Topographic Maps

Topographic information was obtained from the Natural Resources Canada – The Atlas of Canada website. The topographic maps indicate that the elevation of the Phase I property is approximately 80 m above sea level. The regional topography in the vicinity of the site slopes toward the north, in the direction of the Ottawa River. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

Physiographic information was reviewed from the Natural Resources Canada – The Atlas of Canada website. According to Natural Resources Canada (NRCan), the Phase I property is situated within the St. Lawrence Lowlands. According to the description provided: “The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets.” The Phase I property is specifically located within the Central St. Lawrence Lowland area, which is rarely more than 150 m above sea level.

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted. Based on the information from NRCan, the bedrock at the site consists of interbedded limestone and dolomite of the Gull River Formation, whereas the surficial geology in the vicinity of the Phase I property consists of glacial till plains, with an overburden thickness ranging from 0 to 10 m.

MECP Water Well Records

A search of the MECP's website for all drilled well records within 250 m of the Phase I property was conducted as part of this assessment. The search identified 44 well records within the Phase I study area. Please note that these well records were also returned in the ERIS report, as noted in Section 4.2. These were domestic wells installed in the late 1940s to mid-1950s, south of Carling Avenue. No well abandonment records were identified. However, the site and surrounding properties are currently supplied with municipal services.

According to the well records, the overburden stratigraphy in the general area of the Phase I property consists of clay and/or clay loam underlain by minor glacial till. Limestone bedrock was typically encountered at depths ranging from approximately 1.8 to 3.7 m below ground surface, which is consistent with the geologic mapping for the area.

5.0 INTERVIEWS

Mr. Domenic Santaguida (of 2704183 Ontario Inc.) was interviewed via email on January 17, 2020. Mr. Santaguida acquired the Phase I property in August of 2019 and is not familiar with the history of the site. He confirmed on October 15, 2021, that no changes have been made to the interior of the on-site building. No other persons familiar with the history of the site were available for interview. Mr. Santaguida is not aware of any environmental concerns associated with the Phase I property or adjacent lands.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

Site visits were conducted on January 15, 2020, by Ms. Karyn Munch and Ms. Kelly Martinell of Paterson Group. A second site visit was conducted by Ms. Martinell on October 18, 2021, to confirm that site conditions had not changed from the time of the initial site visit. The weather during the initial site visit was overcast with a temperature of approximately 0°C and approximately 8°C during the subsequent site visit. The adjacent properties and properties within the study area were also assessed at this time.

6.2 Specific Observations at Phase I Property

Site Features

The Phase I property, located at 1940 Carling Avenue, is occupied by a single-storey, residential dwelling with attached (private) garage. The structure and materials are discussed in the following section. There is a paved (asphalt), L-shaped driveway and an inlaid brick walkway on the northwest side of the property, as well as a stone patio at the rear of the house. The remainder of the Phase I property is grassed and treed. No unusual visual or olfactory observations were made on-site.

The site topography slopes gently to the northwest toward Carling Avenue in the front and toward the southeastern property at the rear of the building. The regional topography slopes north toward the Ottawa River and groundwater flow is expected to be in this direction. Water drainage on the Phase I property occurs primarily via infiltration in the landscaped areas, as well as sheet flow over the driveway toward Carling Avenue. Site features are depicted on Drawing PE4842-1R – Site Plan in the Figures section of this report.

Buildings and Structures

The Phase I property is occupied by a single-family, one-storey residential dwelling with an attached (private) garage. The house and garage were built in the mid-1950's, based on available historical information, and were constructed with wood framing and concrete foundations. The house has a basement with a poured concrete floor and the garage has a concrete slab-on-grade foundation.

The house and garage are finished on the exterior with brick, with the exception of the storage area connecting the garage and house. This storage area appears to have originally been a breezeway, complete with roof and concrete pad foundation, but is suspected to have been enclosed at a later time with vinyl siding and drywall. The building has a sloped, asphalt shingled roof. The residence is heated by a natural gas-fired furnace.

A wood fireplace is centrally located in the house, though it is unclear whether it is currently in working order. A sump pit was observed and inspected in the basement of the dwelling. The pit was dry and approximately 0.6 m deep. No unusual visual or olfactory observations were noted.

Interior Assessment

A general description of the interior of the on-site building is as follows:

- ❒ Floor finishes consisted of a combination of hardwood, ceramic tile, laminate, carpet, and vinyl flooring.
- ❒ Wall finishes consisted of drywall and/or plaster stippling.
- ❒ Ceilings were primarily finished with drywall decorative plaster; stick-on pressed fibre tiles were also observed on the ceiling in the basement.
- ❒ Lighting throughout the building is provided by enclosed fixtures that were suspected to have incandescent and/or compact fluorescent bulbs.

Underground Utilities

The dwelling is serviced by municipal water and sewer services from the City of Ottawa. The dwelling is also connected to a natural gas pipeline. Electric and communications lines are supplied to the house by overhead lines. Note that underground utility locates were not obtained as part of the Phase I ESA and, therefore, exact locations of buried services are unknown.

Fuel and Chemical Storage

No bulk chemical storage areas, aboveground storage tanks (ASTs), or evidence of underground storage tanks (USTs) were observed on-site. A small quantity of gasoline (5 L) used to power the lawn mower was observed in the storage area between the house and garage. This is a ventilated area and the gasoline is stored in a plastic jerry can. No concerns were identified related to the gasoline storage on-site.

Small quantities of household chemicals were also observed but are not expected to pose unacceptable risk to environmental or human health. Some minor lime and rust stains were observed in the basement. No other hazardous materials, unidentified substances, spills, abnormal odours, or indications of potential sub-surface contamination were observed on the Phase I property at the time of the site visit.

Wastewater Discharge

Wastewater from the Phase I property is discharged into the municipal sanitary sewer system. Roof drainage is discharged into the landscaped areas on the Phase I property or to the municipal storm water system via surface runoff. No concerns were noted with respect to wastewater discharge on-site.

Waste Management

Solid, non-hazardous domestic waste and recyclable products are stored in the storage area between the house and garage. Waste materials are collected by the municipality on a weekly basis. No concerns were identified with respect to waste management practices on the Phase I property.

Hazardous Building Materials

Based on the age of the building, asbestos-containing building materials (ACMs) may be present on-site in observed drywall joint compound, plaster walls/ceilings, ceiling stipple, and/or stick-on ceiling tiles in the basement. Some water damage, in the form of peeling and bubbling paint, was evident on and/or along ceilings in the house, though no other damage was observed. Therefore, any potential ACMs are considered to be in fair to good condition and do not pose immediate concern to the occupants of the dwelling.

Based on the age of the building, lead-based paints may be present beneath more recent paints, on any original or older painted surfaces. As noted above, some water damage, in the form of peeling and bubbling paint, was evident on and/or along ceilings in the house. The potential presence of lead-based paint is not considered to pose an immediate concern.

Urea formaldehyde foam insulation (UFFI) was not observed at the time of the site visit; however, wall cavities were not inspected for insulation type.

No potential sources of polychlorinated biphenyls (PCBs) were noted on-site. A pole-mounted transformer was observed on the adjacent property to the south. No obvious signs of leaks or staining were observed on the unit or pole. This transformer is not considered to pose an environmental concern to the Phase I property.

Potential sources of ODSs observed on-site include a kitchen refrigerator/freezer, a hand-held fire extinguisher, and an air conditioning unit. The refrigerator/freezer and air conditioner appeared to be in good condition at the time of the site visit. The fire extinguisher had its pin pulled and should be serviced by a licensed contractor.

Although water damage was noted in the dwelling and the garage, no obvious signs of mould growth were noted at the time of the site visit.

Potable Wells

No potable wells were observed on-site or on the surrounding properties. The study area is municipally serviced. However, as noted in Section 4.2, records for more than 40 wells have been identified within the study area.

Monitoring Wells

No monitoring wells were identified on the Phase I site or in the study area.

Neighbouring Properties

An inspection of the adjacent properties was conducted from the Phase I property and publicly accessible roadways. The observed adjacent land use is as follows:

- North – Carling Avenue, followed by residential and Bromley Road Baptist Church, 1900 Lauder Drive;
- West – Residential;
- East – Residential;
- South – Residential.

The current residential use of the immediately adjacent properties is not considered to pose an environmental concern to the Phase I property. Two commercial properties were located at the extent of the study area at Maitland Avenue (commercial plaza and a McDonald's restaurant, 1867 and 1880 Carling Avenue, respectively).

No properties within the Phase I Study Area are occupied by PCAs that result in APECs on-site. Current land use within the Phase I Study Area is illustrated on Drawing PE4842-2R – Surrounding Land Use Plan in the Figures section of this report.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

Based on a review of available historical information, the Phase I property was first developed for residential use as early as 1946. The current residential dwelling has been present since the mid-1950s.

Potentially Contaminating Activities (PCAs)

No PCAs were identified on the Phase I property. Based on Paterson's assessment, 5 historical PCAs were identified off-site. Three (3) of these were incidents related to releases of small quantities of furnace oil and/or transformer oil. Based on the sizes of the releases and distance from the site (i.e., greater than 130 m), these PCAs are not expected to have resulted in APECs on-site. The remaining two historical PCAs, related to former retail fuel outlets/automotive service stations, were identified on the boundary of the Phase I study area. Based on their separation distance and down-gradient orientation, neither of these PCAs are expected to have resulted in APECs on the Phase I property. The locations of these PCAs are illustrated on Drawing PE4842-2R – Surrounding Land Use Plan in the Figures section of this report.

Areas of Potential Environmental Concern (APECs)

No APECs were identified on-site.

Contaminants of Potential Concern (CPCs)

No contaminants of potential concern were identified on-site.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on information from the Geological Survey of Canada, the Phase I property is located in an area of interbedded limestone and dolomite bedrock, with an overburden consisting of glacial till plains, ranging from 0 m to 10 m in thickness. Groundwater is anticipated to be encountered within the overburden and flow in a northwesterly direction toward the Ottawa River.

Water Bodies

No water bodies are present on the Phase I property or within the study area. The nearest water body is the Ottawa River, located approximately 450 m northwest of the site at its closest point.

Existing Buildings and Structures

The Phase I property is occupied by a one-storey residential dwelling with attached private garage.

Areas of Natural Significance

No areas of natural significance were identified on-site or within the Phase I study area.

Potable Wells

The Phase I property is located within a municipally serviced area. Based on the available MECP water well records, of which there were more than 40, potable wells were formerly used to supply the homes in the study area south of Carling Avenue. The study area is municipally serviced, and the wells are not considered to be in use.

Neighbouring Land Use

Land use within the Phase I study area consists mainly of residential and occasional commercial properties. No environmental concerns were identified with respect to the current use of the adjacent and neighbouring properties.

Potentially Contaminating Activities (PCAs) and Areas of Potential Environmental Concern (APECs)

Per Section 6.1 of this report, no PCAs were identified the Phase I property. The following PCAs were identified within the Phase I study area:

- A former automotive service garage, located at 1867 Carling Avenue, approximately 250 m northeast of the site.
- A former retail fuel outlet, located at 1886 Carling Avenue, approximately 250 m northeast of the site.
- A 4.5 L transformer oil leak (cooling system failure) occurred in 1988 at 851 Killeen Ave, located approximately 195 m east-southeast of the site.

- A 20 L furnace oil spill occurred in 1993 at 861 Killeen Avenue, located approximately 220 m east-southeast of the site.
- An unknown quantity of furnace oil leaked from a residential AST in 2003 at 1945 Lauder Drive, located approximately 245 m northwest of the site.

Based on the nature of the incidents and their separation distance, the furnace oil and/or transformer oil incidents are not considered to result in APECs on the Phase I property. Given the distance to the former retail fuel outlet and former auto service station, their down- or cross-gradient orientation, and the fact that these properties have since been redeveloped, these PCAs are not considered to result in APECs on the Phase I property.

Contaminants of Potential Concern (CPCs)

No CPCs were identified on the Phase I property.

Assessment of Uncertainty and/or Absence of Information

There were no material deviations to the Phase I ESA requirements set out in O.Reg. 153/04 that would cause uncertainty or absence of information affecting the validity of the findings of the Phase I ESA or this Phase I CSM. It is the opinion of the Qualified Person (QP_{ESA}) that based on the information obtained and reviewed as part of this Phase I ESA, no PCAs or APECs were identified on the Phase I property.

8.0 CONCLUSION

8.1 Assessment

Paterson Group was retained by Mr. Domenic Santaguida on behalf of 2704183 Ontario Ltd. to conduct a Phase I Environmental Site Assessment (Phase I ESA) for the property located at 1940 Carling Avenue in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and identify any environmental concerns that have potentially impacted the Phase I property.

According to the historical research, the site was first developed for residential use early as 1946. The current residential dwelling has been present since the mid-1950s. No environmental concerns were identified with respect to the historical use of the Phase I property.

The adjacent properties have historically been used for residential and commercial purposes. Several historical potentially contaminating activities (PCAs) were identified within the Phase I study area. Based on their nature, separation distance, and/or orientation relative to the Phase I property, none of the off-site PCAs are considered to have resulted in areas of potential environmental concern (APECs) on the Phase I property.

Following the historical review, Paterson conducted a site visit to assess the current environmental conditions of the site. The Phase I property is currently occupied by a residential dwelling with attached private garage, grassed/landscaped areas, an asphalt driveway, and an inlaid brick walkway. No PCAs were identified on-site at the time of the site visit.

The properties in the study area are generally used for residential and commercial purposes. No current PCAs were identified within the study area at the time of the site visit.

Based on the results of this assessment, it is our opinion that **a Phase II Environmental Site Assessment is not required for the Phase I property.**

8.2 Recommendations

Based on the age of the on-site building, asbestos-containing materials (ACMs) and lead-based paints may be present.

The observed plaster walls/ceilings, drywall joint compound, stipple plaster ceiling, and stick-on ceiling tiles were generally in fair to good condition. Lead-based paints may be present beneath more recent paints, on any original or older painted surfaces. Some bubbling and peeling paint was observed, primarily due to water damage, during the site visit. Given the location of the peeling, this does not represent an immediate hazard or concern.

It is Paterson's understanding that the residential dwelling will be demolished as part of future redevelopment of the site. Prior to any disturbance of potentially hazardous building materials, a designated substance survey (DSS) must be conducted on the current structure, in accordance with Ontario Regulation 490/09 under the Occupational Health and Safety Act.

9.0 STATEMENT OF LIMITATIONS

This Phase I Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04, as amended, and meets the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information as well as a cursory review made at the time of the field inspection. The historical research relies on information supplied by others, such as local, provincial, and federal agencies, and was limited within the scope-of-work, time, and budget of the project herein.

Should any conditions be encountered at the Phase I property and/or historical information that differ from our findings, we request that we be notified immediately in order to allow for a reassessment.

This report was prepared for the sole use of 2704183 Ontario Ltd. Permission and notification from 2704183 Ontario Inc. and Paterson Group will be required to release this report to any other party.

Paterson Group Inc.

K. Martinell

Kelly Martinell, P.Eng

Karyn Munch

Karyn Munch, P.Eng., QP_{ESA}

Report Distribution:

- 2704183 Ontario Ltd.
- Paterson Group Inc.

10.0 REFERENCES

Federal Records

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

Provincial Records

- ❒ MECP: Freedom of Information and Privacy Office.
- ❒ MECP: Municipal Coal Gasification Plant Site Inventory, 1991.
- ❒ MECP: Waste Disposal Site Inventory, 1991.
- ❒ MECP: Brownfields Environmental Site Registry.
- ❒ MECP: Water Well Inventory.
- ❒ Office of Technical Standards and Safety Authority, Fuels Safety Branch.
- ❒ Ministry of Natural Resources and Forestry Areas of Natural Significance.
- ❒ Chapman, L.J., and Putnam, D.F., 1984: 'The Physiography of Southern Ontario, Third Edition', Ontario Geological Survey Special Volume 2.

Municipal Records

- ❒ The City of Ottawa: eMap website.
- ❒ The City of Ottawa: Historical Land Use Inventory Database
- ❒ The City of Ottawa: document entitled, "Old Landfill Management Strategy, Phase I – Identification of Sites", prepared by Golder Associates, 2004.

Local Information Sources

- ❒ Personal Interviews.

Public Information Sources

- ❒ Google Earth.
- ❒ Google Maps/Street View.

