



**Ms. Marilyn Steinberg**

**Phase I Environmental Site Assessment  
20-22 Hawthorne Avenue  
Ottawa, Ontario**

**BDC1148**

**July 30, 2019**

**CM3 Environmental Inc.**

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## EXECUTIVE SUMMARY

CM3 Environmental (CM3) was retained by Ms. Marilyn Steinberg to conduct a Phase I Environmental Site Assessment (ESA) for the property located at 20-22 Hawthorne Avenue Ottawa, Ontario ("site" or "subject property"). The objective of this Phase I ESA was to identify potential or actual environmental concerns and/or liabilities on the site associated with activities at the site and/or from activities on surrounding properties. The Phase I ESA was completed in support of Demolition Control Approval and not in support of the filing of a record of site condition. The Phase I ESA was completed following the requirements of the Canadian Standards Association (CSA) Standard Z768-01 and in accordance with Ontario Regulation (O. Reg.) 153/04.

The Phase I ESA was completed under the supervision of Mr. Bruce Cochrane, P.Geo EIP from CM3 Environmental Inc. who has 29 years of experience in contaminated lands consulting.

The Phase I ESA was completed through a site inspection, interviews, and a records review consisting of a review of aerial photographs, fire insurance plans, chain of title searches, a city directory search, a Freedom of Information request and the results of an Ecolog Environmental Risk Information Services database search.

The subject property consisted of north facing two storey duplex residential building with a shared paved driveway between 24 Hawthorne and 20-22 Hawthorne. The ground surface finishes are either asphalted or vegetated. It is estimated from the aerial photographs and historical site information that the residential building was constructed prior to 1911. Surrounding land uses have included commercial, residential, and institutional since the area was developed. In addition, several former and existing fuel storage tanks, waste generators (including one dry cleaning operation) and spills in the Phase I study area were identified in the historic records search.

One potentially contaminating activity was identified at the subject property and several potentially contaminating activities (PCAs) were identified in the Phase I study area, based on the findings of the Phase I ESA. The on-site PCA is storage of fuel in a former exterior aboveground storage tank and current interior AST. The off-site PCAs included multiple surrounding properties that had been or are actively used for commercial activities involving automobile repair, service stations, plastic manufacturing and cleaning services.

It is known that a fuel oil leak occurred at the subject property from a former fuel oil AST on the exterior east side of the 22 Hawthorne building.

In addition to the above, CM3 has considered the first known development of the site and Phase I study area in the identification of potential environmental concerns. Due to the age of the development and the likelihood of mixed commercial, residential land use, it is likely that contaminating activities other than those listed above (coal storage and coal burning equipment and fuel oil storage and oil burning equipment) may have occurred on site or within the study area. Additional environmental concerns may be present, related to waste generators and spills in the study area.

The above PCAs were evaluated with respect to the age and location (source) of the PCA and the potential pathways/migration to the subject property. The following APECs and contaminants of concern (COCs) were identified, as well as other areas of environmental concern related to contaminating activities not listed in O.Reg. 153/04:

| <b>Areas of Potential Environmental Concern</b> |                 |   |                            |
|---|-----------------|---|----------------------------|
| <b>APEC</b>                                     | <b>Location</b> | <b>Cause of Concern</b>   | <b>COCs</b>                |
| 1   | 22 Hawthorne    | Potential hydrocarbon impacts to groundwater and or soils on site.<br>Fuel oil leak | BTEX, PHCs F1-F4 fractions |

BTEX - Benzene, toluene, ethylbenzene, xylenes  
PHCs F1-F4 - Petroleum hydrocarbons F1 to F4 fractions

CM3 has completed a Phase II ESA for the residential heating oil spill that occurred on the 20-22 Hawthorne Avenue property in 2016. The CM3 report for the subject property has confirmed an area of actual environmental concern along the east side of the subject property and onto the adjacent 24 Hawthorne property where heating oil contaminated soil and groundwater are present.

This Phase I ESA did not include any intrusive investigation or analytical testing of building materials for designated substances. Due to the age of the building, a designated substance and hazardous materials survey is also recommended to confirm the possible presence of hazardous substances at the subject property. Radon testing would also be required to conclusively rule out possible radon impacts.

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## **1 INTRODUCTION**

CM3 Environmental (CM3) was retained by Ms. Marilyn Steinberg to conduct a Phase I Environmental Site Assessment (ESA) for the property located at 20-22 Hawthorne Avenue Ottawa, Ontario (“site” or “subject property”). The Phase I ESA was completed in support of a Demolition Control Approval and not in support of the filing of a record of site condition.

The Phase I ESA was completed under the supervision of Mr. Bruce Cochrane, P. Geo, EIP from CM3 Environmental Inc. who has 29 years of experience in contaminated lands consulting.

### **1.1 Phase I Property Information**

The subject property is located on the south side of Hawthorne Avenue in Ottawa, Ontario (**Figure 1**). The civic address for the subject property is 20-22 Hawthorne Avenue Ottawa, Ontario. The legal description for the site is PLAN 220 LOT 4 W4 PT LOT 5. The property identification number for the subject property is 041260013. The subject property is zoned commercial/mixed use zone 16 Traditional Mainstreet Zone. The current property owner is Ms. Marilyn Steinberg through Zelma Palef Holdings Limited and the site was unoccupied at the time of the Phase I site assessment.

### **1.2 Phase I Objective**

The objective of this Phase I ESA was to identify potential or actual environmental concerns and/or liabilities on the site associated with activities at the site and/or from activities on surrounding properties. The Phase I was completed for due diligence purposes in support of a Demolition Control Approval. The Phase I was not completed in support of filing a record of site condition (RSC).

### **1.3 Site Description**

The subject property is rectangular in shape and is bounded by residential properties to the east, west and south and Hawthorne Avenue to the north. The total area of the subject property is approximately 0.032 hectares (320 square metres) and includes one north facing two storey duplex residential building. The areas to the north of the building are covered by grass and a small garden, to the east building is covered by asphalt drive, to the west a gravel driveway and to the south the land is covered by vegetation and asphalt. The laneway on the east side of the building is shared with 24 Hawthorne. The Phase I property location is provided as **Figure 1** and a site plan is provided as **Figure 2**. Photographs of the subject property are provided in **Appendix A**.

## **2 PHASE I ENVIRONMENTAL SITE ASSESSMENT SCOPE OF INVESTIGATION**

### **2.1 Methodology**

CM3 completed the Phase I ESA following the requirements of the Canadian Standards Association (CSA) Standard Z768-01 and in general accordance with Ontario Regulation (O. Reg.) 153/04. The scope of work for the Phase I ESA included:

- A historical document review including air photographs;
- A search of the pertinent records from municipal, provincial and federal agencies;
- Reconnaissance of the property; and
- The preparation of the Phase I ESA report.

### **3 RECORDS REVIEW**

CM3 completed a review of historical records relevant to the subject property, including historical databases, geological maps, aerial photographs, and available drawings. A radius of 250 m from the subject property was investigated to identify potentially contaminating activities (PCAs) as provided by O.Reg. 153/04. The majority of the database information was obtained through Environmental Risk Information Services (ERIS), a private environmental information service that provides environmental and historical information from governmental (Federal and Provincial), and private source records. The findings of the historical records review are incorporated into the following sections.

#### **3.1 General**

##### **3.1.1 Phase I Study Area**

The Phase I Study Area included the subject property at 20-22 Hawthorne Avenue and all lands within a 250 m radius of the property boundary. The Phase I study area is illustrated within the ERIS historical report in **Appendix B**.

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

The first developed land use was determined based on the historical records search and historical aerial photographs. The residential building on site appears to have been developed before 1911 and it is suspected that the current on-site residential building is the first developed use.

##### **3.1.3 Fire Insurance Plans**

A fire insurance plan (FIP) search was requested from ERIS. Records from 1948 and 1958 were reviewed. The FIPs did not identify any fuel storage tanks or any other potential causes for contaminants on the site or in the immediate vicinity of the site. Several PCAs were identified within the 250 m radius of the Phase I study area but they are not considered to have had an environmental impact on the subject property due to the distances and elevations relative to the subject site. The results of the FIP search are provided in **Appendix C**.

##### **3.1.4 Title Search**

A title search was requested from ERIS. The search indicated that the property was transferred from Zelma Palef to Zelma Palef Holdings Limited in 2009. Zelma Palef Holdings Limited is owned by Ms. Marilyn Steinberg. The chain of title search is provided in **Appendix D**.

### **3.1.5 City Directory Search**

A city directory search was conducted for the subject property. Information was available for several years from 1901 to 2011. The subject property was not listed until 1911. The site was listed as a two-tenant residential from 1911 to 2011. The city directory is included in **Appendix E**.

### **3.1.6 Previous Environmental Studies**

CM3 had reviewed the CM3 Phase II ESA reports that were prepared for the residential heating oil spill that occurred at the 20-22 Hawthorne Avenue property in 2016. The CM3 reports confirmed an area of actual environmental concern along the east side of the subject property and onto the off-site property to the east, 24 Hawthorne, where heating oil contaminated soil and groundwater are present.

## **3.2 Environmental Source Information**

### **3.2.1 Freedom of Information Request**

CM3 completed a freedom of information request for the property from the Ontario Ministry of the Environment, Conservation and Parks, (MECP). Records have been ordered but have not been received prior to this report being issued. If additional information becomes available that may affect the findings of this Phase I ESA, CM3 will provide an addendum to this report updating the findings. The freedom of information request is provided in **Appendix F**.

### **3.2.2 ERIS Records Review**

ERIS is a private environmental database and information service that provides environmental and historical information from governmental (Federal and Provincial), and private source records. Databases that were searched are listed in the EcoLog documents (**Appendix B**).

A search was requested for the site and the surrounding properties within a 250 m radius. Four records were identified on the subject property and 124 records were identified within the Phase I Study Area as of July 24, 2019. The records are summarized as follows:

#### Subject Property

- Two TSSA incidents; and
- Two Ontario Spills.

#### Phase I Study Area (Surrounding Properties within 250 m radius)

- 20 boreholes recorded in various provincial (MTO, OGS, etc.) databases;
- Six Certificates of Approval (C of As);
- One Dry Cleaning Facility
- Five Environmental Compliance Approvals (ECAs);
- Seven ERIS historical searches;
- 51 registered sites in the Ontario Regulation 347 waste generator summary;

- Two TSSA Pipeline Incidents;
- One Record of Site Condition (RSC);
- One listing in the Scott's Manufacturing Directory;
- Three spills identified in the Ontario Spills database; and
- 27 well records in the Ontario water well information system (WWIS).

Details of the above are included in the ERIS documents (**Appendix B**). The majority of the above records were not considered to be of environmental concern because they were at a lower elevation than the subject site and were considered down-gradient (inferred) or cross gradient to the site. Four records for the heating oil leak at 22 Hawthorne Avenue were reported including two TSSA Incidents and two Spill records that are an environmental concern for the subject property. All four records reference the same incident.

Other environmental concerns were identified with respect to numerous waste generators, TSSA incidents, spills and sites listed in the PCB register. The wastes listed in the generators registry included solvents (former dry cleaner approximately 40 m east), petroleum products, acid/alkaline wastes, heavy metals, PCBs, waste oils and sludges, photo processing waste and other potential contaminants. TSSA incidents and spills of potential concern included the release of fuel oil, grease, furnace oil, hydraulic fluid, glycol, diesel fuel, gasoline and coolant.

A total of 169 database search items were identified within the search radius but were unplotable sites (i.e. location unknown). The unplotable summary is provided in the ERIS report (**Appendix B**) and included:

- Three Abandoned Aggregate Inventory;
- 36 Certificates of Approval (C of As);
- One site on the Environmental Registry;
- 15 Environmental Compliance Approvals (ECAs);
- One ERIS Historical Search;
- 56 registered sites in the Ontario Regulation 347 waste generator summary;
- Two National Defence and Canadian Forces Fuel Tanks;
- Four records in the National PCB Inventory;
- Two TSSA pipeline incidents;
- One Permit to take Water;
- One Retail Fuel Storage Tank;
- 45 spill sites identified in the Ontario Spills database; and
- Two water well records.

Environmental concerns for the subject property with respect to the unplotable sites were not identified since the locations of the occurrences are not known or are at a distance not to affect the site.

### 3.3 Physical Setting

#### 3.3.1 Aerial Photographs

Aerial photographs provided by the City of Ottawa GIS and Google Earth dating from 1928 to 2017 were reviewed as part of this assessment. Photographs prior to 1928 were not reviewed. Observations from the aerial photographs are provided in the following table:

| <b>Table 1: Aerial Photographs</b> |  |   |
|------------------------------------|--|---|
| <b>Property</b>                    | <b>Date(s)</b>   | <b>Observations</b>   |
| Subject Property                   | 1928<br>1958<br>1968<br>1976<br>1991<br>1999<br>2002<br>2005 to present. | Photo is blurry. Current residential building is present.<br>Photo is blurry. Current residential building is present.<br>Similar to 1958.<br>Photo is very blurry. Similar to 1968.<br>Similar to previous air photos..<br>No significant changes.<br>Current building present.<br>No significant changes.   |
| North                              | 1928<br>1958<br>1968<br>1976<br>1991<br>1999<br>2002 to present          | Residential and commercial buildings. Railway present.<br>Photo is blurry. Appears to be developed with residential or commercial building. Railway present.<br>Similar to 1958. Queensway highway construction began in place of previous railway.<br>Photo is very blurry. Similar to 1968. Construction of Queensway appears completed.<br>Similar to previous air photos.<br>No significant changes.<br>No significant changes. |
| East                               | 1928<br>1958<br>1968<br>1976<br>1991<br>1999<br>2002 to present          | Appears to be undeveloped.<br>Photo is blurry. Residential properties present to the east.<br>Similar to 1958.<br>Photo is very blurry. Similar to 1968.<br>Similar to previous air photos.<br>Photo is blurry. No significant changes.<br>No significant changes.  |
| South                              | 1928<br>1958<br>1968<br>1976<br>1991<br>1999<br>2002 to present          | Graham Avenue is present. Appears to be mixed residential on south side of Hawthorne Avenue.<br>Similar to 1928. More residential buildings present to the south.<br>Similar to 1958.<br>Photo is very blurry. Similar to 1968.<br>Similar to previous air photos.<br>No significant changes.<br>No significant changes.  |

| <b>Table 1: Aerial Photographs</b> |   |  |
|------------------------------------|---|--|
| <b>Property</b>                    | <b>Date(s)</b>  | <b>Observations</b>  |
| West                               | 1928<br>1958<br>1968<br>1976<br>1991<br>1999<br>2002 to present | Appears to be residential along Hawthorne Avenue.<br>Similar to 1928.<br>Similar to 1958.<br>Photo is very blurry. Similar to 1968.<br>Similar to previous air photos.<br>No significant changes.<br>No significant changes. |

Aerial photographs are provided in **Appendix G**. The GeoOttawa and Google Earth air photographs are not provided due to copyright laws.

### **3.3.2 Regional Topography**

Topographical maps and observations during the site reconnaissance indicate the topography of the subject property is flat with an elevation of approximately 70.96 m above sea level (m asl). The Ontario Base Map showing topographic contours is provided in **Appendix H**.

### **3.3.3 Regional Geology**

The surficial geology of the subject property was interpreted from the ERIS Physical Settings Report. The surficial geology at the subject property consists of fine-textured glaciomarine deposits of massive to well laminated silt and clay with minor sand and gravel. The surficial geology and soils maps are provided in **Appendix H**.

The bedrock geology of the subject property was interpreted from the ERIS Physical Settings Report. The bedrock at the site consists of shale, limestone, dolostone and siltstone of the Georgian Bay, Blue Mountain and Billings Formations, (Collingwood Member and Eastview Member). The bedrock geology map is provided in **Appendix H**.

### **3.3.4 Regional Hydrogeology**

The regional groundwater flow direction was inferred based on the topography at the subject property and surrounding area and the presence of local water bodies. The inferred regional groundwater flow is north-west similar to the flow of the Rideau Canal.

### **3.3.5 Fill Materials**

Information regarding fill materials was not available. However, it is assumed that fill was imported during the development of the subject property.

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

The closest water body is the Rideau Canal approximately 92 m to the west of the site. The canal can be seen relative to the site property on **Figure 1**.



Areas of natural and scientific interest (ANSI) were included in the ERIS search. ANSI were not located within the Phase I Study Area. The ANSI map is provided in **Appendix H**.

### 3.3.7 Well Records

Twenty-seven well records for the Phase I Study Area were identified in the Ontario Water Well Information System (WWIS). The well uses are summarized in the following table:

| Table 2: Well Records |                           |                                 |
|-----------------------|---------------------------|---------------------------------|
| Well Type/Status      | Total on Subject Property | Total within Phase I Study Area |
| Commercial/industrial | 0                         | 0                               |
| Domestic              | 0                         | 0                               |
| Observation/test      | 0                         | 26                              |
| Abandoned             | 0                         | 0                               |
| Unknown (unplottable) | 0                         | 1                               |
| <b>Total</b>          | 0                         | 27                              |

The well records are summarized in the ERIS report (**Appendix B**).

## 4 SITE INTERVIEWS

CM3 met with Ms. Marilyn Steinberg, the owner of the building in February of 2017. Known information on the history of the site and site operations were provided by Ms. Steinberg. All information gathered in the interviews is incorporated into the appropriate sections of this report.

## 5 SITE RECONNAISSANCE

CM3 conducted a site visit on July 22, 2019. During the site investigation, all outdoor areas of the subject property were accessible and free of snow cover or standing water. The roof of the building was observed from the ground. The site was not in use at the time of the site visit and the residences on site was unoccupied. Adjacent properties within the Phase I Study Area were observed from the subject property and publicly accessible areas.

### 5.1 Subject Property

A general description of the subject property is provided in Section 1.3. The subject property is rectangular in shape and is bounded by residential properties to the west, east and south with Hawthorne Avenue to the north. The total area of the subject property is approximately 0.032 hectares (320 square metres) and access to the property is north off Hawthorne Avenue. The subject property includes one north facing two storey duplex residential building with two entrances for the duplex units from Hawthorne avenue and two at the rear of the building to the south. The areas to the north of the building are covered by grass and a small garden, to the east of the building are covered by asphalt, to the west by a gravel driveway and to the south the land is covered by vegetation. A shared laneway with 24 Hawthorne is located on the east side of the

building. A site plan is provided as **Figure 2**. Photographs of the subject property are provided in **Appendix A**.

## 5.2 Adjacent Properties

The subject property is in an area designated as mixed land use that includes residential and commercial. The properties adjacent to, and surrounding the subject property are provided on **Figure 2** and described in the following table:

| <b>Table 3: Adjacent Property Use</b> |   |
|---------------------------------------|---|
| <b>Direction</b>                      | <b>Description</b>  |
| North adjacent                        | Hawthorne Avenue, commercial property with automotive repair business |
| North beyond                          | Queensway Highway   |
| East adjacent                         | Residential   |
| East beyond                           | Residential and commercial with small businesses                      |
| South adjacent                        | Residential   |
| South beyond                          | Graham Avenue, Institutional building                                 |
| West adjacent                         | Residential   |
| West beyond                           | Residential, Rideau Canal   |

Photographs of the adjacent properties are provided in **Appendix A**.

The current property uses adjacent to the subject property are primarily residential. Commercial properties were located on the north side of Hawthorne Avenue, directly across from the subject site at 20-22 Hawthorne Avenue. The commercial properties are considered down-gradient of the subject site and not an environmental concern.

## 5.3 Specific Observations at the Subject Property

### 5.3.1 Structures

One building was located on the subject property. The main residential building on the subject property appears to have been constructed prior to 1911 based on the city directories. The residential building is approximately 140 square metres and is brick-clad, wood framed construction on a stone foundation.

The exterior of the residential building is brick. The roof of the residential building was reported to be asphalt.

Photographs of the exterior and interior of the building are included in **Appendix A**.

### 5.3.2 Below Ground Structures

The residential building onsite has an unfinished basement with a stone foundation.

### **5.3.3 Storage Tanks**

There was one former 900 litre steel aboveground storage tank (AST) used for heating oil located at the south end of the east wall of the 22 Hawthorne building and one current 900 litre fuel oil AST located in the basement of 22 Hawthorne at the east end of the south wall. The unit at 20 Hawthorne is currently heated by natural gas and may have been heated by fuel oil at one time. A fuel oil release is known to have occurred on the 22 Hawthorne property in November-December 2016. The location of the existing and former ASTs is provided on **Figure 2**.

### **5.3.4 Floor Drains and Sumps**

There were no floor drains or sumps noted on-site.

### **5.3.5 Water Supply**

The water supply at the subject property is provided by the City of Ottawa and the supply line enters the property from Hawthorne Avenue. The water supply line is located in the 20 Hawthorne unit.

### **5.3.6 Waste Water**

Waste water from the subject property is discharged to the City of Ottawa municipal storm/sanitary sewer located north of the property along Hawthorne Avenue. The main septic drain is located in the 20 Hawthorne unit.

### **5.3.7 Surface Water or Wetlands**

There were no surface water bodies at the subject site.

### **5.3.8 Areas of Stained Soil, Vegetation or Pavement**

No areas of staining were observed at the subject property.

### **5.3.9 Stressed Vegetation**

Vegetation was present at the subject site to the south of the residential building and in front of the garage building that is on site. No stressed vegetation was observed at the time of the site investigation.

### **5.3.10 Fill or Debris**

Fill piles or debris were not observed at the subject property.

### **5.3.11 Polychlorinated Biphenyls (PCBs)**

Polychlorinated Biphenyls (PCBs) may be present in transformers, capacitors, electromagnets, heat transfer units, and fluorescent lamp ballasts at the site. No transformers were observed at the subject site. Fluorescent lights were not present at the subject property.

### **5.3.12 Dry-Cleaning Operations**

Dry cleaning operations were not identified at the subject property. One dry cleaning operation was identified in the Phase I Study Area, at 89 Main Street (former) and it is likely cross gradient and at a lower elevation than the subject site and thus not an environmental concern.

### **5.3.13 Pesticides**

Herbicides and pesticides were not observed at the subject property.

### **5.3.14 Designated Substances**

The most common designated substances found in typical construction are asbestos, lead, mercury and silica. The remaining designated substances (Ethylene Oxide, Vinyl Chloride, Benzene, Arsenic, Coke Oven Emissions, Acrylonitrile, Isocyanates) are not typically found in the construction of buildings of this type and are usually exclusive to industrial processes.

Asbestos may be present within building materials such as plaster, drywall joint compound, flooring materials, insulation and caulking. Lead and mercury may be present in some paint. Mercury may be present in thermostats. Crystalline silica is assumed to be present in the building within concrete structures such as the floor slab. Ozone depleting substances (ODSs) may be present in air conditioning or refrigeration equipment. This Phase I ESA did not include any intrusive investigation or analytical testing of building materials for designated substances. A designated substance and hazardous materials survey would be required to confirm the presence of the above.

### **5.3.15 Solid (Non-hazardous) Waste**

Solid waste concerns were not observed at the subject property. Solid waste and recycling are picked up by the City of Ottawa.

### **5.3.16 Hazardous Waste**

Potential concerns with respect to hazardous wastes were not observed at the subject property.

### **5.3.17 Existing Groundwater Issues**

Seventeen groundwater monitoring wells were observed on site. The wells were installed by CM3 and are related to the heating oil release at 22 Hawthorne.

### **5.3.18 Air Emissions**

No sources of air emissions were observed at the subject property.

### **5.3.19 Radon**

Radon testing was not completed as part of the Phase I ESA and may be a concern at the subject property. Radon testing would be required to conclusively rule out possible radon impacts.

## 6 EVALUATION OF FINDINGS

### 6.1 Current and Past Land Uses

The site was likely developed prior to 1911 for residential purposes. The building was likely heated using coal until conversion to oil burning equipment (date unknown). Surrounding land uses have included residential and commercial since the area was developed. In addition, several former and existing fuel storage tanks, waste generators (including one cleaning operations) and spills in the Phase I study area were identified in the historic records search, however, these sites are cross gradient and at a lower elevation than the subject site and thus not an environmental concern.

### 6.2 Potentially Contaminating Activities

Potentially contaminating activities (PCAs) are listed and numbered in O.Reg 153/04, Schedule D; Table 2. One PCA was identified at the subject property. are provided in the following table:

| <b>Table 4: Phase I Study Area Potentially Contaminating Activities</b> |   |   |
|---|---|---|
| <b>Item</b>   | <b>PCA</b>                                      | <b>Description of Activity</b>                              |
| 28  | Gasoline and associated products in fixed tanks | Former fuel oil tank (Heating oil release at 22 Hawthorne). |

No PCAs were identified on the adjacent properties within the Phase I Study Area.

In addition to the above, CM3 has considered the first known development of the site and Phase I study area in the identification of potential environmental concerns. Due to the age of the development and the likelihood of mixed commercial, residential, it is likely that contaminating activities other than those listed above (coal storage and coal burning equipment) may have occurred on site or within the study area. Additional environmental concerns may be present, related to waste generators and spills in the study area.

### 6.3 Areas of Potential Environmental Concern

Areas of potential environmental concern (APECs) were identified based on the findings of this Phase I ESA. The above PCA was evaluated with respect to the age and location (source) of the PCA and the potential pathways/migration to the subject property. The following APEC and contaminants of concern (COCs) were identified, as well as other areas of environmental concern related to contaminating activities not listed in O.Reg. 153/04:

| <b>Table 5: Areas of Potential Environmental Concern</b> |  |                         |                               |
|--|--|-------------------------|-------------------------------|
| <b>APEC</b>  | <b>Location</b>  | <b>Cause of Concern</b> | <b>COCs</b>                   |
| 1  | East side of property under 22 Hawthorne and shared driveway to the east | Heating fuel release    | BTEX and PHCs F1-F4 fractions |

BTEX - Benzene, toluene, ethylbenzene, xylenes  
PHCs F1-F4 - Petroleum hydrocarbons F1 to F4 fractions

## 6.1 Areas of Environmental Concern

Areas of environmental concern (AECs) have been identified based on the findings of this Phase I ESA and the Phase II ESA that CM3 has conducted on 20-22 Hawthorne Avenue. The AEC is located between the 24 and 20-22 Hawthorne building structures as shown on **Figure 3**.

## 7 CONCLUSIONS

CM3 Environmental was retained by Ms. Marilyn Steinberg to conduct a Phase I Environmental Site Assessment for the property located at 20-22 Hawthorne Avenue Ottawa, Ontario. The findings of the Phase I ESA identified one area of potential environmental concern and area of environmental concern on-site. The contaminants of concern were identified as BTEX and PHCs F1-F4 fractions.

### 7.1 Requirement for a Phase II ESA

CM3 has completed a Phase II ESA to assess the presence and concentrations of the contaminants of concern with respect to the areas of potential environmental concern identified above. The Phase II ESA results have been reported in a subsequent report.

A designated substance survey is also recommended to confirm the possible presence of hazardous substances at the subject property. Radon testing would be required to conclusively rule out possible radon impacts.