Other Sources

- ❒ Environmental Risk Information Services (ERIS) Report

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4842-1R – SITE PLAN

DRAWING PE4842-2R – SURROUNDING LAND USE PLAN

APPENDIX 1

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

SURVEY PLAN

APPENDIX 2

MECP FREEDOM OF INFORMATION SEARCH

TSSA CORRESPONDANCE

SELECT MECP WATER WELL RECORDS

CITY OF OTTAWA HLUI SEARCH

ERIS REPORT

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4842-1R – SITE PLAN

DRAWING PE4842-2R – SURROUNDING LAND USE PLAN

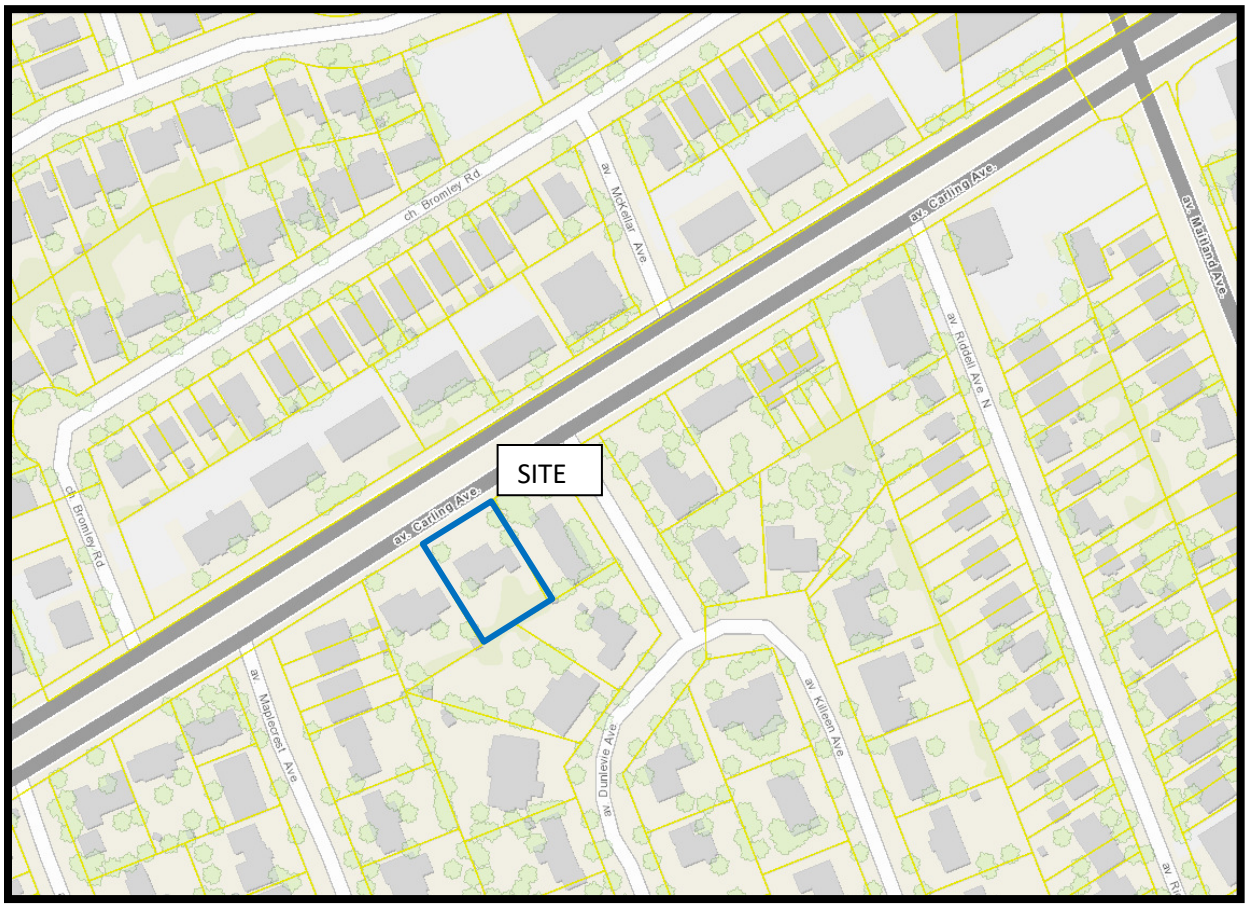


FIGURE 1

KEY PLAN

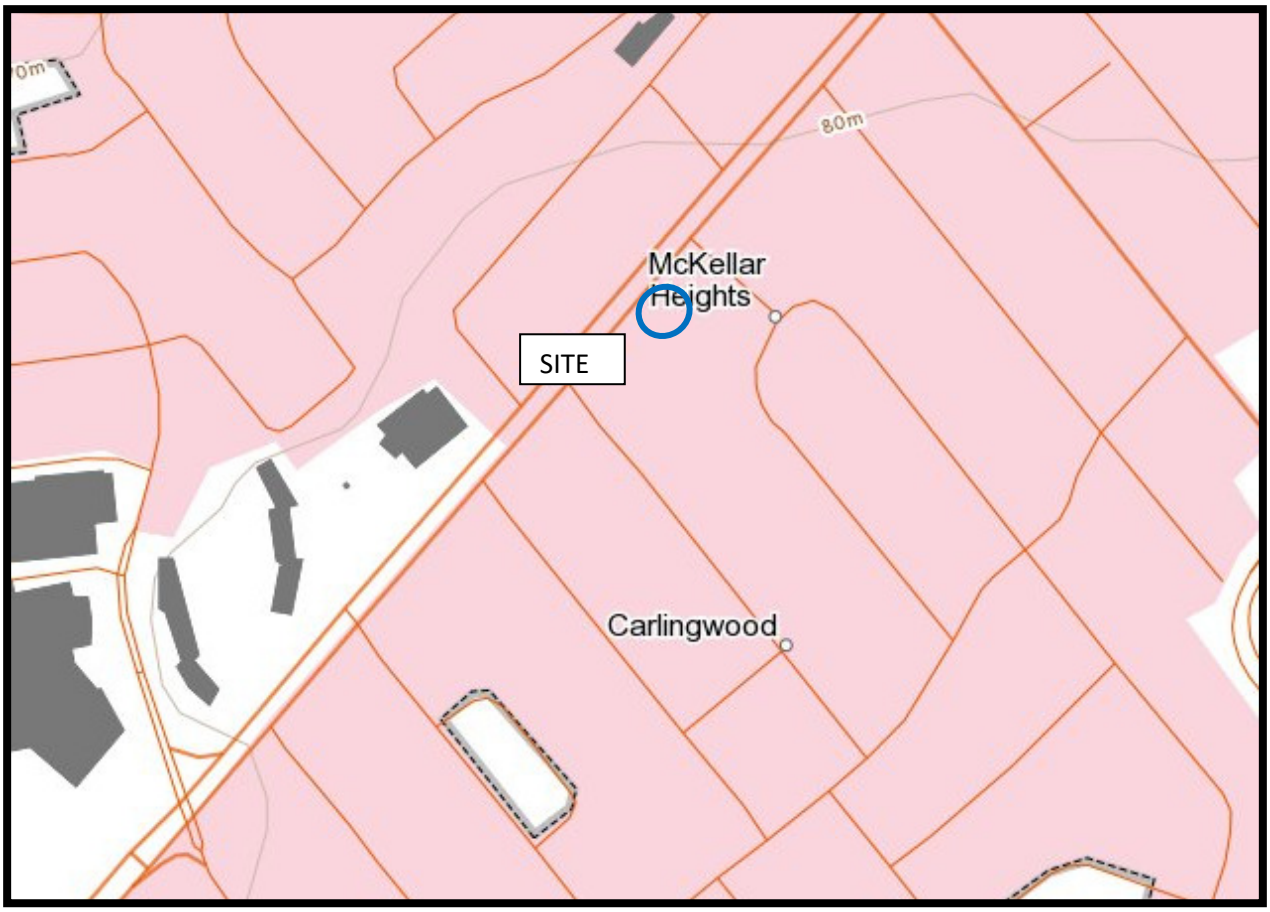


FIGURE 2

TOPOGRAPHIC MAP

#1948 CARLING AVENUE
RESIDENTIAL DWELLING

#824 DUNLEVIE AVENUE
RESIDENTIAL DWELLING

#1939 CARLING AVENUE
RESIDENTIAL APARTMENT BUILDINGS

CARLING AVENUE

GRASS MEDIAN

CARLING AVENUE

PRIVATE GARAGE

NATURAL GAS METER

GRASS

GRASS

ASPHALTIC CONCRETE DRIVEWAY

ONE-STOREY
RESIDENTIAL DWELLING

STONE PATIO

STONE WALKWAY

#1951 CARLING AVENUE
RESIDENTIAL APARTMENT BUILDINGS

GRASS

#832 DUNLEVIE AVENUE
RESIDENTIAL DWELLING

#1948 CARLING AVENUE
RESIDENTIAL DWELLING

patersongroup
consulting engineers

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

NO.	REVISIONS	DATE	INITIAL

2704183 ONTARIO LTD.

PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE
1940 CARLING AVENUE

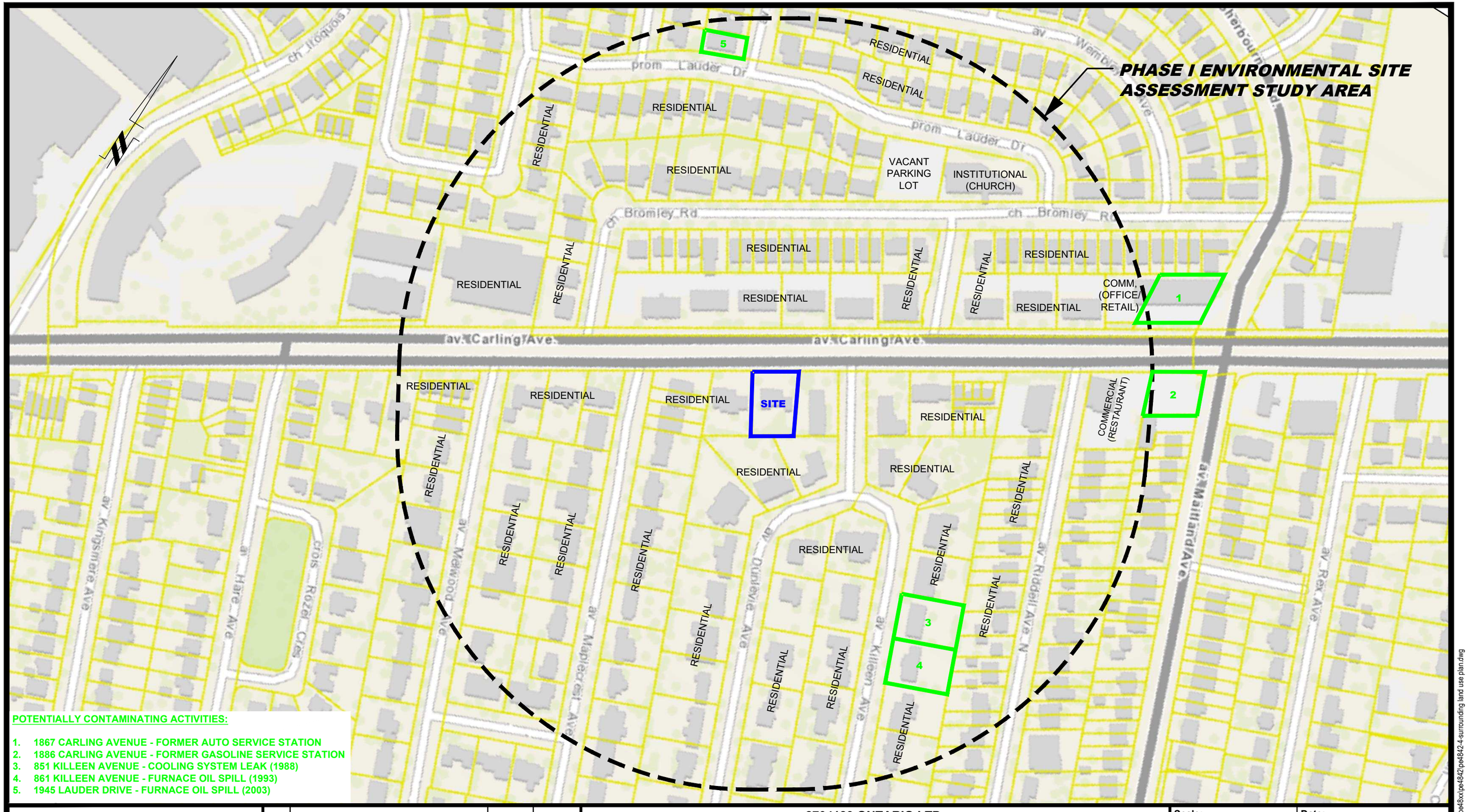
OTTAWA, ONTARIO

Title:

SITE PLAN

Scale: 1:200	Date: 10/2021
Drawn by: NFRV	Report No.: PE4842-REP.01R
Checked by: KAM	Dwg. No.: PE4842-1R
Approved by: MSD	Revision No.:

p:\autocad drawings\environmental\pe48xx\pe4842\pe4842-3-site plan.dwg



POTENTIALLY CONTAMINATING ACTIVITIES:

1. 1867 CARLING AVENUE - FORMER AUTO SERVICE STATION
2. 1886 CARLING AVENUE - FORMER GASOLINE SERVICE STATION
3. 851 KILLEEN AVENUE - COOLING SYSTEM LEAK (1988)
4. 861 KILLEEN AVENUE - FURNACE OIL SPILL (1993)
5. 1945 LAUDER DRIVE - FURNACE OIL SPILL (2003)

patersongroup
consulting engineers

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

NO.	REVISIONS	DATE	INITIAL

2704183 ONTARIO LTD.

PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE
1940 CARLING AVENUE

OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale: 1:2500	Date: 10/2021
Drawn by: NFRV	Report No.: PE4842-REP.01R
Checked by: KAM	Dwg. No.: PE4842-2R
Approved by: MSD	Revision No.:

p:\autocad drawings\environmental\pe4842\pe4842-4-surrounding land use plan.dwg

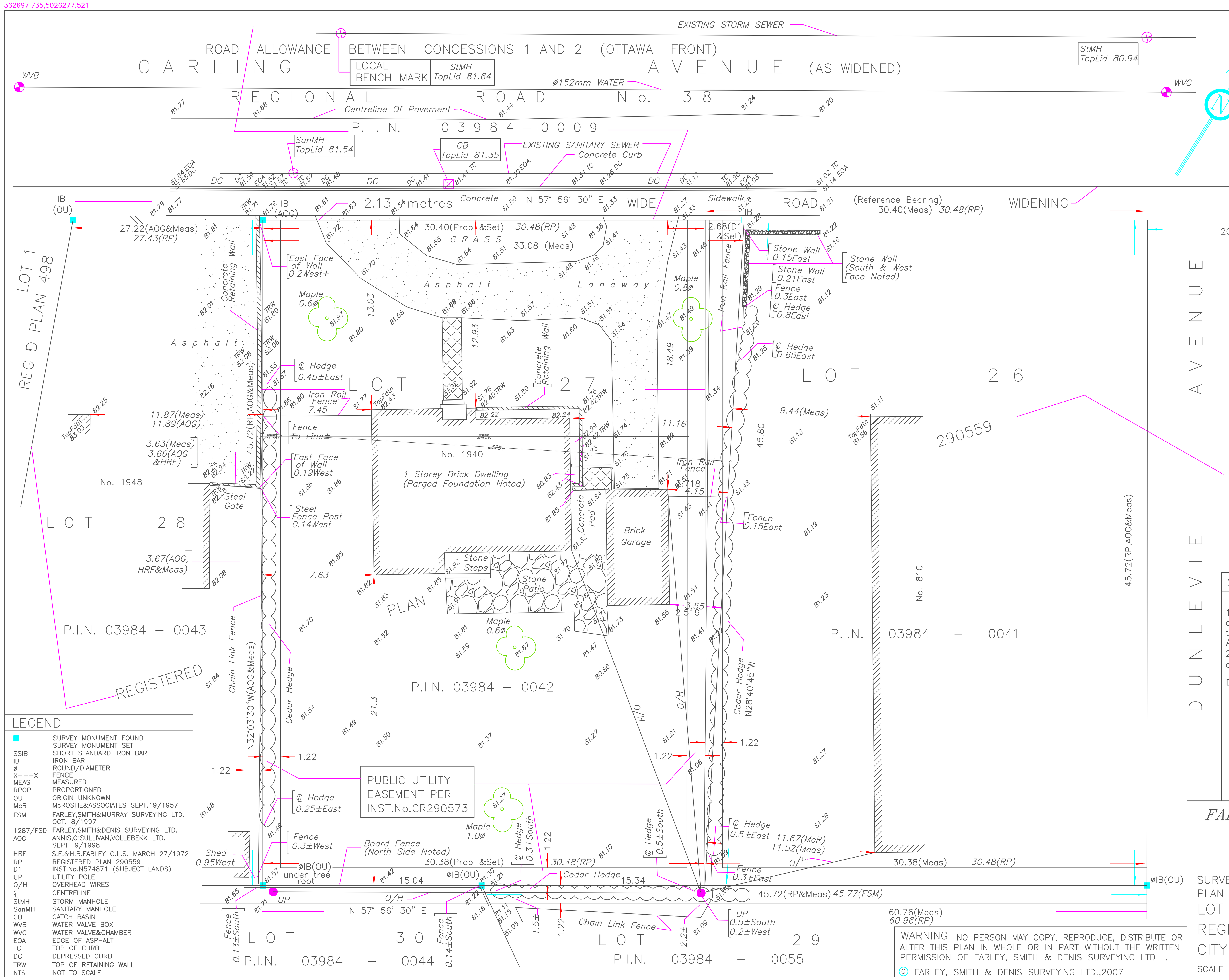
APPENDIX 1

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

SURVEY PLAN

THIS PLAN MUST BE READ IN CONJUNCTION WITH SURVEY REPORT – PART 2, DATED ....JANUARY 4,...........2007



LEGEND

■	SURVEY MONUMENT FOUND
	SURVEY MONUMENT SET
SSIB	SHORT STANDARD IRON BAR
IB	IRON BAR
ø	ROUND/DIAMETER
X---X	FENCE
MEAS	MEASURED
RPOP	PROPORTIONED
OU	ORIGIN UNKNOWN
McR	McROSTIE&ASSOCIATES SEPT.19/1957
FSM	FARLEY,SMITH&MURRAY SURVEYING LTD. OCT. 8/1997
1287/FSD	FARLEY,SMITH&DENIS SURVEYING LTD.
AOG	ANNIS,O'SULLIVAN,VOLLEBEKK LTD. SEPT. 9/1998
HRF	S.E.&H.R.FARLEY O.L.S. MARCH 27/1972
RP	REGISTERED PLAN 290559
D1	INST.No.N574871 (SUBJECT LANDS)
UP	UTILITY POLE
O/H	OVERHEAD WIRES
℄	CENTRELINE
StMH	STORM MANHOLE
SanMH	SANITARY MANHOLE
CB	CATCH BASIN
WVB	WATER VALVE BOX
WVC	WATER VALVE&CHAMBER
EOA	EDGE OF ASPHALT
TC	TOP OF CURB
DC	DEPRESSED CURB
TRW	TOP OF RETAINING WALL
NTS	NOT TO SCALE

BENCH MARK NOTE:

ELEVATIONS ARE GEODETIC AND ARE DERIVED FROM CITY OF OTTWA MONUMENT No.ICS–398 (INDEX No.32), ELEVATION=83.785m.

CAUTION NOTE

1. THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE AND ARE DERIVED FROM CITY OF OTTAWA –WATER DISTRIBUTION PLAN No. 362–026 AND HAVE NOT BEEN VERIFIED IN THE FIELD.
2. IT IS THE RESPONSIBILITY OF THE USER OF THIS INFORMATION TO VERIFY THAT THE LOCAL BENCHMARK HAS NOT BEEN ALTERED OR DISTURBED AND THAT ITS RELATIVE ELEVATION AND DESCRIPTION AGREES WITH THE INFORMATION SHOWN ON THIS DRAWING.

BEARING NOTE:

BEARINGS ARE ASTRONOMIC AND ARE DERIVED FROM THE SOUTHEASTERLY LIMIT OF CARLING AVENUE(AS WIDENED), AS SHOWN ON A SURVEY BY ANNIS,O'SULLIVAN,VOLLEBEKK LTD, DATED SEPT.9,1998, AS BEING N57°56'30"E.

METRIC NOTE:

DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

SCALE 1:200

0 2 4 6 8 10 12 14 16 metres

SURVEYOR'S CERTIFICATE:

I certify that:

1. This survey and plan are correct and in accordance with the Surveys Act, the Surveyors Act, and the Land Titles Act and the regulations made under them.
2. The survey was completed on the 4th day of ...January,,.... 2007

Date :. . . . JANUARY 4, . . . 2007

. . . .
RONALD A. DENIS
ONTARIO LAND SURVEYOR

THIS REPORT WAS PREPARED FOR GUSTAVO BONGARZONE . . . . "the Client", the Client's solicitors, mortgagees and other related parties. The undersigned accepts no responsibility for use by other parties. See Part 2 of this Report.

FARLEY, SMITH & DENIS SURVEYING LTD.
ONTARIO LAND SURVEYORS
CANADA LANDS SURVEYORS
190 COLONNADE ROAD, OTTAWA, ONTARIO K2E 7J5
TEL (613) 727–8226 FAX (613) 727–1823

SURVEYOR'S REAL PROPERTY REPORT – PART 1
PLAN OF

LOT 27 AND PART OF LOT 26
REGISTERED PLAN 290559
CITY OF OTTAWA

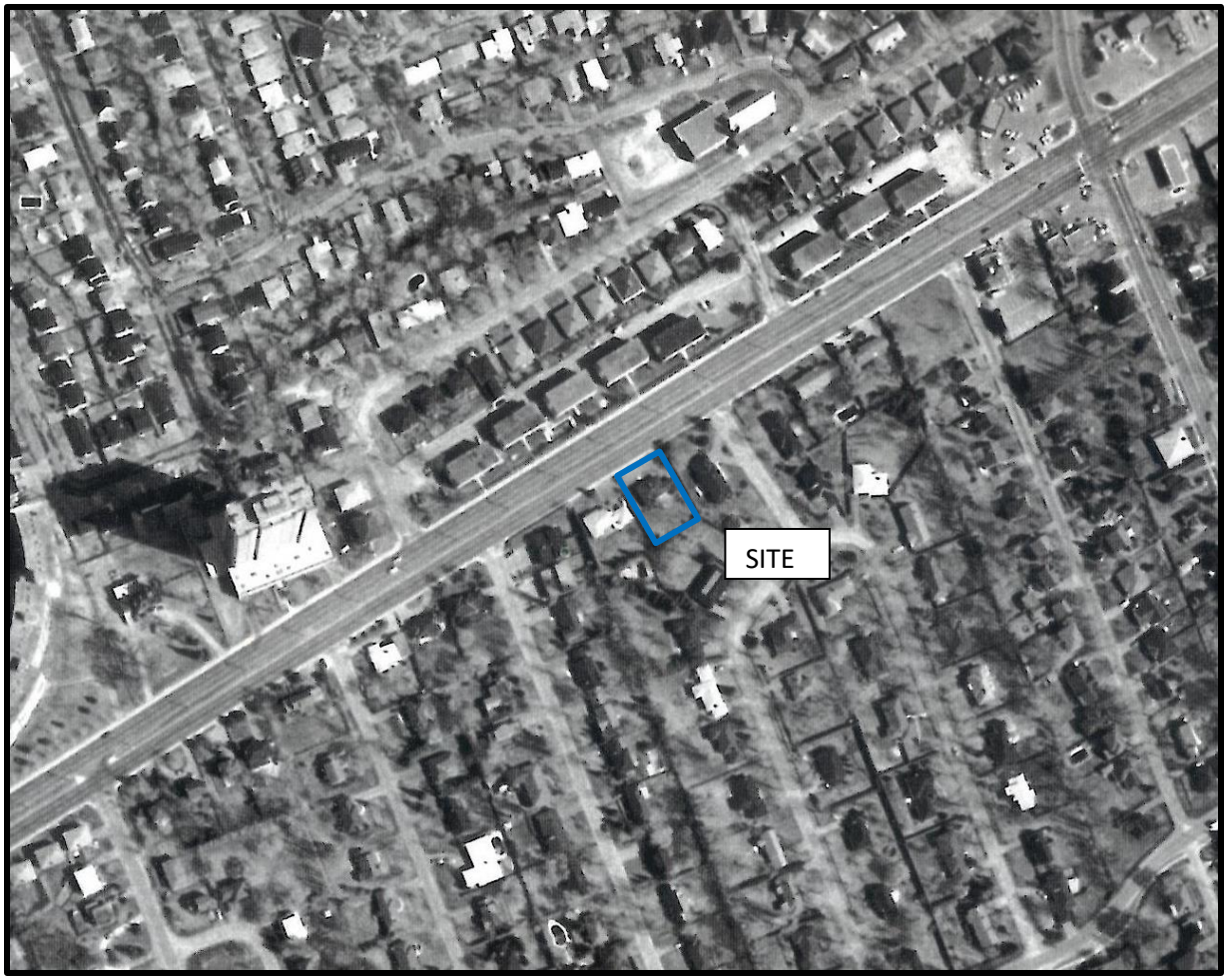
SCALE 1:200	REVISED	JOB No.461–06

J461–06CARLING.DWG

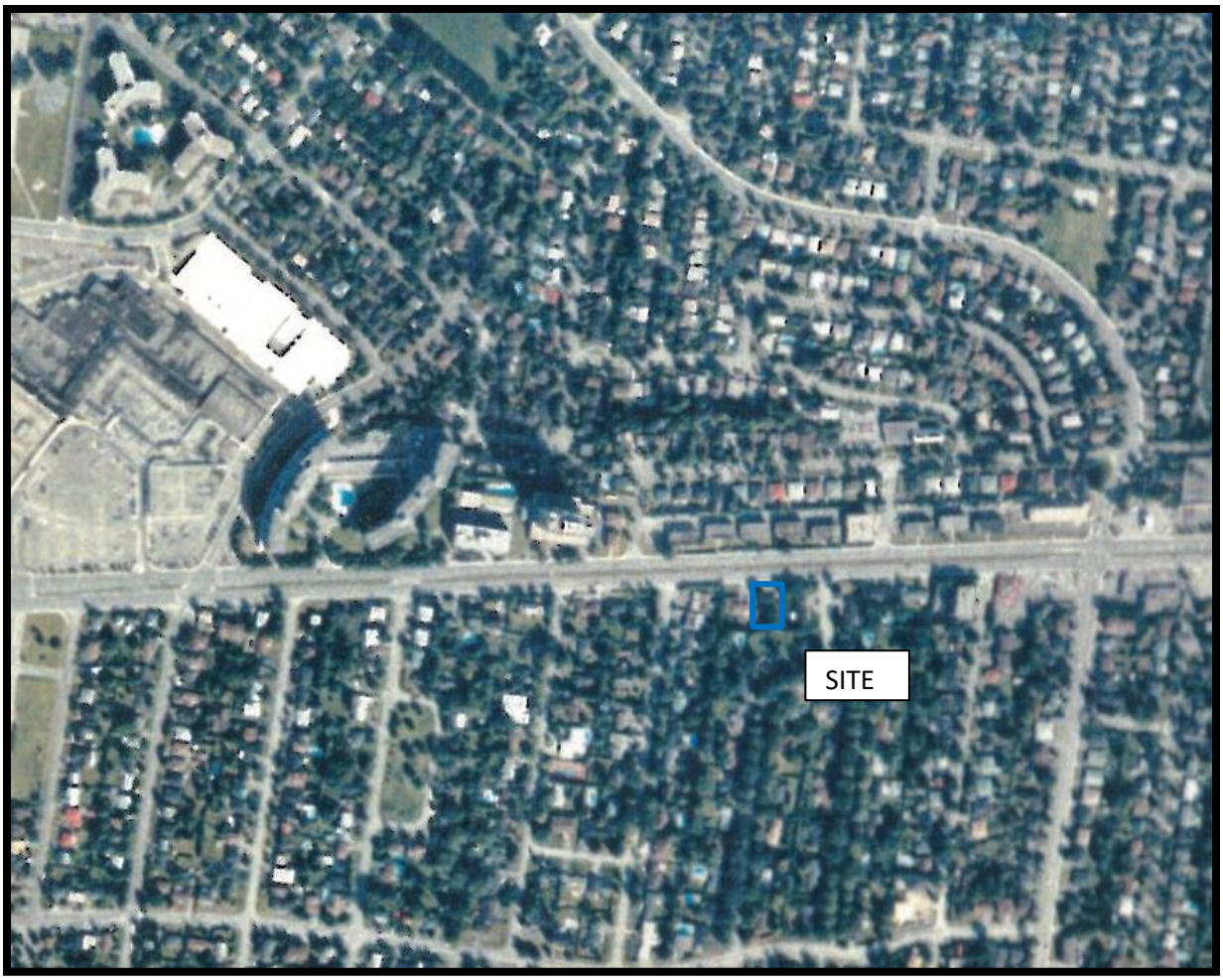
AERIAL PHOTOGRAPH
1946

AERIAL PHOTOGRAPH
1953

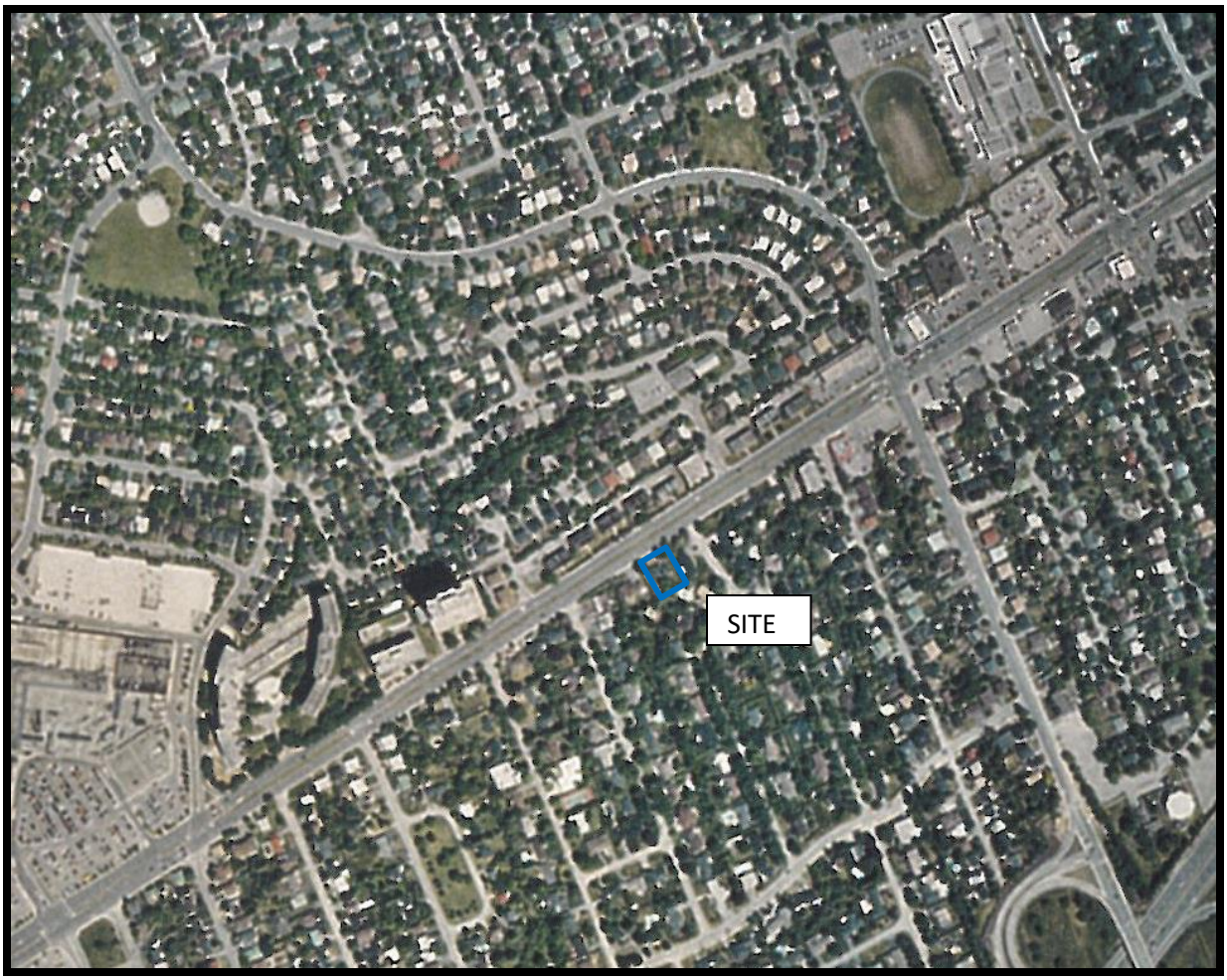
AERIAL PHOTOGRAPH
1962



AERIAL PHOTOGRAPH
1975



AERIAL PHOTOGRAPH
1993



AERIAL PHOTOGRAPH
1999

AERIAL PHOTOGRAPH
2010

AERIAL PHOTOGRAPH
2019

Site Photographs

PE4842 1940 Carling Avenue, Ottawa, Ontario January 15, 2020

Photo 1: View of on-site residence from Carling Avenue, looking southeast.

Photo 2: View of on-site and adjacent residences, looking south.

Photo 3: View of the backyard, looking southeast.

Photo 4: Rear of on-site residence, looking north; vinyl siding delineates storage area between the house and garage.

Site Photographs

Photo 5: East side of on-site residence, looking northwest from rear.

Photo 6: Carling Avenue, followed by apartment buildings, looking northwest.

Photo 7: Phase I property, looking southwest.

Photo 8: Driveway and (private) garage, looking southeast.

APPENDIX 2

MECP FREEDOM OF INFORMATION SEARCH

TSSA CORRESPONDANCE

SELECT MECP WATER WELL RECORDS

CITY OF OTTAWA HLUI SEARCH

ERIS REPORT

Ministry of the Environment, Conservation and Parks

Access and Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

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

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075

Ontario

January 29, 2020

Kelly Martinell
Paterson Group Inc.
154 Colonnade Road
Ottawa, ON K2E 7J5

Dear Kelly Martinell:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2020-00469, Your Reference PE4842

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 1940 Carling Avenue, Ottawa.

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is $30.00 for 1 hour of search time @ $30.00 per hour. **We have applied the $30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Hira Ashraf at 416-314-4075 or hira.ashraf@ontario.ca.

Yours truly,

Hira

Noel Kent
Manager (Acting), Access and Privacy

Kelly Martinell

From: Public Information Services <publicinformationservices@tssa.org>
Sent: October 15, 2021 4:34 PM
To: Kelly Martinell
Subject: RE: Search Request

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

NO RECORD FOUND

Hello,

Thank you for your request for confirmation of public information.

- We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationservices@tssa.org along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind regards,

Mariah

Public Information Agent
Facilities and Business Services
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationservices@tssa.org
www.tssa.org

From: Kelly Martinell
<KMartinell@patersongroup.ca>
Sent: October 15, 2021 4:33 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Search Request

Good afternoon,
Would you please conduct a search of your records for any registered tanks, spills, or incidents/infractions associated with the following properties in Ottawa?

1927, 1939, 1940, 1948, and 1951 Carling Ave
810, 824, 832, and 840 Dunlevie Ave
813 Maplecrest Ave

Thanks,

Kelly Martinell, P.Eng.

patersongroup
solution oriented engineering
over 60 years serving our clients

154 Colonnade Road South
Ottawa, Ontario, K2E 7J5
Tel: (613) 226-7381 Ext. 215

UTM 18 Z 414013810 E
9 R 5012145161 0 N

Elev. 9 R 012610

Basin 25

ONTARIO

The Water-well Drillers Act, 1954
Department of Mines

15 No 8000

RECEIVED
OCT - 6 1955
GEOLOGICAL BRANCH
DEPARTMENT of MINES

Water-Well Record

County or Territorial District Carleton — ~~Township, Village, Town or~~ City Ottawa

[redacted] Village, Town or City) 1940 Carling Ave

[redacted] ddress

Date completed ..... (day) ..... (month) ..... (year)

Pipe and Casing Record

Casing diameter(s) 4

Length(s) 70

Type of screen

Length of screen

Pumping Test

Static level 8'

Pumping rate 300 g.p.m.

Pumping level 16'

Duration of test ½ hr

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
Earth	0	8	60	40	
Light Grey Limestone	8	100	100	88 92	Fresh.

Water Record

For what purpose(s) is the water to be used? Domestic

Is water clear or cloudy? Clear

Is well on upland, in valley, or on hillside? Hillside

Drilling firm S.H. Mulligan

Address Britannia Bay RR# 1 Ont

Name of Driller C.V. Petry

Address Britannia Bay RR# 1 Ont

Licence Number 442

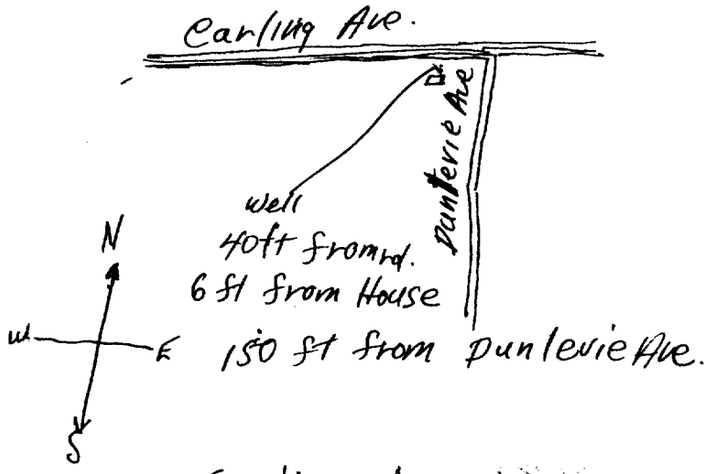
I certify that the foregoing statements of fact are true.

Date Oct 3 C.V. Petry

Signature of Licensee

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 5

UTM 1 8 z 4 4 0 4 0 0 E
9 R 5 0 2 4 5 2 0 N
Do Not Publish
Elev. 0260
Information Not Reliable
Basin
25

SEP 1954 GEOLOGICAL BRANCH DEPARTMENT OF MINES

15 № 8143

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

Water Well Record

[redacted] ...p, ~~Village, Town~~ or City ... Ottawa
[redacted] Town or City) ...
[redacted] ...s ... Dunlevy Ave.

Date Completed ... 8 (day) August (month) 1953 (year) Cost of Well (excluding pump) ...

Pipe and Casing Record		Pumping Test	
Casing diameter(s)	4"	Date	Aug. ~~July~~ 8
Length(s) of casing(s)	20'	Static level	18 feet
Type of screen		Pumping level	20 feet
Length of screen		Pumping rate	18 gals
Distance from top of screen to ground level		Duration of test	1/2 hr
Is well a gravel-wall type?		Distance from cylinder or bowls to ground level	

Water Record

Kind (fresh or mineral) ... fresh
Quality (hard, soft, contains iron, sulphur, etc.) ... hard
Appearance (clear, cloudy, coloured) ... Clear
For what purpose(s) is the water to be used? ... Domestic
How far is well from possible source of contamination? ... 50'
What is the source of contamination? ... Septic tank
Enclose a copy of any mineral analysis that has been made of water ...

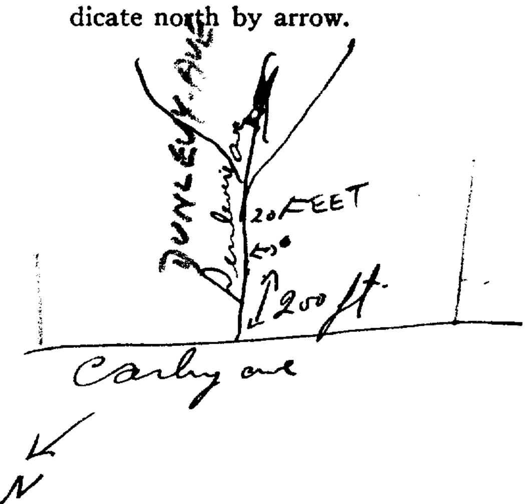
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
75	fresh	57'
95		
109 feet		

Well Log

Overburden and Bedrock Record	From	To
	0 ft.	....ft.
1 - 5 feet cly loam		
5 to 12 feet gravel and boulders		
12 to 110 feet Bly and gray limestone		

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Situation: Is well on upland, in valley, or on hillside? ... level
Drilling Firm ... Gordon Mulligan
Address ... 488 MacLaren St.
Name of Driller ... Moise Renaud ... Address ... 427 Clarence St.
Date ... Licence Number ...

Signature of Licensee

Form 5

Dunlevie Ave

UTM 18 Z 440460 E
9 R 5024580 N
Elev. Q DO NOT PUBLISH 0260
Basin Information Not reliable
25

ONTARIO

RECEIVED
SEP 15 1954
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

15 No. 8149 X

The Well Drillers Act
Department of Mines, Province of Ontario

Water Well Record

[redacted] Village, Town or City Ottawa
[redacted] Town or City)
[redacted] 271 Cambridge
Date Completed 31 (day) Dec (month) 1953 (year) Cost of Well (excluding pump) 1953

Pipe and Casing Record

Casing diameter(s) 4"
Length(s) of casing(s) 20'
Type of screen
Length of screen
Distance from top of screen to ground level
Is well a gravel-wall type?

Pumping Test

Date Dec 31 /53
Static level 8' ft
Pumping level
Pumping rate /
Duration of test 1/2 hr
Distance from cylinder or bowls to ground level

Water Record

Kind (fresh or mineral)
Quality (hard, soft, contains iron, sulphur, etc.)
Appearance (clear, cloudy, coloured)
For what purpose(s) is the water to be used? Domestic
How far is well from possible source of contamination? 50'
What is the source of contamination? Septic tank
Enclose a copy of any mineral analysis that has been made of water

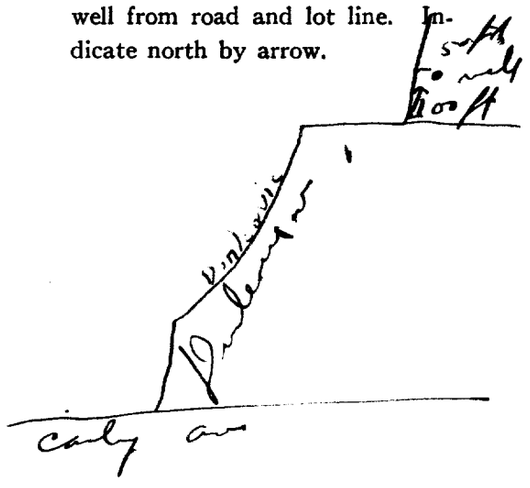
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
150	fresh	120'

Well Log

Overburden and Bedrock Record	From	To
	0 ft.	....ft.
1 to 8 ft. clay		
8 to 150 solid limestone		

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Situation: Is well on upland, in valley, or on hillside?
Drilling Firm Gordon Mulligan Construction Ltd
Address 488 MacLaren St
Name of Driller Marie Renaud Address 427 Clarence
Date Licence Number

Signature of Licensee

FORM 5

Dalhousie Ave

UTM 18 Z 440410 E

9 R 5024560 N

Elev. 9 R 0260

Basin 25

15 No. 8152

RECEIVED
DEC 10 1954
GEOLOGICAL BRANCH
DEPARTMENT of MINES

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

Water Well Record

[redacted], Village, ~~Town of~~ City Ottawa

[redacted] (Town or City)

[redacted] 851 Dunlevie

Date Completed 17 (day) Oct (month) 54 (year) Cost of Well (excluding pump)

Pipe and Casing Record	Pumping Test
Casing diameter(s) 5"	Date 17 Oct 54
Length(s) of casing(s) deepening	Static level 8 ft.
Type of screen well of Nolan & McHughs	Pumping level 55 ft.
Length of screen	Pumping rate 300 GPH
Distance from top of screen to ground level	Duration of test 1/2 hr.
Is well a gravel-wall type?	Distance from cylinder or bowls to ground level

Water Record

Kind (fresh or mineral) fresh

Quality (hard, soft, contains iron, sulphur, etc.) hard

Appearance (clear, cloudy, coloured) clear

For what purpose(s) is the water to be used? house

How far is well from possible source of contamination? 80 ft.

What is the source of contamination? Septic tank

Enclose a copy of any mineral analysis that has been made of water

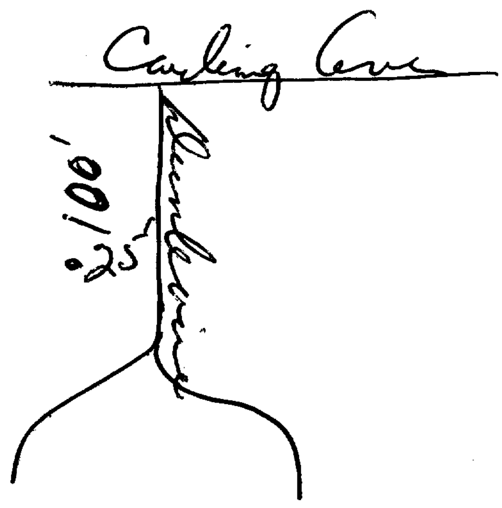
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
160-175	fresh	to 8 ft.

Well Log

Overburden and Bedrock Record	From	To
well was at	0 ft.	140 ft.
limestone to 175		
Previously drilled	0	140
Limestone	140	175

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Situation: Is well on upland, in valley, or on hillside? hillside

Drilling Firm

Address

Name of Driller Ben E. Sparks

Address

Date Oct. 18/54

Licence Number 420

Ben E. Sparks

Signature of Licensee

Form 5

CSS.88

Dunlevie Ave

UTM 18 Z 4404410 E
5 R 5024580 N
Elev. 4 R 0260
Basin 25

ONTARIO

RECEIVED № 8390
SEP - 1 1954
GEOLOGICAL BRANCH
DEPARTMENT of MINES

The Well Drillers Act
Department of Mines, Province of Ontario

Water Well Record

[redacted] ~~ip, Village, Town or~~ City Ottawa
Town or City)
ss. KILLEEN AVE McCELLAR

Date Completed 21 (day) JUNE (month) 54 (year) Cost of Well (excluding pump)

Pipe and Casing Record		Pumping Test	
Casing diameter(s)	5"	Date	
Length(s) of casing(s)	18'	Static level	10'
Type of screen		Pumping level	22
Length of screen		Pumping rate	350 GPH
Distance from top of screen to ground level		Duration of test	1 HOUR
Is well a gravel-wall type?		Distance from cylinder or bowls to ground level	

Water Record

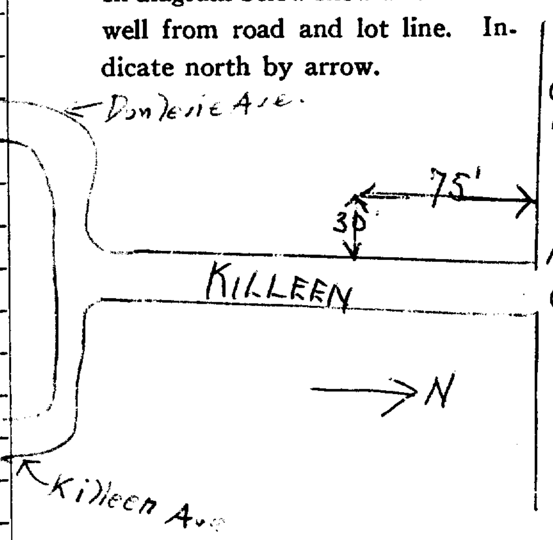
		Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
Kind (fresh or mineral)	FRESH			
Quality (hard, soft, contains iron, sulphur, etc.)	HARD			
Appearance (clear, cloudy, coloured)	CLEAR	90	Good	45
For what purpose(s) is the water to be used?	HOUSE	125	"	100
		140	"	130
How far is well from possible source of contamination?	40'			
What is the source of contamination?	SEPTIC			
Enclose a copy of any mineral analysis that has been made of water				

Well Log

Overburden and Bedrock Record	From	To
CLAY	0 ft.	6 ft.
LIMESTONE		140

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Situation: Is well on upland, in valley, or on hillside? UPLAND
Drilling Firm DOLAN - MOLOUGANEY
Address 246 BREEZE HILL
Name of Driller F. FLEURY Address
Date Licence Number

Signature of Licensee

FORM 5

KILEEN AVE
~~Killeen Ave.~~

UTM 22 | 18 | Z 440330 | E
15 | R 5012414176 | N
Elev. 14 | R 012615
Basin 25 |

ONTARIO

The Well Drillers Act
Department of Mines, Province of Ontario

Water Well Record

[redacted] ~~, Village, Town or~~ City ...... OTTAWA ......
[redacted] own or City) ... MAPLECREST.
[redacted] 271 CAMBRIDGE ST OTTAWA

Date Completed ..... 1 (day) ..... MAY (month) ..... 1954 (year) ..... Cost of Well (excluding pump) 260.00

Pipe and Casing Record		Pumping Test	
Casing diameter(s)	5"	Date	1 MAY 1954
Length(s) of casing(s)	14'	Static level	12'
Type of screen	NIL	Pumping level	16'
Length of screen		Pumping rate	360 GPH
Distance from top of screen to ground level		Duration of test	20 Minutes
Is well a gravel-wall type?	NO	Distance from cylinder or bowls to ground level	Bailer Test

Water Record

Kind (fresh or mineral) ..... fresh
Quality (hard, soft, contains iron, sulphur, etc.) ..... hard
Appearance (clear, cloudy, coloured) ..... clear
For what purpose(s) is the water to be used? ..... domestic
How far is well from possible source of contamination? ..... 30'
What is the source of contamination? ..... septic tank
Enclose a copy of any mineral analysis that has been made of water ..... nil

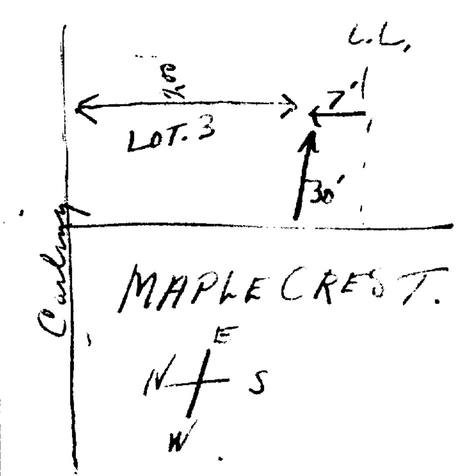
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
60'	fresh	20'
102'	"	90'

Well Log

Overburden and Bedrock Record	From	To
CLAY	0 ft.	10 ft.
LIMESTONE	10	102'

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Situation: Is well on upland, in valley, or on hillside? ..... Upland
Drilling Firm ..... Blair Phillips
Address ..... 614 Gilmour St. Ottawa
Name of Driller ..... M. SZTEPA ..... Address ..... 431 Gladstone Ave
Date ..... 1 May 1954 ..... Licence Number 594

M. Sztepa
Signature of Licensee

FORM 5

maplecrest Ave &
~~CAMBRIDGE ST.~~

File Number: D06-03-20-0015

February 11, 2020

Kelly Martinell
Paterson Group
154 Colonnade Road South
Ottawa, ON
K2E 7J5

Sent via email kmartinell@patersongroup.ca

Dear Kelly Martinell,

Re: Information Request
1940 Carling Ave, Ottawa, Ontario ("Subject Property")

Internal Department Circulation

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

- No information was returned on the Subject Property from Departmental circulation.

Search of Historical Land Use Inventory

This acknowledges receipt of the signed Disclaimer regarding your request for information from the City's Historical Land Use Inventory (HLUI 2005) database for the Subject Property.