## **8 LIMITATIONS**

This report has been prepared and the work referred to in this report has been undertaken by CM3 Environmental Inc. for Ms. Marilyn Steinberg. It is intended for the sole and exclusive use of Ms. Marilyn Steinberg, her affiliated companies and partners and their respective insurers, agents, employees and advisors. Any use, reliance on, or decision made by any person other than Ms. Marilyn Steinberg based on this report is the sole responsibility of such other person. CM3 Environmental Inc. and Ms. Marilyn Steinberg make no representation or warranty to any other person with regard to this report and the work referred to in this report, and they accept no duty of care to any other person or any liability or responsibility whatsoever for any losses, expenses, damages, fines, penalties or other harm that may be suffered or incurred by any other person as a result of the use of, reliance on, any decision made or any action taken based on this report or the work referred to in this report.

The investigation undertaken by CM3 Environmental Inc. with respect to this report and any conclusions or recommendations made in this report reflect CM3 Environmental Inc.'s judgement based on the site conditions observed at the time of the site inspection on the date(s) set out in this report and on information available at the time of preparation of this report. This report has been prepared for specific application to this site and it is based, in part, upon visual observation of the site, as described in this report. Unless otherwise stated, the findings cannot be extended to previous or future site conditions, portions of the site which were unavailable for direct investigation, locations which were not investigated directly, or chemical parameters, materials or analysis which were not addressed. Substances other than those addressed by the investigation described in this report may exist within the site and substances addressed by the investigation may exist in areas of the site not investigated.

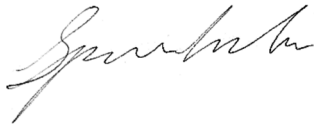
If site conditions or applicable standards change or if any additional information becomes available at a future date, modifications to the findings, conclusions and recommendations in this report may be necessary.

Other than by Ms. Marilyn Steinberg, copying or distribution of this report or use of or reliance on the information contained herein, in whole or in part, is not permitted without the express written permission of CM3 Environmental Inc. Nothing in this report is intended to constitute or provide a legal opinion.

We trust that the above is satisfactory for your purposes at this time. Please feel free to contact the undersigned if you have any questions.

Yours sincerely,

**CM3 Environmental Inc.**



Spencer Cochrane  
Environmental Consultant



Bruce Cochrane P.Geo. QP, EP  
Principal





# **FIGURES**

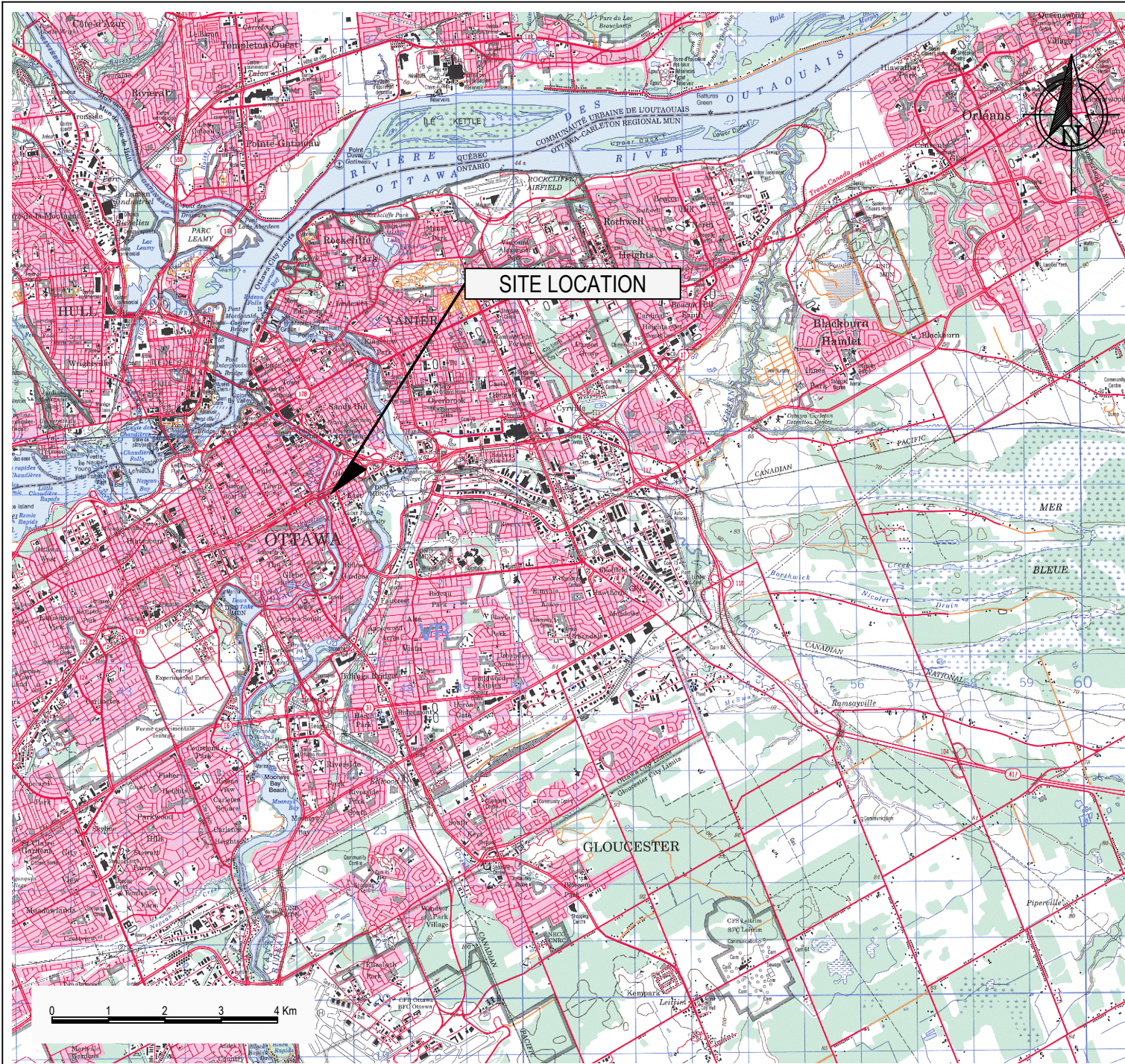
**Phase I Environmental Site Assessment**

**20-22 Hawthorne Avenue**

**Ottawa, Ontario**

**BDC1148**





CM3 ENVIRONMENTAL  
5710 AKINS ROAD, OTTAWA, ON  
K2S 1B8

MARILYN STEINBERG

ENVIRONMENTAL SITE ASSESSMENT  
PHASE I  
20-22 HAWTHORNE AVENUE, OTTAWA, ON,  
K1S 0B1

SITE LOCATION

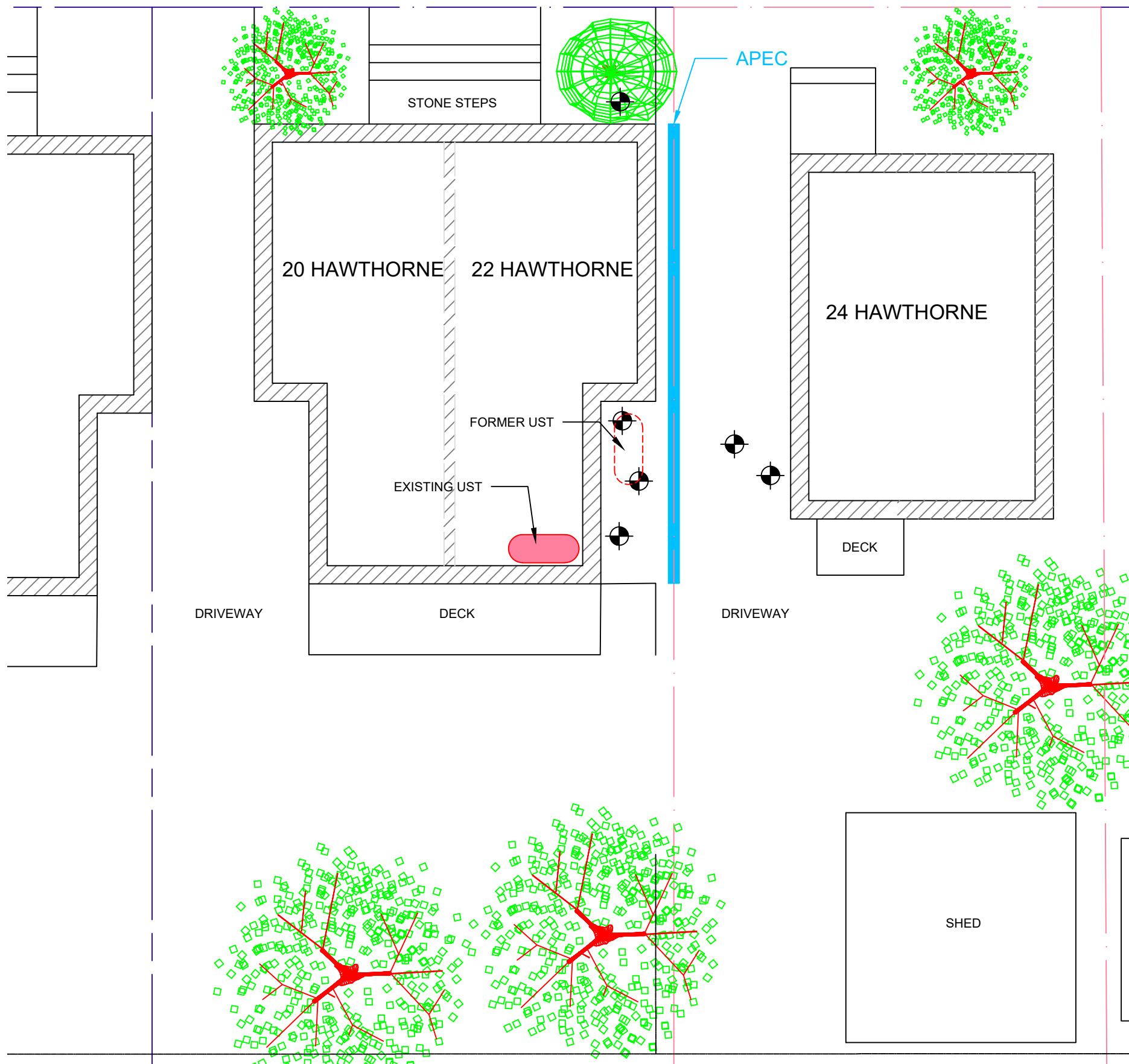
|          |          |              |    |
|----------|----------|--------------|----|
| Project: | BDC1148  | Drawn By:    | SC |
| Date:    | JUL 2019 | Reviewed By: | BC |
| Scale:   | AS SHOWN | Figure:      | 1  |





# HAWTHORNE AVENUE

← CONCRETE SIDEWALK →



THIS DRAWING IS FOR INFORMATION PURPOSES ONLY. NOT ALL STRUCTURES, UTILITIES OR SITE FEATURES ARE SHOWN. THIS DRAWING IS THE PROPERTY OF CM3 ENVIRONMENTAL LOANED TO THE RECIPIENT WHO AGREES THAT IT SHALL NOT BE GIVEN OUT, COPIED OR DUPLICATED FOR THE USE OF ANOTHER BUT SHALL BE USED ONLY BY THE RECIPIENT FOR THE PURPOSE TO WHICH IT REFERS.

**LEGEND**

- PROPERTY BOUNDARY
- SITE
- RESIDENCE/BUILDING
- AREA OF POTENTIAL ENVIRONMENTAL CONCERN
- MONITORING WELL



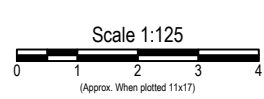
CM3 ENVIRONMENTAL  
5710 AKINS ROAD, OTTAWA, ON  
K2S 1B8

MARILYN STEINBERG

ENVIRONMENTAL SITE ASSESSMENT  
PHASE I  
20-22 HAWTHORNE AVENUE, OTTAWA, ON,  
K1S 0B1

SITE PLAN AREA OF POTENTIAL  
ENVIRONMENTAL CONCERN

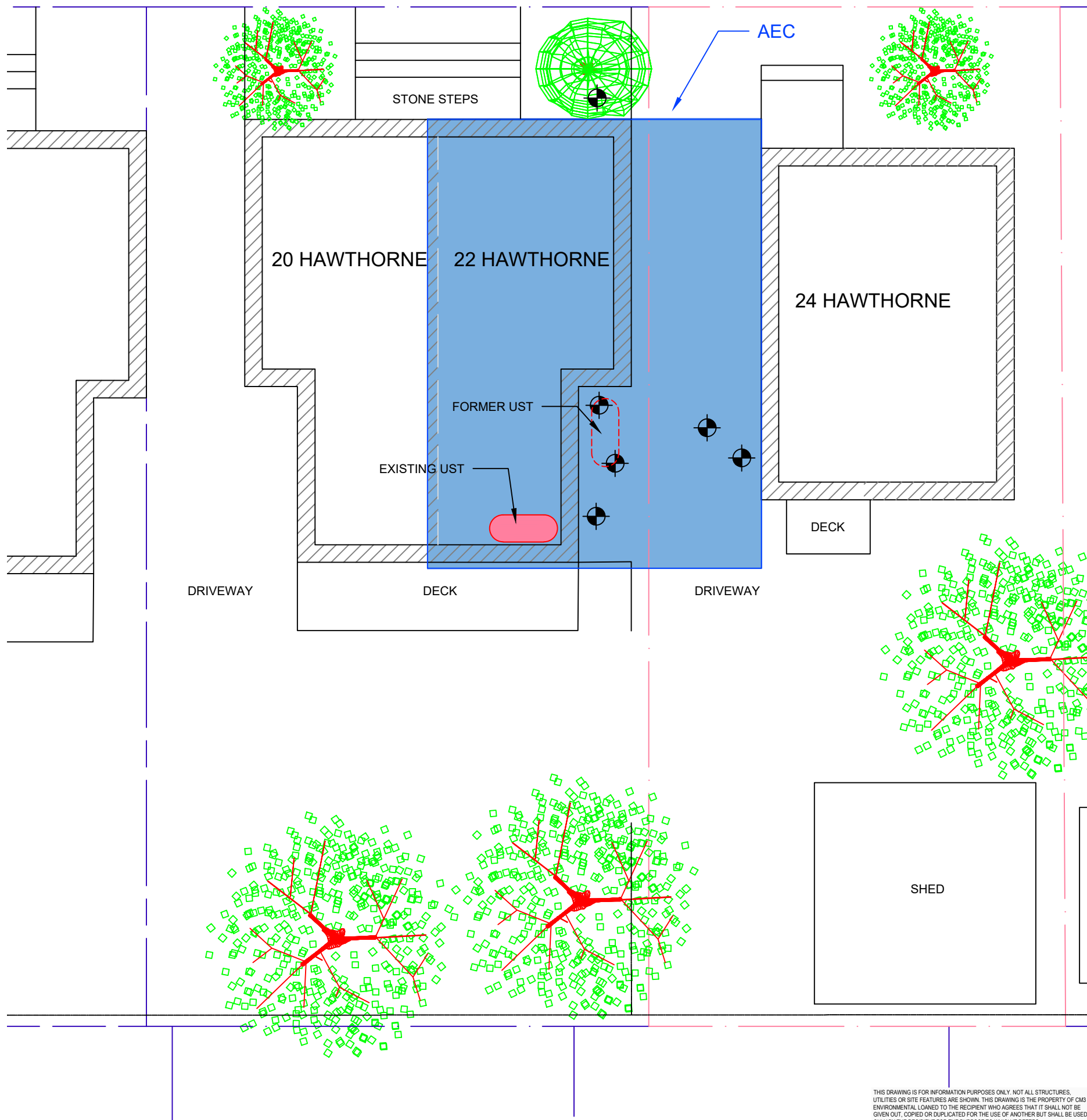
|          |          |              |    |
|----------|----------|--------------|----|
| Project: | BDC1148  | Drawn By:    | SC |
| Date:    | JUL 2019 | Reviewed By: | BC |
| Scale:   | 1:125    | Figure:      | 2  |





# HAWTHORNE AVENUE

← CONCRETE SIDEWALK →



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**LEGEND**

- PROPERTY BOUNDARY
- SITE
- RESIDENCE/BUILDING
- AREA OF ENVIRONMENTAL CONCERN
- MONITORING WELL



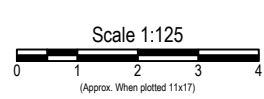
CM3 ENVIRONMENTAL  
5710 AKINS ROAD, OTTAWA, ON  
K2S 1B8

MARILYN STEINBERG

ENVIRONMENTAL SITE ASSESSMENT  
PHASE I  
20-22 HAWTHORNE AVENUE, OTTAWA, ON,  
K1S 0B1

SITE PLAN AREA OF ENVIRONMENTAL CONCERN

|                  |                 |
|------------------|-----------------|
| Project: BDC1148 | Drawn By: SC    |
| Date: JUL 2019   | Reviewed By: BC |
| Scale: 1:125     | Figure: 3       |



# **APPENDIX A**

## **SITE PHOTOGRAPHS**

**Phase I Environmental Site Assessment**

**20-22 Hawthorne Avenue**

**Ottawa, Ontario**

**BDC1148**



**APPENDIX A**  
**PHOTOGRAPHIC RECORD**



|                                   |  |
|-----------------------------------|--|
| <b>Client:</b> Marilyn Steinberg  | <b>Job Number:</b> BDC1148                                 |
| <b>Site Name:</b> 20-22 Hawthorne | <b>Location:</b> 20-22 Hawthorne Avenue<br>Ottawa, Ontario |
| <b>Photographer:</b> SC/JM        | <b>Date:</b> Various                                       |



**Photograph 1:** 20-22 Hawthorne Avenue Main Entrances, Looking South-East



**Photograph 2:** East side and front of 20 Hawthorne, Looking South-West



**APPENDIX A**  
**PHOTOGRAPHIC RECORD**



|                                   |  |
|-----------------------------------|--|
| <b>Client:</b> Marilyn Steinberg  | <b>Job Number:</b> BDC1148                                 |
| <b>Site Name:</b> 20-22 Hawthorne | <b>Location:</b> 20-22 Hawthorne Avenue<br>Ottawa, Ontario |
| <b>Photographer:</b> SC/JM        | <b>Date:</b> Various                                       |



**Photograph 3:** East wall of 20 Hawthorne looking north-east



**Photograph 4:** East wall of 20 Hawthorne and south wall of 20-22 Hawthorne, looking north-east



**APPENDIX A  
PHOTOGRAPHIC RECORD**



|                                   |  |
|-----------------------------------|--|
| <b>Client:</b> Marilyn Steinberg  | <b>Job Number:</b> BDC1148                                 |
| <b>Site Name:</b> 20-22 Hawthorne | <b>Location:</b> 20-22 Hawthorne Avenue<br>Ottawa, Ontario |
| <b>Photographer:</b> SC/JM        | <b>Date:</b> Various                                       |



**Photograph 5:** Entrance to 20 Hawthorne on right, 22 Hawthorne on left.



**Photograph 6:** Looking south-west at front wall and east wall of 22 Hawthorne



**APPENDIX A  
PHOTOGRAPHIC RECORD**



|                                   |  |
|-----------------------------------|--|
| <b>Client:</b> Marilyn Steinberg  | <b>Job Number:</b> BDC1148                                 |
| <b>Site Name:</b> 20-22 Hawthorne | <b>Location:</b> 20-22 Hawthorne Avenue<br>Ottawa, Ontario |
| <b>Photographer:</b> SC/JM        | <b>Date:</b> Various                                       |



**Photograph 7:** View of south and east wall of 22 Hawthorne



**Photograph 8:** Basement of 22 Hawthorne with current AST in basement and oil stain on foundation wall at left of picture from previous exterior AST leak.

**APPENDIX A  
PHOTOGRAPHIC RECORD**



|                                   |  |
|-----------------------------------|--|
| <b>Client:</b> Marilyn Steinberg  | <b>Job Number:</b> BDC1148                                 |
| <b>Site Name:</b> 20-22 Hawthorne | <b>Location:</b> 20-22 Hawthorne Avenue<br>Ottawa, Ontario |
| <b>Photographer:</b> SC/JM        | <b>Date:</b> Various                                       |



**Photograph 9:** Typical main interior finishes for 22 Hawthorne



**Photograph 10:** Kitchen 22 Hawthorne



**APPENDIX A**  
**PHOTOGRAPHIC RECORD**



|                                   |  |
|-----------------------------------|--|
| <b>Client:</b> Marilyn Steinberg  | <b>Job Number:</b> BDC1148                                 |
| <b>Site Name:</b> 20-22 Hawthorne | <b>Location:</b> 20-22 Hawthorne Avenue<br>Ottawa, Ontario |
| <b>Photographer:</b> SC/JM        | <b>Date:</b> Various                                       |



**Photograph 11:** main level, north wall window caulking



**Photograph 12:** Thermostat on main level in 22 Hawthorne

# **APPENDIX B**

## **ERIS HISTORICAL REPORT**

**Phase I Environmental Site Assessment**

**20-22 Hawthorne Avenue**

**Ottawa, Ontario**

**BDC1148**



# DATABASE REPORT

**Project Property:** *22 Hawthorne  
22 Hawthorne Avenue  
Ottawa ON K1S 0B1*

**Project No:** *BDC1148*

**Report Type:** *Standard Express Report*

**Order No:** *20190724153*

**Requested by:** *CM3 Environmental Inc.*

**Date Completed:** *July 24, 2019*

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# Executive Summary

## Property Information:

**Project Property:** 22 Hawthorne  
22 Hawthorne Avenue Ottawa ON K1S 0B1

**Project No:** BDC1148

## **Coordinates:**

**Latitude:** 45.4119867  
**Longitude:** -75.6817961  
**UTM Northing:** 5,028,944.62  
**UTM Easting:** 446,650.54  
**UTM Zone:** 18T

**Elevation:** 233 FT  
70.96 M

## Order Information:

**Order No:** 20190724153  
**Date Requested:** July 24, 2019  
**Requested by:** CM3 Environmental Inc.  
**Report Type:** Standard Express Report

## Historical/Products:

**City Directory Search** CD - Subject Site  
**Land Title Search** Current Land Title Search

## Executive Summary: Report Summary

| <i>Database</i> | <i>Name</i>   | <i>Searched</i> | <i>Project Property</i> | <i>Within 0.25 km</i> | <i>Total</i> |
|-----------------|---|-----------------|-------------------------|-----------------------|--------------|
| AAGR            | <i>Abandoned Aggregate Inventory</i>                            | Y               | 0                       | 0                     | 0            |
| AGR             | <i>Aggregate Inventory</i>                                      | Y               | 0                       | 0                     | 0            |
| AMIS            | <i>Abandoned Mine Information System</i>                        | Y               | 0                       | 0                     | 0            |
| ANDR            | <i>Anderson's Waste Disposal Sites</i>                          | Y               | 0                       | 0                     | 0            |
| AUWR            | <i>Automobile Wrecking &amp; Supplies</i>                       | Y               | 0                       | 0                     | 0            |
| BORE            | <i>Borehole</i>   | Y               | 0                       | 20                    | 20           |
| CA              | <i>Certificates of Approval</i>                                 | Y               | 0                       | 6                     | 6            |
| CDRY            | <i>Dry Cleaning Facilities</i>                                  | Y               | 0                       | 1                     | 1            |
| CFOT            | <i>Commercial Fuel Oil Tanks</i>                                | Y               | 0                       | 0                     | 0            |
| CHEM            | <i>Chemical Register</i>  | Y               | 0                       | 0                     | 0            |
| CNG             | <i>Compressed Natural Gas Stations</i>                          | Y               | 0                       | 0                     | 0            |
| COAL            | <i>Inventory of Coal Gasification Plants and Coal Tar Sites</i> | Y               | 0                       | 0                     | 0            |
| CONV            | <i>Compliance and Convictions</i>                               | Y               | 0                       | 0                     | 0            |
| CPU             | <i>Certificates of Property Use</i>                             | Y               | 0                       | 0                     | 0            |
| DRL             | <i>Drill Hole Database</i>                                      | Y               | 0                       | 0                     | 0            |
| EASR            | <i>Environmental Activity and Sector Registry</i>               | Y               | 0                       | 0                     | 0            |
| EBR             | <i>Environmental Registry</i>                                   | Y               | 0                       | 0                     | 0            |
| ECA             | <i>Environmental Compliance Approval</i>                        | Y               | 0                       | 5                     | 5            |
| EEM             | <i>Environmental Effects Monitoring</i>                         | Y               | 0                       | 0                     | 0            |
| EHS             | <i>ERIS Historical Searches</i>                                 | Y               | 0                       | 7                     | 7            |
| EIIS            | <i>Environmental Issues Inventory System</i>                    | Y               | 0                       | 0                     | 0            |
| EMHE            | <i>Emergency Management Historical Event</i>                    | Y               | 0                       | 0                     | 0            |
| EPAR            | <i>Environmental Penalty Annual Report</i>                      | Y               | 0                       | 0                     | 0            |
| EXP             | <i>List of TSSA Expired Facilities</i>                          | Y               | 0                       | 0                     | 0            |
| FCON            | <i>Federal Convictions</i>                                      | Y               | 0                       | 0                     | 0            |
| FCS             | <i>Contaminated Sites on Federal Land</i>                       | Y               | 0                       | 0                     | 0            |
| FOFT            | <i>Fisheries &amp; Oceans Fuel Tanks</i>                        | Y               | 0                       | 0                     | 0            |
| FST             | <i>Fuel Storage Tank</i>  | Y               | 0                       | 0                     | 0            |
| FSTH            | <i>Fuel Storage Tank - Historic</i>                             | Y               | 0                       | 0                     | 0            |
| GEN             | <i>Ontario Regulation 347 Waste Generators Summary</i>          | Y               | 0                       | 51                    | 51           |
| GHG             | <i>Greenhouse Gas Emissions from Large Facilities</i>           | Y               | 0                       | 0                     | 0            |
| HINC            | <i>TSSA Historic Incidents</i>                                  | Y               | 0                       | 0                     | 0            |
| IAFT            | <i>Indian &amp; Northern Affairs Fuel Tanks</i>                 | Y               | 0                       | 0                     | 0            |
| INC             | <i>TSSA Incidents</i>   | Y               | 2                       | 0                     | 2            |
| LIMO            | <i>Landfill Inventory Management Ontario</i>                    | Y               | 0                       | 0                     | 0            |
| MINE            | <i>Canadian Mine Locations</i>                                  | Y               | 0                       | 0                     | 0            |



| <b>Database</b> | <b>Name</b>  | <b>Searched</b> | <b>Project Property</b> | <b>Within 0.25 km</b> | <b>Total</b> |     |
|-----------------|--|-----------------|-------------------------|-----------------------|--------------|-----|
| MNR             | <i>Mineral Occurrences</i>   | Y               | 0                       | 0                     | 0            |     |
| NATE            | <i>National Analysis of Trends in Emergencies System (NATES)</i>     | Y               | 0                       | 0                     | 0            |     |
| NCPL            | <i>Non-Compliance Reports</i>  | Y               | 0                       | 0                     | 0            |     |
| NDFT            | <i>National Defense &amp; Canadian Forces Fuel Tanks</i>             | Y               | 0                       | 0                     | 0            |     |
| NDSP            | <i>National Defense &amp; Canadian Forces Spills</i>                 | Y               | 0                       | 0                     | 0            |     |
| NDWD            | <i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>   | Y               | 0                       | 0                     | 0            |     |
| NEBI            | <i>National Energy Board Pipeline Incidents</i>                      | Y               | 0                       | 0                     | 0            |     |
| NEBP            | <i>National Energy Board Wells</i>                                   | Y               | 0                       | 0                     | 0            |     |
| NEES            | <i>National Environmental Emergencies System (NEES)</i>              | Y               | 0                       | 0                     | 0            |     |
| NPCB            | <i>National PCB Inventory</i>  | Y               | 0                       | 0                     | 0            |     |
| NPRI            | <i>National Pollutant Release Inventory</i>                          | Y               | 0                       | 0                     | 0            |     |
| OGWE            | <i>Oil and Gas Wells</i>   | Y               | 0                       | 0                     | 0            |     |
| OOGW            | <i>Ontario Oil and Gas Wells</i>                                     | Y               | 0                       | 0                     | 0            |     |
| OPCB            | <i>Inventory of PCB Storage Sites</i>                                | Y               | 0                       | 0                     | 0            |     |
| ORD             | <i>Orders</i>  | Y               | 0                       | 0                     | 0            |     |
| PAP             | <i>Canadian Pulp and Paper</i>                                       | Y               | 0                       | 0                     | 0            |     |
| PCFT            | <i>Parks Canada Fuel Storage Tanks</i>                               | Y               | 0                       | 0                     | 0            |     |
| PES             | <i>Pesticide Register</i>  | Y               | 0                       | 0                     | 0            |     |
| PINC            | <i>TSSA Pipeline Incidents</i>                                       | Y               | 0                       | 2                     | 2            |     |
| PRT             | <i>Private and Retail Fuel Storage Tanks</i>                         | Y               | 0                       | 0                     | 0            |     |
| PTTW            | <i>Permit to Take Water</i>  | Y               | 0                       | 0                     | 0            |     |
| REC             | <i>Ontario Regulation 347 Waste Receivers Summary</i>                | Y               | 0                       | 0                     | 0            |     |
| RSC             | <i>Record of Site Condition</i>                                      | Y               | 0                       | 1                     | 1            |     |
| RST             | <i>Retail Fuel Storage Tanks</i>                                     | Y               | 0                       | 0                     | 0            |     |
| SCT             | <i>Scott's Manufacturing Directory</i>                               | Y               | 0                       | 1                     | 1            |     |
| SPL             | <i>Ontario Spills</i>  | Y               | 2                       | 3                     | 5            |     |
| SRDS            | <i>Wastewater Discharger Registration Database</i>                   | Y               | 0                       | 0                     | 0            |     |
| TANK            | <i>Anderson's Storage Tanks</i>                                      | Y               | 0                       | 0                     | 0            |     |
| TCFT            | <i>Transport Canada Fuel Storage Tanks</i>                           | Y               | 0                       | 0                     | 0            |     |
| VAR             | <i>TSSA Variances for Abandonment of Underground Storage Tanks</i>   | Y               | 0                       | 0                     | 0            |     |
| WDS             | <i>Waste Disposal Sites - MOE CA Inventory</i>                       | Y               | 0                       | 0                     | 0            |     |
| WDSH            | <i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i> | Y               | 0                       | 0                     | 0            |     |
| WWIS            | <i>Water Well Information System</i>                                 | Y               | 0                       | 27                    | 27           |     |
|                 |  |                 | <b>Total:</b>           | 4                     | 124          | 128 |