A search of the HLUI database revealed the following information:

- There is 1 activity associated with the Subject Property.

The HLUI database was also searched for activity associated with properties located within 250m of the Subject Property. The search revealed the following:

- There are 10 activities associated with properties located within 250m of the Subject Property.

City of Ottawa
Planning, Infrastructure and Economic Development Department

110 Laurier Avenue West, 4th Floor
Ottawa, ON K1P 1J1
Tel: (613) 580-2424 ext. 21690
Fax: (613) 560-6006
www.ottawa.ca

Ville d'Ottawa
Services de la planification, de l'infrastructure et du développement économique

110, avenue Laurier Ouest, 4e étage
Ottawa (Ontario) K1P 1J1
Tél.: (613) 580-2424 ext. 21690
Téléc: (613) 560-6006
www.ottawa.ca

Please note that certain activities have been identified to have a PIN Certainty of “2”. This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the property. All database entries with a PIN Certainty of “2” require independent verification as to their precise location.

A **site map** and **table** have been included to show the location of the Subject Property as well as the location of all the activities noted above, including the HLUI database’s location of the Activity Numbers with a PIN Certainty of “2”.

Additional information may be obtained by contacting:

Ontario’s Environmental Registry

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

The Ontario Land Registry Office

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

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

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

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

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

If you have any further questions or comments, please contact Samantha Dela Pena at 613-580-2424 ext. 21690 or HLUI@ottawa.ca

Sincerely,

Samantha Dela Pena

Per:

Michael Boughton, MCIP, RPP
Senior Planner
Development Review East
Planning Services
Planning, Infrastructure and Economic Development Department

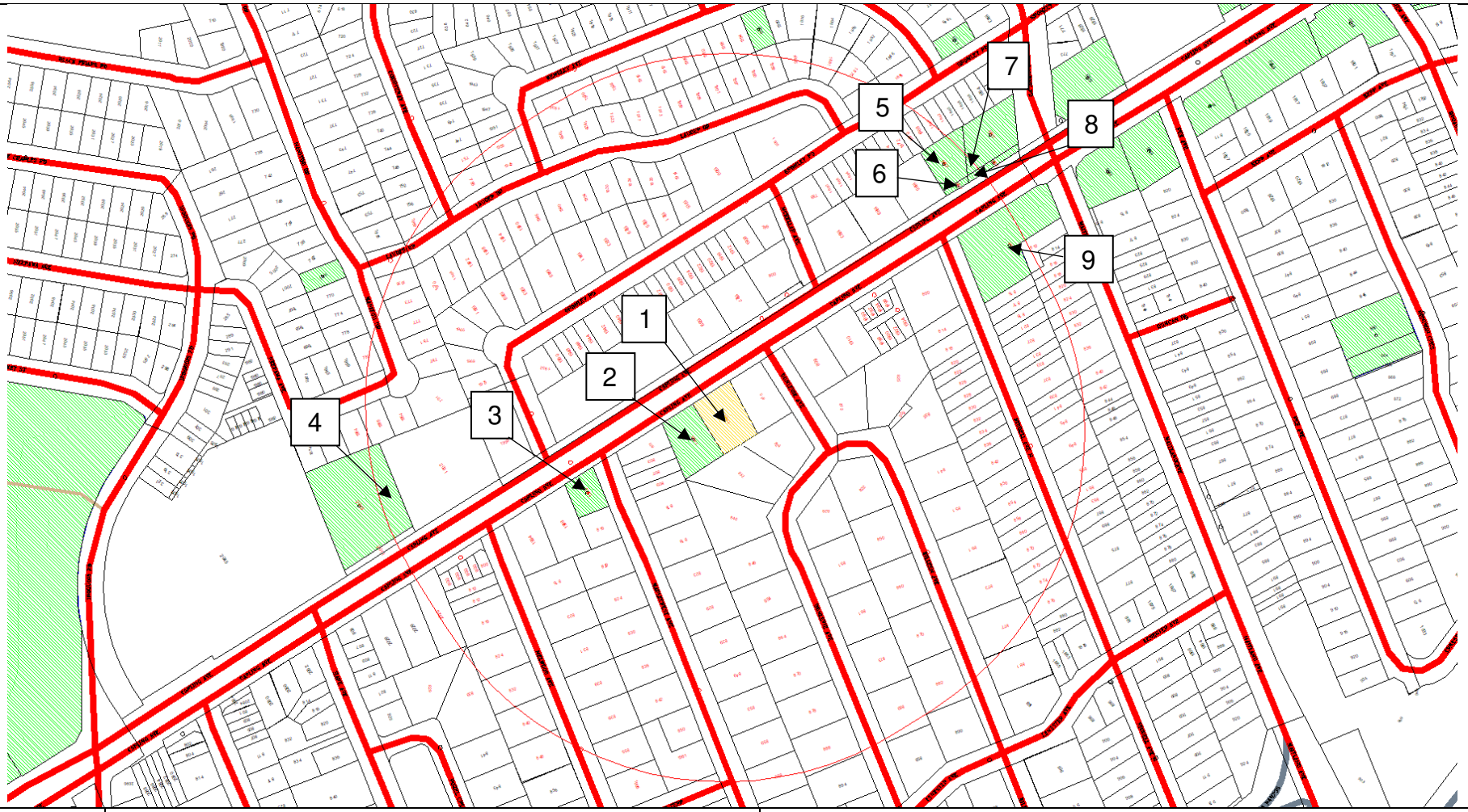
MB / SDP

Enclosures.

cc: File no. D06-03-20-0015

Area	Associated HLUI Activities	HLUI Activities with a PIN Certainty of "2" *
1 *(Subject Property)*	5970	
2	10265	
3	726	
4	6036	
5	10488	11795
6	10488	
7	10488	11795
8	10488	
9	13563	

*This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the property. All database entries with a PIN Certainty of "2" require independent verification as to their precise location.



Scale 1: n/a	1940 Carling Ave Ottawa, ON File # D06-03-20-0015 Samantha Dela Pena	Overview ID# = Area Number ☐ = Subject Site

Historical Land Use Inventory

Area #1 Activity Numbers

CITY OF OTTAWA

HLUI ID: __67905B

AREA (Square Metres): 1457.220

Report: RPTC_OT_DEV0122

Run On: 04 Feb 2020 at: 13:44:20

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	039840042	Y	N

Activity ID: 5970 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 039840042

Name: G B TRADING INC.

Address: 1940 CARLING AVENUE,

Facility Type: Services to Buildings and Dwellings

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
561799	0
561722	0

Company Name	Year of Operation
G B TRADING INC.	c. 2005

Historical Land Use Inventory

Area #2 Activity Numbers

CITY OF OTTAWA

HLUI ID: __67905C

AREA (Square Metres): 1432.801

Report: RPTC_OT_DEV0122

Run On: 04 Feb 2020 at: 13:45:46

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	039840043	N	N

Activity ID: 10265

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) :

Related PINS: 039840043

Name: PAOLETTI TILES

Address: 1948 CARLING AVENUE,

Facility Type: Interior and Finishing Work

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
238340	0

Company Name	Year of Operation
PAOLETTI TILES	c. 2005
PAOLETTI TILES	c. 2001

Historical Land Use Inventory

Area #3 Activity Numbers

CITY OF OTTAWA

HLUI ID: __67905D

AREA (Square Metres): 759.624

Report: RPTC_OT_DEV0122

Run On: 04 Feb 2020 at: 13:46:32

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	039830090	Y	N

Activity ID: 726 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 039830090

Name: AKESON PLUMBING & HEATING

Address: 1980 CARLING AVENUE,

Facility Type: Mechanical Specialty Work

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
238220	0
238210	0
811411	0
238910	0

Company Name	Year of Operation
AKESON PLUMBING & HEATING	c. 2001
AKESON PLUMBING & HEATING	c. 2005

Historical Land Use Inventory

Area #4 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679GHN

AREA (Square Metres): 4532.010

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	152830000	Y	N

Activity ID: 6036 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 1635

Related PINS: 152830000

Name: FRAZER DUNTILE CO.

Address: 2019 CARLING AVENUE, OTTAWA

Facility Type: Ready Mix Concrete Industry

Comments 1: Production of ready mix concrete

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1970, M.1971, S.1970/71

HL References 2:

HL References 3:

NAICS	SIC
327390	354
327990	354
327330	354
327320	355

Company Name	Year of Operation
Frazer Duntile Co.	c. 1970-1971
Moto Mix Concrete Ltd.	c. 1970-1971

Historical Land Use Inventory

Area #5 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679EGZ

AREA (Square Metres): 1033.510

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	039790019	Y	Y

Activity ID: 10488
Multiple PINS: Y
PIN Certainty: 1
Previous Activity ID(s) : 4399
Related PINS: 039790017
Name: PELICAN CLEANERS
Address: 1867 CARLING AVENUE, OTTAWA
Facility Type: Laundries and Cleaners
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: SC98
HL References 2:
HL References 3: 2001 Employment Survey

NAICS	SIC
812320	972
812310	972
812330	972
812310	0
561740	972

Company Name	Year of Operation
PELICAN CLEANERS	c. 2001
Pelican Cleaners	c. 1998

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	039790019	Y	Y

Activity ID: 11795 **Multiple PINS:** Y

PIN Certainty: 2 **Previous Activity ID(s) :** 3327

Related PINS: 039790019

Name: ROYAL BRUNET SERVICE STATION

Address: 1867 CARLING AVENUE, OTTAWA

Facility Type: Motor Vehicle Repair Shops

Comments 1:

Comments 2:

Generator Number:

Storage Tanks: 1 UST - gasoline

HL References 1: FIP1901,vol2; FIP1922,vol2; FIP1956-344-2317,vol 3, M.1960, M.1963, M.1970, M.1980

HL References 2:

HL References 3:

NAICS	SIC
447110	633
447190	633
811121	635
811119	635
811112	635
811199	633

Company Name	Year of Operation
Ward & Kelly Service Station	c. 1956 -1970
Royal Brunet Service Station	c. 1980

Historical Land Use Inventory

Area #6 Activity Numbers

CITY OF OTTAWA

HLUI ID: __67906L

AREA (Square Metres): 96.945

Report: RPTC_OT_DEV0122

Run On: 04 Feb 2020 at: 13:48:44

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	039790017	N	N

Activity ID: 10488 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :** 4399

Related PINS: 039790017

Name: PELICAN CLEANERS

Address: 1867 CARLING AVENUE, OTTAWA

Facility Type: Laundries and Cleaners

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: SC98

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
812320	972
812310	972
812330	972
812310	0
561740	972

Company Name	Year of Operation
PELICAN CLEANERS	c. 2001
Pelican Cleaners	c. 1998

Historical Land Use Inventory

Area #7 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679FR4

AREA (Square Metres): 1569.412

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	039790020	Y	Y

Activity ID: 10488 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :** 4399

Related PINS: 039790017

Name: PELICAN CLEANERS

Address: 1867 CARLING AVENUE, OTTAWA

Facility Type: Laundries and Cleaners

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: SC98

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
812320	972
812310	972
812330	972
812310	0
561740	972

Company Name	Year of Operation
PELICAN CLEANERS	c. 2001
Pelican Cleaners	c. 1998

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	039790020	Y	Y

Activity ID: 11795 **Multiple PINS:** Y

PIN Certainty: 2 **Previous Activity ID(s) :** 3327

Related PINS: 039790019

Name: ROYAL BRUNET SERVICE STATION

Address: 1867 CARLING AVENUE, OTTAWA

Facility Type: Motor Vehicle Repair Shops

Comments 1:

Comments 2:

Generator Number:

Storage Tanks: 1 UST - gasoline

HL References 1: FIP1901,vol2; FIP1922,vol2; FIP1956-344-2317,vol 3, M.1960, M.1963, M.1970, M.1980

HL References 2:

HL References 3:

NAICS	SIC
447110	633
447190	633
811121	635
811119	635
811112	635
811199	633

Company Name	Year of Operation
Ward & Kelly Service Station	c. 1956 -1970
Royal Brunet Service Station	c. 1980

Historical Land Use Inventory

Area #8 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679A2L

AREA (Square Metres): 216.706

Report: RPTC_OT_DEV0122

Run On: 04 Feb 2020 at: 13:55:06

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	039790017	N	N

Activity ID: 10488 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :** 4399

Related PINS: 039790017

Name: PELICAN CLEANERS

Address: 1867 CARLING AVENUE, OTTAWA

Facility Type: Laundries and Cleaners

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: SC98

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
812320	972
812310	972
812330	972
812310	0
561740	972

Company Name	Year of Operation
PELICAN CLEANERS	c. 2001
Pelican Cleaners	c. 1998

Historical Land Use Inventory

Area #9 Activity Numbers

CITY OF OTTAWA

HLUI ID: __679FAN

AREA (Square Metres): 3441.255

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	039840056	Y	N

Activity ID: 13563 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 2626, 5710

Related PINS: 039840056

Name: TED DAVIDSON AND SONS

Address: 1868 CARLING AVENUE, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1:

Comments 2:

Generator Number:

Storage Tanks: Two USTs located in the north east corner

HL References 1: M.1957, M.1960, M.1970, M.1980; FIP1957-404-40401,vol4

HL References 2:

HL References 3:

NAICS	SIC
811199	633
447190	633
447110	633

Company Name	Year of Operation
Unnamed Gasoline Service Station	c. 1957
Ted Davidson and Sons	c. 1980
Winston Cross Fina Station	c. 1970

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*1940 Carling* *1940 Carling* *Ottawa ON K2A 1E8*
Project No:	*PE4842; PO# 28332*
Report Type:	*Standard Report*
Order No:	*20200114246*
Requested by:	*Paterson Group Inc.*
Date Completed:	*January 17, 2020*

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:	*1940 Carling* *1940 Carling Ottawa ON K2A 1E8*
Project No:	*PE4842; PO# 28332*

Coordinates:

Latitude:	*45.374123*
Longitude:	*-75.7608527*
UTM Northing:	*5,024,793.62*
UTM Easting:	*440,424.72*
UTM Zone:	*18T*

Elevation: *262 FT*
79.95 M

Order Information:

Order No:	*20200114246*
Date Requested:	*January 14, 2020*
Requested by:	*Paterson Group Inc.*
Report Type:	*Standard Report*

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	4	4
CA	Certificates of Approval	Y	0	5	5
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	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
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	5	5
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	4	4
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
FED TANKS	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	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	5	5
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	1	1
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	7	7
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	46	46
	Total:		0	80	80

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	WWIS		ON **Well ID:** 1508390	ENE/18.0	-0.07	26
2	WWIS		ON **Well ID:** 1508000	WSW/18.2	0.24	28
3	WWIS		ON **Well ID:** 1508152	ESE/19.8	0.00	31
4	WWIS		ON **Well ID:** 1508143	S/52.0	0.73	33
5	WWIS		ON **Well ID:** 1508149	E/66.5	-0.07	36
6	WWIS		ON **Well ID:** 1508151	ENE/71.8	-0.07	38
7	WWIS		ON **Well ID:** 1508135	S/86.7	0.93	41
8	WWIS		ON **Well ID:** 1508132	SE/87.9	0.93	43
9	EHS		1983 Carling Avenue Ottawa ON K2A 1E9	W/89.8	-0.07	46
10	WWIS		ON **Well ID:** 1507979	SE/90.9	0.93	46
11	WWIS		ON **Well ID:** 1508387	ESE/104.4	0.93	48
11	WWIS		ON	ESE/104.4	0.93	50

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1508392			
12	EHS		1983 Carling Ave Ottawa ON K2A1E9	WNW/106.6	-0.07	53
13	WWIS		ON ***Well ID:*** 1508385	ESE/110.6	0.62	53
13	WWIS		ON ***Well ID:*** 1508389	ESE/110.6	0.62	55
14	WWIS		ON ***Well ID:*** 1508142	SE/116.0	0.93	58
15	WWIS		ON ***Well ID:*** 1508463	SW/120.1	0.93	60
16	WWIS		lot 28 con 2 ON ***Well ID:*** 1510600	SSE/120.7	0.93	63
17	WWIS		ON ***Well ID:*** 1508461	WSW/120.8	0.93	65
18	WWIS		ON ***Well ID:*** 1507978	ENE/130.4	-0.77	67
19	SPL	City of Ottawa	Carling Ave at Bromley Ottawa ON	WSW/134.8	-0.07	70
20	WWIS		ON ***Well ID:*** 1508130	ESE/136.1	0.62	70
21	CA	DRMG Development Ltd.	1908 Carling Ave Ottawa ON K2A 1E7	ENE/141.3	-0.77	73
21	CA	DRMG Development Ltd.	1908 Carling Ave Ottawa ON K2A 1E7	ENE/141.3	-0.77	74
21	ECA	DRMG Development Ltd.	1908 Carling Ave Ottawa ON K1V 2B2	ENE/141.3	-0.77	74

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
21	ECA	DRMG Development Ltd.	1908 Carling Ave Ottawa ON K1V 2B2	ENE/141.3	-0.77	74
22	BORE		ON	NNE/143.1	-1.07	74
23	BORE		ON	SW/148.5	0.93	76
24	WWIS		lot 28 con 2 ON ***Well ID:*** 1510604	SW/148.6	0.93	77
25	WWIS		ON ***Well ID:*** 1508136	SE/151.9	0.93	79
26	BORE		ON	NE/166.6	-1.07	82
27	WWIS		ON ***Well ID:*** 1508786	E/178.8	0.62	83
28	HINC		818 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9	E/180.9	-0.07	86
29	WWIS		ON ***Well ID:*** 1508388	SE/182.2	0.93	86
30	WWIS		ON ***Well ID:*** 1508465	SW/189.7	0.93	88
31	HINC		826 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9	E/189.7	-0.07	91
32	WWIS		ON ***Well ID:*** 1508791	ENE/190.2	-0.07	91
32	WWIS		ON	ENE/190.2	-0.07	94

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1508793			
33	WWIS		ON ***Well ID:*** 1508460	S/191.8	1.93	96
34	WWIS		lot 28 con 2 ON ***Well ID:*** 1510602	E/192.2	-0.07	99
35	SPL	Enbridge Energy Distribution Inc.	851 Killeen Ave. Ottawa ON	ESE/194.2	0.93	101
36	HINC		830 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9	E/195.8	-0.07	102
37	SPL	ONTARIO HYDRO	851 KILLEEN ANE TRANSFORMER OTTAWA CITY ON K2A 2X8	ESE/197.3	0.93	102
38	WWIS		ON ***Well ID:*** 1508776	E/201.3	-0.07	103
38	WWIS		ON ***Well ID:*** 1508777	E/201.3	-0.07	105
39	WWIS		ON ***Well ID:*** 1508384	ESE/202.8	0.93	108
40	WWIS		ON ***Well ID:*** 1508141	S/203.3	1.93	110
41	WWIS		ON ***Well ID:*** 1508792	E/206.3	-0.07	113
42	WWIS		ON ***Well ID:*** 1507985	WSW/206.7	0.93	115
43	WWIS		ON ***Well ID:*** 1508483	SW/207.7	0.93	117
43	WWIS		ON	SW/207.7	0.93	120

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1508482			
44	WWIS		ON ***Well ID:*** 1508383	ESE/211.8	0.93	122
45	WWIS		ON ***Well ID:*** 1508462	SSW/214.3	1.93	125
46	WWIS		ON ***Well ID:*** 1508486	SW/214.4	1.77	127
47	WWIS		lot 28 con 2 ON ***Well ID:*** 1510601	SSW/215.2	1.93	129
48	WWIS		ON ***Well ID:*** 1508138	SSE/217.7	1.93	133
49	WWIS		ON ***Well ID:*** 1508134	SSE/219.2	1.93	135
50	GEN	HOMESTEAD LANDHOLDINGS	2001 CARLING AVE OTTAWA ON K2A 3W5	W/219.2	-0.07	138
50	EHS		2001 Carling Ave Ottawa ON K2A 3W5	W/219.2	-0.07	138
50	SPL		2001 Carling Ave. Westbound lane Ottawa ON	W/219.2	-0.07	138
50	GEN	Homestead Land Holdings Ltd.	2001 CARLING AVENUE OTTAWA ON K2A 3W5	W/219.2	-0.07	138
50	GEN	Homestead Land Holdings Ltd. Homestead Land Holdings Ltd.	2001 Carling Avenue OTTAWA ON K2A 3W5	W/219.2	-0.07	139
51	EHS		2001 Carling Ave Ottawa ON K2A3W5	W/219.2	-0.07	139
52	WWIS		ON	ENE/220.4	-0.77	139

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1508788			
53	SPL	PETRO-CANADA	861 KILEEN AVENUE TANK TRUCK (CARGO) OTTAWA CITY ON	ESE/221.2	0.93	142
54	WWIS		ON ***Well ID:*** 1508139	SSE/224.5	1.93	142
55	HINC		850 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9	E/225.7	0.62	144
56	CA	4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1G2	WSW/227.0	0.93	145
56	CA	4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1G2	WSW/227.0	0.93	145
56	CA	4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1G2	WSW/227.0	0.93	146
56	ECA	4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1P4	WSW/227.0	0.93	146
56	ECA	4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1P4	WSW/227.0	0.93	146
56	ECA	4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1P4	WSW/227.0	0.93	146
57	BORE		ON	SSE/231.1	1.93	147
58	WWIS		ON ***Well ID:*** 1508778	E/233.0	0.62	148
59	HINC		858 RIDDELLL AVENUE NORTH OTTAWA ON	ESE/240.4	0.93	151
60	PINC		873 Killeen Avenue, Ottawa ON	ESE/244.2	0.93	152

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
61	WWIS		ON **Well ID:** 1508133	SE/245.8	1.93	152
62	SPL	Enbridge Gas Distribution Inc.	873 Killen Ave Ottawa ON	ESE/246.5	0.93	155
63	SPL	S. 21	1945 LAUDER STREET<UNOFFICIAL> Ottawa ON K2A 1B2	NW/247.6	-2.07	155

Executive Summary: Summary By Data Source

BORE - Borehole

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	SW	148.46	23
	ON	SSE	231.10	57

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	NNE	143.14	22
	ON	NE	166.59	26

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 5 CA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1G2	WSW	226.99	56
4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1G2	WSW	226.99	56
4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1G2	WSW	226.99	56

Lower Elevation	Address	Direction	Distance (m)	Map Key
DRMG Development Ltd.	1908 Carling Ave Ottawa ON K2A 1E7	ENE	141.31	21
DRMG Development Ltd.	1908 Carling Ave Ottawa ON K2A 1E7	ENE	141.31	21

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Dec 31, 2019 has found that there are 5 ECA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1P4	WSW	226.99	56
4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1P4	WSW	226.99	56
4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1P4	WSW	226.99	56

Lower Elevation	Address	Direction	Distance (m)	Map Key
DRMG Development Ltd.	1908 Carling Ave Ottawa ON K1V 2B2	ENE	141.31	21
DRMG Development Ltd.	1908 Carling Ave Ottawa ON K1V 2B2	ENE	141.31	21

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Oct 31, 2019 has found that there are 4 EHS site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	1983 Carling Avenue Ottawa ON K2A 1E9	W	89.81	9

	1983 Carling Ave Ottawa ON K2A1E9	WNW	106.63	12
	2001 Carling Ave Ottawa ON K2A 3W5	W	219.20	50
	2001 Carling Ave Ottawa ON K2A3W5	W	219.24	51

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2019 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
Homestead Land Holdings Ltd. Homestead Land Holdings Ltd.	2001 Carling Avenue OTTAWA ON K2A 3W5	W	219.20	50
Homestead Land Holdings Ltd.	2001 CARLING AVENUE OTTAWA ON K2A 3W5	W	219.20	50
HOMESTEAD LANDHOLDINGS	2001 CARLING AVE OTTAWA ON K2A 3W5	W	219.20	50

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 5 HINC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	850 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9	E	225.72	55
	858 RIDDELLL AVENUE NORTH OTTAWA ON	ESE	240.44	59

Lower Elevation	Address	Direction	Distance (m)	Map Key
	818 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9	E	180.92	28
	826 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9	E	189.72	31
	830 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9	E	195.77	36

PINC - Pipeline Incidents

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	873 Killeen Avenue, Ottawa ON	ESE	244.15	60

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2019 has found that there are 7 SPL site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Enbridge Energy Distribution Inc.	851 Killeen Ave. Ottawa ON	ESE	194.19	35
ONTARIO HYDRO	851 KILLEEN ANE TRANSFORMER OTTAWA CITY ON K2A 2X8	ESE	197.34	37
PETRO-CANADA	861 KILEEN AVENUE TANK TRUCK (CARGO) OTTAWA CITY ON	ESE	221.21	53
Enbridge Gas Distribution Inc.	873 Killen Ave Ottawa ON	ESE	246.52	62

Lower Elevation	Address	Direction	Distance (m)	Map Key
City of Ottawa	Carling Ave at Bromley Ottawa ON	WSW	134.76	19
	2001 Carling Ave. Westbound lane Ottawa ON	W	219.20	50
S. 21	1945 LAUDER STREET<UNOFFICIAL> Ottawa ON K2A 1B2	NW	247.65	63

WWIS - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 46 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON ***Well ID:*** 1508000	WSW	18.21	2
	ON ***Well ID:*** 1508152	ESE	19.76	3
	ON ***Well ID:*** 1508143	S	51.97	4
	ON ***Well ID:*** 1508135	S	86.72	7
	ON ***Well ID:*** 1508132	SE	87.91	8
	ON ***Well ID:*** 1507979	SE	90.90	10
	ON ***Well ID:*** 1508387	ESE	104.42	11

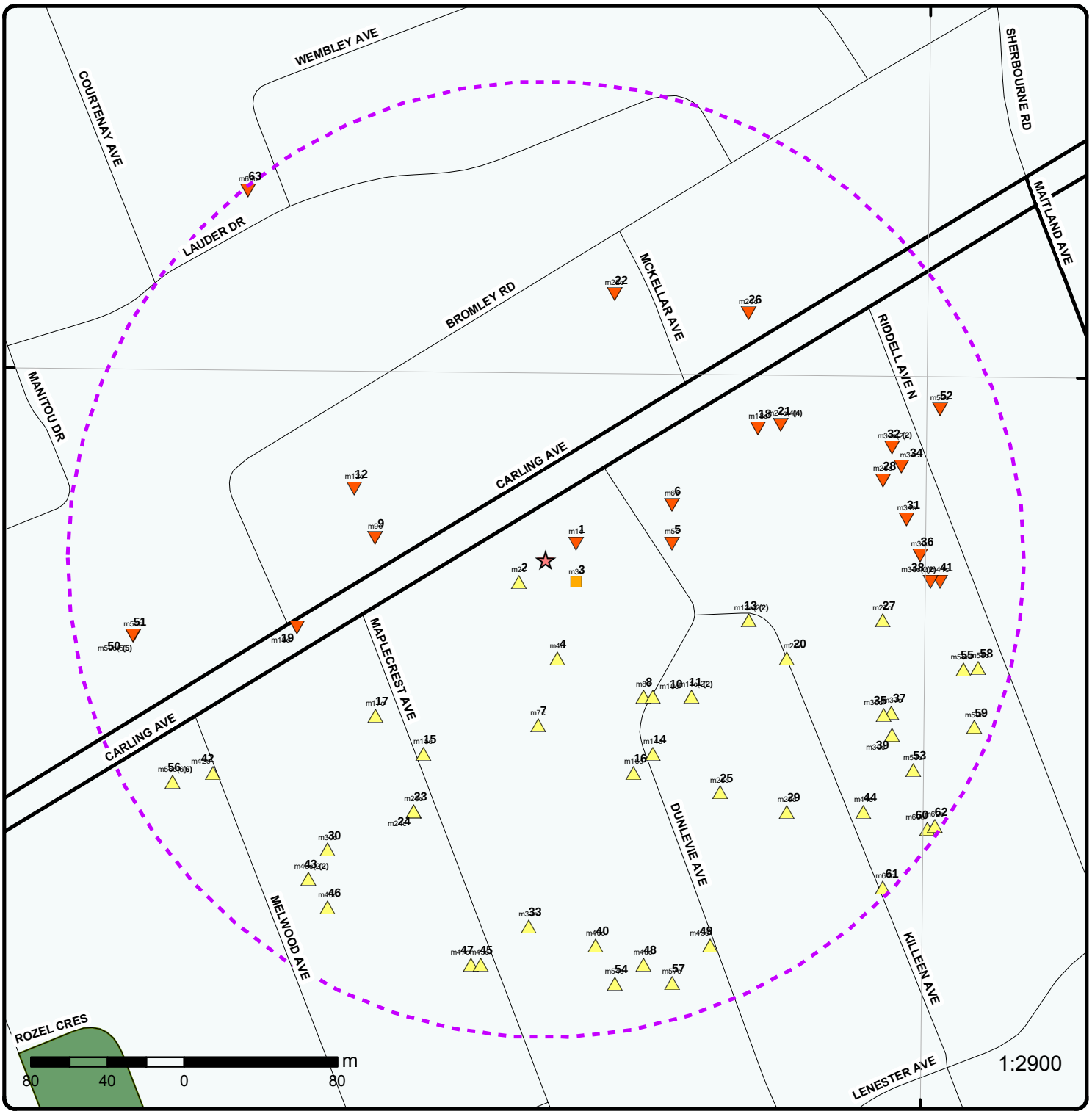
Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON ***Well ID:*** 1508392	ESE	104.42	11
	ON ***Well ID:*** 1508385	ESE	110.60	13
	ON ***Well ID:*** 1508389	ESE	110.60	13
	ON ***Well ID:*** 1508142	SE	116.02	14
	ON ***Well ID:*** 1508463	SW	120.11	15
	lot 28 con 2 ON ***Well ID:*** 1510600	SSE	120.72	16
	ON ***Well ID:*** 1508461	WSW	120.78	17
	ON ***Well ID:*** 1508130	ESE	136.14	20
	lot 28 con 2 ON ***Well ID:*** 1510604	SW	148.62	24
	ON ***Well ID:*** 1508136	SE	151.89	25
	ON ***Well ID:*** 1508786	E	178.80	27
	ON	SE	182.20	29

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Well ID: 1508388			
	ON	SW	189.71	30
	Well ID: 1508465			
	ON	S	191.84	33
	Well ID: 1508460			
	ON	ESE	202.85	39
	Well ID: 1508384			
	ON	S	203.29	40
	Well ID: 1508141			
	ON	WSW	206.75	42
	Well ID: 1507985			
	ON	SW	207.71	43
	Well ID: 1508483			
	ON	SW	207.71	43
	Well ID: 1508482			
	ON	ESE	211.83	44
	Well ID: 1508383			
	ON	SSW	214.34	45
	Well ID: 1508462			
	ON	SW	214.45	46
	Well ID: 1508486			
	lot 28 con 2 ON	SSW	215.19	47
	Well ID: 1510601			

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON ***Well ID:*** 1508138	SSE	217.68	48
	ON ***Well ID:*** 1508134	SSE	219.19	49
	ON ***Well ID:*** 1508139	SSE	224.52	54
	ON ***Well ID:*** 1508778	E	232.96	58
	ON ***Well ID:*** 1508133	SE	245.81	61

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON ***Well ID:*** 1508390	ENE	18.04	1
	ON ***Well ID:*** 1508149	E	66.51	5
	ON ***Well ID:*** 1508151	ENE	71.82	6
	ON ***Well ID:*** 1507978	ENE	130.35	18
	ON ***Well ID:*** 1508791	ENE	190.16	32
	ON ***Well ID:*** 1508793	ENE	190.16	32

lot 28 con 2 ON ***Well ID:*** 1510602	E	192.17	**34**
ON ***Well ID:*** 1508776	E	201.31	**38**
ON ***Well ID:*** 1508777	E	201.31	**38**
ON ***Well ID:*** 1508792	E	206.31	**41**
ON ***Well ID:*** 1508788	ENE	220.39	**52**



Map : 0.25 Kilometer Radius

Order Number: 20200114246

Address: 1940 Carling, Ottawa, ON

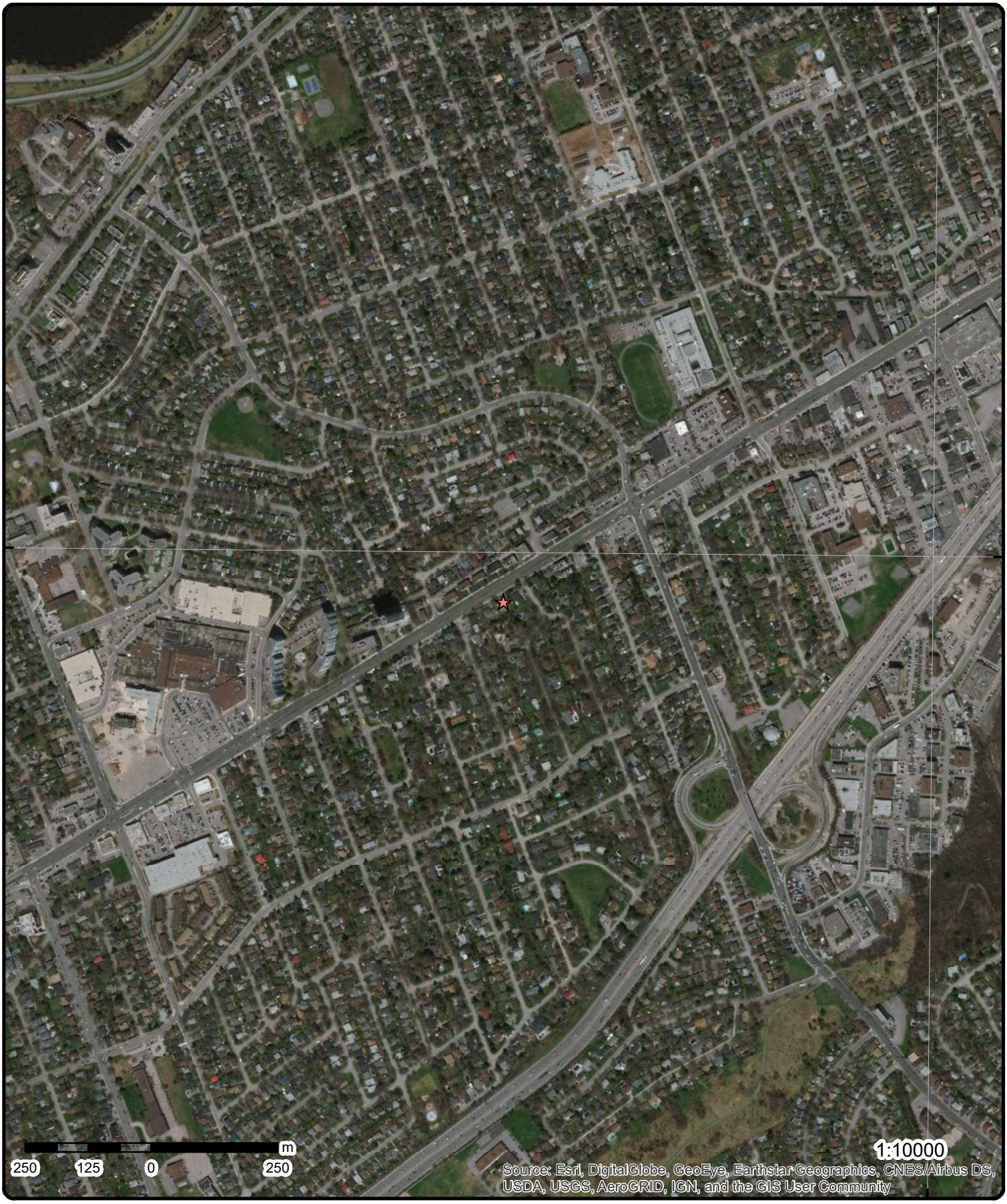
ENVIRONMENTAL RISK INFORMATION SERVICES

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

Source: © 2015 DMTI Spatial Inc.

75°45'W

45°22'30"N



45°22'30"N

Aerial

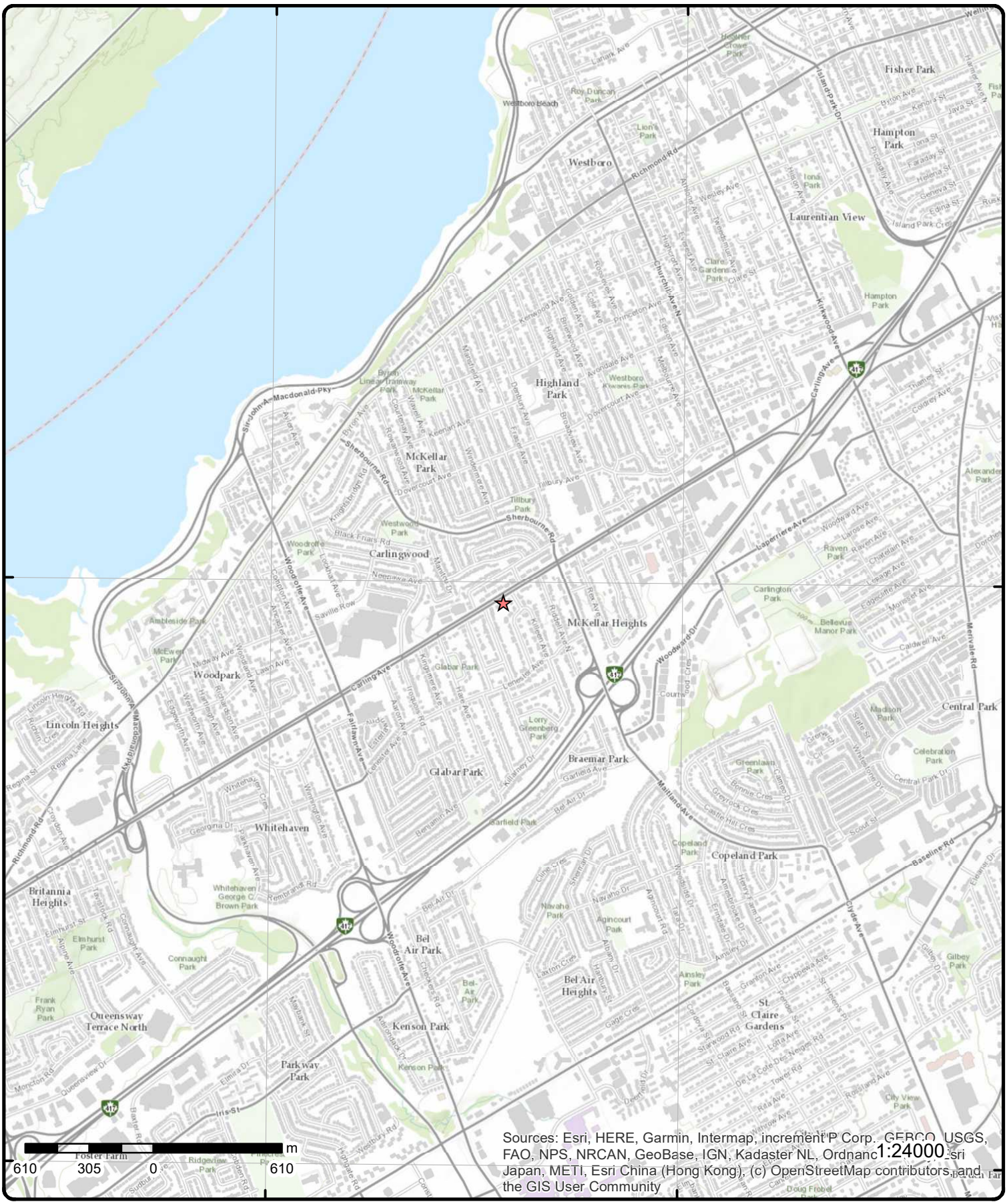
Year: 1905

Address: 1940 Carling, Ottawa, ON

Source: ESRI World Imagery

Order Number: 20200114246

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: 1940 Carling, ON

Source: ESRI World Topographic Map

Order Number: 20200114246

ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	ENE/18.0	79.9 / -0.07	ON	WWIS

Well ID:	1508390	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	9/1/1954
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3701
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030424	**Elevation:**	81.266136
DP2BR:	6	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440440.7
Code OB Desc:	Bedrock	**North83:**	5024802
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	6/21/1954	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931009558
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	

Other Materials:
Formation Top Depth: 6
Formation End Depth: 140
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009557
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10578994
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053496
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 18
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053497
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 140
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991508390
Pump Set At:	
Static Level:	10
Final Level After Pumping:	22
Recommended Pump Depth:	
Pumping Rate:	6
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:	1
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933462874
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90
Water Found Depth UOM:	ft

Water Details

Water ID:	933462875
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	125
Water Found Depth UOM:	ft

Water Details

Water ID:	933462876
Layer:	3
Kind Code:	1
Kind:	FRESH
Water Found Depth:	140
Water Found Depth UOM:	ft

---

2 ***1 of 1*** ***WSW/18.2*** ***80.2 / 0.24*** ***ON*** ***WWIS***

Well ID:	1508000	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/6/1955
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3718
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	

Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10030035
DP2BR: 8
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 10/1/1955
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 81.696113
Elevrc:
Zone: 18
East83: 440410.7
North83: 5024782
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931008571
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008572
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 8
Formation End Depth: 100
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10578605
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930052726
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930052727
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 100
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508000
Pump Set At:
Static Level: 8
Final Level After Pumping: 16
Recommended Pump Depth:
Pumping Rate: 5
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: N

Water Details

Water ID: 933462323
Layer: 2
Kind Code: 5
Kind: Not stated

Water Found Depth: 100
Water Found Depth UOM: ft

Water Details

Water ID: 933462322
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60
Water Found Depth UOM: ft

---

3 | **1 of 1** | **ESE/19.8** | **79.9 / 0.00** | **ON** | **WWIS**

Well ID: 1508152
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 12/10/1954
Selected Flag: Yes
Abandonment Rec:
Contractor: 4825
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10030187
DP2BR: 140
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 10/17/1954
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 81.657981
Elevrc:
Zone: 18
East83: 440440.7
North83: 5024782
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931008931
Layer: 1
Color:
General Color:
Mat1: 24

Most Common Material: PREV. DRILLED
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 140
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008932
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 140
Formation End Depth: 175
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10578757
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053034
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 140
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053035
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 175
Casing Diameter: 5

Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508152
Pump Set At:	
Static Level:	8
Final Level After Pumping:	55
Recommended Pump Depth:	
Pumping Rate:	5
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:	N

Water Details

Water ID:	933462547
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	160
Water Found Depth UOM:	ft

---

4 ***1 of 1*** ***S/52.0*** ***80.7 / 0.73*** ***ON*** ***WWIS***

Well ID:	1508143	***Data Entry Status:***	
Construction Date:		***Data Src:***	8
Primary Water Use:	Domestic	***Date Received:***	9/7/1954
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030178	***Elevation:***	81.944
DP2BR:	12	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	h	***East83:***	440430.7
Code OB Desc:	Mixed in a Layer	***North83:***	5024742

Open Hole:
Cluster Kind:
Date Completed: 8/8/1953
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931008913
Layer: 3
Color: 2
General Color: GREY
Mat1: 13
Most Common Material: BOULDERS
Mat2: 15
Other Materials: LIMESTONE
Mat3:
Other Materials:
Formation Top Depth: 12
Formation End Depth: 110
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008912
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 13
Other Materials: BOULDERS
Mat3:
Other Materials:
Formation Top Depth: 5
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008911
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 02
Other Materials: TOPSOIL
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10578748
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053017
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 110
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053016
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508143
Pump Set At:
Static Level: 18
Final Level After Pumping: 20
Recommended Pump Depth:
Pumping Rate: 150
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: N

Water Details

Water ID: 933462536
Layer: 2

Kind Code: 1
Kind: FRESH
Water Found Depth: 95
Water Found Depth UOM: ft

Water Details

Water ID: 933462537
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 109
Water Found Depth UOM: ft

Water Details

Water ID: 933462535
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 75
Water Found Depth UOM: ft

---

5 | ***1 of 1*** | ***E/66.5*** | ***79.9 / -0.07*** | ***ON*** | ***WWIS***

Well ID: 1508149
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 8
Date Received: 9/7/1954
Selected Flag: Yes
Abandonment Rec:
Contractor: 3725
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10030184
DP2BR: 8
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 12/31/1953
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:

Elevation: 81.051177
Elevrc:
Zone: 18
East83: 440490.7
North83: 5024802
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931008926
Layer:	2
Color:	1
General Color:	WHITE
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	8
Formation End Depth:	150
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008925
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	8
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10578754
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053029
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	150
Casing Diameter:	4
Casing Diameter UOM:	inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053028
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508149
Pump Set At:
Static Level: 30
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate: 1
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: N

Water Details

Water ID: 933462543
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 150
Water Found Depth UOM: ft

---

6 ***1 of 1*** ***ENE/71.8*** ***79.9 / -0.07*** ***ON*** ***WWIS***

Well ID: 1508151
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:

Data Entry Status:
Data Src: 1
Date Received: 12/10/1954
Selected Flag: Yes
Abandonment Rec:
Contractor: 4825
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:

Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10030186	***Elevation:***	80.861633
DP2BR:	8	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440490.7
Code OB Desc:	Bedrock	***North83:***	5024822
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	8/2/1954	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931008930
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	8
Formation End Depth:	158
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008929
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	8
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Other Method Construction:

Pipe Information

Pipe ID: 10578756
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053033
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 158
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053032
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508151
Pump Set At:
Static Level: 25
Final Level After Pumping: 45
Recommended Pump Depth:
Pumping Rate: 5
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: N

Water Details

Water ID: 933462546
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 140
Water Found Depth UOM: ft

Water Details

Water ID:	933462545
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50
Water Found Depth UOM:	ft

---

7 | ***1 of 1*** | ***S/86.7*** | ***80.9 / 0.93*** | ***ON*** | ***WWIS***

Well ID:	1508135	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	4/3/1952
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030170	***Elevation:***	82.194831
DP2BR:	12	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440420.7
Code OB Desc:	Bedrock	***North83:***	5024707
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	2/27/1952	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931008895
Layer:	3
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	

Other Materials:
Formation Top Depth: 12
Formation End Depth: 108
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008893
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008894
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 12
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10578740
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930052999
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22

Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053000
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	108
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508135
Pump Set At:	
Static Level:	13
Final Level After Pumping:	17
Recommended Pump Depth:	
Pumping Rate:	4
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:	N

Water Details

Water ID:	933462525
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50
Water Found Depth UOM:	ft

8 ***1 of 1*** ***SE/87.9*** ***80.9 / 0.93*** ***ON*** ***WWIS***

Well ID:	1508132	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	4/3/1952
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	5448
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	

Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10030167	***Elevation:***	80.994438
DP2BR:	5	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440475.7
Code OB Desc:	Bedrock	***North83:***	5024722
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	1/11/1952	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931008886
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	90
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008885
Layer:	1
Color:	
General Color:	
Mat1:	25
Most Common Material:	OVERBURDEN
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:

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

Pipe Information

Pipe ID: 10578737
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930052993
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930052994
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 90
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508132
Pump Set At:
Static Level: 8
Final Level After Pumping: 20
Recommended Pump Depth:
Pumping Rate: 5
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: N

Water Details

Water ID: 933462522
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 90
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	1 of 1	W/89.8	79.9 / -0.07	1983 Carling Avenue Ottawa ON K2A 1E9	EHS

Order No:	20051117009	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	11/25/2005	**Search Radius (km):**	0.25
Date Received:	11/17/2005	**X:**	-75.761992
Previous Site Name:		**Y:**	45.374216
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	1 of 1	SE/90.9	80.9 / 0.93	ON	WWIS

Well ID:	1507979	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	10/15/1951
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	5448
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030014	**Elevation:**	80.866745
DP2BR:	4	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440480.7
Code OB Desc:	Bedrock	**North83:**	5024722
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	5/25/1951	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931008520
Layer:	1
Color:	
General Color:	

Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008521
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	79
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10578584
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930052685
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	79
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930052684
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	11

Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991507979
Pump Set At:	
Static Level:	10
Final Level After Pumping:	15
Recommended Pump Depth:	
Pumping Rate:	7
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:	N

Water Details

Water ID:	933462297
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	79
Water Found Depth UOM:	ft

11 ***1 of 2*** ***ESE/104.4*** ***80.9 / 0.93*** ***ON*** ***WWIS***

Well ID:	1508387	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	4/17/1953
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3725
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030421	**Elevation:**	80.486244
DP2BR:	10	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440500.7

Code OB Desc:	Bedrock	***North83:***	5024722
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	1/23/1953	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931009551
Layer:	1
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009552
Layer:	2
Color:	1
General Color:	WHITE
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	175
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10578991
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID: 930053491
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 175
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053490
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 18
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508387
Pump Set At:
Static Level: 15
Final Level After Pumping: 15
Recommended Pump Depth:
Pumping Rate: 5
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: 1
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933462870
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 65
Water Found Depth UOM: ft

11 ***2 of 2*** ***ESE/104.4*** ***80.9 / 0.93*** ***ON*** ***WWIS***

Well ID: 1508392
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:

Data Entry Status:
Data Src: 1
Date Received: 1/30/1956
Selected Flag: Yes
Abandonment Rec:
Contractor: 3701
Form Version: 1
Owner:

Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030426	**Elevation:**	80.486244
DP2BR:	4	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440500.7
Code OB Desc:	Bedrock	**North83:**	5024722
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	9/27/1955	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931009562
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	200
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009561
Layer:	1
Color:	
General Color:	
Mat1:	06
Most Common Material:	SILT
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4

Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10578996
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053501
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 200
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053500
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 14
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508392
Pump Set At:
Static Level: 30
Final Level After Pumping: 70
Recommended Pump Depth:
Pumping Rate: 5
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: 1
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933462879
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 200
Water Found Depth UOM: ft

Water Details

Water ID: 933462878
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 150
Water Found Depth UOM: ft

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12 | **1 of 1** | **WNW/106.6** | **79.9 / -0.07** | **1983 Carling Ave Ottawa ON K2A1E9** | **EHS**

Order No: 20150210066
Status: C
Report Type: Custom Report
Report Date: 17-FEB-15
Date Received: 10-FEB-15
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.762134
Y: 45.374448

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13 | **1 of 2** | **ESE/110.6** | **80.6 / 0.62** | **ON** | **WWIS**

Well ID: 1508385
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 7/28/1952
Selected Flag: Yes
Abandonment Rec:
Contractor: 3725
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10030419
DP2BR: 12
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:

Elevation: 80.739768
Elevrc:
Zone: 18
East83: 440530.7
North83: 5024762
Org CS:
UTMRC: 9

Date Completed: 6/24/1952
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931009546
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009547
Layer: 2
Color: 3
General Color: BLUE
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 12
Formation End Depth: 161
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10578989
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053485
Layer: 1

Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	21
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053486
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	161
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508385
Pump Set At:	
Static Level:	12
Final Level After Pumping:	18
Recommended Pump Depth:	
Pumping Rate:	1
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:	N

Water Details

Water ID:	933462867
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	54
Water Found Depth UOM:	ft

13 ***2 of 2*** ***ESE/110.6*** ***80.6 / 0.62*** ***ON*** ***WWIS***

Well ID:	1508389	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/1/1954
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3701
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY

Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10030423	***Elevation:***	80.739768
DP2BR:	6	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440530.7
Code OB Desc:	Bedrock	***North83:***	5024762
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	6/2/1954	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931009555
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009556
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	6
Formation End Depth:	137
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10578993
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053494
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053495
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 137
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508389
Pump Set At:
Static Level: 12
Final Level After Pumping: 25
Recommended Pump Depth:
Pumping Rate: 6
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: 1
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933462872
Layer: 1

Kind Code: 1
Kind: FRESH
Water Found Depth: 90
Water Found Depth UOM: ft

Water Details

Water ID: 933462873
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 137
Water Found Depth UOM: ft

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14 | **1 of 1** | **SE/116.0** | **80.9 / 0.93** | **ON** | **WWIS**

Well ID: 1508142
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 8
Date Received: 9/7/1954
Selected Flag: Yes
Abandonment Rec:
Contractor: 3725
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10030177
DP2BR: 10
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 7/27/1953
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 80.576293
Elevrc:
Zone: 18
East83: 440480.7
North83: 5024692
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931008910
Layer: 2
Color: 2

General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	118
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008909
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10578747
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053015
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	118
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053014
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	

Depth To:	20
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508142
Pump Set At:	
Static Level:	16
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:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933462534
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	116
Water Found Depth UOM:	ft

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15 ***1 of 1*** ***SW/120.1*** ***80.9 / 0.93*** ***ON*** ***WWIS***

Well ID:	1508463	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	6/10/1954
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4216
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030497	**Elevation:**	82.617988
DP2BR:	10	**Elevrc:**	
Spatial Status:		**Zone:**	18

Code OB:	r	**East83:**	440360.7
Code OB Desc:	Bedrock	**North83:**	5024692
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	5/1/1954	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931009731
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	102
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009730
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10579067
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053638
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	14
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053639
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	102
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508463
Pump Set At:	
Static Level:	12
Final Level After Pumping:	16
Recommended Pump Depth:	
Pumping Rate:	6
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:	20
Flowing:	N

Water Details

Water ID:	933462975
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	102
Water Found Depth UOM:	ft

Water Details

Water ID:	933462974
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
16	1 of 1	SSE/120.7	80.9 / 0.93	lot 28 con 2 ON	WWIS

Well ID: 1510600
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 8/8/1951
Selected Flag: Yes
Abandonment Rec:
Contractor: 3725
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY (NEPEAN)
Site Info:
Lot: 028
Concession: 02
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10032626
DP2BR: 5
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 11/15/1949
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 80.715354
Elevrc:
Zone: 18
East83: 440470.7
North83: 5024682
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931015334
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931015335

Layer: 2
Color: 3
General Color: BLUE
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 5
Formation End Depth: 60
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10581196
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930057829
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 60
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930057828
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 15
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991510600
Pump Set At:
Static Level: 10
Final Level After Pumping: 15
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:	N

Water Details

Water ID:	933465626
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55
Water Found Depth UOM:	ft

17 ***1 of 1*** ***WSW/120.8*** ***80.9 / 0.93*** ***ON*** ***WWIS***

Well ID:	1508461	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/15/1951
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	5448
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030495	***Elevation:***	82.893241
DP2BR:	3	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440335.7
Code OB Desc:	Bedrock	***North83:***	5024712
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	12/11/1950	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931009726
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	09
Other Materials:	MEDIUM SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009727
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	104
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10579065
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053635
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	104
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053634

Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	9
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508461
Pump Set At:	
Static Level:	15
Final Level After Pumping:	33
Recommended Pump Depth:	
Pumping Rate:	7
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:	N

Water Details

Water ID:	933462972
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	104
Water Found Depth UOM:	ft

18 ***1 of 1*** ***ENE/130.4*** ***79.2 / -0.77*** ***ON*** ***WWIS***

Well ID:	1507978	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	6/22/1951
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4832
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030013	**Elevation:**	79.483169
DP2BR:	8	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440535.7
Code OB Desc:	Bedrock	**North83:**	5024862
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	5/21/1951	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931008518
Layer:	2
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	8
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008519
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	8
Formation End Depth:	132
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008517
Layer:	1
Color:	
General Color:	
Mat1:	25
Most Common Material:	OVERBURDEN
Mat2:	
Other Materials:	
Mat3:	

Other Materials:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10578583
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930052682
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 23
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930052683
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 132
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991507978
Pump Set At:
Static Level: 23
Final Level After Pumping: 44
Recommended Pump Depth:
Pumping Rate: 7
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: 10
Flowing: N

Water Details

Water ID:	933462296
Layer:	3
Kind Code:	1
Kind:	FRESH
Water Found Depth:	126
Water Found Depth UOM:	ft

Water Details

Water ID:	933462295
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	108
Water Found Depth UOM:	ft

Water Details

Water ID:	933462294
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	74
Water Found Depth UOM:	ft

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19 ***1 of 1*** ***WSW/134.8*** ***79.9 / -0.07*** ***City of Ottawa***
Carling Ave at Bromley
Ottawa ON ***SPL***

Ref No:	0256-9HFSFM	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	2014/03/22	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Collision/Accident	***Sector Type:***	Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	TRANSMISSION OIL	***Site Address:***	Carling Ave at Bromley
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	Ottawa
Nature of Impact:	Other Impact(s)	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2014/03/22	***Site Map Datum:***	
Dt Document Closed:	2014/10/29	***SAC Action Class:***	Land Spills
Incident Reason:	Material Failure - Poor Design/Substandard Material	***Source Type:***	

Site Name: Bus leaking transmision fluid. <UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: OC Transpo- transmission to roadway.
Contaminant Qty: 1 L

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20 ***1 of 1*** ***ESE/136.1*** ***80.6 / 0.62*** ***ON*** ***WWIS***

Well ID:	1508130	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/10/1951
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3718
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030165	***Elevation:***	80.63385
DP2BR:	5	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440550.7
Code OB Desc:	Bedrock	***North83:***	5024742
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	7/30/1951	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931008879
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008880
Layer:	2
Color:	

General Color:
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 5
Formation End Depth: 7
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008881
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 7
Formation End Depth: 133
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10578735
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930052989
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 15
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930052990
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:

Depth To:	133
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508130
Pump Set At:	
Static Level:	12
Final Level After Pumping:	20
Recommended Pump Depth:	
Pumping Rate:	3
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:	1
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933462519
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	102
Water Found Depth UOM:	ft

Water Details

Water ID:	933462520
Layer:	3
Kind Code:	1
Kind:	FRESH
Water Found Depth:	128
Water Found Depth UOM:	ft

Water Details

Water ID:	933462518
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
21	1 of 4	ENE/141.3	79.2 / -0.77	**DRMG Development Ltd.** **1908 Carling Ave** **Ottawa ON K2A 1E7**	CA

Certificate #:	8066-8EQT4V
Application Year:	2011
Issue Date:	3/14/2011
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	

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

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

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21 | ***2 of 4*** | ***ENE/141.3*** | ***79.2 / -0.77*** | ***DRMG Development Ltd.***
1908 Carling Ave
Ottawa ON K2A 1E7 | ***CA***

Certificate #: 8914-8FTHVY
Application Year: 2011
Issue Date: 5/4/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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21 | ***3 of 4*** | ***ENE/141.3*** | ***79.2 / -0.77*** | ***DRMG Development Ltd.***
1908 Carling Ave
Ottawa ON K1V 2B2 | ***ECA***

Approval No: 8914-8FTHVY
Approval Date: 2011-05-04
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
MOE District: Ottawa
City:
Longitude: -75.75928499999999
Latitude: 45.374744
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 1908 Carling Ave
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5910-8DRL93-14.pdf

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21 | ***4 of 4*** | ***ENE/141.3*** | ***79.2 / -0.77*** | ***DRMG Development Ltd.***
1908 Carling Ave
Ottawa ON K1V 2B2 | ***ECA***

Approval No: 8066-8EQT4V
Approval Date: 2011-03-14
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
MOE District: Ottawa
City:
Longitude: -75.75928499999999
Latitude: 45.374744
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 1908 Carling Ave
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4844-8DRKZD-14.pdf

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22 | ***1 of 1*** | ***NNE/143.1*** | ***78.9 / -1.07*** | ***ON*** | ***BORE***

Borehole ID:	612787	***Inclin FLG:***	No
OGF ID:	215514093	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:		***Municipality:***	
Static Water Level:	0.3	***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.375373
Total Depth m:	-999	***Longitude DD:***	-75.76041
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	440461
Drill Method:		***Northing:***	5024932
Orig Ground Elev m:	75.1	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	77.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218392496	***Mat Consistency:***	Firm
Top Depth:	6.4	***Material Moisture:***	
Bottom Depth:		***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:	Bedrock	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	BEDROCK. WATER STABLE AT 245.5 FEET.BROWN. 0006600195 SAND. FIRM. BOULDERS. SILT. B **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218392495	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	6.4	***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.		

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: 052950 NTS_Sheet: 31G05F		
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

23 **1 of 1** **SW/148.5** **80.9 / 0.93** **ON** **BORE**

Borehole ID: 612764
OGF ID: 215514070
Status:
Type: Borehole
Use:
Completion Date: FEB-1949
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 27.4
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 80.8
Elev Reliabil Note:
DEM Ground Elev m: 82.5
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.372934
Longitude DD: -75.761718
UTM Zone: 18
Easting: 440356
Northing: 5024662
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218392399
Top Depth: 1.5
Bottom Depth: 3
Material Color:
Material 1: Gravel
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: GRAVEL.

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

Geology Stratum ID: 218392398
Top Depth: 0
Bottom Depth: 1.5
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: 218392400
Top Depth: 3
Bottom Depth: 27.4
Material Color: Brown
Material 1: Limestone
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: LIMESTONE. WHITE. 00080BOULDERS. SAND. BEDROCK. GREY. F,FISSURED. CLAY. BROWN,GREY,ST
**Note: Many records provided by the department have a truncated [Stratum Description] field.

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

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

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: 05272 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		

24	***1 of 1***	***SW/148.6***	***80.9 / 0.93***	***lot 28 con 2 ON***	***WWIS***

Well ID:	1510604	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/8/1951
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY (NEPEAN)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	028
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	OF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10032630	***Elevation:***	82.488311
DP2BR:	10	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440355.7
Code OB Desc:	Bedrock	***North83:***	5024662
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	2/15/1949	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931015347
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015348
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015349
Layer:	3
Color:	1
General Color:	WHITE
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	90
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10581200

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930057837
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 90
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930057836
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 14
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991510604
Pump Set At:
Static Level: 10
Final Level After Pumping: 15
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: N

Water Details

Water ID: 933465630
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 80
Water Found Depth UOM: ft

25 ***1 of 1*** ***SE/151.9*** ***80.9 / 0.93*** ***ON*** ***WWIS***

Well ID: 1508136
Construction Date:
Primary Water Use: Domestic
Data Entry Status:
Data Src: 1
Date Received: 4/3/1952

Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	5448
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030171	***Elevation:***	81.19979
DP2BR:	5	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440515.7
Code OB Desc:	Bedrock	***North83:***	5024672
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	3/3/1952	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931008897
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	61
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008896
Layer:	1
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	05

Other Materials:	CLAY
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10578741
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053001
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053002
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	61
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508136
Pump Set At:	
Static Level:	8
Final Level After Pumping:	15
Recommended Pump Depth:	
Pumping Rate:	6
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: N

Water Details

Water ID: 933462526
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 61
Water Found Depth UOM: ft

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26 | **1 of 1** | **NE/166.6** | **78.9 / -1.07** | **ON** | **BORE**

Borehole ID: 612786
OGF ID: 215514092
Status:
Type: Borehole
Use:
Completion Date:
Static Water Level: 8.6
Primary Water Use:
Sec. Water Use:
Total Depth m: -999
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 77.7
Elev Reliabil Note:
DEM Ground Elev m: 78.3
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.375289
Longitude DD: -75.759515
UTM Zone: 18
Easting: 440531
Northing: 5024922
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218392492
Top Depth: 0
Bottom Depth: .6
Material Color:
Material 1: Sand
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SAND.

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

Geology Stratum ID: 218392494
Top Depth: 2.4
Bottom Depth:
Material Color: Blue
Material 1: Bedrock
Material 2: Limestone
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: BEDROCK. GREY. BLUE. SHALE. BROWN. 0006600195 SAND. FIRM. BOULDERS. SILT. BEDROCK.

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

Geology Stratum ID: 218392493
Top Depth: .6
Bottom Depth: 2.4

Mat Consistency:
Material Moisture:
Material Texture:

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

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 052940 NTS_Sheet: 31G04E		
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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27 | ***1 of 1*** | ***E/178.8*** | ***80.6 / 0.62*** | ***ON*** | ***WWIS***

Well ID:	1508786	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/18/1950
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3728
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030820	**Elevation:**	80.535331
DP2BR:	4	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440600.7
Code OB Desc:	Bedrock	**North83:**	5024762
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	12/10/1950	**UTMRC Desc:**	unknown UTM

Remarks: ***Location Method:*** p9
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931010590
Layer: 3
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 4
Formation End Depth: 92
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010588
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010589
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 2
Formation End Depth: 4
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10579390
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054273
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 92
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930054272
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 12
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508786
Pump Set At:
Static Level: 8
Final Level After Pumping: 10
Recommended Pump Depth:
Pumping Rate: 13
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: 1
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933463460
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 92

Water Found Depth UOM: ft

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28 **1 of 1** **E/180.9** **79.9 / -0.07** **818 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9** **HINC**

External File Num: FS INC 0807-03293
Fuel Occurrence Type: Pipeline Strike
Date of Occurrence: 6/24/2008
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Construction Site (pipeline strike)
Service Interruptions: Yes
Property Damage: Yes
Fuel Life Cycle Stage: Transmission, Distribution and Transportation
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No Management:Yes Human Factors:Yes
Reported Details:
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Ottawa
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

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29 **1 of 1** **SE/182.2** **80.9 / 0.93** **ON** **WWIS**

Well ID: 1508388
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 12/2/1953
Selected Flag: Yes
Abandonment Rec:
Contractor: 4216
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10030422
DP2BR: 55
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 11/6/1953

Elevation: 81.310852
Elevrc:
Zone: 18
East83: 440550.7
North83: 5024662
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM

Remarks: ***Location Method:*** p9
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931009554
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 55
Formation End Depth: 157
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009553
Layer: 1
Color:
General Color:
Mat1: 24
Most Common Material: PREV. DRILLED
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 55
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10578992
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053492
Layer: 1
Material: 1

Open Hole or Material:	STEEL
Depth From:	
Depth To:	55
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053493
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	157
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508388
Pump Set At:	
Static Level:	17
Final Level After Pumping:	22
Recommended Pump Depth:	
Pumping Rate:	8
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:	N

Water Details

Water ID:	933462871
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55
Water Found Depth UOM:	ft

30 ***1 of 1*** ***SW/189.7*** ***80.9 / 0.93*** ***ON*** ***WWIS***

Well ID:	1508465	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	2/3/1956
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4216
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	

Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10030499	***Elevation:***	82.508323
DP2BR:	18	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440310.7
Code OB Desc:	Bedrock	***North83:***	5024642
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	12/3/1955	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931009734
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	18
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009735
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	18
Formation End Depth:	126
Formation End Depth UOM:	ft

Method of Construction & Well

Use

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

Pipe Information

Pipe ID: 10579069
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053643
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 126
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053642
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 18
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508465
Pump Set At:
Static Level: 12
Final Level After Pumping: 15
Recommended Pump Depth:
Pumping Rate: 6
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: N

Water Details

Water ID: 933462977
Layer: 1
Kind Code: 1

Kind:	FRESH
Water Found Depth:	45
Water Found Depth UOM:	ft

31 **1 of 1** **E/189.7** **79.9 / -0.07** **826 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9** **HINC**

External File Num:	FS INC 0806-03095
Fuel Occurrence Type:	Pipeline Strike
Date of Occurrence:	6/5/2008
Fuel Type Involved:	Natural Gas
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	Yes
Property Damage:	Yes
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training: Yes Management:Yes Human Factors:Yes
Reported Details:	
Fuel Category:	Gaseous Fuel
Occurrence Type:	Incident
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:	Ottawa
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

32 **1 of 2** **ENE/190.2** **79.9 / -0.07** **ON** **WWIS**

Well ID:	1508791	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	2/21/1951
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3725
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030825	**Elevation:**	79.422187
DP2BR:	8	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440605.7
Code OB Desc:	Bedrock	**North83:**	5024852
Open Hole:		**Org CS:**	

Cluster Kind:
Date Completed: 2/5/1951
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931010603
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 8
Formation End Depth: 98
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010601
Layer: 1
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 4
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010602
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 4
Formation End Depth: 8
Formation End Depth UOM: ft

Method of Construction & Well

Use

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

Pipe Information

Pipe ID: 10579395
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054282
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 16
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930054283
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 98
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508791
Pump Set At:
Static Level: 12
Final Level After Pumping: 14
Recommended Pump Depth:
Pumping Rate: 6
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: 20
Flowing: N