## Executive Summary: Site Report Summary - Project Property

| <i>Map Key</i>    | <i>DB</i> | <i>Company/Site Name</i> | <i>Address</i>                        | <i>Dir/Dist (m)</i> | <i>Elev diff (m)</i> | <i>Page Number</i> |
|-------------------|-----------|--------------------------|---------------------------------------|---------------------|----------------------|--------------------|
| <a href="#">2</a> | SPL       | Bruce Fuels<UNOFFICIAL>  | 22 Hawthorne Ave<br>Ottawa ON K1S 0B1 | SSE/11.9            | -0.02                | <a href="#">33</a> |
| <a href="#">2</a> | INC       |                          | 22 HAWTHORNE AVE, OTTAWA<br>ON        | SSE/11.9            | -0.02                | <a href="#">33</a> |
| <a href="#">2</a> | INC       |                          | 22 HAWTHORNE AVENUE, OTTAWA<br>ON     | SSE/11.9            | -0.02                | <a href="#">34</a> |
| <a href="#">2</a> | SPL       |                          | 22 Hawthorne Avenue<br>Ottawa ON      | SSE/11.9            | -0.02                | <a href="#">35</a> |

## Executive Summary: Site Report Summary - Surrounding Properties

| <i>Map Key</i>     | <i>DB</i> | <i>Company/Site Name</i>    | <i>Address</i>   | <i>Dir/Dist (m)</i> | <i>Elev Diff (m)</i> | <i>Page Number</i> |
|--------------------|-----------|-----------------------------|--|---------------------|----------------------|--------------------|
| <a href="#">1</a>  | WWIS      |                             | ON<br><i>Well ID: 7306422</i>                                | ESE/10.5            | 0.00                 | <a href="#">36</a> |
| <a href="#">3</a>  | WWIS      |                             | lot G con C<br>ON<br><i>Well ID: 7293171</i>                 | N/14.5              | 0.00                 | <a href="#">36</a> |
| <a href="#">4</a>  | EHS       |                             | 24 Hawthorne Avenue<br>Ottawa ON                             | ENE/14.7            | -0.08                | <a href="#">39</a> |
| <a href="#">5</a>  | GEN       | CANAL CYCLES 08-587         | 19 HAWTHORNE AVE.<br>OTTAWA ON K1S 0A9                       | NW/32.4             | -1.05                | <a href="#">39</a> |
| <a href="#">5</a>  | GEN       | CANAL CYCLES                | 19 HAWTHORNE AVENUE<br>OTTAWA ON K1S 0A9                     | NW/32.4             | -1.05                | <a href="#">40</a> |
| <a href="#">6</a>  | GEN       | CAPITAL BIKE 'N BLADE       | 3 HAWTHORNE AVE.<br>OTTAWA ON K1S 0A9                        | W/45.5              | -2.41                | <a href="#">40</a> |
| <a href="#">7</a>  | GEN       | CANAL CYCLES                | 5 HAWTHORNE AVE.<br>OTTAWA ON K1S 0A9                        | W/45.6              | -2.41                | <a href="#">40</a> |
| <a href="#">7</a>  | GEN       | CYCO'S INC.                 | 5 HAWTHORNE AVENUE<br>OTTAWA ON K1S 0A9                      | W/45.6              | -2.41                | <a href="#">41</a> |
| <a href="#">8</a>  | GEN       | DR. A. CHRISTIE             | 223 ECHO DRIVE<br>OTTAWA ON K1S 1N2                          | WSW/63.0            | -1.63                | <a href="#">41</a> |
| <a href="#">9</a>  | CA        | OTTAWA CITY                 | GRAHAM AVE./ECHO DR./MAIN ST.<br>OTTAWA CITY ON              | ESE/67.4            | 0.91                 | <a href="#">41</a> |
| <a href="#">10</a> | SPL       | Parks Canada (Rideau Canal) | Colonel By Dr. & Hawthorne Ave.<br>Intersection<br>Ottawa ON | WSW/80.6            | -4.34                | <a href="#">41</a> |
| <a href="#">11</a> | WWIS      |                             | lot G con C<br>Ottawa ON                                     | WSW/83.9            | -5.19                | <a href="#">42</a> |

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|                    |           |                          | <b>Well ID: 7293173</b>                  |                     |                      |                    |
| <a href="#">12</a> | BORE      |                          | ON                                       | NE/87.3             | -1.12                | <a href="#">45</a> |
| <a href="#">13</a> | WWIS      |                          | Ottawa ON<br><b>Well ID: 7235381</b>     | E/89.9              | -0.08                | <a href="#">46</a> |
| <a href="#">13</a> | WWIS      |                          | OTTAWA ON<br><b>Well ID: 7266158</b>     | E/89.9              | -0.08                | <a href="#">49</a> |
| <a href="#">14</a> | EHS       |                          | 56 hawthorne avenue<br>Ottawa ON K1S 0B1 | ENE/96.1            | -0.05                | <a href="#">51</a> |
| <a href="#">15</a> | BORE      |                          | ON                                       | NW/104.2            | -5.17                | <a href="#">51</a> |
| <a href="#">16</a> | BORE      |                          | ON                                       | WNW/104.7           | -11.46               | <a href="#">53</a> |
| <a href="#">17</a> | BORE      |                          | ON                                       | NNW/106.2           | -4.44                | <a href="#">53</a> |
| <a href="#">18</a> | GEN       | Phat Moose Cycles Inc.   | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1   | ENE/115.9           | -0.05                | <a href="#">55</a> |
| <a href="#">18</a> | GEN       | Phat Moose Cycles Inc.   | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1   | ENE/115.9           | -0.05                | <a href="#">55</a> |
| <a href="#">18</a> | GEN       | Phat Moose Cycles Inc.   | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1   | ENE/115.9           | -0.05                | <a href="#">55</a> |
| <a href="#">18</a> | GEN       | Phat Moose Cycles Inc.   | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1   | ENE/115.9           | -0.05                | <a href="#">56</a> |
| <a href="#">18</a> | GEN       | Phat Moose Cycles Inc.   | 98 Hawthorne Ave.<br>Ottawa ON           | ENE/115.9           | -0.05                | <a href="#">56</a> |
| <a href="#">18</a> | GEN       | Phat Moose Cycles Inc.   | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1   | ENE/115.9           | -0.05                | <a href="#">56</a> |

| <i>Map Key</i>     | <i>DB</i> | <i>Company/Site Name</i>              | <i>Address</i>                         | <i>Dir/Dist (m)</i> | <i>Elev Diff (m)</i> | <i>Page Number</i> |
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| <a href="#">18</a> | GEN       | Phat Moose Cycles Inc.                | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1 | ENE/115.9           | -0.05                | <a href="#">57</a> |
| <a href="#">18</a> | GEN       | Phat Moose Cycles Inc.                | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1 | ENE/115.9           | -0.05                | <a href="#">57</a> |
| <a href="#">18</a> | GEN       | Phat Moose Cycles Inc.                | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1 | ENE/115.9           | -0.05                | <a href="#">57</a> |
| <a href="#">18</a> | GEN       | Phat Moose Cycles Inc.                | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1 | ENE/115.9           | -0.05                | <a href="#">58</a> |
| <a href="#">19</a> | BORE      |                                       | ON                                     | N/118.4             | -2.00                | <a href="#">58</a> |
| <a href="#">20</a> | EHS       |                                       | 31 Graham Ave<br>Ottawa ON K1S0B6      | E/120.9             | -0.08                | <a href="#">59</a> |
| <a href="#">21</a> | EHS       |                                       | 221 Echo Drive<br>Ottawa ON K1S 1N1    | S/123.5             | -1.36                | <a href="#">59</a> |
| <a href="#">22</a> | GEN       | Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON          | ESE/124.3           | -0.08                | <a href="#">60</a> |
| <a href="#">22</a> | GEN       | Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S0B7   | ESE/124.3           | -0.08                | <a href="#">60</a> |
| <a href="#">22</a> | GEN       | Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S0B7   | ESE/124.3           | -0.08                | <a href="#">60</a> |
| <a href="#">22</a> | GEN       | Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S0B7   | ESE/124.3           | -0.08                | <a href="#">61</a> |
| <a href="#">22</a> | GEN       | Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S0B7   | ESE/124.3           | -0.08                | <a href="#">61</a> |
| <a href="#">22</a> | GEN       | Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S0B7   | ESE/124.3           | -0.08                | <a href="#">62</a> |

| <b>Map Key</b>     | <b>DB</b> | <b>Company/Site Name</b>              | <b>Address</b>                          | <b>Dir/Dist (m)</b> | <b>Elev Diff (m)</b> | <b>Page Number</b> |
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| <a href="#">23</a> | GEN       | Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S 0B7   | ESE/124.3           | -0.08                | <a href="#">63</a> |
| <a href="#">23</a> | GEN       | Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S 0B7   | ESE/124.3           | -0.08                | <a href="#">63</a> |
| <a href="#">23</a> | GEN       | Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S 0B7   | ESE/124.3           | -0.08                | <a href="#">63</a> |
| <a href="#">23</a> | GEN       | Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S 0B7   | ESE/124.3           | -0.08                | <a href="#">64</a> |
| <a href="#">23</a> | GEN       | Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S 0B7   | ESE/124.3           | -0.08                | <a href="#">64</a> |
| <a href="#">24</a> | BORE      |                                       | ON                                      | WNW/125.0           | -11.40               | <a href="#">65</a> |
| <a href="#">25</a> | WWIS      |                                       | Ottawa ON<br><b>Well ID:</b> 7235380    | E/130.7             | -0.05                | <a href="#">66</a> |
| <a href="#">25</a> | WWIS      |                                       | OTTAWA ON<br><b>Well ID:</b> 7266159    | E/130.7             | -0.05                | <a href="#">69</a> |
| <a href="#">26</a> | ECA       | Claridge Homes (Crown Point) Inc.     | 145-165 Echo Drive<br>Ottawa ON K1M 0G6 | NNW/137.1           | -4.44                | <a href="#">71</a> |
| <a href="#">27</a> | WWIS      |                                       | Ottawa ON<br><b>Well ID:</b> 7235382    | E/139.1             | -0.05                | <a href="#">71</a> |
| <a href="#">27</a> | WWIS      |                                       | OTTAWA ON<br><b>Well ID:</b> 7266157    | E/139.1             | -0.05                | <a href="#">74</a> |
| <a href="#">28</a> | WWIS      |                                       | Ottawa ON<br><b>Well ID:</b> 7155881    | NW/140.7            | -8.08                | <a href="#">76</a> |
| <a href="#">29</a> | WWIS      |                                       | lot G con C<br>OTTAWA ON                | ENE/143.5           | -0.78                | <a href="#">79</a> |

| <b>Map Key</b>     | <b>DB</b> | <b>Company/Site Name</b> | <b>Address</b>                                      | <b>Dir/Dist (m)</b> | <b>Elev Diff (m)</b> | <b>Page Number</b>  |
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|                    |           |                          | <b>Well ID:</b> 7293162                             |                     |                      |                     |
| <a href="#">30</a> | BORE      |                          | ON  | NNE/145.1           | -2.44                | <a href="#">82</a>  |
| <a href="#">31</a> | WWIS      |                          | lot F con C<br>Ottawa ON<br><b>Well ID:</b> 7293178 | NNW/150.7           | -5.81                | <a href="#">83</a>  |
| <a href="#">32</a> | WWIS      |                          | lot F con C<br>OTTAWA ON<br><b>Well ID:</b> 7293161 | NW/156.0            | -8.39                | <a href="#">86</a>  |
| <a href="#">33</a> | WWIS      |                          | lot G con C<br>Ottawa ON<br><b>Well ID:</b> 7293174 | S/159.9             | -1.43                | <a href="#">88</a>  |
| <a href="#">34</a> | WWIS      |                          | lot F con C<br>Ottawa ON<br><b>Well ID:</b> 7293177 | NNE/160.9           | -3.81                | <a href="#">91</a>  |
| <a href="#">35</a> | BORE      |                          | ON  | NE/161.5            | -1.08                | <a href="#">94</a>  |
| <a href="#">36</a> | BORE      |                          | ON  | WNW/163.6           | -16.08               | <a href="#">96</a>  |
| <a href="#">37</a> | BORE      |                          | ON  | W/165.5             | -9.34                | <a href="#">97</a>  |
| <a href="#">38</a> | GEN       | ROGERS CLEANERS          | 98 MAIN STREET<br>STITTSVILLE ON K1S 1C2            | E/171.0             | -1.08                | <a href="#">100</a> |
| <a href="#">39</a> | WWIS      |                          | lot F con C<br>Ottawa ON<br><b>Well ID:</b> 7293176 | NNE/175.3           | -2.97                | <a href="#">101</a> |
| <a href="#">40</a> | EHS       |                          | 59 Main Street<br>ottawa ON                         | NE/180.0            | -1.08                | <a href="#">103</a> |
| <a href="#">41</a> | EHS       |                          | 65 Main St<br>Ottawa ON K1S1B5                      | ENE/180.9           | -1.08                | <a href="#">103</a> |
| <a href="#">42</a> | PINC      |                          | 83 MAIN STREET, OTTAWA<br>ON                        | E/182.9             | -1.08                | <a href="#">104</a> |

| <b>Map Key</b>     | <b>DB</b> | <b>Company/Site Name</b>    | <b>Address</b>                             | <b>Dir/Dist (m)</b> | <b>Elev Diff (m)</b> | <b>Page Number</b>  |
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| <a href="#">43</a> | BORE      |                             | ON   | W/184.8             | -9.30                | <a href="#">104</a> |
| <a href="#">44</a> | BORE      |                             | ON   | W/185.7             | -7.75                | <a href="#">105</a> |
| <a href="#">45</a> | WWIS      |                             | OTTAWA ON<br><i>Well ID: 7162756</i>       | ENE/186.2           | -1.08                | <a href="#">106</a> |
| <a href="#">46</a> | WWIS      |                             | Ottawa ON<br><i>Well ID: 7159685</i>       | ENE/192.4           | -1.08                | <a href="#">109</a> |
| <a href="#">47</a> | WWIS      |                             | OTTAWA ON<br><i>Well ID: 7162755</i>       | ENE/192.4           | -1.08                | <a href="#">112</a> |
| <a href="#">48</a> | SCT       | T-Base Communications Inc.  | 50 Main St<br>Ottawa ON K1S 1B2            | NNE/192.7           | -3.03                | <a href="#">114</a> |
| <a href="#">49</a> | WWIS      |                             | Ottawa ON<br><i>Well ID: 7155882</i>       | NNW/193.1           | -7.36                | <a href="#">115</a> |
| <a href="#">50</a> | GEN       | Main Cleaners Inc.          | 89 main Street<br>Ottawa ON                | E/198.3             | -1.04                | <a href="#">118</a> |
| <a href="#">50</a> | GEN       | Ali Gharibi                 | 89 main Street<br>Ottawa ON K1S 1B7        | E/198.3             | -1.04                | <a href="#">118</a> |
| <a href="#">50</a> | GEN       | Ali Gharibi                 | 89 main Street<br>Ottawa ON K1S 1B7        | E/198.3             | -1.04                | <a href="#">118</a> |
| <a href="#">50</a> | GEN       | Main Cleaners Inc.          | 89 main Street<br>Ottawa ON K1S 1B7        | E/198.3             | -1.04                | <a href="#">118</a> |
| <a href="#">50</a> | CDRY      | Main Cleaners               | 89 Main St.<br>Ottawa ON K1S1B7            | E/198.3             | -1.04                | <a href="#">119</a> |
| <a href="#">51</a> | ECA       | Limestone Developments Ltd. | 40 and 44 Main Street<br>Ottawa ON K1Z 1A7 | NNE/198.4           | -4.08                | <a href="#">121</a> |



| <b>Map Key</b>     | <b>DB</b> | <b>Company/Site Name</b>           | <b>Address</b>  | <b>Dir/Dist (m)</b> | <b>Elev Diff (m)</b> | <b>Page Number</b>  |
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| <a href="#">51</a> | ECA       | Limestone Developments Ltd.        | 40 and 44 Main Street<br>Ottawa ON K1Z 1A7                                  | NNE/198.4           | -4.08                | <a href="#">121</a> |
| <a href="#">52</a> | BORE      |                                    | ON  | NE/198.5            | -1.08                | <a href="#">121</a> |
| <a href="#">53</a> | GEN       | MAIN CLEANERS                      | 89 MAIN STREET<br>OTTAWA ON K1S 1B8   | E/198.9             | -1.04                | <a href="#">123</a> |
| <a href="#">53</a> | GEN       | MAIN CLEANERS                      | 89 MAIN STREET<br>OTTAWA ON K1S 1B7   | E/198.9             | -1.04                | <a href="#">123</a> |
| <a href="#">53</a> | GEN       | MAIN CLEANERS                      | 89 MAIN STREET<br>OTTAWA ON K1S 1B7   | E/198.9             | -1.04                | <a href="#">123</a> |
| <a href="#">54</a> | BORE      |                                    | ON  | NNE/201.6           | -4.08                | <a href="#">124</a> |
| <a href="#">55</a> | WWIS      |                                    | OTTAWA ON<br><b>Well ID:</b> 7162753  | ENE/204.2           | -1.08                | <a href="#">126</a> |
| <a href="#">56</a> | WWIS      |                                    | OTTAWA ON<br><b>Well ID:</b> 7162754  | ENE/204.8           | -1.08                | <a href="#">129</a> |
| <a href="#">57</a> | RSC       |                                    | 145-159 Echo Drive, 163-165 Echo Drive,<br>23-25 Harvey Street<br>Ottawa ON | N/205.9             | -7.08                | <a href="#">131</a> |
| <a href="#">58</a> | WWIS      |                                    | Ottawa ON<br><b>Well ID:</b> 7159669  | NE/206.6            | -1.08                | <a href="#">132</a> |
| <a href="#">59</a> | WWIS      |                                    | Ottawa ON<br><b>Well ID:</b> 7159668  | NE/209.5            | -1.08                | <a href="#">134</a> |
| <a href="#">60</a> | WWIS      |                                    | Ottawa ON<br><b>Well ID:</b> 7159670  | NE/209.5            | -1.08                | <a href="#">137</a> |
| <a href="#">61</a> | ECA       | Sherbrooke Urban Developments Ltd. | 103 Main Street, 43 to 55 Evelyn Avenue<br>Ottawa ON K2H 7E9                | ESE/213.0           | -1.29                | <a href="#">139</a> |

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| <a href="#">62</a> | WWIS      |                                    | Ottawa ON<br><i>Well ID: 7225387</i>   | NE/215.6            | -1.08                | <a href="#">139</a> |
| <a href="#">63</a> | CA        | Sherbrooke Urban Developments Ltd. | 103 Main Street, 43 to 55 Evelyn Avenue<br>Ottawa ON                           | E/218.7             | -2.01                | <a href="#">141</a> |
| <a href="#">64</a> | CA        | 155 Echo on the Canal              | 145-165 Echo Drive<br>Ottawa ON K1S 1M9  | N/220.6             | -6.86                | <a href="#">142</a> |
| <a href="#">65</a> | CA        |                                    | 40 and 44 Main Street<br>Ottawa ON   | NNE/225.0           | -3.01                | <a href="#">142</a> |
| <a href="#">65</a> | CA        |                                    | 40 and 44 Main Street<br>Ottawa ON   | NNE/225.0           | -3.01                | <a href="#">142</a> |
| <a href="#">66</a> | BORE      |                                    | ON   | NW/226.1            | -17.15               | <a href="#">142</a> |
| <a href="#">67</a> | BORE      |                                    | ON   | W/226.6             | -7.14                | <a href="#">144</a> |
| <a href="#">68</a> | BORE      |                                    | ON   | SE/228.1            | -1.08                | <a href="#">145</a> |
| <a href="#">69</a> | BORE      |                                    | ON   | N/228.5             | -7.39                | <a href="#">147</a> |
| <a href="#">70</a> | EHS       |                                    | 143 and 145 Echo Drive<br>Ottawa ON  | N/228.8             | -6.86                | <a href="#">149</a> |
| <a href="#">71</a> | GEN       | Siddiqur Rahman                    | 44 Lees Avenue<br>Ottawa ON K1S 0B9  | E/229.8             | -2.08                | <a href="#">149</a> |
| <a href="#">72</a> | PINC      |                                    | 47 LEES AVE, OTTAWA<br>ON  | ENE/236.3           | -1.30                | <a href="#">150</a> |
| <a href="#">73</a> | SPL       | DRAIN-ALL LTD.                     | INTERSECTION OF ISABELLA AND<br>ELGIN TANK TRUCK (CARGO)<br>GLOUCESTER CITY ON | W/236.5             | -6.53                | <a href="#">150</a> |

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| <a href="#">74</a> | BORE      |                               | ON  | W/237.0             | -2.49                | <a href="#">151</a> |
| <a href="#">75</a> | ECA       | City of Ottawa                | Elgin St Isabella Street<br>Ottawa ON K2G 6J8     | W/239.0             | -6.53                | <a href="#">152</a> |
| <a href="#">76</a> | GEN       | LEVINSON-VINER IN TRUST       | 150 QUEEN ELIZABETH DRIVEWAY<br>OTTAWA ON K2P 1E7 | WNW/240.3           | -1.52                | <a href="#">153</a> |
| <a href="#">76</a> | GEN       | CLV Group                     | 150 Queen Elizabeth Driveway<br>Ottawa ON K2P 1E7 | WNW/240.3           | -1.52                | <a href="#">153</a> |
| <a href="#">76</a> | GEN       | Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON K2P 1E7      | WNW/240.3           | -1.52                | <a href="#">153</a> |
| <a href="#">76</a> | GEN       | Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON K2P 1E7      | WNW/240.3           | -1.52                | <a href="#">153</a> |
| <a href="#">76</a> | GEN       | Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON K2P 1E7      | WNW/240.3           | -1.52                | <a href="#">154</a> |
| <a href="#">76</a> | GEN       | Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON K2P 1E7      | WNW/240.3           | -1.52                | <a href="#">154</a> |
| <a href="#">76</a> | GEN       | Paramount Properties          | 150 Queen Elizabeth Drive<br>Ottawa ON            | WNW/240.3           | -1.52                | <a href="#">154</a> |
| <a href="#">76</a> | GEN       | Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON              | WNW/240.3           | -1.52                | <a href="#">155</a> |
| <a href="#">76</a> | GEN       | Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON K1B 5M1      | WNW/240.3           | -1.52                | <a href="#">155</a> |
| <a href="#">76</a> | GEN       | Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON K1B 5M1      | WNW/240.3           | -1.52                | <a href="#">155</a> |
| <a href="#">76</a> | GEN       | Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON K1B 5M1      | WNW/240.3           | -1.52                | <a href="#">155</a> |

| <b>Map Key</b>     | <b>DB</b> | <b>Company/Site Name</b>                 | <b>Address</b>  | <b>Dir/Dist (m)</b> | <b>Elev Diff (m)</b> | <b>Page Number</b>  |
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| <a href="#">76</a> | GEN       | Paramount Properties                     | 150 Queen Elizabeth Drive<br>Ottawa ON K2P 1E7              | WNW/240.3           | -1.52                | <a href="#">156</a> |
| <a href="#">76</a> | GEN       | Paramount Property Management            | 150 Queen Elizabeth Dr.<br>Ottawa ON K1B 5M1                | WNW/240.3           | -1.52                | <a href="#">156</a> |
| <a href="#">76</a> | GEN       | Paramount Property Management            | 150 Queen Elizabeth Dr.<br>Ottawa ON K1B 5M1                | WNW/240.3           | -1.52                | <a href="#">156</a> |
| <a href="#">77</a> | GEN       | Rene Goulard                             | 135 Echo Drive<br>Ottawa ON K1S1M9                          | N/243.6             | -6.34                | <a href="#">157</a> |
| <a href="#">78</a> | SPL       | OTTAWA HYDRO                             | QUEEN ELISABETH & CARTIER.<br>TRANSFORMER<br>OTTAWA CITY ON | NW/244.0            | -7.08                | <a href="#">157</a> |
| <a href="#">79</a> | WWIS      |  | ON<br><b>Well ID:</b> 7313148                               | N/245.6             | -6.34                | <a href="#">157</a> |
| <a href="#">80</a> | CA        | THE OTTAWA BOARD OF EDUCATION-PT.LTS.5-8 | EVELYN AVE./MAIN ST.<br>OTTAWA CITY ON                      | ESE/248.4           | -2.17                | <a href="#">158</a> |
| <a href="#">81</a> | BORE      |  | ON  | NE/248.5            | -1.05                | <a href="#">158</a> |

# Executive Summary: Summary By Data Source

## **BORE - Borehole**

A search of the BORE database, dated 1875-Jul 2018 has found that there are 20 BORE site(s) within approximately 0.25 kilometers of the project property.

| <b><u>Lower Elevation</u></b> | <b><u>Address</u></b> | <b><u>Direction</u></b> | <b><u>Distance (m)</u></b> | <b><u>Map Key</u></b>     |
|-------------------------------|-----------------------|-------------------------|----------------------------|---------------------------|
|                               | ON                    | NE                      | 87.33                      | <a href="#"><u>12</u></a> |
|                               | ON                    | NW                      | 104.23                     | <a href="#"><u>15</u></a> |
|                               | ON                    | WNW                     | 104.72                     | <a href="#"><u>16</u></a> |
|                               | ON                    | NNW                     | 106.21                     | <a href="#"><u>17</u></a> |
|                               | ON                    | N                       | 118.38                     | <a href="#"><u>19</u></a> |
|                               | ON                    | WNW                     | 125.02                     | <a href="#"><u>24</u></a> |
|                               | ON                    | NNE                     | 145.09                     | <a href="#"><u>30</u></a> |
|                               | ON                    | NE                      | 161.46                     | <a href="#"><u>35</u></a> |
|                               | ON                    | WNW                     | 163.57                     | <a href="#"><u>36</u></a> |
|                               | ON                    | W                       | 165.51                     | <a href="#"><u>37</u></a> |

|    |     |        |                    |
|----|-----|--------|--------------------|
| ON | W   | 184.77 | <a href="#">43</a> |
| ON | W   | 185.69 | <a href="#">44</a> |
| ON | NE  | 198.48 | <a href="#">52</a> |
| ON | NNE | 201.60 | <a href="#">54</a> |
| ON | NW  | 226.12 | <a href="#">66</a> |
| ON | W   | 226.58 | <a href="#">67</a> |
| ON | SE  | 228.10 | <a href="#">68</a> |
| ON | N   | 228.50 | <a href="#">69</a> |
| ON | W   | 237.00 | <a href="#">74</a> |
| ON | NE  | 248.54 | <a href="#">81</a> |

### **CA - Certificates of Approval**

A search of the CA database, dated 1985-Oct 30, 2011\* has found that there are 6 CA site(s) within approximately 0.25 kilometers of the project property.

| <u>Equal/Higher Elevation</u>            | <u>Address</u>                                       | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u>     |
|--|--|------------------|---------------------|--------------------|
| OTTAWA CITY                              | GRAHAM AVE./ECHO DR./MAIN ST.<br>OTTAWA CITY ON      | ESE              | 67.39               | <a href="#">9</a>  |
| <br>                                     |  |                  |                     |                    |
| <u>Lower Elevation</u>                   | <u>Address</u>                                       | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u>     |
| Sherbrooke Urban Developments Ltd.       | 103 Main Street, 43 to 55 Evelyn Avenue<br>Ottawa ON | E                | 218.66              | <a href="#">63</a> |
| 155 Echo on the Canal                    | 145-165 Echo Drive<br>Ottawa ON K1S 1M9              | N                | 220.59              | <a href="#">64</a> |
|  | 40 and 44 Main Street<br>Ottawa ON                   | NNE              | 224.96              | <a href="#">65</a> |
|  | 40 and 44 Main Street<br>Ottawa ON                   | NNE              | 224.96              | <a href="#">65</a> |
| THE OTTAWA BOARD OF EDUCATION-PT.LTS.5-8 | EVELYN AVE./MAIN ST.<br>OTTAWA CITY ON               | ESE              | 248.44              | <a href="#">80</a> |

### **CDRY - Dry Cleaning Facilities**

A search of the CDRY database, dated Jan 2004-Dec 2017 has found that there are 1 CDRY site(s) within approximately 0.25 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u>                  | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u>     |
|------------------------|---------------------------------|------------------|---------------------|--------------------|
| Main Cleaners          | 89 Main St.<br>Ottawa ON K1S1B7 | E                | 198.29              | <a href="#">50</a> |

### **ECA - Environmental Compliance Approval**

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

| <u>Lower Elevation</u>            | <u>Address</u>                          | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u>     |
|-----------------------------------|---|------------------|---------------------|--------------------|
| Claridge Homes (Crown Point) Inc. | 145-165 Echo Drive<br>Ottawa ON K1M 0G6 | NNW              | 137.06              | <a href="#">26</a> |

|                                    |  |     |        |                    |
|------------------------------------|--|-----|--------|--------------------|
| Limestone Developments Ltd.        | 40 and 44 Main Street<br>Ottawa ON K1Z 1A7                   | NNE | 198.42 | <a href="#">51</a> |
| Limestone Developments Ltd.        | 40 and 44 Main Street<br>Ottawa ON K1Z 1A7                   | NNE | 198.42 | <a href="#">51</a> |
| Sherbrooke Urban Developments Ltd. | 103 Main Street, 43 to 55 Evelyn Avenue<br>Ottawa ON K2H 7E9 | ESE | 213.01 | <a href="#">61</a> |
| City of Ottawa                     | Elgin St Isabella Street<br>Ottawa ON K2G 6J8                | W   | 239.03 | <a href="#">75</a> |

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

A search of the EHS database, dated 1999-Apr 30, 2019 has found that there are 7 EHS site(s) within approximately 0.25 kilometers of the project property.

| <b><u>Lower Elevation</u></b> | <b><u>Address</u></b>                    | <b><u>Direction</u></b> | <b><u>Distance (m)</u></b> | <b><u>Map Key</u></b> |
|-------------------------------|--|-------------------------|----------------------------|-----------------------|
|                               | 24 Hawthorne Avenue<br>Ottawa ON         | ENE                     | 14.66                      | <a href="#">4</a>     |
|                               | 56 hawthorne avenue<br>Ottawa ON K1S 0B1 | ENE                     | 96.11                      | <a href="#">14</a>    |
|                               | 31 Graham Ave<br>Ottawa ON K1S0B6        | E                       | 120.89                     | <a href="#">20</a>    |
|                               | 221 Echo Drive<br>Ottawa ON K1S 1N1      | S                       | 123.55                     | <a href="#">21</a>    |
|                               | 59 Main Street<br>ottawa ON              | NE                      | 179.97                     | <a href="#">40</a>    |
|                               | 65 Main St<br>Ottawa ON K1S1B5           | ENE                     | 180.88                     | <a href="#">41</a>    |
|                               | 143 and 145 Echo Drive<br>Ottawa ON      | N                       | 228.81                     | <a href="#">70</a>    |



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

A search of the GEN database, dated 1986-Mar 31, 2019 has found that there are 51 GEN site(s) within approximately 0.25 kilometers of the project property.

| <b><u>Lower Elevation</u></b> | <b><u>Address</u></b>                    | <b><u>Direction</u></b> | <b><u>Distance (m)</u></b> | <b><u>Map Key</u></b>     |
|-------------------------------|--|-------------------------|----------------------------|---------------------------|
| CANAL CYCLES 08-587           | 19 HAWTHORNE AVE.<br>OTTAWA ON K1S 0A9   | NW                      | 32.36                      | <a href="#"><u>5</u></a>  |
| CANAL CYCLES                  | 19 HAWTHORNE AVENUE<br>OTTAWA ON K1S 0A9 | NW                      | 32.36                      | <a href="#"><u>5</u></a>  |
| CAPITAL BIKE 'N BLADE         | 3 HAWTHORNE AVE.<br>OTTAWA ON K1S 0A9    | W                       | 45.46                      | <a href="#"><u>6</u></a>  |
| CANAL CYCLES                  | 5 HAWTHORNE AVE.<br>OTTAWA ON K1S 0A9    | W                       | 45.63                      | <a href="#"><u>7</u></a>  |
| CYCO'S INC.                   | 5 HAWTHORNE AVENUE<br>OTTAWA ON K1S 0A9  | W                       | 45.63                      | <a href="#"><u>7</u></a>  |
| DR. A. CHRISTIE               | 223 ECHO DRIVE<br>OTTAWA ON K1S 1N2      | WSW                     | 63.01                      | <a href="#"><u>8</u></a>  |
| Phat Moose Cycles Inc.        | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1   | ENE                     | 115.94                     | <a href="#"><u>18</u></a> |
| Phat Moose Cycles Inc.        | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1   | ENE                     | 115.94                     | <a href="#"><u>18</u></a> |
| Phat Moose Cycles Inc.        | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1   | ENE                     | 115.94                     | <a href="#"><u>18</u></a> |
| Phat Moose Cycles Inc.        | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1   | ENE                     | 115.94                     | <a href="#"><u>18</u></a> |

|                                       |  |     |        |                           |
|---------------------------------------|--|-----|--------|---------------------------|
| Phat Moose Cycles Inc.                | 98 Hawthorne Ave.<br>Ottawa ON         | ENE | 115.94 | <a href="#"><u>18</u></a> |
| Phat Moose Cycles Inc.                | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1 | ENE | 115.94 | <a href="#"><u>18</u></a> |
| Phat Moose Cycles Inc.                | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1 | ENE | 115.94 | <a href="#"><u>18</u></a> |
| Phat Moose Cycles Inc.                | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1 | ENE | 115.94 | <a href="#"><u>18</u></a> |
| Phat Moose Cycles Inc.                | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1 | ENE | 115.94 | <a href="#"><u>18</u></a> |
| Phat Moose Cycles Inc.                | 98 Hawthorne Ave.<br>Ottawa ON K1S 0B1 | ENE | 115.94 | <a href="#"><u>18</u></a> |
| Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON          | ESE | 124.32 | <a href="#"><u>22</u></a> |
| Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S0B7   | ESE | 124.32 | <a href="#"><u>22</u></a> |
| Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S0B7   | ESE | 124.32 | <a href="#"><u>22</u></a> |
| Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S0B7   | ESE | 124.32 | <a href="#"><u>22</u></a> |
| Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S0B7   | ESE | 124.32 | <a href="#"><u>22</u></a> |
| Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S0B7   | ESE | 124.32 | <a href="#"><u>22</u></a> |
| Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S 0B7  | ESE | 124.35 | <a href="#"><u>23</u></a> |

|                                       |  |     |        |                    |
|---------------------------------------|--|-----|--------|--------------------|
| Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S 0B7    | ESE | 124.35 | <a href="#">23</a> |
| Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S 0B7    | ESE | 124.35 | <a href="#">23</a> |
| Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S 0B7    | ESE | 124.35 | <a href="#">23</a> |
| Ottawa Catholic District School Board | 20 Graham Street<br>Ottawa ON K1S 0B7    | ESE | 124.35 | <a href="#">23</a> |
| ROGERS CLEANERS                       | 98 MAIN STREET<br>STITTSVILLE ON K1S 1C2 | E   | 170.97 | <a href="#">38</a> |
| Main Cleaners Inc.                    | 89 main Street<br>Ottawa ON              | E   | 198.29 | <a href="#">50</a> |
| Ali Gharibi                           | 89 main Street<br>Ottawa ON K1S 1B7      | E   | 198.29 | <a href="#">50</a> |
| Ali Gharibi                           | 89 main Street<br>Ottawa ON K1S 1B7      | E   | 198.29 | <a href="#">50</a> |
| Main Cleaners Inc.                    | 89 main Street<br>Ottawa ON K1S 1B7      | E   | 198.29 | <a href="#">50</a> |
| MAIN CLEANERS                         | 89 MAIN STREET<br>OTTAWA ON K1S 1B8      | E   | 198.92 | <a href="#">53</a> |
| MAIN CLEANERS                         | 89 MAIN STREET<br>OTTAWA ON K1S 1B7      | E   | 198.92 | <a href="#">53</a> |
| MAIN CLEANERS                         | 89 MAIN STREET<br>OTTAWA ON K1S 1B7      | E   | 198.92 | <a href="#">53</a> |

|                               |   |     |        |                    |
|-------------------------------|---|-----|--------|--------------------|
| Siddiqur Rahman               | 44 Lees Avenue<br>Ottawa ON K1S 0B9               | E   | 229.77 | <a href="#">71</a> |
| LEVINSON-VINER IN TRUST       | 150 QUEEN ELIZABETH DRIVEWAY<br>OTTAWA ON K2P 1E7 | WNW | 240.29 | <a href="#">76</a> |
| CLV Group                     | 150 Queen Elizabeth Driveway<br>Ottawa ON K2P 1E7 | WNW | 240.29 | <a href="#">76</a> |
| Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON K2P 1E7      | WNW | 240.29 | <a href="#">76</a> |
| Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON K2P 1E7      | WNW | 240.29 | <a href="#">76</a> |
| Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON K2P 1E7      | WNW | 240.29 | <a href="#">76</a> |
| Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON K2P 1E7      | WNW | 240.29 | <a href="#">76</a> |
| Paramount Properties          | 150 Queen Elizabeth Drive<br>Ottawa ON            | WNW | 240.29 | <a href="#">76</a> |
| Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON              | WNW | 240.29 | <a href="#">76</a> |
| Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON K1B 5M1      | WNW | 240.29 | <a href="#">76</a> |
| Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON K1B 5M1      | WNW | 240.29 | <a href="#">76</a> |
| Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON K1B 5M1      | WNW | 240.29 | <a href="#">76</a> |
| Paramount Properties          | 150 Queen Elizabeth Drive<br>Ottawa ON K2P 1E7    | WNW | 240.29 | <a href="#">76</a> |

|                               |  |     |        |                    |
|-------------------------------|--|-----|--------|--------------------|
| Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON K1B 5M1 | WNW | 240.29 | <a href="#">76</a> |
| Paramount Property Management | 150 Queen Elizabeth Dr.<br>Ottawa ON K1B 5M1 | WNW | 240.29 | <a href="#">76</a> |
| Rene Goulard                  | 135 Echo Drive<br>Ottawa ON K1S1M9           | N   | 243.65 | <a href="#">77</a> |

### **INC - TSSA Incidents**

A search of the INC database, dated Feb 28, 2017 has found that there are 2 INC site(s) within approximately 0.25 kilometers of the project property.

| <b><u>Lower Elevation</u></b> | <b><u>Address</u></b>             | <b><u>Direction</u></b> | <b><u>Distance (m)</u></b> | <b><u>Map Key</u></b> |
|-------------------------------|-----------------------------------|-------------------------|----------------------------|-----------------------|
|                               | 22 HAWTHORNE AVENUE, OTTAWA<br>ON | SSE                     | 11.89                      | <a href="#">2</a>     |
|                               | 22 HAWTHORNE AVE, OTTAWA<br>ON    | SSE                     | 11.89                      | <a href="#">2</a>     |

### **PINC - TSSA Pipeline Incidents**

A search of the PINC database, dated Feb 28, 2017 has found that there are 2 PINC site(s) within approximately 0.25 kilometers of the project property.

| <b><u>Lower Elevation</u></b> | <b><u>Address</u></b>        | <b><u>Direction</u></b> | <b><u>Distance (m)</u></b> | <b><u>Map Key</u></b> |
|-------------------------------|------------------------------|-------------------------|----------------------------|-----------------------|
|                               | 83 MAIN STREET, OTTAWA<br>ON | E                       | 182.87                     | <a href="#">42</a>    |
|                               | 47 LEES AVE, OTTAWA<br>ON    | ENE                     | 236.34                     | <a href="#">72</a>    |

### **RSC - Record of Site Condition**

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-May 2019 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

| <b><u>Lower Elevation</u></b> | <b><u>Address</u></b> | <b><u>Direction</u></b> | <b><u>Distance (m)</u></b> | <b><u>Map Key</u></b> |
|-------------------------------|-----------------------|-------------------------|----------------------------|-----------------------|
|-------------------------------|-----------------------|-------------------------|----------------------------|-----------------------|

|  |   |        |                    |
|--|---|--------|--------------------|
| 145-159 Echo Drive, 163-165 Echo Drive, 23-25 Harvey Street<br>Ottawa ON | N | 205.94 | <a href="#">57</a> |
|--|---|--------|--------------------|

### **SCT - Scott's Manufacturing Directory**

A search of the SCT database, dated 1992-Mar 2011\* has found that there are 1 SCT site(s) within approximately 0.25 kilometers of the project property.

| <b><u>Lower Elevation</u></b> | <b><u>Address</u></b>           | <b><u>Direction</u></b> | <b><u>Distance (m)</u></b> | <b><u>Map Key</u></b> |
|-------------------------------|---------------------------------|-------------------------|----------------------------|-----------------------|
| T-Base Communications Inc.    | 50 Main St<br>Ottawa ON K1S 1B2 | NNE                     | 192.75                     | <a href="#">48</a>    |

### **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Feb 2019 has found that there are 5 SPL site(s) within approximately 0.25 kilometers of the project property.

| <b><u>Lower Elevation</u></b> | <b><u>Address</u></b>  | <b><u>Direction</u></b> | <b><u>Distance (m)</u></b> | <b><u>Map Key</u></b> |
|-------------------------------|--|-------------------------|----------------------------|-----------------------|
|                               | 22 Hawthorne Avenue<br>Ottawa ON   | SSE                     | 11.89                      | <a href="#">2</a>     |
| Bruce Fuels<UNOFFICIAL>       | 22 Hawthorne Ave<br>Ottawa ON K1S 0B1  | SSE                     | 11.89                      | <a href="#">2</a>     |
| Parks Canada (Rideau Canal)   | Colonel By Dr. & Hawthorne Ave.<br>Intersection<br>Ottawa ON                   | WSW                     | 80.62                      | <a href="#">10</a>    |
| DRAIN-ALL LTD.                | INTERSECTION OF ISABELLA AND<br>ELGIN TANK TRUCK (CARGO)<br>GLOUCESTER CITY ON | W                       | 236.49                     | <a href="#">73</a>    |
| OTTAWA HYDRO                  | QUEEN ELISABETH & CARTIER.<br>TRANSFORMER<br>OTTAWA CITY ON                    | NW                      | 244.00                     | <a href="#">78</a>    |

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

A search of the WWIS database, dated Feb 28, 2019 has found that there are 27 WWIS site(s) within approximately 0.25 kilometers of the project property.

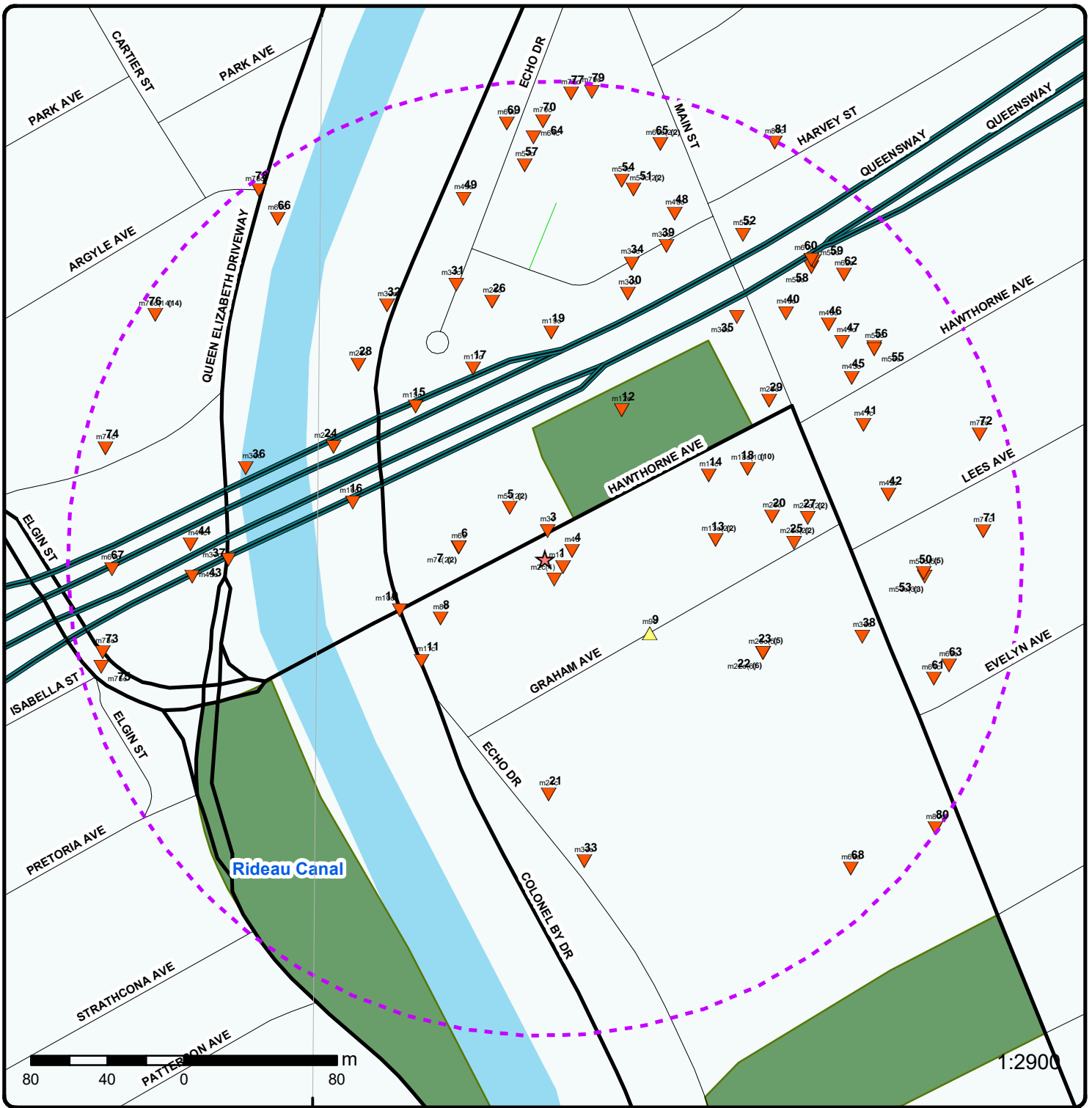
| <b><u>Equal/Higher Elevation</u></b> | <b><u>Address</u></b> | <b><u>Direction</u></b> | <b><u>Distance (m)</u></b> | <b><u>Map Key</u></b> |
|--------------------------------------|-----------------------|-------------------------|----------------------------|-----------------------|
|                                      | ON                    | ESE                     | 10.53                      | <a href="#">1</a>     |

| <u>Equal/Higher Elevation</u> | <u>Address</u>           | <u>Direction</u>     | <u>Distance (m)</u>     | <u>Map Key</u>            |
|-------------------------------|--------------------------|----------------------|-------------------------|---------------------------|
|                               | <i>Well ID:</i> 7306422  |                      |                         |                           |
|                               | lot G con C<br>ON        | N                    | 14.45                   | <a href="#"><u>3</u></a>  |
|                               | <i>Well ID:</i> 7293171  |                      |                         |                           |
| <br><u>Lower Elevation</u>    | <br><u>Address</u>       | <br><u>Direction</u> | <br><u>Distance (m)</u> | <br><u>Map Key</u>        |
|                               | lot G con C<br>Ottawa ON | WSW                  | 83.91                   | <a href="#"><u>11</u></a> |
|                               | <i>Well ID:</i> 7293173  |                      |                         |                           |
|                               | Ottawa ON                | E                    | 89.95                   | <a href="#"><u>13</u></a> |
|                               | <i>Well ID:</i> 7235381  |                      |                         |                           |
|                               | OTTAWA ON                | E                    | 89.95                   | <a href="#"><u>13</u></a> |
|                               | <i>Well ID:</i> 7266158  |                      |                         |                           |
|                               | Ottawa ON                | E                    | 130.73                  | <a href="#"><u>25</u></a> |
|                               | <i>Well ID:</i> 7235380  |                      |                         |                           |
|                               | OTTAWA ON                | E                    | 130.73                  | <a href="#"><u>25</u></a> |
|                               | <i>Well ID:</i> 7266159  |                      |                         |                           |
|                               | Ottawa ON                | E                    | 139.11                  | <a href="#"><u>27</u></a> |
|                               | <i>Well ID:</i> 7235382  |                      |                         |                           |
|                               | OTTAWA ON                | E                    | 139.11                  | <a href="#"><u>27</u></a> |
|                               | <i>Well ID:</i> 7266157  |                      |                         |                           |
|                               | Ottawa ON                | NW                   | 140.68                  | <a href="#"><u>28</u></a> |
|                               | <i>Well ID:</i> 7155881  |                      |                         |                           |
|                               | lot G con C<br>OTTAWA ON | ENE                  | 143.47                  | <a href="#"><u>29</u></a> |
|                               | <i>Well ID:</i> 7293162  |                      |                         |                           |
|                               | lot F con C<br>Ottawa ON | NNW                  | 150.74                  | <a href="#"><u>31</u></a> |

|                          |     |        |                           |
|--------------------------|-----|--------|---------------------------|
| <b>Well ID:</b> 7293178  |     |        |                           |
| lot F con C<br>OTTAWA ON | NW  | 156.00 | <a href="#"><u>32</u></a> |
| <b>Well ID:</b> 7293161  |     |        |                           |
| lot G con C<br>Ottawa ON | S   | 159.93 | <a href="#"><u>33</u></a> |
| <b>Well ID:</b> 7293174  |     |        |                           |
| lot F con C<br>Ottawa ON | NNE | 160.93 | <a href="#"><u>34</u></a> |
| <b>Well ID:</b> 7293177  |     |        |                           |
| lot F con C<br>Ottawa ON | NNE | 175.27 | <a href="#"><u>39</u></a> |
| <b>Well ID:</b> 7293176  |     |        |                           |
| OTTAWA ON                | ENE | 186.16 | <a href="#"><u>45</u></a> |
| <b>Well ID:</b> 7162756  |     |        |                           |
| Ottawa ON                | ENE | 192.40 | <a href="#"><u>46</u></a> |
| <b>Well ID:</b> 7159685  |     |        |                           |
| OTTAWA ON                | ENE | 192.41 | <a href="#"><u>47</u></a> |
| <b>Well ID:</b> 7162755  |     |        |                           |
| Ottawa ON                | NNW | 193.12 | <a href="#"><u>49</u></a> |
| <b>Well ID:</b> 7155882  |     |        |                           |
| OTTAWA ON                | ENE | 204.22 | <a href="#"><u>55</u></a> |
| <b>Well ID:</b> 7162753  |     |        |                           |
| OTTAWA ON                | ENE | 204.76 | <a href="#"><u>56</u></a> |
| <b>Well ID:</b> 7162754  |     |        |                           |
| Ottawa ON                | NE  | 206.56 | <a href="#"><u>58</u></a> |
| <b>Well ID:</b> 7159669  |     |        |                           |
| Ottawa ON                | NE  | 209.46 | <a href="#"><u>59</u></a> |
| <b>Well ID:</b> 7159668  |     |        |                           |



|                                      |    |        |                           |
|--------------------------------------|----|--------|---------------------------|
| Ottawa ON<br><i>Well ID:</i> 7159670 | NE | 209.53 | <a href="#"><u>60</u></a> |
| Ottawa ON<br><i>Well ID:</i> 7225387 | NE | 215.63 | <a href="#"><u>62</u></a> |
| ON<br><i>Well ID:</i> 7313148        | N  | 245.60 | <a href="#"><u>79</u></a> |