Water Details

Water ID: 933463465
Layer: 1
Kind Code: 1

Kind:	FRESH
Water Found Depth:	40
Water Found Depth UOM:	ft

32 **2 of 2** **ENE/190.2** **79.9 / -0.07** **ON** **WWIS**

Well ID:	1508793	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	10/15/1951
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	5448
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030827	**Elevation:**	79.422187
DP2BR:	8	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440605.7
Code OB Desc:	Bedrock	**North83:**	5024852
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	8/2/1951	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931010607
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	8
Formation End Depth:	100
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931010606
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	8
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10579397
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930054286
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	12
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930054287
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	100
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508793
Pump Set At:	
Static Level:	10

Final Level After Pumping:	30
Recommended Pump Depth:	
Pumping Rate:	7
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:	N

Water Details

Water ID:	933463467
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	100
Water Found Depth UOM:	ft

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33 ***1 of 1*** ***S/191.8*** ***81.9 / 1.93*** ***ON*** ***WWIS***

Well ID:	1508460	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/5/1951
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3566
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030494	***Elevation:***	81.88359
DP2BR:	7	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440415.7
Code OB Desc:	Bedrock	***North83:***	5024602
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	11/24/1950	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931009724
Layer:	2
Color:	
General Color:	
Mat1:	06
Most Common Material:	SILT
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	7
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009725
Layer:	3
Color:	
General Color:	
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	7
Formation End Depth:	131
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009723
Layer:	1
Color:	
General Color:	
Mat1:	01
Most Common Material:	FILL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10579064
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053633
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 17
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508460
Pump Set At:
Static Level: 2
Final Level After Pumping: 20
Recommended Pump Depth:
Pumping Rate: 9
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: 1
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933462970
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 125
Water Found Depth UOM: ft

Water Details

Water ID: 933462969
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 90
Water Found Depth UOM: ft

Water Details

Water ID: 933462971
Layer: 4
Kind Code: 1
Kind: FRESH
Water Found Depth: 131

Water Found Depth UOM: ft

Water Details

Water ID: 933462968
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 70
Water Found Depth UOM: ft

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34 | ***1 of 1*** | ***E/192.2*** | ***79.9 / -0.07*** | ***lot 28 con 2 ON*** | ***WWIS***

Well ID: 1510602
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 1/31/1950
Selected Flag: Yes
Abandonment Rec:
Contractor: 3725
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY (NEPEAN)
Site Info:
Lot: 028
Concession: 02
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10032628
DP2BR: 4
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 10/19/1949
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 79.748428
Elevrc:
Zone: 18
East83: 440610.7
North83: 5024842
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931015342
Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY

Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 4
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931015344
Layer: 3
Color: 1
General Color: WHITE
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 60
Formation End Depth: 110
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931015343
Layer: 2
Color: 3
General Color: BLUE
Mat1: 26
Most Common Material: ROCK
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 4
Formation End Depth: 60
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10581198
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930057833
Layer: 2
Material: 4

Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	110
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930057832
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	7
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991510602
Pump Set At:	
Static Level:	13
Final Level After Pumping:	37
Recommended Pump Depth:	
Pumping Rate:	3
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:	25
Flowing:	N

Water Details

Water ID:	933465628
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	100
Water Found Depth UOM:	ft

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35 | ***1 of 1*** | ***ESE/194.2*** | ***80.9 / 0.93*** | ***Enbridge Energy Distribution Inc.*** ***851 Killeen Ave.*** ***Ottawa ON*** | ***SPL***

Ref No:	0866-ATQS3M	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2017/12/04	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	Corporation
Incident Cause:		**Sector Type:**	Unknown / N/A
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	35	**Nearest Watercourse:**	
Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	851 Killeen Ave.
Contaminant Limit 1:		**Site District Office:**	Ottawa
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:	1075	**Site Region:**	Eastern

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

Environment Impact:		**Site Municipality:**	Ottawa
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Air	**Northing:**	
MOE Response:	No	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2017/12/04	**Site Map Datum:**	
Dt Document Closed:	2017/12/16	**SAC Action Class:**	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error	**Source Type:**	Pipeline/Components
Site Name:	residential<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSA FSB: Enbridge/1/2" plastic IP service damage/valid locates/safe		
Contaminant Qty:	0 other - see incident description		

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36 | ***1 of 1*** | ***E/195.8*** | ***79.9 / -0.07*** | ***830 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9*** | ***HINC***

External File Num:	FS INC 0806-03104
Fuel Occurrence Type:	Pipeline Strike
Date of Occurrence:	6/9/2008
Fuel Type Involved:	Natural Gas
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	Yes
Property Damage:	Yes
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No Management:Yes Human Factors:Yes
Reported Details:	
Fuel Category:	Gaseous Fuel
Occurrence Type:	Incident
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:	Ottawa
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

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37 | ***1 of 1*** | ***ESE/197.3*** | ***80.9 / 0.93*** | ***ONTARIO HYDRO 851 KILLEEN ANE TRANSFORMER OTTAWA CITY ON K2A 2X8*** | ***SPL***

Ref No:	7653	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	8/5/1988	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	COOLING SYSTEM LEAK	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:		**Site Municipality:**	20101
Nature of Impact:		**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	

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

Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	8/6/1988	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	EQUIPMENT FAILURE	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	ONTARIO HYDRO - 4.5 L TRANSFORMER OIL(<50 PPM PCB) TO GROUND.		
Contaminant Qty:			

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38 **1 of 2** **E/201.3** **79.9 / -0.07** **ON** **WWIS**

Well ID:	1508776	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/11/1952
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3718
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030810	**Elevation:**	80.505104
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	440625.7
Code OB Desc:	Overburden	**North83:**	5024782
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	7/22/1952	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931010565
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	

Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 18
Formation End Depth: 110
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010564
Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 18
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10579380
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054253
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930054254
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 110
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991508776
Pump Set At:	
Static Level:	15
Final Level After Pumping:	15
Recommended Pump Depth:	
Pumping Rate:	3
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:	1
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933463442
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80
Water Found Depth UOM:	ft

Water Details

Water ID:	933463443
Layer:	3
Kind Code:	1
Kind:	FRESH
Water Found Depth:	100
Water Found Depth UOM:	ft

Water Details

Water ID:	933463441
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70
Water Found Depth UOM:	ft

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38 ***2 of 2*** ***E/201.3*** ***79.9 / -0.07*** ***ON*** ***WWIS***

Well ID:	1508777	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/28/1952
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3718
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	

Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10030811	***Elevation:***	80.505104
DP2BR:	18	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440625.7
Code OB Desc:	Bedrock	***North83:***	5024782
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	9/9/1952	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931010567
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	18
Formation End Depth:	110
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931010566
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	18
Formation End Depth UOM:	ft

Method of Construction & Well

Use

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

Pipe Information

Pipe ID: 10579381
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054256
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 110
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930054255
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508777
Pump Set At:
Static Level: 25
Final Level After Pumping: 25
Recommended Pump Depth:
Pumping Rate: 3
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: 1
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933463444
Layer: 1
Kind Code: 1

Kind:	FRESH
Water Found Depth:	50
Water Found Depth UOM:	ft

Water Details

Water ID:	933463446
Layer:	3
Kind Code:	1
Kind:	FRESH
Water Found Depth:	105
Water Found Depth UOM:	ft

Water Details

Water ID:	933463445
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80
Water Found Depth UOM:	ft

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Well ID:	1508384	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	7/28/1952
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3725
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030418	**Elevation:**	80.946617
DP2BR:	12	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440605.7
Code OB Desc:	Bedrock	**North83:**	5024702
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	6/14/1952	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931009545
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	12
Formation End Depth:	90
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009544
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	12
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10578988
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053484
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	90
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053483
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	21
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508384
Pump Set At:	
Static Level:	12
Final Level After Pumping:	16
Recommended Pump Depth:	
Pumping Rate:	1
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:	N

Water Details

Water ID:	933462866
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	47
Water Found Depth UOM:	ft

40 ***1 of 1*** ***S/203.3*** ***81.9 / 1.93*** ***ON*** ***WWIS***

Well ID:	1508141	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	3/3/1953
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	

Flow Rate: ***UTM Reliability:***
Clear/Cloudy:

Bore Hole Information

Bore Hole ID:	10030176	***Elevation:***	81.688247
DP2BR:	13	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440450.7
Code OB Desc:	Bedrock	***North83:***	5024592
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12/5/1952	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931008907
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	13
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008908
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	13
Formation End Depth:	51
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10578746
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053013
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	51
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053012
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508141
Pump Set At:	
Static Level:	9
Final Level After Pumping:	9
Recommended Pump Depth:	
Pumping Rate:	122
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:	N

Water Details

Water ID:	933462533
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	33
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
41	1 of 1	E/206.3	79.9 / -0.07	ON	WWIS

Well ID: 1508792
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 10/15/1951
Selected Flag: Yes
Abandonment Rec:
Contractor: 5448
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10030826
DP2BR: 8
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 7/19/1951
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 80.542724
Elevrc:
Zone: 18
East83: 440630.7
North83: 5024782
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931010605
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 8
Formation End Depth: 91
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010604

Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10579396
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054285
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 91
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930054284
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 12
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508792
Pump Set At:
Static Level: 10
Final Level After Pumping: 15
Recommended Pump Depth:
Pumping Rate: 7
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:	N

Water Details

Water ID:	933463466
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	91
Water Found Depth UOM:	ft

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Well ID:	1507985	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/13/1952
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030020	***Elevation:***	83.201858
DP2BR:	7	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440250.7
Code OB Desc:	Bedrock	***North83:***	5024682
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	8/14/1951	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 931008535
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 3
Formation End Depth: 7
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008534
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 3
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008536
Layer: 3
Color: 1
General Color: WHITE
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 7
Formation End Depth: 120
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10578590
Casing No: 1
Comment:

Alt Name:

Construction Record - Casing

Casing ID:	930052697
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	120
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930052696
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991507985
Pump Set At:	
Static Level:	35
Final Level After Pumping:	45
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:	N

Water Details

Water ID:	933462303
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	100
Water Found Depth UOM:	ft

43	*1 of 2*	*SW/207.7*	*80.9 / 0.93*	*ON*	*WWIS*

Well ID:	1508483	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	2/21/1951
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	

Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030517	***Elevation:***	82.326995
DP2BR:	7	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440300.7
Code OB Desc:	Bedrock	***North83:***	5024627
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	1/29/1951	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931009786
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	7
Formation End Depth:	65
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009785
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	09
Other Materials:	MEDIUM SAND
Mat3:	

Other Materials:
Formation Top Depth: 0
Formation End Depth: 7
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10579087
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053677
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 12
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053678
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 65
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508483
Pump Set At:
Static Level: 11
Final Level After Pumping: 12
Recommended Pump Depth:
Pumping Rate: 6
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: 20
Flowing: N

Water Details

Water ID:	933463002
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	20
Water Found Depth UOM:	ft

43 ***2 of 2*** ***SW/207.7*** ***80.9 / 0.93*** ***ON*** ***WWIS***

Well ID:	1508482	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	2/21/1951
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030516	***Elevation:***	82.326995
DP2BR:	6	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440300.7
Code OB Desc:	Bedrock	***North83:***	5024627
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	1/25/1951	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931009784
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	

Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 64
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009783
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 09
Other Materials: MEDIUM SAND
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10579086
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053675
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 13
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053676
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 64
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991508482
Pump Set At:	
Static Level:	8
Final Level After Pumping:	8
Recommended Pump Depth:	
Pumping Rate:	8
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:	20
Flowing:	N

Water Details

Water ID:	933463001
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	15
Water Found Depth UOM:	ft

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Well ID:	1508383	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	4/1/1952
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030417	***Elevation:***	80.892997
DP2BR:	11	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440590.7
Code OB Desc:	Bedrock	***North83:***	5024662
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9

Date Completed: 11/6/1951
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931009543
Layer: 3
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 11
Formation End Depth: 80
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009541
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 4
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009542
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 4
Formation End Depth: 11
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10578987
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053481
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 21
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053482
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 80
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508383
Pump Set At:
Static Level: 15
Final Level After Pumping: 40
Recommended Pump Depth:
Pumping Rate: 4
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: 20
Flowing: N

Water Details

Water ID: 933462865
Layer: 1
Kind Code: 1
Kind: FRESH

Water Found Depth: 30
Water Found Depth UOM: ft

---

45 | **1 of 1** | **SSW/214.3** | **81.9 / 1.93** | **ON** | **WWIS**

Well ID: 1508462
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 4/1/1952
Selected Flag: Yes
Abandonment Rec:
Contractor: 3725
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10030496
DP2BR: 10
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 11/14/1951
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 81.904243
Elevrc:
Zone: 18
East83: 440390.7
North83: 5024582
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 931009728
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931009729
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	56
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10579066
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053637
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	56
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053636
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508462
Pump Set At:	
Static Level:	8
Final Level After Pumping:	8

Recommended Pump Depth:	
Pumping Rate:	5
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:	N

Water Details

Water ID:	933462973
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	56
Water Found Depth UOM:	ft

---

46 ***1 of 1*** ***SW/214.4*** ***81.7 / 1.77*** ***ON*** ***WWIS***

Well ID:	1508486	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	4/1/1952
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030520	***Elevation:***	82.194778
DP2BR:	10	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440310.7
Code OB Desc:	Bedrock	***North83:***	5024612
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	5/12/1951	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931009792
Layer:	2
Color:	1
General Color:	WHITE
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	66
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009791
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10579090
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053684
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	66
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053683
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508486
Pump Set At:	
Static Level:	8
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:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	N

Water Details

Water ID:	933463006
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55
Water Found Depth UOM:	ft

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47 | ***1 of 1*** | ***SSW/215.2*** | ***81.9 / 1.93*** | ***lot 28 con 2 ON*** | ***WWIS***

Well ID:	1510601	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/5/1950
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY (NEPEAN)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	028
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	OF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	

Clear/Cloudy:

Bore Hole Information

Bore Hole ID:	10032627	***Elevation:***	81.928474
DP2BR:	11	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440385.7
Code OB Desc:	Bedrock	***North83:***	5024582
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	11/1/1949	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931015337
Layer:	2
Color:	
General Color:	
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	11
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015340
Layer:	5
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	60
Formation End Depth:	75
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015341
Layer:	6
Color:	6
General Color:	BROWN
Mat1:	26

Most Common Material:	ROCK
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	75
Formation End Depth:	115
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015339
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	48
Formation End Depth:	60
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015336
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Other Materials:	MEDIUM SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015338
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	11
Formation End Depth:	48
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10581197
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930057831
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 115
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930057830
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 11
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991510601
Pump Set At:
Static Level: 10
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate: 4
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: N

Water Details

Water ID: 933465627
Layer: 1
Kind Code: 4
Kind: MINERIAL

Water Found Depth: 110
Water Found Depth UOM: ft

---

48 | **1 of 1** | **SSE/217.7** | **81.9 / 1.93** | **ON** | **WWIS**

Well ID: 1508138
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 11/26/1952
Selected Flag: Yes
Abandonment Rec:
Contractor: 3725
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10030173
DP2BR: 8
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 7/28/1952
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 81.606117
Elevrc:
Zone: 18
East83: 440475.7
North83: 5024582
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931008901
Layer: 2
Color: 8
General Color: BLACK
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 8
Formation End Depth: 107
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931008900
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	8
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10578743
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053006
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	107
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053005
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	8
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508138
Pump Set At:	
Static Level:	15
Final Level After Pumping:	20

Recommended Pump Depth:	
Pumping Rate:	8
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:	N

Water Details

Water ID:	933462528
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	40
Water Found Depth UOM:	ft

Water Details

Water ID:	933462529
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80
Water Found Depth UOM:	ft

---

49 ***1 of 1*** ***SSE/219.2*** ***81.9 / 1.93*** ***ON*** ***WWIS***

Well ID:	1508134	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	4/3/1952
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030169	***Elevation:***	81.010597
DP2BR:	17	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440510.7
Code OB Desc:	Bedrock	***North83:***	5024592

Open Hole:
Cluster Kind:
Date Completed: 2/19/1952
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931008891
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 17
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008892
Layer: 3
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 17
Formation End Depth: 65
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008890
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10578739
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930052997
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 21
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930052998
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 65
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508134
Pump Set At:
Static Level: 12
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate: 4
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: N

Water Details

Water ID: 933462524
Layer: 1

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

Kind Code: 1
Kind: FRESH
Water Found Depth: 40
Water Found Depth UOM: ft

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50 *1 of 5* *W/219.2* *79.9 / -0.07* **GEN**

HOMESTEAD LANDHOLDINGS
2001 CARLING AVE
OTTAWA ON K2A 3W5

Generator No: ON7030619
Status:
Approval Years: 03,04
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

---

50 *2 of 5* *W/219.2* *79.9 / -0.07* **EHS**

2001 Carling Ave
Ottawa ON K2A 3W5

Order No: 20121030016
Status: C
Report Type: Custom Report
Report Date: 05-NOV-12
Date Received: 30-OCT-12
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.763552
Y: 45.373736

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50 *3 of 5* *W/219.2* *79.9 / -0.07* **SPL**

2001 Carling Ave. Westbound lane
Ottawa ON

Ref No: 4371-A83RN4
Site No: NA
Incident Dt: 2016/03/15
Year:
Incident Cause:
Incident Event: Collision/Accident
Contaminant Code: 27
Contaminant Name: COOLANT N.O.S.
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env: Surface Water
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 2016/03/15
Dt Document Closed:
Incident Reason: Equipment Failure
Site Name: OC Transpo Accident<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: OC Transpo - 5-10L of coolant to storm sewer
Contaminant Qty: 10 L

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Unknown / N/A
Agency Involved:
Nearest Watercourse:
Site Address: 2001 Carling Ave. Westbound lane
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Watercourse Spills
Source Type:

---

50 *4 of 5* *W/219.2* *79.9 / -0.07* **GEN**

Homestead Land Holdings Ltd.
2001 CARLING AVENUE
OTTAWA ON K2A 3W5

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

Generator No: ON2995038
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 531310
SIC Description: REAL ESTATE PROPERTY MANAGERS

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

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

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50 | ***5 of 5*** | ***W/219.2*** | ***79.9 / -0.07*** | ***Homestead Land Holdings Ltd. Homestead Land Holdings Ltd.***
2001 Carling Avenue
OTTAWA ON K2A 3W5 | ***GEN***

Generator No: ON6352626
Status: Registered
Approval Years: As of Oct 2019
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

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51 | ***1 of 1*** | ***W/219.2*** | ***79.9 / -0.07*** | ***2001 Carling Ave***
Ottawa ON K2A3W5 | ***EHS***

Order No: 20180102009
Status: C
Report Type: Standard Report
Report Date: 05-JAN-18
Date Received: 02-JAN-18
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.763601
Y: 45.373746

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52 | ***1 of 1*** | ***ENE/220.4*** | ***79.2 / -0.77*** | ***ON*** | ***WWIS***

Well ID: 1508788
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply

Data Entry Status:
Data Src: 1
Date Received: 8/8/1951
Selected Flag: Yes
Abandonment Rec:

Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030822	***Elevation:***	78.908576
DP2BR:	6	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440630.7
Code OB Desc:	Bedrock	***North83:***	5024872
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	7/20/1950	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931010594
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	6
Formation End Depth:	90
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931010593
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	

Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10579392
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054276
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 10
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930054277
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 90
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508788
Pump Set At:
Static Level: 15
Final Level After Pumping: 25
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: N

Water Details

Water ID:	933463462
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80
Water Found Depth UOM:	ft

---

53 ***1 of 1*** ***ESE/221.2*** ***80.9 / 0.93*** ***PETRO-CANADA*** ***SPL***
861 KILEEN AVENUE TANK TRUCK (CARGO)
OTTAWA CITY ON

Ref No:	81587	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	2/6/1993	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	PIPE/HOSE LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	NOT ANTICIPATED	***Site Municipality:***	20101
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2/6/1993	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ICE/FROST DAMAGE	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	PETRO-CANADA - 20L FURNACE OIL TO LAND DURING DELIVERY.		
Contaminant Qty:			

---

54 ***1 of 1*** ***SSE/224.5*** ***81.9 / 1.93*** ***ON*** ***WWIS***

Well ID:	1508139	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/26/1952
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	

Clear/Cloudy:

Bore Hole Information

Bore Hole ID:	10030174	***Elevation:***	81.843696
DP2BR:	10	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440460.7
Code OB Desc:	Bedrock	***North83:***	5024572
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	8/6/1952	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931008902
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008903
Layer:	2
Color:	8
General Color:	BLACK
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	110
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10578744
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053007
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053008
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 110
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508139
Pump Set At:
Static Level: 15
Final Level After Pumping: 18
Recommended Pump Depth:
Pumping Rate: 8
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: N

Water Details

Water ID: 933462530
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 90
Water Found Depth UOM: ft

55	*1 of 1*	*E/225.7*	*80.6 / 0.62*	***850 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9***	***HINC***

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

External File Num:	FS INC 0807-03292
Fuel Occurrence Type:	Pipeline Strike
Date of Occurrence:	6/24/2008
Fuel Type Involved:	Natural Gas
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	Yes
Property Damage:	Yes
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No Management:Yes Human Factors:Yes
Reported Details:	
Fuel Category:	Gaseous Fuel
Occurrence Type:	Incident
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:	Ottawa
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
56	*1 of 6*	***WSW/227.0***	***80.9 / 0.93***	***4042841 Canada Inc.*** ***2000 Carling Ave*** ***Ottawa ON K2A 1G2***	***CA***

Certificate #:	3252-7JUJB4
Application Year:	2008
Issue Date:	9/26/2008
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
56	*2 of 6*	***WSW/227.0***	***80.9 / 0.93***	***4042841 Canada Inc.*** ***2000 Carling Ave*** ***Ottawa ON K2A 1G2***	***CA***

Certificate #:	3696-7SLNAB
Application Year:	2009
Issue Date:	6/9/2009
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
56	3 of 6	WSW/227.0	80.9 / 0.93	4042841 Canada Inc. 2000 Carling Ave Ottawa ON K2A 1G2	CA

Certificate #: 4683-7T3KKA
Application Year: 2009
Issue Date: 6/17/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
56	4 of 6	WSW/227.0	80.9 / 0.93	4042841 Canada Inc. 2000 Carling Ave Ottawa ON K2A 1P4	ECA

Approval No: 3252-7JUJB4
Approval Date: 2008-09-26
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
MOE District: Ottawa
City:
Longitude: -75.76338
Latitude: 45.373062
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 2000 Carling Ave
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7247-7JMHA5-14.pdf

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
56	5 of 6	WSW/227.0	80.9 / 0.93	4042841 Canada Inc. 2000 Carling Ave Ottawa ON K2A 1P4	ECA

Approval No: 3696-7SLNAB
Approval Date: 2009-06-09
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
MOE District: Ottawa
City:
Longitude: -75.76338
Latitude: 45.373062
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 2000 Carling Ave
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1461-7SDR8A-14.pdf

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
56	6 of 6	WSW/227.0	80.9 / 0.93	4042841 Canada Inc. 2000 Carling Ave Ottawa ON K2A 1P4	ECA

Approval No: 4683-7T3KKA
Approval Date: 2009-06-17
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
MOE District: Ottawa
City:
Longitude: -75.76338
Latitude: 45.373062
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS

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

Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 2000 Carling Ave
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4513-7T2NJD-14.pdf

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57 **1 of 1** **SSE/231.1** **81.9 / 1.93** **ON** **BORE**

Borehole ID: 612747
OGF ID: 215514053
Status:
Type: Borehole
Use:
Completion Date:
Static Water Level: 2.1
Primary Water Use:
Sec. Water Use:
Total Depth m: -999
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 83.2
Elev Reliabil Note:
DEM Ground Elev m: 81.5
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.372135
Longitude DD: -75.759984
UTM Zone: 18
Easting: 440491
Northing: 5024572
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218392337
Top Depth: 0
Bottom Depth: 6.1
Material Color:
Material 1: Till
Material 2: Boulders
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: TILL.