### Map : 0.25 Kilometer Radius

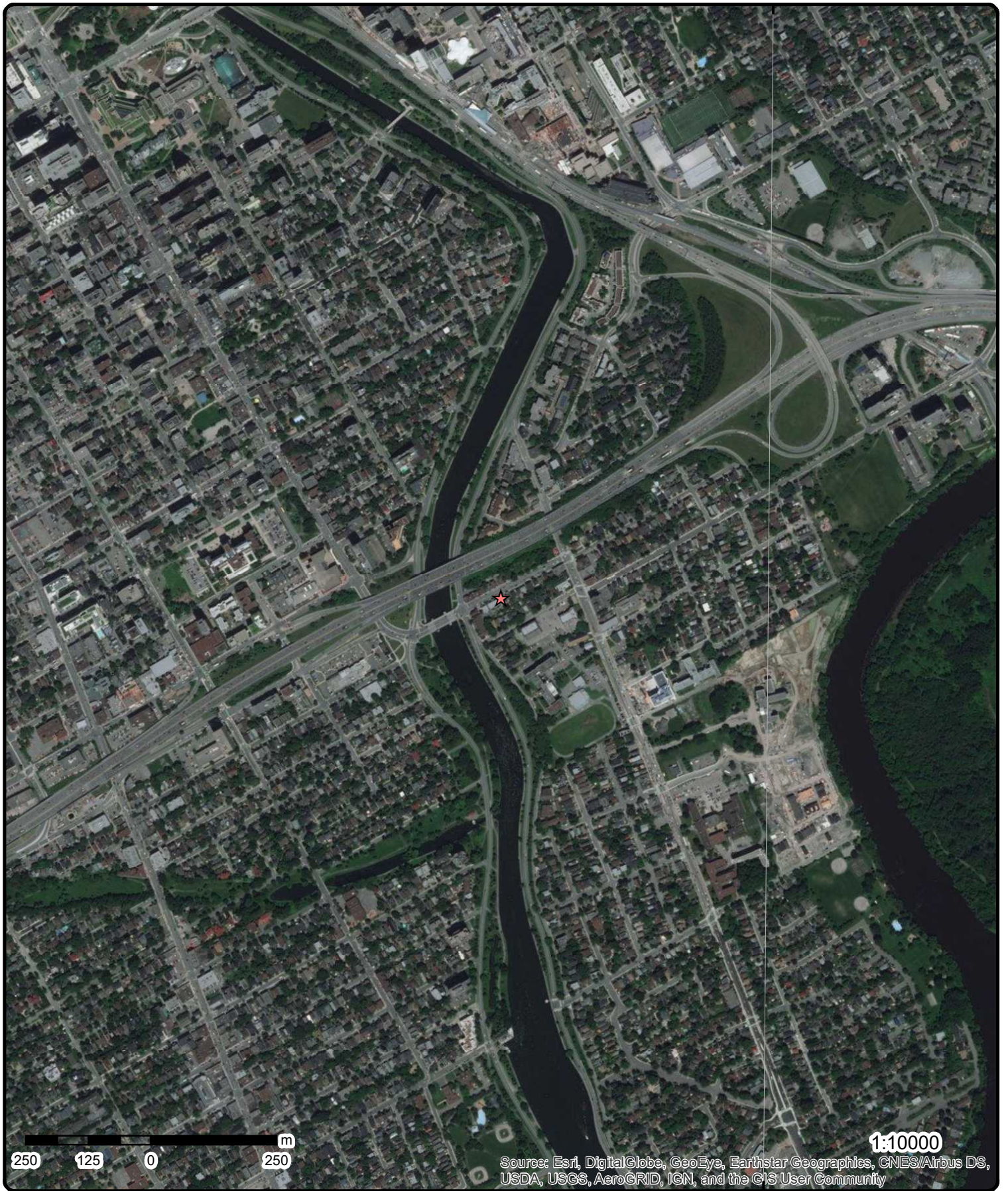
Order Number: 20190724153

Address: 22 Hawthorne Avenue, ON



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





**Aerial** Year: 2017

**Address: 22 Hawthorne Avenue, ON**

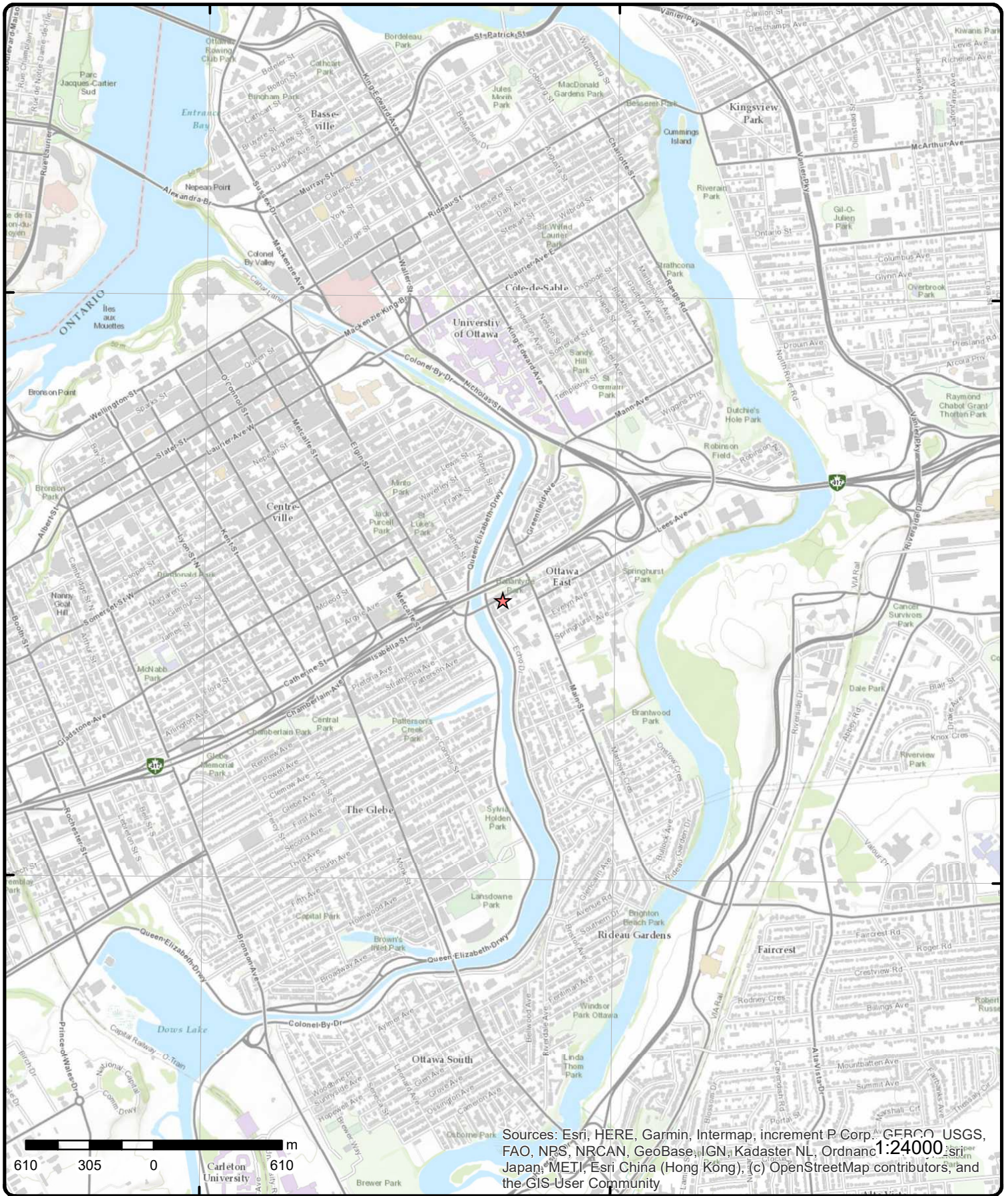
Source: ESRI World Imagery

Order Number: 20190724153



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# Topographic Map

Address: 22 Hawthorne Avenue, ON

Source: ESRI World Topographic Map

Order Number: 20190724153



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# Detail Report

| Map Key  | Number of Records | Direction/ Distance (m)  | Elev/Diff (m) | Site   | DB  |
|--|-------------------|--|---------------|--|-----|
| <a href="#">2</a>  | 1 of 4            | SSE/11.9   | 70.9 / -0.02  | Bruce Fuels<UNOFFICIAL><br>22 Hawthorne Ave<br>Ottawa ON K1S 0B1 | SPL |
| <b>Ref No:</b> 4827-AG8QNH<br><b>Site No:</b> NA<br><b>Incident Dt:</b> 2016/11/18<br><b>Year:</b><br><b>Incident Cause:</b><br><b>Incident Event:</b> Leak/Break<br><b>Contaminant Code:</b> 13<br><b>Contaminant Name:</b> FURNACE OIL<br><b>Contaminant Limit 1:</b><br><b>Contam Limit Freq 1:</b><br><b>Contaminant UN No 1:</b><br><b>Environment Impact:</b><br><b>Nature of Impact:</b><br><b>Receiving Medium:</b><br><b>Receiving Env:</b> Land<br><b>MOE Response:</b> No<br><b>Dt MOE Arvl on Scn:</b><br><b>MOE Reported Dt:</b> 2016/12/01<br><b>Dt Document Closed:</b> |                   | <b>Discharger Report:</b><br><b>Material Group:</b><br><b>Health/Env Conseq:</b><br><b>Client Type:</b><br><b>Sector Type:</b> Miscellaneous Communal<br><b>Agency Involved:</b><br><b>Nearest Watercourse:</b><br><b>Site Address:</b> 22 Hawthorne Ave<br><b>Site District Office:</b><br><b>Site Postal Code:</b> K1S 0B1<br><b>Site Region:</b><br><br><b>Site Municipality:</b> Ottawa<br><b>Site Lot:</b><br><b>Site Conc:</b><br><b>Northing:</b> 5028945<br><b>Easting:</b> 446651<br><b>Site Geo Ref Accu:</b><br><b>Site Map Datum:</b><br><b>SAC Action Class:</b> TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill |               |  |     |
| <b>Incident Reason:</b> Equipment Failure<br><b>Site Name:</b> residence<UNOFFICIAL><br><b>Site County/District:</b><br><b>Site Geo Ref Meth:</b><br><b>Incident Summary:</b> TSSA: AST furnace oil leak, 200 L<br><b>Contaminant Qty:</b> 200 L   |                   | <b>Source Type:</b>  |               |  |     |

|   |        |          |              |                                |     |
|---|--------|----------|--------------|--------------------------------|-----|
| <a href="#">2</a>   | 2 of 4 | SSE/11.9 | 70.9 / -0.02 | 22 HAWTHORNE AVE, OTTAWA<br>ON | INC |
| <b>Incident No:</b> 1986614<br><b>Incident ID:</b><br><b>Attribute Category:</b> FS-Perform L1 Incident Insp<br><b>Status Code:</b><br><b>Incident Location:</b> 22 HAWTHORNE AVE, OTTAWA - LEAK<br><b>Drainage System:</b><br><b>Sub Surface Contam.:</b><br><b>Aff. Prop. Use Water:</b><br><b>Contam. Migrated:</b><br><b>Contact Natural Env.:</b><br><b>Near Body of Water:</b><br><b>Approx. Quant. Rel.:</b><br><b>Equipment Model:</b><br><b>Serial No:</b><br><b>Residential App. Type:</b><br><b>Commercial App. Type:</b><br><b>Industrial App. Type:</b><br><b>Institutional App. Type:</b><br><b>Venting Type:</b> |        |          |              |                                |     |

| Map Key   | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---|-------------------|----------------------------|------------------|------|----|
| <b>Vent Connector Mater:</b><br><b>Vent Chimney Mater:</b><br><b>Pipeline Type:</b><br><b>Pipeline Involved:</b><br><b>Pipe Material:</b><br><b>Depth Ground Cover:</b><br><b>Regulator Location:</b><br><b>Regulator Type:</b><br><b>Operation Pressure:</b><br><b>Liquid Prop Make:</b><br><b>Liquid Prop Model:</b><br><b>Liquid Prop Serial No:</b><br><b>Equipment Type:</b><br><b>Cylinder Capacity:</b><br><b>Cylinder Capac. Units:</b><br><b>Cylinder Material Type:</b><br><b>Tank Capacity:</b><br><b>Fuels Occurrence Type:</b> Leak<br><b>Fuel Type Involved:</b> Fuel Oil<br><b>Date of Occurrence:</b> 2016/12/01 00:00:00<br><b>Time of Occurrence:</b> 14:19:00<br><b>Occur Insp Start Date:</b> 2016/12/02 00:00:00<br><b>Any Health Impact:</b> No<br><b>Any Environmental Impact:</b> Yes<br><b>Was Service Interrupted:</b> Yes<br><b>Was Property Damaged:</b> Yes<br><b>Operation Type Involved:</b> Private Dwelling<br><b>Enforcement Policy:</b> NULL<br><b>Prc Escalation Required:</b> NULL<br><b>Task No:</b> 6457903<br><b>Notes:</b><br><b>Occurrence Narrative:</b> Residential outside above ground fuel oil storage tank leaked fuel onto the ground.<br><b>Tank Material Type:</b><br><b>Tank Storage Type:</b><br><b>Tank Location Type:</b><br><b>Pump Flow Rate Capac:</b><br><b>Liquid Prop Notes:</b> |                   |                            |                  |      |    |

|  |        |          |              |                                   |     |
|--|--------|----------|--------------|-----------------------------------|-----|
| <a href="#">2</a>  | 3 of 4 | SSE/11.9 | 70.9 / -0.02 | 22 HAWTHORNE AVENUE, OTTAWA<br>ON | INC |
| <b>Incident No:</b> 2025932<br><b>Incident ID:</b><br><b>Attribute Category:</b> FS-Perform L1 Incident Insp<br><b>Status Code:</b><br><b>Incident Location:</b> 22 HAWTHORNE AVENUE, OTTAWA - LEAK<br><b>Drainage System:</b><br><b>Sub Surface Contam.:</b><br><b>Aff. Prop. Use Water:</b><br><b>Contam. Migrated:</b><br><b>Contact Natural Env.:</b><br><b>Near Body of Water:</b><br><b>Approx. Quant. Rel.:</b><br><b>Equipment Model:</b><br><b>Serial No:</b><br><b>Residential App. Type:</b><br><b>Commercial App. Type:</b><br><b>Industrial App. Type:</b><br><b>Institutional App. Type:</b><br><b>Venting Type:</b><br><b>Vent Connector Mater:</b><br><b>Vent Chimney Mater:</b><br><b>Pipeline Type:</b><br><b>Pipeline Involved:</b> |        |          |              |                                   |     |



| Map Key  | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--|-------------------|-------------------------|---------------|------|----|
| <b>Pipe Material:</b><br><b>Depth Ground Cover:</b><br><b>Regulator Location:</b><br><b>Regulator Type:</b><br><b>Operation Pressure:</b><br><b>Liquid Prop Make:</b><br><b>Liquid Prop Model:</b><br><b>Liquid Prop Serial No:</b><br><b>Equipment Type:</b><br><b>Cylinder Capacity:</b><br><b>Cylinder Capac. Units:</b><br><b>Cylinder Material Type:</b><br><b>Tank Capacity:</b><br><b>Fuels Occurrence Type:</b> Leak<br><b>Fuel Type Involved:</b> Fuel Oil<br><b>Date of Occurrence:</b> 2016/11/18 00:00:00<br><b>Time of Occurrence:</b> 14:19:00<br><b>Occur Insp Start Date:</b> 2016/12/02 00:00:00<br><b>Any Health Impact:</b> No<br><b>Any Environmental Impact:</b> Yes<br><b>Was Service Interrupted:</b> Yes<br><b>Was Property Damaged:</b> Yes<br><b>Operation Type Involved:</b> Private Dwelling<br><b>Enforcement Policy:</b> NULL<br><b>Prc Escalation Required:</b> NULL<br><b>Task No:</b> 6633549<br><b>Notes:</b><br><b>Occurrence Narrative:</b> Residential fuel oil leak.<br><b>Tank Material Type:</b><br><b>Tank Storage Type:</b><br><b>Tank Location Type:</b><br><b>Pump Flow Rate Capac:</b><br><b>Liquid Prop Notes:</b> |                   |                         |               |      |    |

| <u>2</u>                     | 4 of 4   | SSE/11.9 | 70.9 / -0.02 | 22 Hawthorne Avenue<br>Ottawa ON | SPL                             |
|------------------------------|--|----------|--------------|----------------------------------|---------------------------------|
| <b>Ref No:</b>               | 5854-AJKSFQ                                    |          |              | <b>Discharger Report:</b>        |                                 |
| <b>Site No:</b>              | NA   |          |              | <b>Material Group:</b>           |                                 |
| <b>Incident Dt:</b>          | 11/24/2016                                     |          |              | <b>Health/Env Conseq:</b>        |                                 |
| <b>Year:</b>                 |  |          |              | <b>Client Type:</b>              |                                 |
| <b>Incident Cause:</b>       |  |          |              | <b>Sector Type:</b>              | Organic Chemicals Manufacturing |
| <b>Incident Event:</b>       | Leak/Break                                     |          |              | <b>Agency Involved:</b>          |                                 |
| <b>Contaminant Code:</b>     | 15   |          |              | <b>Nearest Watercourse:</b>      |                                 |
| <b>Contaminant Name:</b>     | OIL (PETROLEUM BASED, NOT SPECIFIED)           |          |              | <b>Site Address:</b>             | 22 Hawthorne Avenue             |
| <b>Contaminant Limit 1:</b>  |  |          |              | <b>Site District Office:</b>     |                                 |
| <b>Contam Limit Freq 1:</b>  |  |          |              | <b>Site Postal Code:</b>         |                                 |
| <b>Contaminant UN No 1:</b>  |  |          |              | <b>Site Region:</b>              |                                 |
| <b>Environment Impact:</b>   |  |          |              | <b>Site Municipality:</b>        | Ottawa                          |
| <b>Nature of Impact:</b>     |  |          |              | <b>Site Lot:</b>                 |                                 |
| <b>Receiving Medium:</b>     |  |          |              | <b>Site Conc:</b>                |                                 |
| <b>Receiving Env:</b>        | Land   |          |              | <b>Northing:</b>                 | 5028945                         |
| <b>MOE Response:</b>         | No   |          |              | <b>Easting:</b>                  | 446651                          |
| <b>Dt MOE Arvl on Scn:</b>   |  |          |              | <b>Site Geo Ref Accu:</b>        |                                 |
| <b>MOE Reported Dt:</b>      | 2/14/2017                                      |          |              | <b>Site Map Datum:</b>           |                                 |
| <b>Dt Document Closed:</b>   |  |          |              | <b>SAC Action Class:</b>         | Land Spills                     |
| <b>Incident Reason:</b>      | Equipment Failure                              |          |              | <b>Source Type:</b>              |                                 |
| <b>Site Name:</b>            | Municipal Allowance <UNOFFICIAL>               |          |              |                                  |                                 |
| <b>Site County/District:</b> |  |          |              |                                  |                                 |
| <b>Site Geo Ref Meth:</b>    |  |          |              |                                  |                                 |
| <b>Incident Summary:</b>     | Historical spill: Heating oil leak from an AST |          |              |                                  |                                 |
| <b>Contaminant Qty:</b>      | 190 L  |          |              |                                  |                                 |

| Map Key                             | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                      | DB                             |
|-------------------------------------|-------------------|----------------------------|------------------|---------------------------|--------------------------------|
| <a href="#">1</a>                   | 1 of 1            | ESE/10.5                   | 71.0 / 0.00      | ON                        | WWIS                           |
| <b>Well ID:</b>                     | 7306422           |                            |                  | <b>Data Entry Status:</b> | Yes                            |
| <b>Construction Date:</b>           |                   |                            |                  | <b>Data Src:</b>          |                                |
| <b>Primary Water Use:</b>           |                   |                            |                  | <b>Date Received:</b>     | 2/26/2018                      |
| <b>Sec. Water Use:</b>              |                   |                            |                  | <b>Selected Flag:</b>     | Yes                            |
| <b>Final Well Status:</b>           |                   |                            |                  | <b>Abandonment Rec:</b>   |                                |
| <b>Water Type:</b>                  |                   |                            |                  | <b>Contractor:</b>        | 6964                           |
| <b>Casing Material:</b>             |                   |                            |                  | <b>Form Version:</b>      | 8                              |
| <b>Audit No:</b>                    | C34351            |                            |                  | <b>Owner:</b>             |                                |
| <b>Tag:</b>                         | A149831           |                            |                  | <b>Street Name:</b>       |                                |
| <b>Construction Method:</b>         |                   |                            |                  | <b>County:</b>            | OTTAWA-CARLETON                |
| <b>Elevation (m):</b>               |                   |                            |                  | <b>Municipality:</b>      | OTTAWA CITY                    |
| <b>Elevation Reliability:</b>       |                   |                            |                  | <b>Site Info:</b>         |                                |
| <b>Depth to Bedrock:</b>            |                   |                            |                  | <b>Lot:</b>               |                                |
| <b>Well Depth:</b>                  |                   |                            |                  | <b>Concession:</b>        |                                |
| <b>Overburden/Bedrock:</b>          |                   |                            |                  | <b>Concession Name:</b>   |                                |
| <b>Pump Rate:</b>                   |                   |                            |                  | <b>Easting NAD83:</b>     |                                |
| <b>Static Water Level:</b>          |                   |                            |                  | <b>Northing NAD83:</b>    |                                |
| <b>Flowing (Y/N):</b>               |                   |                            |                  | <b>Zone:</b>              |                                |
| <b>Flow Rate:</b>                   |                   |                            |                  | <b>UTM Reliability:</b>   |                                |
| <b>Clear/Cloudy:</b>                |                   |                            |                  |                           |                                |
| <b><u>Bore Hole Information</u></b> |                   |                            |                  |                           |                                |
| <b>Bore Hole ID:</b>                | 1006991996        |                            |                  | <b>Elevation:</b>         |                                |
| <b>DP2BR:</b>                       |                   |                            |                  | <b>Elevrc:</b>            |                                |
| <b>Spatial Status:</b>              |                   |                            |                  | <b>Zone:</b>              | 18                             |
| <b>Code OB:</b>                     |                   |                            |                  | <b>East83:</b>            | 446660                         |
| <b>Code OB Desc:</b>                |                   |                            |                  | <b>North83:</b>           | 5028940                        |
| <b>Open Hole:</b>                   |                   |                            |                  | <b>Org CS:</b>            | UTM83                          |
| <b>Cluster Kind:</b>                |                   |                            |                  | <b>UTMRC:</b>             | 4                              |
| <b>Date Completed:</b>              | 1/11/2017         |                            |                  | <b>UTMRC Desc:</b>        | margin of error : 30 m - 100 m |
| <b>Remarks:</b>                     |                   |                            |                  | <b>Location Method:</b>   | wwr                            |
| <b>Elevrc Desc:</b>                 |                   |                            |                  |                           |                                |
| <b>Location Source Date:</b>        |                   |                            |                  |                           |                                |
| <b>Improvement Location Source:</b> |                   |                            |                  |                           |                                |
| <b>Improvement Location Method:</b> |                   |                            |                  |                           |                                |
| <b>Source Revision Comment:</b>     |                   |                            |                  |                           |                                |
| <b>Supplier Comment:</b>            |                   |                            |                  |                           |                                |
| <a href="#">3</a>                   | 1 of 1            | N/14.5                     | 71.0 / 0.00      | lot G con C<br>ON         | WWIS                           |
| <b>Well ID:</b>                     | 7293171           |                            |                  | <b>Data Entry Status:</b> |                                |
| <b>Construction Date:</b>           |                   |                            |                  | <b>Data Src:</b>          |                                |
| <b>Primary Water Use:</b>           | Test Hole         |                            |                  | <b>Date Received:</b>     | 8/18/2017                      |
| <b>Sec. Water Use:</b>              | Monitoring        |                            |                  | <b>Selected Flag:</b>     | Yes                            |
| <b>Final Well Status:</b>           | Test Hole         |                            |                  | <b>Abandonment Rec:</b>   |                                |
| <b>Water Type:</b>                  |                   |                            |                  | <b>Contractor:</b>        | 7241                           |
| <b>Casing Material:</b>             |                   |                            |                  | <b>Form Version:</b>      | 7                              |
| <b>Audit No:</b>                    | Z258455           |                            |                  | <b>Owner:</b>             |                                |
| <b>Tag:</b>                         | A189821           |                            |                  | <b>Street Name:</b>       | HAWTHORNE                      |
| <b>Construction Method:</b>         |                   |                            |                  | <b>County:</b>            | OTTAWA-CARLETON                |
| <b>Elevation (m):</b>               |                   |                            |                  | <b>Municipality:</b>      | NEPEAN TOWNSHIP                |
| <b>Elevation Reliability:</b>       |                   |                            |                  | <b>Site Info:</b>         |                                |
| <b>Depth to Bedrock:</b>            |                   |                            |                  | <b>Lot:</b>               | G                              |
| <b>Well Depth:</b>                  |                   |                            |                  | <b>Concession:</b>        | C                              |
| <b>Overburden/Bedrock:</b>          |                   |                            |                  | <b>Concession Name:</b>   |                                |
| <b>Pump Rate:</b>                   |                   |                            |                  | <b>Easting NAD83:</b>     |                                |
| <b>Static Water Level:</b>          |                   |                            |                  | <b>Northing NAD83:</b>    |                                |



| <b>Map Key</b>   | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b>                             | <b>DB</b>                      |
|--|--------------------------|------------------------------------|--------------------------|---|--------------------------------|
| <b>Flowing (Y/N):</b><br><b>Flow Rate:</b><br><b>Clear/Cloudy:</b> |                          |                                    |                          | <b>Zone:</b><br><b>UTM Reliability:</b> |                                |
| <b><u>Bore Hole Information</u></b>                                |                          |                                    |                          |   |                                |
| <b>Bore Hole ID:</b>   | 1006714826               |                                    |                          | <b>Elevation:</b>                       | 67.790313                      |
| <b>DP2BR:</b>  |                          |                                    |                          | <b>Elevrc:</b>                          |                                |
| <b>Spatial Status:</b>   |                          |                                    |                          | <b>Zone:</b>                            | 18                             |
| <b>Code OB:</b>  |                          |                                    |                          | <b>East83:</b>                          | 446652                         |
| <b>Code OB Desc:</b>   |                          |                                    |                          | <b>North83:</b>                         | 5028959                        |
| <b>Open Hole:</b>  |                          |                                    |                          | <b>Org CS:</b>                          | UTM83                          |
| <b>Cluster Kind:</b>   |                          |                                    |                          | <b>UTMRC:</b>                           | 4                              |
| <b>Date Completed:</b>   | 7/23/2017                |                                    |                          | <b>UTMRC Desc:</b>                      | margin of error : 30 m - 100 m |
| <b>Remarks:</b>  |                          |                                    |                          | <b>Location Method:</b>                 | wwr                            |
| <b>Elevrc Desc:</b>  |                          |                                    |                          |   |                                |
| <b>Location Source Date:</b>                                       |                          |                                    |                          |   |                                |
| <b>Improvement Location Source:</b>                                |                          |                                    |                          |   |                                |
| <b>Improvement Location Method:</b>                                |                          |                                    |                          |   |                                |
| <b>Source Revision Comment:</b>                                    |                          |                                    |                          |   |                                |
| <b>Supplier Comment:</b>   |                          |                                    |                          |   |                                |
| <b><u>Overburden and Bedrock</u></b>                               |                          |                                    |                          |   |                                |
| <b><u>Materials Interval</u></b>                                   |                          |                                    |                          |   |                                |
| <b>Formation ID:</b>   | 1006854965               |                                    |                          |   |                                |
| <b>Layer:</b>  | 1                        |                                    |                          |   |                                |
| <b>Color:</b>  | 2                        |                                    |                          |   |                                |
| <b>General Color:</b>  | GREY                     |                                    |                          |   |                                |
| <b>Mat1:</b>   | 11                       |                                    |                          |   |                                |
| <b>Most Common Material:</b>                                       | GRAVEL                   |                                    |                          |   |                                |
| <b>Mat2:</b>   |                          |                                    |                          |   |                                |
| <b>Other Materials:</b>  |                          |                                    |                          |   |                                |
| <b>Mat3:</b>   | 77                       |                                    |                          |   |                                |
| <b>Other Materials:</b>  | LOOSE                    |                                    |                          |   |                                |
| <b>Formation Top Depth:</b>  | 0                        |                                    |                          |   |                                |
| <b>Formation End Depth:</b>  | 0.61                     |                                    |                          |   |                                |
| <b>Formation End Depth UOM:</b>                                    | ft                       |                                    |                          |   |                                |
| <b><u>Overburden and Bedrock</u></b>                               |                          |                                    |                          |   |                                |
| <b><u>Materials Interval</u></b>                                   |                          |                                    |                          |   |                                |
| <b>Formation ID:</b>   | 1006854966               |                                    |                          |   |                                |
| <b>Layer:</b>  | 2                        |                                    |                          |   |                                |
| <b>Color:</b>  | 6                        |                                    |                          |   |                                |
| <b>General Color:</b>  | BROWN                    |                                    |                          |   |                                |
| <b>Mat1:</b>   | 01                       |                                    |                          |   |                                |
| <b>Most Common Material:</b>                                       | FILL                     |                                    |                          |   |                                |
| <b>Mat2:</b>   | 85                       |                                    |                          |   |                                |
| <b>Other Materials:</b>  | SOFT                     |                                    |                          |   |                                |
| <b>Mat3:</b>   |                          |                                    |                          |   |                                |
| <b>Other Materials:</b>  |                          |                                    |                          |   |                                |
| <b>Formation Top Depth:</b>  | 0.61                     |                                    |                          |   |                                |
| <b>Formation End Depth:</b>  | 1.83                     |                                    |                          |   |                                |
| <b>Formation End Depth UOM:</b>                                    | ft                       |                                    |                          |   |                                |
| <b><u>Overburden and Bedrock</u></b>                               |                          |                                    |                          |   |                                |
| <b><u>Materials Interval</u></b>                                   |                          |                                    |                          |   |                                |
| <b>Formation ID:</b>   | 1006854967               |                                    |                          |   |                                |
| <b>Layer:</b>  | 3                        |                                    |                          |   |                                |
| <b>Color:</b>  | 6                        |                                    |                          |   |                                |

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>General Color:</b>                                       |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>  |                          | 05                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | CLAY                               |                          |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |
| <b>Other Materials:</b>                                     |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          | 66                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | DENSE                              |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 1.83                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 3.66                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 1006854968                         |                          |             |           |
| <b>Layer:</b>   |                          | 4                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>  |                          | 05                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | CLAY                               |                          |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |
| <b>Other Materials:</b>                                     |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SOFT                               |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 3.66                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 6.1                                |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1006854976                         |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 0                                  |                          |             |           |
| <b>Plug To:</b>   |                          | 0.31                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | ft                                 |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1006854977                         |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 0.31                               |                          |             |           |
| <b>Plug To:</b>   |                          | 2.74                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | ft                                 |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1006854978                         |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 2.74                               |                          |             |           |
| <b>Plug To:</b>   |                          | 6.1                                |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well<br/>Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                              |                          |                                    |                          |             |           |
| <b>Method Construction Code:</b>                            |                          | 2                                  |                          |             |           |
| <b>Method Construction:</b>                                 |                          | Rotary (Convent.)                  |                          |             |           |
| <b>Other Method Construction:</b>                           |                          |                                    |                          |             |           |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

**Pipe Information**

Pipe ID: 1006854964  
 Casing No: 0  
 Comment:  
 Alt Name:

**Construction Record - Casing**

Casing ID: 1006854971  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From: 0  
 Depth To: 3.1  
 Casing Diameter: 2.5  
 Casing Diameter UOM: inch  
 Casing Depth UOM: ft

**Construction Record - Screen**

Screen ID: 1006854972  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 3.1  
 Screen End Depth: 6.1  
 Screen Material: 5  
 Screen Depth UOM: ft  
 Screen Diameter UOM: inch  
 Screen Diameter: 6.03

**Hole Diameter**

Hole ID: 1006854969  
 Diameter: 20.23  
 Depth From: 0  
 Depth To: 6.1  
 Hole Depth UOM: ft  
 Hole Diameter UOM: inch

|                                 |   |          |              |                                  |            |
|---------------------------------|---|----------|--------------|----------------------------------|------------|
| <a href="#">4</a>               | 1 of 1  | ENE/14.7 | 70.9 / -0.08 | 24 Hawthorne Avenue<br>Ottawa ON | EHS        |
| <b>Order No:</b>                | 20170410149   |          |              | <b>Nearest Intersection:</b>     |            |
| <b>Status:</b>                  | C   |          |              | <b>Municipality:</b>             | Ottawa     |
| <b>Report Type:</b>             | Custom Report   |          |              | <b>Client Prov/State:</b>        | ON         |
| <b>Report Date:</b>             | 18-APR-17   |          |              | <b>Search Radius (km):</b>       | .275       |
| <b>Date Received:</b>           | 10-APR-17   |          |              | <b>X:</b>                        | -75.681616 |
| <b>Previous Site Name:</b>      | Various   |          |              | <b>Y:</b>                        | 45.412023  |
| <b>Lot/Building Size:</b>       |   |          |              |                                  |            |
| <b>Additional Info Ordered:</b> | Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos |          |              |                                  |            |

|                        |                      |         |              |   |     |
|------------------------|----------------------|---------|--------------|---|-----|
| <a href="#">5</a>      | 1 of 2               | NW/32.4 | 69.9 / -1.05 | CANAL CYCLES 08-587<br>19 HAWTHORNE AVE.<br>OTTAWA ON K1S 0A9 | GEN |
| <b>Generator No:</b>   | ON1267200            |         |              | <b>PO Box No:</b>   |     |
| <b>Status:</b>         |                      |         |              | <b>Country:</b>   |     |
| <b>Approval Years:</b> | 92,93,94,95,96,97,98 |         |              | <b>Choice of Contact:</b>                                     |     |

| Map Key  | Number of Records | Direction/<br>Distance (m)   | Elev/Diff<br>(m) | Site  | DB  |
|--|-------------------|------------------------------|------------------|---|-----|
| <b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b> 6542<br><b>SIC Description:</b>  |                   | BICYCLE SHOPS                |                  | <b>Co Admin:</b><br><b>Phone No Admin:</b>  |     |
| <b><u>Detail(s)</u></b>  |                   |                              |                  |   |     |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  |                   | 213<br>PETROLEUM DISTILLATES |                  |   |     |
| <a href="#">5</a>  | 2 of 2            | NW/32.4                      | 69.9 / -1.05     | <b>CANAL CYCLES</b><br><b>19 HAWTHORNE AVENUE</b><br><b>OTTAWA ON K1S 0A9</b>                                   | GEN |
| <b>Generator No:</b> ON1267200<br><b>Status:</b><br><b>Approval Years:</b> 99,00,01<br><b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b> 6542<br><b>SIC Description:</b>       |                   | BICYCLE SHOPS                |                  | <b>PO Box No:</b><br><b>Country:</b><br><b>Choice of Contact:</b><br><b>Co Admin:</b><br><b>Phone No Admin:</b> |     |
| <b><u>Detail(s)</u></b>  |                   |                              |                  |   |     |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  |                   | 213<br>PETROLEUM DISTILLATES |                  |   |     |
| <a href="#">6</a>  | 1 of 1            | W/45.5                       | 68.6 / -2.41     | <b>CAPITAL BIKE 'N BLADE</b><br><b>3 HAWTHORNE AVE.</b><br><b>OTTAWA ON K1S 0A9</b>                             | GEN |
| <b>Generator No:</b> ON1839900<br><b>Status:</b><br><b>Approval Years:</b> 94,95,96,97,98<br><b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b> 6541<br><b>SIC Description:</b> |                   | SPORTING GOODS STORE         |                  | <b>PO Box No:</b><br><b>Country:</b><br><b>Choice of Contact:</b><br><b>Co Admin:</b><br><b>Phone No Admin:</b> |     |
| <b><u>Detail(s)</u></b>  |                   |                              |                  |   |     |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  |                   | 213<br>PETROLEUM DISTILLATES |                  |   |     |
| <a href="#">7</a>  | 1 of 2            | W/45.6                       | 68.6 / -2.41     | <b>CANAL CYCLES</b><br><b>5 HAWTHORNE AVE.</b><br><b>OTTAWA ON K1S 0A9</b>                                      | GEN |
| <b>Generator No:</b> ON1267200<br><b>Status:</b><br><b>Approval Years:</b> 89<br><b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b> 6542<br><b>SIC Description:</b>             |                   | BICYCLE SHOPS                |                  | <b>PO Box No:</b><br><b>Country:</b><br><b>Choice of Contact:</b><br><b>Co Admin:</b><br><b>Phone No Admin:</b> |     |
| <b><u>Detail(s)</u></b>  |                   |                              |                  |   |     |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  |                   | 213<br>PETROLEUM DISTILLATES |                  |   |     |

| Map Key                     | Number of Records     | Direction/ Distance (m) | Elev/Diff (m) | Site   | DB  |
|-----------------------------|-----------------------|-------------------------|---------------|--|-----|
| <a href="#">7</a>           | 2 of 2                | W/45.6                  | 68.6 / -2.41  | CYCO'S INC.<br>5 HAWTHORNE AVENUE<br>OTTAWA ON K1S 0A9                                   | GEN |
| <b>Generator No:</b>        | ON2119400             |                         |               | <b>PO Box No:</b>  |     |
| <b>Status:</b>              |                       |                         |               | <b>Country:</b>  |     |
| <b>Approval Years:</b>      | 96,97,98,99,00,01     |                         |               | <b>Choice of Contact:</b>  |     |
| <b>Contam. Facility:</b>    |                       |                         |               | <b>Co Admin:</b>   |     |
| <b>MHSW Facility:</b>       |                       |                         |               | <b>Phone No Admin:</b>   |     |
| <b>SIC Code:</b>            | 9999                  |                         |               |  |     |
| <b>SIC Description:</b>     | OTHER SERVICES        |                         |               |  |     |
| <b><u>Detail(s)</u></b>     |                       |                         |               |  |     |
| <b>Waste Class:</b>         | 213                   |                         |               |  |     |
| <b>Waste Class Desc:</b>    | PETROLEUM DISTILLATES |                         |               |  |     |
| <a href="#">8</a>           | 1 of 1                | WSW/63.0                | 69.3 / -1.63  | DR. A. CHRISTIE<br>223 ECHO DRIVE<br>OTTAWA ON K1S 1N2                                   | GEN |
| <b>Generator No:</b>        | ON2100300             |                         |               | <b>PO Box No:</b>  |     |
| <b>Status:</b>              |                       |                         |               | <b>Country:</b>  |     |
| <b>Approval Years:</b>      | 95,96,97,98,99,00,01  |                         |               | <b>Choice of Contact:</b>  |     |
| <b>Contam. Facility:</b>    |                       |                         |               | <b>Co Admin:</b>   |     |
| <b>MHSW Facility:</b>       |                       |                         |               | <b>Phone No Admin:</b>   |     |
| <b>SIC Code:</b>            | 8653                  |                         |               |  |     |
| <b>SIC Description:</b>     | DENTISTS, GP., OFF.   |                         |               |  |     |
| <b><u>Detail(s)</u></b>     |                       |                         |               |  |     |
| <b>Waste Class:</b>         | 212                   |                         |               |  |     |
| <b>Waste Class Desc:</b>    | ALIPHATIC SOLVENTS    |                         |               |  |     |
| <a href="#">9</a>           | 1 of 1                | ESE/67.4                | 71.9 / 0.91   | OTTAWA CITY<br>GRAHAM AVE./ECHO DR./MAIN ST.<br>OTTAWA CITY ON                           | CA  |
| <b>Certificate #:</b>       | 3-0502-95-            |                         |               |  |     |
| <b>Application Year:</b>    | 95                    |                         |               |  |     |
| <b>Issue Date:</b>          | 5/24/1995             |                         |               |  |     |
| <b>Approval Type:</b>       | Municipal sewage      |                         |               |  |     |
| <b>Status:</b>              | Approved              |                         |               |  |     |
| <b>Application Type:</b>    |                       |                         |               |  |     |
| <b>Client Name:</b>         |                       |                         |               |  |     |
| <b>Client Address:</b>      |                       |                         |               |  |     |
| <b>Client City:</b>         |                       |                         |               |  |     |
| <b>Client Postal Code:</b>  |                       |                         |               |  |     |
| <b>Project Description:</b> |                       |                         |               |  |     |
| <b>Contaminants:</b>        |                       |                         |               |  |     |
| <b>Emission Control:</b>    |                       |                         |               |  |     |
| <a href="#">10</a>          | 1 of 1                | WSW/80.6                | 66.6 / -4.34  | Parks Canada (Rideau Canal)<br>Colonel By Dr. & Hawthorne Ave. Intersection<br>Ottawa ON | SPL |
| <b>Ref No:</b>              | 3152-7RFPDE           |                         |               | <b>Discharger Report:</b>  |     |
| <b>Site No:</b>             |                       |                         |               | <b>Material Group:</b>   |     |
| <b>Incident Dt:</b>         |                       |                         |               | <b>Health/Env Conseq:</b>  |     |

| Map Key                      | Number of Records                    | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                         | DB                 |
|------------------------------|--------------------------------------|----------------------------|------------------|------------------------------|--------------------|
| Year:                        |                                      |                            |                  | <b>Client Type:</b>          |                    |
| <b>Incident Cause:</b>       | Unknown                              |                            |                  | <b>Sector Type:</b>          |                    |
| <b>Incident Event:</b>       |                                      |                            |                  | <b>Agency Involved:</b>      |                    |
| <b>Contaminant Code:</b>     |                                      |                            |                  | <b>Nearest Watercourse:</b>  |                    |
| <b>Contaminant Name:</b>     | OIL (PETROLEUM BASED, NOT SPECIFIED) |                            |                  | <b>Site Address:</b>         |                    |
| <b>Contaminant Limit 1:</b>  |                                      |                            |                  | <b>Site District Office:</b> |                    |
| <b>Contam Limit Freq 1:</b>  |                                      |                            |                  | <b>Site Postal Code:</b>     |                    |
| <b>Contaminant UN No 1:</b>  |                                      |                            |                  | <b>Site Region:</b>          |                    |
| <b>Environment Impact:</b>   | Possible                             |                            |                  | <b>Site Municipality:</b>    | Ottawa             |
| <b>Nature of Impact:</b>     | Surface Water Pollution              |                            |                  | <b>Site Lot:</b>             |                    |
| <b>Receiving Medium:</b>     |                                      |                            |                  | <b>Site Conc:</b>            |                    |
| <b>Receiving Env:</b>        |                                      |                            |                  | <b>Northing:</b>             | NA                 |
| <b>MOE Response:</b>         |                                      |                            |                  | <b>Easting:</b>              | NA                 |
| <b>Dt MOE Arvl on Scn:</b>   |                                      |                            |                  | <b>Site Geo Ref Accu:</b>    |                    |
| <b>MOE Reported Dt:</b>      | 4/25/2009                            |                            |                  | <b>Site Map Datum:</b>       |                    |
| <b>Dt Document Closed:</b>   |                                      |                            |                  | <b>SAC Action Class:</b>     | Watercourse Spills |
| <b>Incident Reason:</b>      |                                      |                            |                  | <b>Source Type:</b>          |                    |
| <b>Site Name:</b>            | Pretoria Bridge                      |                            |                  |                              |                    |
| <b>Site County/District:</b> |                                      |                            |                  |                              |                    |
| <b>Site Geo Ref Meth:</b>    |                                      |                            |                  |                              |                    |
| <b>Incident Summary:</b>     | Oil sheen on Rideau Canal            |                            |                  |                              |                    |
| <b>Contaminant Qty:</b>      |                                      |                            |                  |                              |                    |

|                                     |            |          |              |                           |                                |
|-------------------------------------|------------|----------|--------------|---------------------------|--------------------------------|
| <a href="#">11</a>                  | 1 of 1     | WSW/83.9 | 65.8 / -5.19 | lot G con C<br>Ottawa ON  | WWIS                           |
| <b>Well ID:</b>                     | 7293173    |          |              | <b>Data Entry Status:</b> |                                |
| <b>Construction Date:</b>           |            |          |              | <b>Data Src:</b>          |                                |
| <b>Primary Water Use:</b>           | Test Hole  |          |              | <b>Date Received:</b>     | 8/18/2017                      |
| <b>Sec. Water Use:</b>              | Monitoring |          |              | <b>Selected Flag:</b>     | Yes                            |
| <b>Final Well Status:</b>           | Test Hole  |          |              | <b>Abandonment Rec:</b>   |                                |
| <b>Water Type:</b>                  |            |          |              | <b>Contractor:</b>        | 7241                           |
| <b>Casing Material:</b>             |            |          |              | <b>Form Version:</b>      | 7                              |
| <b>Audit No:</b>                    | Z258422    |          |              | <b>Owner:</b>             |                                |
| <b>Tag:</b>                         | A189907    |          |              | <b>Street Name:</b>       | COLONEL BY DRIVE               |
| <b>Construction Method:</b>         |            |          |              | <b>County:</b>            | OTTAWA-CARLETON                |
| <b>Elevation (m):</b>               |            |          |              | <b>Municipality:</b>      | NEPEAN TOWNSHIP                |
| <b>Elevation Reliability:</b>       |            |          |              | <b>Site Info:</b>         |                                |
| <b>Depth to Bedrock:</b>            |            |          |              | <b>Lot:</b>               | G                              |
| <b>Well Depth:</b>                  |            |          |              | <b>Concession:</b>        | C                              |
| <b>Overburden/Bedrock:</b>          |            |          |              | <b>Concession Name:</b>   |                                |
| <b>Pump Rate:</b>                   |            |          |              | <b>Easting NAD83:</b>     |                                |
| <b>Static Water Level:</b>          |            |          |              | <b>Northing NAD83:</b>    |                                |
| <b>Flowing (Y/N):</b>               |            |          |              | <b>Zone:</b>              |                                |
| <b>Flow Rate:</b>                   |            |          |              | <b>UTM Reliability:</b>   |                                |
| <b>Clear/Cloudy:</b>                |            |          |              |                           |                                |
| <b><u>Bore Hole Information</u></b> |            |          |              |                           |                                |
| <b>Bore Hole ID:</b>                | 1006714832 |          |              | <b>Elevation:</b>         | 64.989303                      |
| <b>DP2BR:</b>                       |            |          |              | <b>Elevrc:</b>            |                                |
| <b>Spatial Status:</b>              |            |          |              | <b>Zone:</b>              | 18                             |
| <b>Code OB:</b>                     |            |          |              | <b>East83:</b>            | 446586                         |
| <b>Code OB Desc:</b>                |            |          |              | <b>North83:</b>           | 5028891                        |
| <b>Open Hole:</b>                   |            |          |              | <b>Org CS:</b>            | UTM83                          |
| <b>Cluster Kind:</b>                |            |          |              | <b>UTMRC:</b>             | 4                              |
| <b>Date Completed:</b>              | 6/19/2017  |          |              | <b>UTMRC Desc:</b>        | margin of error : 30 m - 100 m |
| <b>Remarks:</b>                     |            |          |              | <b>Location Method:</b>   | wwr                            |
| <b>Elevrc Desc:</b>                 |            |          |              |                           |                                |
| <b>Location Source Date:</b>        |            |          |              |                           |                                |
| <b>Improvement Location Source:</b> |            |          |              |                           |                                |
| <b>Improvement Location Method:</b> |            |          |              |                           |                                |
| <b>Source Revision Comment:</b>     |            |          |              |                           |                                |

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Supplier Comment:</b>                                    |                          |                                    |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 1006855010                         |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>  |                          | 05                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | CLAY                               |                          |             |           |
| <b>Mat2:</b>  |                          | 06                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SILT                               |                          |             |           |
| <b>Mat3:</b>  |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SOFT                               |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 4                                  |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 6.2                                |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 1006855009                         |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>  |                          | 05                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | CLAY                               |                          |             |           |
| <b>Mat2:</b>  |                          | 06                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SILT                               |                          |             |           |
| <b>Mat3:</b>  |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SOFT                               |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 0.8                                |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 4                                  |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 1006855008                         |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>  |                          | 11                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | GRAVEL                             |                          |             |           |
| <b>Mat2:</b>  |                          | 28                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SAND                               |                          |             |           |
| <b>Mat3:</b>  |                          | 79                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | PACKED                             |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 0                                  |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 0.8                                |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1006855020                         |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 2.79                               |                          |             |           |
| <b>Plug To:</b>   |                          | 6.2                                |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | m                                  |                          |             |           |

| <i>Map Key</i>   | <i>Number of Records</i> | <i>Direction/ Distance (m)</i> | <i>Elev/Diff (m)</i> | <i>Site</i> | <i>DB</i> |
|--|--------------------------|--------------------------------|----------------------|-------------|-----------|
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                                |                      |             |           |
| <i>Plug ID:</i>  |                          | 1006855018                     |                      |             |           |
| <i>Layer:</i>  |                          | 1                              |                      |             |           |
| <i>Plug From:</i>                                      |                          | 0                              |                      |             |           |
| <i>Plug To:</i>  |                          | 0.31                           |                      |             |           |
| <i>Plug Depth UOM:</i>                                 |                          | m                              |                      |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                                |                      |             |           |
| <i>Plug ID:</i>  |                          | 1006855019                     |                      |             |           |
| <i>Layer:</i>  |                          | 2                              |                      |             |           |
| <i>Plug From:</i>                                      |                          | 0.31                           |                      |             |           |
| <i>Plug To:</i>  |                          | 2.79                           |                      |             |           |
| <i>Plug Depth UOM:</i>                                 |                          | m                              |                      |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>    |                          |                                |                      |             |           |
| <i>Method Construction ID:</i>                         |                          |                                |                      |             |           |
| <i>Method Construction Code:</i>                       |                          | 2                              |                      |             |           |
| <i>Method Construction:</i>                            |                          | Rotary (Convent.)              |                      |             |           |
| <i>Other Method Construction:</i>                      |                          |                                |                      |             |           |
| <b><u>Pipe Information</u></b>                         |                          |                                |                      |             |           |
| <i>Pipe ID:</i>  |                          | 1006855007                     |                      |             |           |
| <i>Casing No:</i>                                      |                          | 0                              |                      |             |           |
| <i>Comment:</i>  |                          |                                |                      |             |           |
| <i>Alt Name:</i>                                       |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>             |                          |                                |                      |             |           |
| <i>Casing ID:</i>                                      |                          | 1006855013                     |                      |             |           |
| <i>Layer:</i>  |                          | 1                              |                      |             |           |
| <i>Material:</i>                                       |                          | 5                              |                      |             |           |
| <i>Open Hole or Material:</i>                          |                          | PLASTIC                        |                      |             |           |
| <i>Depth From:</i>                                     |                          | 0                              |                      |             |           |
| <i>Depth To:</i>                                       |                          | 3.1                            |                      |             |           |
| <i>Casing Diameter:</i>                                |                          | 5.2                            |                      |             |           |
| <i>Casing Diameter UOM:</i>                            |                          | cm                             |                      |             |           |
| <i>Casing Depth UOM:</i>                               |                          | m                              |                      |             |           |
| <b><u>Construction Record - Screen</u></b>             |                          |                                |                      |             |           |
| <i>Screen ID:</i>                                      |                          | 1006855014                     |                      |             |           |
| <i>Layer:</i>  |                          | 1                              |                      |             |           |
| <i>Slot:</i>   |                          | 10                             |                      |             |           |
| <i>Screen Top Depth:</i>                               |                          | 3.1                            |                      |             |           |
| <i>Screen End Depth:</i>                               |                          | 6.2                            |                      |             |           |
| <i>Screen Material:</i>                                |                          | 5                              |                      |             |           |
| <i>Screen Depth UOM:</i>                               |                          | m                              |                      |             |           |
| <i>Screen Diameter UOM:</i>                            |                          | cm                             |                      |             |           |
| <i>Screen Diameter:</i>                                |                          | 6.03                           |                      |             |           |
| <b><u>Hole Diameter</u></b>                            |                          |                                |                      |             |           |
| <i>Hole ID:</i>  |                          | 1006855011                     |                      |             |           |
| <i>Diameter:</i>                                       |                          | 20.25                          |                      |             |           |



| Map Key            | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|--------------------|-------------------|----------------------------|------------------|------|----|
| Depth From:        |                   | 0                          |                  |      |    |
| Depth To:          |                   | 6.2                        |                  |      |    |
| Hole Depth UOM:    |                   | m                          |                  |      |    |
| Hole Diameter UOM: |                   | cm                         |                  |      |    |

| <a href="#">12</a>         | 1 of 1         | NE/87.3 | 69.8 / -1.12 | ON                        | BORE           |
|----------------------------|----------------|---------|--------------|---------------------------|----------------|
| <b>Borehole ID:</b>        | 613238         |         |              | <b>Inclin FLG:</b>        | No             |
| <b>OGF ID:</b>             | 215514540      |         |              | <b>SP Status:</b>         | Initial Entry  |
| <b>Status:</b>             |                |         |              | <b>Surv Elev:</b>         | No             |
| <b>Type:</b>               | Borehole       |         |              | <b>Piezometer:</b>        | No             |
| <b>Use:</b>                |                |         |              | <b>Primary Name:</b>      |                |
| <b>Completion Date:</b>    | JUL-1962       |         |              | <b>Municipality:</b>      |                |
| <b>Static Water Level:</b> |                |         |              | <b>Lot:</b>               |                |
| <b>Primary Water Use:</b>  |                |         |              | <b>Township:</b>          |                |
| <b>Sec. Water Use:</b>     |                |         |              | <b>Latitude DD:</b>       | 45.412688      |
| <b>Total Depth m:</b>      | 5.3            |         |              | <b>Longitude DD:</b>      | -75.681292     |
| <b>Depth Ref:</b>          | Ground Surface |         |              | <b>UTM Zone:</b>          | 18             |
| <b>Depth Elev:</b>         |                |         |              | <b>Easting:</b>           | 446691         |
| <b>Drill Method:</b>       |                |         |              | <b>Northing:</b>          | 5029022        |
| <b>Orig Ground Elev m:</b> | 68.6           |         |              | <b>Location Accuracy:</b> |                |
| <b>Elev Reliabil Note:</b> |                |         |              | <b>Accuracy:</b>          | Not Applicable |
| <b>DEM Ground Elev m:</b>  | 70.9           |         |              |                           |                |
| <b>Concession:</b>         |                |         |              |                           |                |
| <b>Location D:</b>         |                |         |              |                           |                |
| <b>Survey D:</b>           |                |         |              |                           |                |
| <b>Comments:</b>           |                |         |              |                           |                |