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

Geology Stratum ID: 218392338
Top Depth: 6.1
Bottom Depth:
Material Color:
Material 1: Bedrock
Material 2: Limestone
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: BEDROCK. WATER STABLE AT 266.0 FEET.00000 019 00013 008 00025 010 000130090002509 **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: H
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)

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

Source Details: File: OTTAWA2.txt RecordID: 052550 NTS_Sheet: 31G05C
Confiden 1: Logged by professional. Exact and complete description of material and properties.

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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58 ***1 of 1*** ***E/233.0*** ***80.6 / 0.62*** ***ON*** ***WWIS***

Well ID: 1508778
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Data Entry Status:
Data Src: 1
Date Received: 3/18/1953
Selected Flag: Yes
Abandonment Rec:
Contractor: 3718
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10030812
DP2BR: 6
Spatial Status:
Code OB: z
Code OB Desc: Mixed Layer below top of bedrcok
Open Hole:
Cluster Kind:
Date Completed: 11/6/1952
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 80.871902
Elevrc:
Zone: 18
East83: 440650.7
North83: 5024737
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 931010570
Layer: 3
Color: 2
General Color: GREY
Mat1: 15

Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 90
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010571
Layer: 4
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 90
Formation End Depth: 115
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010568
Layer: 1
Color: 6
General Color: BROWN
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 3
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010572
Layer: 5
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 15
Other Materials: LIMESTONE
Mat3:
Other Materials:
Formation Top Depth: 115
Formation End Depth: 140
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010569
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 3
Formation End Depth: 6
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10579382
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054258
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 140
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930054257
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 10
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508778
Pump Set At:
Static Level: 10
Final Level After Pumping: 25
Recommended Pump Depth:
Pumping Rate: 5

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: 1
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933463449
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 110
Water Found Depth UOM: ft

Water Details

Water ID: 933463447
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 80
Water Found Depth UOM: ft

Water Details

Water ID: 933463448
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 95
Water Found Depth UOM: ft

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59 | ***1 of 1*** | ***ESE/240.4*** | ***80.9 / 0.93*** | ***858 RIDDELLL AVENUE NORTH OTTAWA ON*** | ***HINC***

External File Num: FS INC 0808-04644
Fuel Occurrence Type: Pipeline Strike
Date of Occurrence: 8/11/2008
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Construction Site (pipeline strike)
Service Interruptions: Yes
Property Damage: Yes
Fuel Life Cycle Stage: Transmission, Distribution and Transportation
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:Yes Human Factors:Yes
Reported Details:
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Ottawa
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:

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

Environmental Impact:

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60 | ***1 of 1*** | ***ESE/244.2*** | ***80.9 / 0.93*** | ***873 Killeen Avenue, Ottawa ON*** | ***PINC***

Incident ID:		***Health Impact:***	
Incident No:	831392	***Environment Impact:***	
Type:	FS-Pipeline Incident	***Property Damage:***	Yes
Status Code:	Pipeline Damage Reason Est	***Service Interupt:***	
Fuel Occurrence Tp:		***Enforce Policy:***	Yes
Fuel Type:		***Public Relation:***	
Tank Status:	RC Established	***Pipeline System:***	
Task No:	3878486	***Depth:***	
Spills Action Centre:		***Pipe Material:***	
Method Details:	E-mail	***PSIG:***	
Fuel Category:	Natural Gas	***Attribute Category:***	FS-Perform P-line Inc Invest
Date of Occurrence:		***Regulator Location:***	
Occurrence Start Date:	2012/06/20		
Operation Type:			
Pipeline Type:			
Regulator Type:			

Summary: 873 Killeen Avenue, Ottawa - 2" Pipeline Hit
Reported By: Shawn Clost - Enbridge
Affiliation:
Occurrence Desc:
Damage Reason: Excavation practices not sufficient
Notes:

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61 | ***1 of 1*** | ***SE/245.8*** | ***81.9 / 1.93*** | ***ON*** | ***WWIS***

Well ID:	1508133	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	4/3/1952
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10030168	***Elevation:***	81.219581
DP2BR:	14	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440600.7
Code OB Desc:	Bedrock	***North83:***	5024622
Open Hole:		***Org CS:***	

Cluster Kind:
Date Completed: 2/12/1952
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931008888
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 14
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008889
Layer: 3
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 14
Formation End Depth: 100
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008887
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Method of Construction & Well

Use

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

Pipe Information

Pipe ID: 10578738
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930052996
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 100
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930052995
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 21
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508133
Pump Set At:
Static Level: 12
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate: 4
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: N

Water Details

Water ID: 933462523
Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 40
Water Found Depth UOM: ft

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62 | **1 of 1** | **ESE/246.5** | **80.9 / 0.93** | **Enbridge Gas Distribution Inc.**
873 Killen Ave
Ottawa ON | **SPL**

Ref No:	7650-8VFL7A	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	20-JUN-12	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Discharge or Emission to Air	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:	35	**Nearest Watercourse:**	
Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	873 Killen Ave
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Not Anticipated	**Site Municipality:**	Ottawa
Nature of Impact:	Air Pollution	**Site Lot:**	
Receiving Medium:	Sewage - Municipal/Private and Commercial	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	Not MOE mandate	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	20-JUN-12	**Site Map Datum:**	
Dt Document Closed:	28-JUL-12	**SAC Action Class:**	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Spill	**Source Type:**	
Site Name:	873 Killen Ave (Residential)<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSA: 2 inch main damage,		
Contaminant Qty:			

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63 | **1 of 1** | **NW/247.6** | **77.9 / -2.07** | **S. 21**
1945 LAUDER STREET<UNOFFICIAL>
Ottawa ON K2A 1B2 | **SPL**

Ref No:	7686-5RFHUD	**Discharger Report:**	
Site No:		**Material Group:**	Oil
Incident Dt:	9/16/2003	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Tank (Above Ground) Leak	**Sector Type:**	Other
Incident Event:		**Agency Involved:**	
Contaminant Code:	13	**Nearest Watercourse:**	
Contaminant Name:	FURNACE OIL	**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	Ottawa
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	Eastern
Environment Impact:	Not Anticipated	**Site Municipality:**	Ottawa
Nature of Impact:	Groundwater Pollution; Soil Contamination	**Site Lot:**	
Receiving Medium:	Land & Water	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	9/16/2003	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Spill to Land
Incident Reason:	Unknown - Reason not determined	**Source Type:**	
Site Name:	1945 LAUDER STREET<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSA/MOE - oil tank leak to natural env'mt		

Contaminant Qty:	other - see incident description

Unplottable Summary

Total: 17 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	OTTAWA CITY	KILLEEN AVE.	OTTAWA CITY ON	
CA	City of Ottawa	Riddell Avenue Riddell Avenue from Carling Avenue to Garfield Avenue	Ottawa ON	
CA	Petro-Canada		Ottawa ON	
CA	City of Ottawa	Carling Avenue (Road allownce)	Ottawa ON	
CA	L.SIPOLINS	SOUTH OF CARLING AVE.	OTTAWA CITY ON	
CA	City of Ottawa	Carling Ave	Ottawa ON	
CA	City of Ottawa	Killeen Ave	Ottawa ON	
EBR	Northern Telecom Canada Limited, Ottawa Carling Campus	Carling Campus, City of Ottawa CITY OF OTTAWA	ON	
ECA	City of Ottawa	Carling Ave	Ottawa ON	K2G 6J8
ECA	City of Ottawa	Carling Ave	Ottawa ON	K2G 6J8
ECA	Petro-Canada Inc.		Ottawa ON	L6L 6N5
GEN	GVT OF CAN-HEALTH&WELFARE CAN.MED. 16-303	SER.BR,UNIT#25,RM B-16, CARLING AVE. K.W. NEATBY BLDG., C/O 301 ELGIN ST.	OTTAWA ON	K1A 0L3
SPL	OTTAWA TRANSIT	CARLING AVENUE BUS	OTTAWA ON	
SPL	HOTEL/MOTEL	CARLING AVENUE (N.O.S.)	OTTAWA CITY ON	
SPL	PETRO-CANADA	SERVICE STATION	OTTAWA CITY ON	
SPL		denied s. 21(1)	Ottawa ON	
SPL	City of Ottawa	Ebound Carling Ave in front of Campbell's Ford dealership	Ottawa ON	

Unplottable Report

Site: ***OTTAWA CITY***
KILLEEN AVE. OTTAWA CITY ON

Database: ***CA***

Certificate #:	3-1184-86-
Application Year:	86
Issue Date:	8/22/1986
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***
Riddell Avenue Riddell Avenue from Carling Avenue to Garfield Avenue Ottawa ON

Database: ***CA***

Certificate #:	4531-73UHP5
Application Year:	2007
Issue Date:	6/17/2007
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Petro-Canada***
Ottawa ON

Database: ***CA***

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

Site: ***City of Ottawa***
Carling Avenue (Road allownce) Ottawa ON

Database: ***CA***

Certificate #:	3615-6QHRAR
Application Year:	2006

Issue Date: 6/13/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***L.SIPOLINS***
SOUTH OF CARLING AVE. OTTAWA CITY ON

Database: ***CA***

Certificate #: 7-1008-85-006
Application Year: 85
Issue Date: 11/15/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa***
Carling Ave Ottawa ON

Database: ***CA***

Certificate #: 2472-8GRQTN
Application Year: 2011
Issue Date: 5/20/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa***
Killeen Ave Ottawa ON

Database: ***CA***

Certificate #: 4171-7F4KG2
Application Year: 2008
Issue Date: 6/2/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Northern Telecom Canada Limited, Ottawa Carling Campus***
Carling Campus, City of Ottawa CITY OF OTTAWA ON

Database: ***EBR***

EBR Registry No: IA8E0946
Ministry Ref No: 8411698
Notice Type: Instrument Decision
Notice Stage: 800472369
Notice Date: September 18, 1998
Proposal Date: July 02, 1998
Year: 1998
Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Off Instrument Name:
Posted By:
Company Name: Northern Telecom Canada Limited, Ottawa Carling Campus
Site Address:
Location Other:
Proponent Name:
Proponent Address: P.O. Box 3511, Station 'C', Ottawa Ontario, K1Y 4H7
Comment Period:
URL:

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

Site Location Details:

Carling Campus, City of Ottawa CITY OF OTTAWA

Site: ***City of Ottawa***
Carling Ave Ottawa ON K2G 6J8

Database: ***ECA***

Approval No: 3723-9ATJC6
Approval Date: 2013-08-30
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Carling Ave
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9325-9AMR2C-14.pdf

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

Site: ***City of Ottawa***
Carling Ave Ottawa ON K2G 6J8

Database: ***ECA***

Approval No: 2472-8GRQTN
Approval Date: 2011-05-20
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Carling Ave
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5823-8GCKK6-14.pdf

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

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

Database: ***ECA***

Approval No: 4810-4UMJP8
Approval Date: 2001-03-12
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:

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

Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7825-4UCP9D-14.pdf

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Site: ***GVT OF CAN-HEALTH&WELFARE CAN.MED.16-303***
SER.BR,UNIT#25,RM B-16, CARLING AVE. K.W. NEATBY BLDG., C/O 301 ELGIN ST. OTTAWA ON K1A 0L3

Database: ***GEN***

Generator No: ON0095617
Status:
Approval Years: 92,93,94,95,96,97
Contam. Facility:
MHSW Facility:
SIC Code: 8635
SIC Description: PUB. HEALTH CLINICS

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Site: ***OTTAWA TRANSIT***
CARLING AVENUE BUS OTTAWA ON

Database: ***SPL***

Ref No: 187680
Site No:
Incident Dt: 9/29/2000
Year:
Incident Cause: PIPE/HOSE LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: POSSIBLE
Nature of Impact: Water course or lake
Receiving Medium: WATER
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 9/29/2000
Dt Document Closed:
Incident Reason: UNKNOWN
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: OC TRANSPO:DIESEL FUEL LEAK FROM FUEL PUMP/LINE INTO SEWER-WORKS NOTIFIED
Contaminant Qty:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20107
Site Lot:
Site Conc:
Northing:
Easting: PUBLIC WORKS, FIRE DEPARTMENT
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: ***HOTEL/MOTEL***
CARLING AVENUE (N.O.S.) OTTAWA CITY ON

Database: ***SPL***

Ref No: 84065
Site No:
Incident Dt: 4/14/1993
Year:
Incident Cause: UNDERGROUND TANK LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:

Environment Impact:	CONFIRMED	***Site Municipality:***	20101
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	MCCR
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	4/14/1993	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	CORROSION	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	EMBASSY WEST HOTEL: FUEL-CONTAMINATED SOIL FOUND BY UNDERGROUND TANK		
Contaminant Qty:			

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

Database: ***SPL***

Ref No:	30833	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	2/12/1990	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CONTAINER LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	20101
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2/12/1990	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	CORROSION	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	PETRO CANADA SERVICE STN.FURANCE OIL LEAK.		
Contaminant Qty:			

Site:
denied s. 21(1) Ottawa ON

Database: ***SPL***

Ref No:	3017-6BEK8K	***Discharger Report:***	0
Site No:		***Material Group:***	Oil
Incident Dt:	4/13/2005	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Tank (Above Ground) Leak	***Sector Type:***	Other
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:	FURNACE OIL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Ottawa
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	Ottawa
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	4/13/2005	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	M.C.B.S. - Fuel Safety; Spill to Land
Incident Reason:	Equipment Failure	***Source Type:***	

Site Name:	denied s. 21(1)
Site County/District:	
Site Geo Ref Meth:	
Incident Summary:	TSSA: furnace oil to soil
Contaminant Qty:	

Site: ***City of Ottawa***
Ebound Carling Ave in front of Campbell's Ford dealership Ottawa ON

Database: ***SPL***

Ref No:	6113-7XUHSY	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Pipe Or Hose Leak	***Sector Type:***	Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:	27	***Nearest Watercourse:***	
Contaminant Name:	COOLANT N.O.S.	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	11/16/2009	***Site Map Datum:***	
Dt Document Closed:	11/24/2009	***SAC Action Class:***	Watercourse Spills
Incident Reason:	Other - Reason not otherwise defined	***Source Type:***	

Site Name:	Ebound Carling Ave in front of Campbell's Ford dealership<UNOFFICIAL>
Site County/District:	
Site Geo Ref Meth:	
Incident Summary:	OC Transpo: 10 L coolant to rd, cb.
Contaminant Qty:	10 L

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ***Note:*** *Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory: Provincial AAGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2019

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Jul 31, 2019

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

Chemical Register: Private CHEM

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

Government Publication Date: 1999-Jul 31, 2019

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 - Nov 2019

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Nov 2019

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Nov 30, 2019

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2019

Environmental Activity and Sector Registry: Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011-Dec 31, 2019

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-Nov 30, 2019

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-Dec 31, 2019

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-Oct 31, 2019

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: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2018

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

Federal Convictions: Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government.

Government Publication Date: Jun 2000-Nov 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FED TANKS

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

Government Publication Date: May 31, 2018

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 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Oct 31, 2019

Greenhouse Gas Emissions from Large Facilities: Federal GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2017

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing 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: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Jan 2019

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, 2017

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Sep 30, 2019

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Aug 31, 2019

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Jun 2019

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Nov 30, 2019

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: 1988-Dec 2019

Pipeline Incidents: Provincial PINC

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

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994-Nov 30, 2019

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental 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).

Government Publication Date: 1997-Sept 2001, Oct 2004-Nov 2019

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-Jul 31, 2019

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Jun 2019

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970-Aug 2018

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: 2011-Dec 31, 2019

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Feb 28, 2019

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

Kelly Martinell, P.Eng.(NB)

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Environmental Engineer

EDUCATION

Dalhousie University
B.Eng., Environmental Engineering (Co-op), 2007
Saint Mary's University
Dip.Eng., Environmental Engineering, 2004

MEMBERSHIPS & AWARDS

Association of Professional Engineers and Geoscientists of New Brunswick (P.Eng.)

EXPERIENCE

2020 – Present
Paterson Group Inc.
Consulting Engineers
Geotechnical and Environmental Division
Environmental Engineer

2007– 2017
Dillon Consulting Limited
Geoscience Practice
Environmental Engineer

2006
Dillon Consulting Limited
Site Contaminant Management Practice
Environmental Engineering Student

2006
Public Works and Government Services Canada
Sustainable Development Initiatives, Office of Greening Government Operations
Environmental Engineering Student

SELECTED LIST OF PROJECTS

Soil and Groundwater Management Programs at over 90 Oil and Gas Sites – Various locations in New Brunswick and Nova Scotia
Environmental Site Assessments – Residential Sites, 5CDSB Gagetown, NB
Phase I Environmental Site Assessments – Commercial Sites, NB
LNAPL Mobility Assessments – Marine Terminal and 2 Bulk Plants in NB
Fisheries and Oceans Canada Contaminated Sites Program – NB and PE
CBSA Potable Water Monitoring Program – New Brunswick
Remediation – Argentia, Newfoundland

Mark S. D'Arcy, P. Eng.

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Associate and Supervisor of the Environmental Division
Senior Environmental/Geotechnical Engineer

EDUCATION

Queen's University, B.A.Sc.Eng, 1991
Geotechnical / Geological Engineering

MEMBERSHIPS

Ottawa Geotechnical Group
Professional Engineers of Ontario

EXPERIENCE

1991 to Present
Paterson Group Inc.
Associate and Senior Environmental/Geotechnical Engineer
Environmental and Geotechnical Division
Supervisor of the Environmental Division

SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island
Agricultural Supply Facilities - Eastern Ontario
Laboratory Facility – Edmonton (Alberta)
Ottawa International Airport - Contaminant Migration Study - Ottawa
Richmond Road Reconstruction - Ottawa
Billings Hurdman Interconnect - Ottawa
Bank Street Reconstruction - Ottawa
Environmental Review – Various Laboratories across Canada - CFIA
Dwyer Hill Training Centre – Ottawa
Nortel Networks Environmental Monitoring - Carling Campus – Ottawa
Remediation Program - Block D Lands – Kingston
Investigation of former landfill sites – City of Ottawa
Record of Site Condition for Railway Lands – North Bay
Commercial Properties – Guelph and Brampton
Brownfields Remediation – Alcan Site - Kingston
Montreal Road Reconstruction - Ottawa
Appleford Street Residential Development - Ottawa
Remediation Program - Ottawa Train Yards
Remediation Program - Bayshore and Heron Gate
Gladstone Avenue Reconstruction – Ottawa
Somerset Avenue West Reconstruction - Ottawa

Kelly Martinell, P.Eng.

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Environmental Engineer

EDUCATION

Dalhousie University
B.Eng., Environmental Engineering (Co-op), 2007
Saint Mary's University
Dip.Eng., Environmental Engineering, 2004

MEMBERSHIPS & AWARDS

Professional Engineers of Ontario (P.Eng.)

EXPERIENCE

2020 – Present
Paterson Group Inc.
Consulting Engineers
Geotechnical and Environmental Division
Environmental Engineer

2007– 2017
Dillon Consulting Limited
Geoscience Practice
Environmental Engineer

2006
Dillon Consulting Limited
Site Contaminant Management Practice
Environmental Engineering Student

2006
Public Works and Government Services Canada
Sustainable Development Initiatives, Office of Greening Government Operations
Environmental Engineering Student

SELECTED LIST OF PROJECTS

Phase I & II Environmental Site Assessments – Residential and Commercial Sites – Ottawa (CSA Z768-01 and O.Reg. 269/11)
Soil and Groundwater Management Programs at over 90 Oil and Gas Sites – Various locations in New Brunswick and Nova Scotia
Environmental Site Assessments – Residential Sites, 5CDSB Gagetown, NB
Phase I Environmental Site Assessments – Commercial Sites, NB
LNAPL Mobility Assessments – Marine Terminal and 2 Bulk Plants in NB
Fisheries and Oceans Canada Contaminated Sites Program – NB and PE
CBSA Potable Water Monitoring Program – New Brunswick
Remediation – Argentia, Newfoundland

Karyn Munch, P.ENG.

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Intermediate Environmental Engineer

EDUCATION

Carleton University, B.Eng. 2002
Environmental Engineering

MEMBERSHIPS AND AWARDS

Professional Engineers of Ontario
Ottawa Geotechnical Society

EXPERIENCE

2011-present
Paterson Group Inc.
Consulting Engineers
Geotechnical and Environmental Division
Intermediate Engineer

2009-2010
Department of Indian and Northern Affairs
Contaminated Sites Division
Environment Officer (PC-02)

2003 to 2009
Paterson Group Inc.
Consulting Engineers
Geotechnical and Environmental Division
Intermediate Engineer

2002 to 2003
Dessau Soprin Inc.
Consulting Engineers
Environmental Division
Junior Engineer

SELECT LIST OF PROJECTS

Billings-Hurdman Interconnect Watermain - Ottawa
Telus Building Remediation - Ottawa
Block D Lands Remediation and Redevelopment – Kingston
Gladstone Avenue Reconstruction - Ottawa
Lees Avenue Coal Tar Site - City of Ottawa
Nortel Networks Environmental Monitoring Program
3W Zone Feedermain – Ottawa
Bank Street Reconstruction – Ottawa
Lees Avenue Remediation Program – Ottawa
Colonnade Road North Development – Ottawa
Montreal Road Reconstruction – Ottawa
Designated Substance Surveys – Residential and Commercial Sites - Ottawa
Phase I & II Environmental Site Assessments – Residential, Commercial and Industrial Sites – Ottawa (CSA Z768-01 and O.Reg 269/11)
Brownfields Applications and Records of Site Condition – Residential and Commercial Redevelopment