**Borehole Geology Stratum**

|                                  |                                 |                            |       |
|----------------------------------|---------------------------------|----------------------------|-------|
| <b>Geology Stratum ID:</b>       | 218394280                       | <b>Mat Consistency:</b>    | Stiff |
| <b>Top Depth:</b>                | 2.6                             | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 3                               | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Blue                            | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay                            | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               |                                 | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |                                 | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                                 | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                                 |                            |       |
| <b>Stratum Description:</b>      | CLAY. BLUE,GREY,STIFF,FISSURED. |                            |       |

|                                  |           |                            |  |
|----------------------------------|-----------|----------------------------|--|
| <b>Geology Stratum ID:</b>       | 218394278 | <b>Mat Consistency:</b>    |  |
| <b>Top Depth:</b>                | 0         | <b>Material Moisture:</b>  |  |
| <b>Bottom Depth:</b>             | 1.5       | <b>Material Texture:</b>   |  |
| <b>Material Color:</b>           |           | <b>Non Geo Mat Type:</b>   |  |
| <b>Material 1:</b>               | Sand      | <b>Geologic Formation:</b> |  |
| <b>Material 2:</b>               | Silt      | <b>Geologic Group:</b>     |  |
| <b>Material 3:</b>               |           | <b>Geologic Period:</b>    |  |
| <b>Material 4:</b>               |           | <b>Depositional Gen:</b>   |  |
| <b>Gsc Material Description:</b> |           |                            |  |
| <b>Stratum Description:</b>      | SAND.     |                            |  |

|                                  |   |                            |       |
|----------------------------------|---|----------------------------|-------|
| <b>Geology Stratum ID:</b>       | 218394281   | <b>Mat Consistency:</b>    | Stiff |
| <b>Top Depth:</b>                | 3   | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 5.3   | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               |   | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |   | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |   | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |   |                            |       |
| <b>Stratum Description:</b>      | CLAY. GREY,STIFF,FISSURED. 00000 013 00050 018 00085 060 00100 079 00000012000500 **Note: Many records provided by the department have a truncated [Stratum Description] field. |                            |       |

| Map Key                          | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                       | DB             |
|----------------------------------|-------------------|----------------------------|------------------|----------------------------|----------------|
| <b>Geology Stratum ID:</b>       | 218394279         |                            |                  | <b>Mat Consistency:</b>    | Dense          |
| <b>Top Depth:</b>                | 1.5               |                            |                  | <b>Material Moisture:</b>  |                |
| <b>Bottom Depth:</b>             | 2.6               |                            |                  | <b>Material Texture:</b>   | Fine to Medium |
| <b>Material Color:</b>           |                   |                            |                  | <b>Non Geo Mat Type:</b>   |                |
| <b>Material 1:</b>               | Sand              |                            |                  | <b>Geologic Formation:</b> |                |
| <b>Material 2:</b>               |                   |                            |                  | <b>Geologic Group:</b>     |                |
| <b>Material 3:</b>               |                   |                            |                  | <b>Geologic Period:</b>    |                |
| <b>Material 4:</b>               |                   |                            |                  | <b>Depositional Gen:</b>   |                |
| <b>Gsc Material Description:</b> |                   |                            |                  |                            |                |
| <b>Stratum Description:</b>      |                   | SAND-FINE TO MEDIUM.DENSE. |                  |                            |                |

**Source**

|                        |  |                      |                        |
|------------------------|--|----------------------|------------------------|
| <b>Source Type:</b>    | Data Survey  | <b>Source Appl:</b>  | Spatial/Tabular        |
| <b>Source Orig:</b>    | Geological Survey of Canada  | <b>Source Iden:</b>  | 1                      |
| <b>Source Date:</b>    | 1956-1972  | <b>Scale or Res:</b> | Varies                 |
| <b>Confidence:</b>     | H  | <b>Horizontal:</b>   | NAD27                  |
| <b>Observatio:</b>     |  | <b>Verticalda:</b>   | Mean Average Sea Level |
| <b>Source Name:</b>    | Urban Geology Automated Information System (UGAIS)                                 |                      |                        |
| <b>Source Details:</b> | File: OTTAWA2.txt RecordID: 057460 NTS_Sheet: 31G05G                               |                      |                        |
| <b>Confiden 1:</b>     | Logged by professional. Exact and complete description of material and properties. |                      |                        |

**Source List**

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

| 13                            | 1 of 2                   | E/89.9 | 70.9 / -0.08 | Ottawa ON                 | WWIS             |
|-------------------------------|--------------------------|--------|--------------|---------------------------|------------------|
| <b>Well ID:</b>               | 7235381                  |        |              | <b>Data Entry Status:</b> |                  |
| <b>Construction Date:</b>     |                          |        |              | <b>Data Src:</b>          |                  |
| <b>Primary Water Use:</b>     | Monitoring and Test Hole |        |              | <b>Date Received:</b>     | 1/12/2015        |
| <b>Sec. Water Use:</b>        | 0                        |        |              | <b>Selected Flag:</b>     | Yes              |
| <b>Final Well Status:</b>     | Monitoring and Test Hole |        |              | <b>Abandonment Rec:</b>   |                  |
| <b>Water Type:</b>            |                          |        |              | <b>Contractor:</b>        | 7241             |
| <b>Casing Material:</b>       |                          |        |              | <b>Form Version:</b>      | 7                |
| <b>Audit No:</b>              | Z198171                  |        |              | <b>Owner:</b>             |                  |
| <b>Tag:</b>                   | A173877                  |        |              | <b>Street Name:</b>       | 31 GRAHAM AVENUE |
| <b>Construction Method:</b>   |                          |        |              | <b>County:</b>            | OTTAWA-CARLETON  |
| <b>Elevation (m):</b>         |                          |        |              | <b>Municipality:</b>      | NEPEAN TOWNSHIP  |
| <b>Elevation Reliability:</b> |                          |        |              | <b>Site Info:</b>         |                  |
| <b>Depth to Bedrock:</b>      |                          |        |              | <b>Lot:</b>               |                  |
| <b>Well Depth:</b>            |                          |        |              | <b>Concession:</b>        |                  |
| <b>Overburden/Bedrock:</b>    |                          |        |              | <b>Concession Name:</b>   |                  |
| <b>Pump Rate:</b>             |                          |        |              | <b>Easting NAD83:</b>     |                  |
| <b>Static Water Level:</b>    |                          |        |              | <b>Northing NAD83:</b>    |                  |
| <b>Flowing (Y/N):</b>         |                          |        |              | <b>Zone:</b>              |                  |
| <b>Flow Rate:</b>             |                          |        |              | <b>UTM Reliability:</b>   |                  |
| <b>Clear/Cloudy:</b>          |                          |        |              |                           |                  |
| <b>Bore Hole Information</b>  |                          |        |              |                           |                  |
| <b>Bore Hole ID:</b>          | 1005279677               |        |              | <b>Elevation:</b>         | 68.308746        |
| <b>DP2BR:</b>                 |                          |        |              | <b>Elevrc:</b>            |                  |
| <b>Spatial Status:</b>        |                          |        |              | <b>Zone:</b>              | 18               |
| <b>Code OB:</b>               |                          |        |              | <b>East83:</b>            | 446740           |

| Map Key                             | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                    | DB                             |
|-------------------------------------|-------------------|----------------------------|------------------|-------------------------|--------------------------------|
| <b>Code OB Desc:</b>                |                   |                            |                  | <b>North83:</b>         | 5028954                        |
| <b>Open Hole:</b>                   |                   |                            |                  | <b>Org CS:</b>          | UTM83                          |
| <b>Cluster Kind:</b>                |                   |                            |                  | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>              | 12/5/2014         |                            |                  | <b>UTMRC Desc:</b>      | margin of error : 30 m - 100 m |
| <b>Remarks:</b>                     |                   |                            |                  | <b>Location Method:</b> | wwr                            |
| <b>Elevrc Desc:</b>                 |                   |                            |                  |                         |                                |
| <b>Location Source Date:</b>        |                   |                            |                  |                         |                                |
| <b>Improvement Location Source:</b> |                   |                            |                  |                         |                                |
| <b>Improvement Location Method:</b> |                   |                            |                  |                         |                                |
| <b>Source Revision Comment:</b>     |                   |                            |                  |                         |                                |
| <b>Supplier Comment:</b>            |                   |                            |                  |                         |                                |

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

**Formation ID:** 1005479938  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 08  
**Most Common Material:** FINE SAND  
**Mat2:**  
**Other Materials:**  
**Mat3:** 85  
**Other Materials:** SOFT  
**Formation Top Depth:** 0.61  
**Formation End Depth:** 2.74  
**Formation End Depth UOM:** m

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

**Formation ID:** 1005479937  
**Layer:** 1  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:**  
**Other Materials:**  
**Mat3:** 77  
**Other Materials:** LOOSE  
**Formation Top Depth:** 0  
**Formation End Depth:** 0.61  
**Formation End Depth UOM:** m

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

**Formation ID:** 1005479940  
**Layer:** 4  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Other Materials:**  
**Mat3:** 85  
**Other Materials:** SOFT  
**Formation Top Depth:** 3.66  
**Formation End Depth:** 6.1  
**Formation End Depth UOM:** m

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 1005479939                         |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Color:</b>   |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>  |                          | 05                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | CLAY                               |                          |             |           |
| <b>Mat2:</b>  |                          | 06                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SILT                               |                          |             |           |
| <b>Mat3:</b>  |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SOFT                               |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 2.74                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 3.66                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1005479949                         |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 0.31                               |                          |             |           |
| <b>Plug To:</b>   |                          | 2.74                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1005479950                         |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 2.74                               |                          |             |           |
| <b>Plug To:</b>   |                          | 6.1                                |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1005479948                         |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 0                                  |                          |             |           |
| <b>Plug To:</b>   |                          | 0.31                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | m                                  |                          |             |           |
| <b><u>Method of Construction &amp; Well<br/>Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                              |                          |                                    |                          |             |           |
| <b>Method Construction Code:</b>                            |                          | D                                  |                          |             |           |
| <b>Method Construction:</b>                                 |                          | Direct Push                        |                          |             |           |
| <b>Other Method Construction:</b>                           |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                              |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>   |                          | 1005479936                         |                          |             |           |
| <b>Casing No:</b>   |                          | 0                                  |                          |             |           |
| <b>Comment:</b>   |                          |                                    |                          |             |           |
| <b>Alt Name:</b>  |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>                  |                          |                                    |                          |             |           |

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

**Casing ID:** 1005479943  
**Layer:** 1  
**Material:** 5  
**Open Hole or Material:** PLASTIC  
**Depth From:** 0  
**Depth To:** 3.1  
**Casing Diameter:** 4.03  
**Casing Diameter UOM:** cm  
**Casing Depth UOM:** m

**Construction Record - Screen**

**Screen ID:** 1005479944  
**Layer:** 1  
**Slot:** 10  
**Screen Top Depth:** 3.1  
**Screen End Depth:** 6.1  
**Screen Material:** 5  
**Screen Depth UOM:** m  
**Screen Diameter UOM:** cm  
**Screen Diameter:** 4.82

**Hole Diameter**

**Hole ID:** 1005479941  
**Diameter:** 8.25  
**Depth From:** 0  
**Depth To:** 6.1  
**Hole Depth UOM:** m  
**Hole Diameter UOM:** cm

[13](#)      2 of 2      **E/89.9**      **70.9 / -0.08**      **OTTAWA ON**      **WWIS**

**Well ID:** 7266158  
**Construction Date:**  
**Primary Water Use:** Monitoring  
**Sec. Water Use:**  
**Final Well Status:** Abandoned-Other  
**Water Type:**  
**Casing Material:**  
**Audit No:** Z170942  
**Tag:** A173877  
**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:**  
**Date Received:** 7/8/2016  
**Selected Flag:** Yes  
**Abandonment Rec:** Yes  
**Contractor:** 7477  
**Form Version:** 7  
**Owner:**  
**Street Name:** 31 GRAHAM AVENUE  
**County:** OTTAWA-CARLETON  
**Municipality:** NEPEAN TOWNSHIP  
**Site Info:**  
**Lot:**  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 1006121230      **Elevation:** 68.308746  
**DP2BR:**      **Elevrc:**  
**Spatial Status:**      **Zone:** 18  
**Code OB:**      **East83:** 446740

| Map Key  | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m)   | Site                    | DB                             |
|--|-------------------|----------------------------|--------------------|-------------------------|--------------------------------|
| <b>Code OB Desc:</b>                                   |                   |                            |                    | <b>North83:</b>         | 5028954                        |
| <b>Open Hole:</b>                                      |                   |                            |                    | <b>Org CS:</b>          | UTM83                          |
| <b>Cluster Kind:</b>                                   |                   |                            |                    | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>                                 |                   | 6/28/2016                  | <b>UTMRC Desc:</b> |                         | margin of error : 30 m - 100 m |
| <b>Remarks:</b>  |                   |                            |                    | <b>Location Method:</b> | wwr                            |
| <b>Elevrc Desc:</b>                                    |                   |                            |                    |                         |                                |
| <b>Location Source Date:</b>                           |                   |                            |                    |                         |                                |
| <b>Improvement Location Source:</b>                    |                   |                            |                    |                         |                                |
| <b>Improvement Location Method:</b>                    |                   |                            |                    |                         |                                |
| <b>Source Revision Comment:</b>                        |                   |                            |                    |                         |                                |
| <b>Supplier Comment:</b>                               |                   |                            |                    |                         |                                |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                   |                            |                    |                         |                                |
| <b>Plug ID:</b>  |                   | 1006134435                 |                    |                         |                                |
| <b>Layer:</b>  |                   | 1                          |                    |                         |                                |
| <b>Plug From:</b>                                      |                   | 0.25                       |                    |                         |                                |
| <b>Plug To:</b>  |                   | 6.1                        |                    |                         |                                |
| <b>Plug Depth UOM:</b>                                 |                   | ft                         |                    |                         |                                |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                   |                            |                    |                         |                                |
| <b>Plug ID:</b>  |                   | 1006134436                 |                    |                         |                                |
| <b>Layer:</b>  |                   | 2                          |                    |                         |                                |
| <b>Plug From:</b>                                      |                   | 0                          |                    |                         |                                |
| <b>Plug To:</b>  |                   | 0.25                       |                    |                         |                                |
| <b>Plug Depth UOM:</b>                                 |                   | ft                         |                    |                         |                                |
| <b><u>Method of Construction &amp; Well Use</u></b>    |                   |                            |                    |                         |                                |
| <b>Method Construction ID:</b>                         |                   |                            |                    |                         |                                |
| <b>Method Construction Code:</b>                       |                   | 9                          |                    |                         |                                |
| <b>Method Construction:</b>                            |                   | Driving                    |                    |                         |                                |
| <b>Other Method Construction:</b>                      |                   |                            |                    |                         |                                |
| <b><u>Pipe Information</u></b>                         |                   |                            |                    |                         |                                |
| <b>Pipe ID:</b>  |                   | 1006134427                 |                    |                         |                                |
| <b>Casing No:</b>                                      |                   | 0                          |                    |                         |                                |
| <b>Comment:</b>  |                   |                            |                    |                         |                                |
| <b>Alt Name:</b>                                       |                   |                            |                    |                         |                                |
| <b><u>Construction Record - Casing</u></b>             |                   |                            |                    |                         |                                |
| <b>Casing ID:</b>                                      |                   | 1006134431                 |                    |                         |                                |
| <b>Layer:</b>  |                   | 1                          |                    |                         |                                |
| <b>Material:</b>                                       |                   |                            |                    |                         |                                |
| <b>Open Hole or Material:</b>                          |                   |                            |                    |                         |                                |
| <b>Depth From:</b>                                     |                   |                            |                    |                         |                                |
| <b>Depth To:</b>                                       |                   |                            |                    |                         |                                |
| <b>Casing Diameter:</b>                                |                   | 4.03                       |                    |                         |                                |
| <b>Casing Diameter UOM:</b>                            |                   | inch                       |                    |                         |                                |
| <b>Casing Depth UOM:</b>                               |                   | ft                         |                    |                         |                                |
| <b><u>Construction Record - Screen</u></b>             |                   |                            |                    |                         |                                |
| <b>Screen ID:</b>                                      |                   | 1006134432                 |                    |                         |                                |
| <b>Layer:</b>  |                   | 1                          |                    |                         |                                |

| Map Key                     | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|-----------------------------|-------------------|----------------------------|------------------|------|----|
| Slot:                       |                   | 10                         |                  |      |    |
| Screen Top Depth:           |                   | 3.1                        |                  |      |    |
| Screen End Depth:           |                   | 6.1                        |                  |      |    |
| Screen Material:            |                   | 5                          |                  |      |    |
| Screen Depth UOM:           |                   | ft                         |                  |      |    |
| Screen Diameter UOM:        |                   | inch                       |                  |      |    |
| Screen Diameter:            |                   | 4.82                       |                  |      |    |
| <b><u>Water Details</u></b> |                   |                            |                  |      |    |
| Water ID:                   |                   | 1006134430                 |                  |      |    |
| Layer:                      |                   | 1                          |                  |      |    |
| Kind Code:                  |                   | 8                          |                  |      |    |
| Kind:                       |                   | Untested                   |                  |      |    |
| Water Found Depth:          |                   | 4                          |                  |      |    |
| Water Found Depth UOM:      |                   | ft                         |                  |      |    |
| <b><u>Hole Diameter</u></b> |                   |                            |                  |      |    |
| Hole ID:                    |                   | 1006134429                 |                  |      |    |
| Diameter:                   |                   | 8.25                       |                  |      |    |
| Depth From:                 |                   | 0                          |                  |      |    |
| Depth To:                   |                   | 6.1                        |                  |      |    |
| Hole Depth UOM:             |                   | ft                         |                  |      |    |
| Hole Diameter UOM:          |                   | inch                       |                  |      |    |

|                          |               |          |              |  |            |
|--------------------------|---------------|----------|--------------|--|------------|
| <a href="#">14</a>       | 1 of 1        | ENE/96.1 | 70.9 / -0.05 | 56 hawthorne avenue<br>Ottawa ON K1S 0B1 | EHS        |
| Order No:                | 20090715003   |          |              | Nearest Intersection:                    |            |
| Status:                  | C             |          |              | Municipality:                            |            |
| Report Type:             | Custom Report |          |              | Client Prov/State:                       | ON         |
| Report Date:             | 7/16/2009     |          |              | Search Radius (km):                      | 0.25       |
| Date Received:           | 7/15/2009     |          |              | X:                                       | -75.680486 |
| Previous Site Name:      |               |          |              | Y:                                       | 45.412492  |
| Lot/Building Size:       |               |          |              |  |            |
| Additional Info Ordered: |               |          |              |  |            |

|                     |                                       |          |              |                    |                  |
|---------------------|---------------------------------------|----------|--------------|--------------------|------------------|
| <a href="#">15</a>  | 1 of 1                                | NW/104.2 | 65.8 / -5.17 | ON                 | BORE             |
| Borehole ID:        | 847433                                |          |              | Inclin FLG:        | No               |
| OGF ID:             | 215589091                             |          |              | SP Status:         | Initial Entry    |
| Status:             | Decommissioned                        |          |              | Surv Elev:         | No               |
| Type:               | Borehole                              |          |              | Piezometer:        | No               |
| Use:                | Geotechnical/Geological Investigation |          |              | Primary Name:      |                  |
| Completion Date:    | 07-FEB-1961                           |          |              | Municipality:      |                  |
| Static Water Level: |                                       |          |              | Lot:               | LOT F            |
| Primary Water Use:  |                                       |          |              | Township:          | NEPEAN           |
| Sec. Water Use:     |                                       |          |              | Latitude DD:       | 45.412696        |
| Total Depth m:      | 38.1                                  |          |              | Longitude DD:      | -75.682668       |
| Depth Ref:          | Ground Surface                        |          |              | UTM Zone:          | 18               |
| Depth Elev:         |                                       |          |              | Easting:           | 446583           |
| Drill Method:       | Diamond Drill                         |          |              | Northing:          | 5029024          |
| Orig Ground Elev m: | 67.8                                  |          |              | Location Accuracy: |                  |
| Elev Reliabil Note: |                                       |          |              | Accuracy:          | Within 10 metres |
| DEM Ground Elev m:  | 71.9                                  |          |              |                    |                  |
| Concession:         | BROKEN FRONT C                        |          |              |                    |                  |
| Location D:         |                                       |          |              |                    |                  |
| Survey D:           |                                       |          |              |                    |                  |
| Comments:           |                                       |          |              |                    |                  |



| Map Key                                | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                       | DB         |
|--|---|----------------------------|------------------|----------------------------|------------|
| <b><u>Borehole Geology Stratum</u></b> |   |                            |                  |                            |            |
| <b>Geology Stratum ID:</b>             | 6557503   |                            |                  | <b>Mat Consistency:</b>    | Very Dense |
| <b>Top Depth:</b>                      | 32.3  |                            |                  | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>                   | 33.1  |                            |                  | <b>Material Texture:</b>   |            |
| <b>Material Color:</b>                 | Brown   |                            |                  | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>                     | Till  |                            |                  | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>                     | Sand  |                            |                  | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>                     |   |                            |                  | <b>Geologic Period:</b>    |            |
| <b>Material 4:</b>                     |   |                            |                  | <b>Depositional Gen:</b>   |            |
| <b>Gsc Material Description:</b>       |   |                            |                  |                            |            |
| <b>Stratum Description:</b>            | VERY DENSE BROWN SANDY TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.                             |                            |                  |                            |            |
| <b>Geology Stratum ID:</b>             | 6557501   |                            |                  | <b>Mat Consistency:</b>    | Stiff      |
| <b>Top Depth:</b>                      | 8.8   |                            |                  | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>                   | 20.1  |                            |                  | <b>Material Texture:</b>   |            |
| <b>Material Color:</b>                 | Grey  |                            |                  | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>                     | Clay  |                            |                  | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>                     | Silt  |                            |                  | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>                     | Fine Sand   |                            |                  | <b>Geologic Period:</b>    |            |
| <b>Material 4:</b>                     |   |                            |                  | <b>Depositional Gen:</b>   |            |
| <b>Gsc Material Description:</b>       |   |                            |                  |                            |            |
| <b>Stratum Description:</b>            | STIFF GREY SILTY CLAY SOME FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.                    |                            |                  |                            |            |
| <b>Geology Stratum ID:</b>             | 6557500   |                            |                  | <b>Mat Consistency:</b>    | Stiff      |
| <b>Top Depth:</b>                      | 2.4   |                            |                  | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>                   | 8.8   |                            |                  | <b>Material Texture:</b>   |            |
| <b>Material Color:</b>                 | Grey  |                            |                  | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>                     | Clay  |                            |                  | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>                     | Silt  |                            |                  | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>                     | Fine Sand   |                            |                  | <b>Geologic Period:</b>    |            |
| <b>Material 4:</b>                     |   |                            |                  | <b>Depositional Gen:</b>   |            |
| <b>Gsc Material Description:</b>       |   |                            |                  |                            |            |
| <b>Stratum Description:</b>            | STIFF GREY CLAY SOME SILT TRACE FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.               |                            |                  |                            |            |
| <b>Geology Stratum ID:</b>             | 6557502   |                            |                  | <b>Mat Consistency:</b>    | Compact    |
| <b>Top Depth:</b>                      | 20.1  |                            |                  | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>                   | 32.3  |                            |                  | <b>Material Texture:</b>   |            |
| <b>Material Color:</b>                 | Grey  |                            |                  | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>                     | Silt  |                            |                  | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>                     | Fine Sand   |                            |                  | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>                     | Clay  |                            |                  | <b>Geologic Period:</b>    |            |
| <b>Material 4:</b>                     |   |                            |                  | <b>Depositional Gen:</b>   |            |
| <b>Gsc Material Description:</b>       |   |                            |                  |                            |            |
| <b>Stratum Description:</b>            | COMPACT TO DENSE GREY SILT SOME FINE SAND TRACE OF CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field. |                            |                  |                            |            |
| <b>Geology Stratum ID:</b>             | 6557499   |                            |                  | <b>Mat Consistency:</b>    | Loose      |
| <b>Top Depth:</b>                      | 0   |                            |                  | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>                   | 2.4   |                            |                  | <b>Material Texture:</b>   | Fine       |
| <b>Material Color:</b>                 | Brown   |                            |                  | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>                     | Sand  |                            |                  | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>                     | Silt  |                            |                  | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>                     |   |                            |                  | <b>Geologic Period:</b>    |            |
| <b>Material 4:</b>                     |   |                            |                  | <b>Depositional Gen:</b>   |            |
| <b>Gsc Material Description:</b>       |   |                            |                  |                            |            |
| <b>Stratum Description:</b>            | LOOSE BROWN SILTY FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.                             |                            |                  |                            |            |
| <b>Geology Stratum ID:</b>             | 6557504   |                            |                  | <b>Mat Consistency:</b>    |            |
| <b>Top Depth:</b>                      | 33.1  |                            |                  | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>                   | 38.1  |                            |                  | <b>Material Texture:</b>   |            |

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

**Material Color:** Dark  
**Material 1:** Bedrock  
**Material 2:** Shale  
**Material 3:**  
**Material 4:**  
**Gsc Material Description:**  
**Stratum Description:** DARK GREY SHALE BEDROCK \*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

|                    |        |           |               |    |      |
|--------------------|--------|-----------|---------------|----|------|
| <a href="#">16</a> | 1 of 1 | WNW/104.7 | 59.5 / -11.46 | ON | BORE |
|--------------------|--------|-----------|---------------|----|------|

**Borehole ID:** 847435  
**OGF ID:** 215589093  
**Status:** Decommissioned  
**Type:** Borehole  
**Use:** Geotechnical/Geological Investigation  
**Completion Date:** 08-FEB-1961  
**Static Water Level:**  
**Primary Water Use:**  
**Sec. Water Use:**  
**Total Depth m:** 18.7  
**Depth Ref:** Ground Surface  
**Depth Elev:**  
**Drill Method:** Diamond Drill  
**Orig Ground Elev m:** 65.4  
**Elev Reliabil Note:**  
**DEM Ground Elev m:** 68.3  
**Concession:** BROKEN FRONT C  
**Location D:**  
**Survey D:**  
**Comments:**

**Inclin FLG:** No  
**SP Status:** Initial Entry  
**Surv Elev:** No  
**Piezometer:** No  
**Primary Name:**  
**Municipality:**  
**Lot:** LOT F  
**Township:** NEPEAN  
**Latitude DD:** 45.412243  
**Longitude DD:** -75.683084  
**UTM Zone:** 18  
**Easting:** 446550  
**Northing:** 5028974  
**Location Accuracy:**  
**Accuracy:** Within 10 metres

**Borehole Geology Stratum**

**Geology Stratum ID:** 6557511  
**Top Depth:** 0  
**Bottom Depth:** 2.7  
**Material Color:** Grey-Brown  
**Material 1:** Sand  
**Material 2:** Silt  
**Material 3:**  
**Material 4:**  
**Gsc Material Description:**  
**Stratum Description:** COMPACT GREY BROWN SILTY FINE SAND \*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

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

**Geology Stratum ID:** 6557512  
**Top Depth:** 2.7  
**Bottom Depth:** 9.1  
**Material Color:** Grey  
**Material 1:** Clay  
**Material 2:** Silt  
**Material 3:** Fine Sand  
**Material 4:**  
**Gsc Material Description:**  
**Stratum Description:** STIFF GREY CLAY SOME SILT TRACE SINE SAND \*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

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

|                    |        |           |              |    |      |
|--------------------|--------|-----------|--------------|----|------|
| <a href="#">17</a> | 1 of 1 | NNW/106.2 | 66.5 / -4.44 | ON | BORE |
|--------------------|--------|-----------|--------------|----|------|

**Borehole ID:** 847600  
**OGF ID:** 215589257

**Inclin FLG:** No  
**SP Status:** Initial Entry

| Map Key                    | Number of Records                     | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                      | DB               |
|----------------------------|---------------------------------------|----------------------------|------------------|---------------------------|------------------|
| <b>Status:</b>             | Decommissioned                        |                            |                  | <b>Surv Elev:</b>         | No               |
| <b>Type:</b>               | Borehole                              |                            |                  | <b>Piezometer:</b>        | No               |
| <b>Use:</b>                | Geotechnical/Geological Investigation |                            |                  | <b>Primary Name:</b>      |                  |
| <b>Completion Date:</b>    | NOV-1961                              |                            |                  | <b>Municipality:</b>      |                  |
| <b>Static Water Level:</b> | 1.8                                   |                            |                  | <b>Lot:</b>               | LOT F            |
| <b>Primary Water Use:</b>  |                                       |                            |                  | <b>Township:</b>          | NEPEAN           |
| <b>Sec. Water Use:</b>     |                                       |                            |                  | <b>Latitude DD:</b>       | 45.412878        |
| <b>Total Depth m:</b>      | 10.1                                  |                            |                  | <b>Longitude DD:</b>      | -75.682287       |
| <b>Depth Ref:</b>          | Ground Surface                        |                            |                  | <b>UTM Zone:</b>          | 18               |
| <b>Depth Elev:</b>         |                                       |                            |                  | <b>Easting:</b>           | 446613           |
| <b>Drill Method:</b>       | Diamond Drill                         |                            |                  | <b>Northing:</b>          | 5029044          |
| <b>Orig Ground Elev m:</b> | 67.7                                  |                            |                  | <b>Location Accuracy:</b> |                  |
| <b>Elev Reliabil Note:</b> |                                       |                            |                  | <b>Accuracy:</b>          | Within 10 metres |
| <b>DEM Ground Elev m:</b>  | 71.2                                  |                            |                  |                           |                  |
| <b>Concession:</b>         | BROKEN FRONT C                        |                            |                  |                           |                  |
| <b>Location D:</b>         |                                       |                            |                  |                           |                  |
| <b>Survey D:</b>           |                                       |                            |                  |                           |                  |
| <b>Comments:</b>           |                                       |                            |                  |                           |                  |

### Borehole Geology Stratum

|                                  |   |  |  |                            |       |
|----------------------------------|---|--|--|----------------------------|-------|
| <b>Geology Stratum ID:</b>       | 6558160   |  |  | <b>Mat Consistency:</b>    | Stiff |
| <b>Top Depth:</b>                | 9   |  |  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 10.1  |  |  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey  |  |  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay  |  |  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt  |  |  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               | Fine Sand   |  |  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |   |  |  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |   |  |  |                            |       |
| <b>Stratum Description:</b>      | STIFF GREY SILTY CLAY TRACE FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field. |  |  |                            |       |
| <b>Geology Stratum ID:</b>       | 6558159   |  |  | <b>Mat Consistency:</b>    | Stiff |
| <b>Top Depth:</b>                | 2.2   |  |  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 9   |  |  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey  |  |  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay  |  |  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt  |  |  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |   |  |  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |   |  |  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |   |  |  |                            |       |
| <b>Stratum Description:</b>      | STIFF GREY CLAY SOME SILT **Note: Many records provided by the department have a truncated [Stratum Description] field.             |  |  |                            |       |
| <b>Geology Stratum ID:</b>       | 6558157   |  |  | <b>Mat Consistency:</b>    | Soft  |
| <b>Top Depth:</b>                | .9  |  |  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 1   |  |  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Dark  |  |  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Peat  |  |  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               |   |  |  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |   |  |  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |   |  |  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |   |  |  |                            |       |
| <b>Stratum Description:</b>      | SOFT DARK BROWN PEAT **Note: Many records provided by the department have a truncated [Stratum Description] field.                  |  |  |                            |       |
| <b>Geology Stratum ID:</b>       | 6558156   |  |  | <b>Mat Consistency:</b>    | Loose |
| <b>Top Depth:</b>                | 0   |  |  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | .9  |  |  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Brown   |  |  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Fill  |  |  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Sand  |  |  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               | Cinders   |  |  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |   |  |  | <b>Depositional Gen:</b>   |       |

| Map Key                          | Number of Records       | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site   | DB    |
|----------------------------------|-------------------------|---|------------------|--|-------|
| <b>Gsc Material Description:</b> |                         |   |                  |  |       |
| <b>Stratum Description:</b>      |                         | LOOSE BROWN SAND AND BLACK CINDERS FILL **Note: Many records provided by the department have a truncated [Stratum Description] field. |                  |  |       |
| <b>Geology Stratum ID:</b>       | 6558158                 |   |                  | <b>Mat Consistency:</b>  | Loose |
| <b>Top Depth:</b>                | 1                       |   |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 2.2                     |   |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey                    |   |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Silt                    |   |                  | <b>Geologic Formation:</b>                                       |       |
| <b>Material 2:</b>               | Sand                    |   |                  | <b>Geologic Group:</b>   |       |
| <b>Material 3:</b>               | Clay                    |   |                  | <b>Geologic Period:</b>  |       |
| <b>Material 4:</b>               |                         |   |                  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                         |   |                  |  |       |
| <b>Stratum Description:</b>      |                         | LOOSE GREY BROWN SANDY SILT SOME CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.   |                  |  |       |
| <a href="#">18</a>               | 1 of 10                 | ENE/115.9   | 70.9 / -0.05     | Phat Moose Cycles Inc.<br>98 Hawthorne Ave.<br>Ottawa ON K1S 0B1 | GEN   |
| <b>Generator No:</b>             | ON4409544               |   |                  | <b>PO Box No:</b>  |       |
| <b>Status:</b>                   |                         |   |                  | <b>Country:</b>  |       |
| <b>Approval Years:</b>           | 2009                    |   |                  | <b>Choice of Contact:</b>  |       |
| <b>Contam. Facility:</b>         |                         |   |                  | <b>Co Admin:</b>   |       |
| <b>MHSW Facility:</b>            |                         |   |                  | <b>Phone No Admin:</b>   |       |
| <b>SIC Code:</b>                 | 451110                  |   |                  |  |       |
| <b>SIC Description:</b>          | Sporting Goods Stores   |   |                  |  |       |
| <b>Detail(s)</b>                 |                         |   |                  |  |       |
| <b>Waste Class:</b>              | 213                     |   |                  |  |       |
| <b>Waste Class Desc:</b>         | PETROLEUM DISTILLATES   |   |                  |  |       |
| <b>Waste Class:</b>              | 251                     |   |                  |  |       |
| <b>Waste Class Desc:</b>         | OIL SKIMMINGS & SLUDGES |   |                  |  |       |
| <a href="#">18</a>               | 2 of 10                 | ENE/115.9   | 70.9 / -0.05     | Phat Moose Cycles Inc.<br>98 Hawthorne Ave.<br>Ottawa ON K1S 0B1 | GEN   |
| <b>Generator No:</b>             | ON4409544               |   |                  | <b>PO Box No:</b>  |       |
| <b>Status:</b>                   |                         |   |                  | <b>Country:</b>  |       |
| <b>Approval Years:</b>           | 2010                    |   |                  | <b>Choice of Contact:</b>  |       |
| <b>Contam. Facility:</b>         |                         |   |                  | <b>Co Admin:</b>   |       |
| <b>MHSW Facility:</b>            |                         |   |                  | <b>Phone No Admin:</b>   |       |
| <b>SIC Code:</b>                 | 451110                  |   |                  |  |       |
| <b>SIC Description:</b>          | Sporting Goods Stores   |   |                  |  |       |
| <b>Detail(s)</b>                 |                         |   |                  |  |       |
| <b>Waste Class:</b>              | 213                     |   |                  |  |       |
| <b>Waste Class Desc:</b>         | PETROLEUM DISTILLATES   |   |                  |  |       |
| <b>Waste Class:</b>              | 251                     |   |                  |  |       |
| <b>Waste Class Desc:</b>         | OIL SKIMMINGS & SLUDGES |   |                  |  |       |
| <a href="#">18</a>               | 3 of 10                 | ENE/115.9   | 70.9 / -0.05     | Phat Moose Cycles Inc.<br>98 Hawthorne Ave.<br>Ottawa ON K1S 0B1 | GEN   |
| <b>Generator No:</b>             | ON4409544               |   |                  | <b>PO Box No:</b>  |       |
| <b>Status:</b>                   |                         |   |                  | <b>Country:</b>  |       |

| Map Key  | Number of Records                   | Direction/<br>Distance (m) | Elev/Diff<br>(m)    | Site  | DB                    |
|--|-------------------------------------|----------------------------|---------------------|---|-----------------------|
| <b>Approval Years:</b><br><b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b><br><b>SIC Description:</b>   | 2011<br><br>451110                  | Sporting Goods Stores      |                     | <b>Choice of Contact:</b><br><b>Co Admin:</b><br><b>Phone No Admin:</b>   |                       |
| <b><u>Detail(s)</u></b>  |                                     |                            |                     |   |                       |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  | 251                                 | OIL SKIMMINGS & SLUDGES    |                     |   |                       |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  | 213                                 | PETROLEUM DISTILLATES      |                     |   |                       |
| <b>18</b>  | <b>4 of 10</b>                      | <b>ENE/115.9</b>           | <b>70.9 / -0.05</b> | <b>Phat Moose Cycles Inc.<br/>98 Hawthorne Ave.<br/>Ottawa ON K1S 0B1</b>                                       | <b>GEN</b>            |
| <b>Generator No:</b><br><b>Status:</b><br><b>Approval Years:</b><br><b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b><br><b>SIC Description:</b> | ON4409544<br><br>2012<br><br>451110 | Sporting Goods Stores      |                     | <b>PO Box No:</b><br><b>Country:</b><br><b>Choice of Contact:</b><br><b>Co Admin:</b><br><b>Phone No Admin:</b> |                       |
| <b><u>Detail(s)</u></b>  |                                     |                            |                     |   |                       |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  | 251                                 | OIL SKIMMINGS & SLUDGES    |                     |   |                       |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  | 213                                 | PETROLEUM DISTILLATES      |                     |   |                       |
| <b>18</b>  | <b>5 of 10</b>                      | <b>ENE/115.9</b>           | <b>70.9 / -0.05</b> | <b>Phat Moose Cycles Inc.<br/>98 Hawthorne Ave.<br/>Ottawa ON</b>   | <b>GEN</b>            |
| <b>Generator No:</b><br><b>Status:</b><br><b>Approval Years:</b><br><b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b><br><b>SIC Description:</b> | ON4409544<br><br>2013<br><br>451110 | SPORTING GOODS STORES      |                     | <b>PO Box No:</b><br><b>Country:</b><br><b>Choice of Contact:</b><br><b>Co Admin:</b><br><b>Phone No Admin:</b> |                       |
| <b><u>Detail(s)</u></b>  |                                     |                            |                     |   |                       |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  | 251                                 | OIL SKIMMINGS & SLUDGES    |                     |   |                       |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  | 213                                 | PETROLEUM DISTILLATES      |                     |   |                       |
| <b>18</b>  | <b>6 of 10</b>                      | <b>ENE/115.9</b>           | <b>70.9 / -0.05</b> | <b>Phat Moose Cycles Inc.<br/>98 Hawthorne Ave.<br/>Ottawa ON K1S 0B1</b>                                       | <b>GEN</b>            |
| <b>Generator No:</b><br><b>Status:</b><br><b>Approval Years:</b>   | ON4409544<br><br>2016               |                            |                     | <b>PO Box No:</b><br><b>Country:</b><br><b>Choice of Contact:</b>   | Canada<br>CO_OFFICIAL |

| Map Key  | Number of Records                             | Direction/<br>Distance (m) | Elev/Diff<br>(m)    | Site  | DB                    |
|--|---|----------------------------|---------------------|---|-----------------------|
| <b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b><br><b>SIC Description:</b>   | No<br>No<br>451110                            | SPORTING GOODS STORES      |                     | <b>Co Admin:</b><br><b>Phone No Admin:</b>  |                       |
| <b><u>Detail(s)</u></b>  |   |                            |                     |   |                       |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  | 251   | OIL SKIMMINGS & SLUDGES    |                     |   |                       |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  | 213   | PETROLEUM DISTILLATES      |                     |   |                       |
| <b>18</b>  | 7 of 10                                       | <b>ENE/115.9</b>           | <b>70.9 / -0.05</b> | <b>Phat Moose Cycles Inc.</b><br><b>98 Hawthorne Ave.</b><br><b>Ottawa ON K1S 0B1</b>                           | <b>GEN</b>            |
| <b>Generator No:</b><br><b>Status:</b><br><b>Approval Years:</b><br><b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b><br><b>SIC Description:</b> | ON4409544<br>No<br>2015<br>No<br>No<br>451110 | SPORTING GOODS STORES      |                     | <b>PO Box No:</b><br><b>Country:</b><br><b>Choice of Contact:</b><br><b>Co Admin:</b><br><b>Phone No Admin:</b> | Canada<br>CO_OFFICIAL |
| <b><u>Detail(s)</u></b>  |   |                            |                     |   |                       |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  | 213   | PETROLEUM DISTILLATES      |                     |   |                       |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  | 251   | OIL SKIMMINGS & SLUDGES    |                     |   |                       |
| <b>18</b>  | 8 of 10                                       | <b>ENE/115.9</b>           | <b>70.9 / -0.05</b> | <b>Phat Moose Cycles Inc.</b><br><b>98 Hawthorne Ave.</b><br><b>Ottawa ON K1S 0B1</b>                           | <b>GEN</b>            |
| <b>Generator No:</b><br><b>Status:</b><br><b>Approval Years:</b><br><b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b><br><b>SIC Description:</b> | ON4409544<br>No<br>2014<br>No<br>No<br>451110 | SPORTING GOODS STORES      |                     | <b>PO Box No:</b><br><b>Country:</b><br><b>Choice of Contact:</b><br><b>Co Admin:</b><br><b>Phone No Admin:</b> | Canada<br>CO_OFFICIAL |
| <b><u>Detail(s)</u></b>  |   |                            |                     |   |                       |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  | 213   | PETROLEUM DISTILLATES      |                     |   |                       |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  | 251   | OIL SKIMMINGS & SLUDGES    |                     |   |                       |
| <b>18</b>  | 9 of 10                                       | <b>ENE/115.9</b>           | <b>70.9 / -0.05</b> | <b>Phat Moose Cycles Inc.</b><br><b>98 Hawthorne Ave.</b><br><b>Ottawa ON K1S 0B1</b>                           | <b>GEN</b>            |
| <b>Generator No:</b><br><b>Status:</b><br><b>Approval Years:</b><br><b>Contam. Facility:</b>   | ON4409544<br>Registered<br>As of Dec 2018     |                            |                     | <b>PO Box No:</b><br><b>Country:</b><br><b>Choice of Contact:</b><br><b>Co Admin:</b>                           | Canada                |

| Map Key                  | Number of Records | Direction/<br>Distance (m)           | Elev/Diff<br>(m) | Site                   | DB |
|--------------------------|-------------------|--------------------------------------|------------------|------------------------|----|
| <b>MHSW Facility:</b>    |                   |                                      |                  | <b>Phone No Admin:</b> |    |
| <b>SIC Code:</b>         |                   |                                      |                  |                        |    |
| <b>SIC Description:</b>  |                   |                                      |                  |                        |    |
| <b><u>Detail(s)</u></b>  |                   |                                      |                  |                        |    |
| <b>Waste Class:</b>      |                   | 213 I                                |                  |                        |    |
| <b>Waste Class Desc:</b> |                   | Petroleum distillates                |                  |                        |    |
| <b>Waste Class:</b>      |                   | 251 L                                |                  |                        |    |
| <b>Waste Class Desc:</b> |                   | Waste oils/sludges (petroleum based) |                  |                        |    |

|                          |                 |                  |                     |   |            |
|--------------------------|-----------------|------------------|---------------------|---|------------|
| <b><u>18</u></b>         | <b>10 of 10</b> | <b>ENE/115.9</b> | <b>70.9 / -0.05</b> | <b>Phat Moose Cycles Inc.<br/>98 Hawthorne Ave.<br/>Ottawa ON K1S 0B1</b> | <b>GEN</b> |
| <b>Generator No:</b>     | ON4409544       |                  |                     | <b>PO Box No:</b>   |            |
| <b>Status:</b>           | Registered      |                  |                     | <b>Country:</b>   | Canada     |
| <b>Approval Years:</b>   | As of Mar 2019  |                  |                     | <b>Choice of Contact:</b>   |            |
| <b>Contam. Facility:</b> |                 |                  |                     | <b>Co Admin:</b>  |            |
| <b>MHSW Facility:</b>    |                 |                  |                     | <b>Phone No Admin:</b>  |            |
| <b>SIC Code:</b>         |                 |                  |                     |   |            |
| <b>SIC Description:</b>  |                 |                  |                     |   |            |

|                          |  |                                      |  |  |  |
|--------------------------|--|--------------------------------------|--|--|--|
| <b><u>Detail(s)</u></b>  |  |                                      |  |  |  |
| <b>Waste Class:</b>      |  | 251 L                                |  |  |  |
| <b>Waste Class Desc:</b> |  | Waste oils/sludges (petroleum based) |  |  |  |
| <b>Waste Class:</b>      |  | 213 I                                |  |  |  |
| <b>Waste Class Desc:</b> |  | Petroleum distillates                |  |  |  |

|                            |                                       |                |                     |                           |                  |
|----------------------------|---------------------------------------|----------------|---------------------|---------------------------|------------------|
| <b><u>19</u></b>           | <b>1 of 1</b>                         | <b>N/118.4</b> | <b>69.0 / -2.00</b> | <b>ON</b>                 | <b>BORE</b>      |
| <b>Borehole ID:</b>        | 847598                                |                |                     | <b>Inclin FLG:</b>        | No               |
| <b>OGF ID:</b>             | 215589255                             |                |                     | <b>SP Status:</b>         | Initial Entry    |
| <b>Status:</b>             | Decommissioned                        |                |                     | <b>Surv Elev:</b>         | No               |
| <b>Type:</b>               | Borehole                              |                |                     | <b>Piezometer:</b>        | No               |
| <b>Use:</b>                | Geotechnical/Geological Investigation |                |                     | <b>Primary Name:</b>      |                  |
| <b>Completion Date:</b>    | 25-NOV-1961                           |                |                     | <b>Municipality:</b>      |                  |
| <b>Static Water Level:</b> | 1.4                                   |                |                     | <b>Lot:</b>               | LOT F            |
| <b>Primary Water Use:</b>  |                                       |                |                     | <b>Township:</b>          | NEPEAN           |
| <b>Sec. Water Use:</b>     |                                       |                |                     | <b>Latitude DD:</b>       | 45.413052        |
| <b>Total Depth m:</b>      | 10.1                                  |                |                     | <b>Longitude DD:</b>      | -75.681765       |
| <b>Depth Ref:</b>          | Ground Surface                        |                |                     | <b>UTM Zone:</b>          | 18               |
| <b>Depth Elev:</b>         |                                       |                |                     | <b>Easting:</b>           | 446654           |
| <b>Drill Method:</b>       | Diamond Drill                         |                |                     | <b>Northing:</b>          | 5029063          |
| <b>Orig Ground Elev m:</b> | 67.5                                  |                |                     | <b>Location Accuracy:</b> |                  |
| <b>Elev Reliabil Note:</b> |                                       |                |                     | <b>Accuracy:</b>          | Within 10 metres |
| <b>DEM Ground Elev m:</b>  | 71.7                                  |                |                     |                           |                  |
| <b>Concession:</b>         | BROKEN FRONT C                        |                |                     |                           |                  |
| <b>Location D:</b>         |                                       |                |                     |                           |                  |
| <b>Survey D:</b>           |                                       |                |                     |                           |                  |
| <b>Comments:</b>           |                                       |                |                     |                           |                  |

|  |         |  |  |                           |       |
|--|---------|--|--|---------------------------|-------|
| <b><u>Borehole Geology Stratum</u></b> |         |  |  |                           |       |
| <b>Geology Stratum ID:</b>             | 6558145 |  |  | <b>Mat Consistency:</b>   | Stiff |
| <b>Top Depth:</b>                      | 8.5     |  |  | <b>Material Moisture:</b> |       |
| <b>Bottom Depth:</b>                   | 10.1    |  |  | <b>Material Texture:</b>  |       |
| <b>Material Color:</b>                 | Grey    |  |  | <b>Non Geo Mat Type:</b>  |       |



| Map Key                          | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                                | DB            |
|----------------------------------|---|----------------------------|------------------|-------------------------------------|---------------|
| <b>Material 1:</b>               | Clay  |                            |                  | <b>Geologic Formation:</b>          |               |
| <b>Material 2:</b>               | Silt  |                            |                  | <b>Geologic Group:</b>              |               |
| <b>Material 3:</b>               | Fine Sand   |                            |                  | <b>Geologic Period:</b>             |               |
| <b>Material 4:</b>               |   |                            |                  | <b>Depositional Gen:</b>            |               |
| <b>Gsc Material Description:</b> |   |                            |                  |                                     |               |
| <b>Stratum Description:</b>      | STIFF GREY SILTY CLAY TRACE FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.                       |                            |                  |                                     |               |
| <b>Geology Stratum ID:</b>       | 6558143   |                            |                  | <b>Mat Consistency:</b>             | Loose         |
| <b>Top Depth:</b>                | .6  |                            |                  | <b>Material Moisture:</b>           |               |
| <b>Bottom Depth:</b>             | 1.7   |                            |                  | <b>Material Texture:</b>            |               |
| <b>Material Color:</b>           | Brown-Grey  |                            |                  | <b>Non Geo Mat Type:</b>            |               |
| <b>Material 1:</b>               | Silt  |                            |                  | <b>Geologic Formation:</b>          |               |
| <b>Material 2:</b>               | Sand  |                            |                  | <b>Geologic Group:</b>              |               |
| <b>Material 3:</b>               | Clay  |                            |                  | <b>Geologic Period:</b>             |               |
| <b>Material 4:</b>               | Fine Sand   |                            |                  | <b>Depositional Gen:</b>            |               |
| <b>Gsc Material Description:</b> |   |                            |                  |                                     |               |
| <b>Stratum Description:</b>      | LOOSE BROWN TO GREY SANDY SILT SOME CLAY TO SILTY FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field. |                            |                  |                                     |               |
| <b>Geology Stratum ID:</b>       | 6558144   |                            |                  | <b>Mat Consistency:</b>             | Stiff         |
| <b>Top Depth:</b>                | 1.7   |                            |                  | <b>Material Moisture:</b>           |               |
| <b>Bottom Depth:</b>             | 8.5   |                            |                  | <b>Material Texture:</b>            |               |
| <b>Material Color:</b>           | Grey-Brown  |                            |                  | <b>Non Geo Mat Type:</b>            |               |
| <b>Material 1:</b>               | Clay  |                            |                  | <b>Geologic Formation:</b>          |               |
| <b>Material 2:</b>               | Silt  |                            |                  | <b>Geologic Group:</b>              |               |
| <b>Material 3:</b>               | Fine Sand   |                            |                  | <b>Geologic Period:</b>             |               |
| <b>Material 4:</b>               |   |                            |                  | <b>Depositional Gen:</b>            |               |
| <b>Gsc Material Description:</b> |   |                            |                  |                                     |               |
| <b>Stratum Description:</b>      | STIFF GREY BROWN TO GREY CLAY SOME SILT TRACE FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.     |                            |                  |                                     |               |
| <b>Geology Stratum ID:</b>       | 6558142   |                            |                  | <b>Mat Consistency:</b>             | Loose         |
| <b>Top Depth:</b>                | 0   |                            |                  | <b>Material Moisture:</b>           |               |
| <b>Bottom Depth:</b>             | .6  |                            |                  | <b>Material Texture:</b>            |               |
| <b>Material Color:</b>           | Brown   |                            |                  | <b>Non Geo Mat Type:</b>            |               |
| <b>Material 1:</b>               | Fill  |                            |                  | <b>Geologic Formation:</b>          |               |
| <b>Material 2:</b>               | Fine Sand   |                            |                  | <b>Geologic Group:</b>              |               |
| <b>Material 3:</b>               | Cinders   |                            |                  | <b>Geologic Period:</b>             |               |
| <b>Material 4:</b>               |   |                            |                  | <b>Depositional Gen:</b>            |               |
| <b>Gsc Material Description:</b> |   |                            |                  |                                     |               |
| <b>Stratum Description:</b>      | LOOSE BROWN FINE SAND AND BLACK CINDERS FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.                |                            |                  |                                     |               |
| <b>20</b>                        | 1 of 1  | E/120.9                    | 70.9 / -0.08     | 31 Graham Ave<br>Ottawa ON K1S0B6   | EHS           |
| <b>Order No:</b>                 | 20140916034   |                            |                  | <b>Nearest Intersection:</b>        |               |
| <b>Status:</b>                   | C   |                            |                  | <b>Municipality:</b>                |               |
| <b>Report Type:</b>              | Standard Report   |                            |                  | <b>Client Prov/State:</b>           | ON            |
| <b>Report Date:</b>              | 22-SEP-14   |                            |                  | <b>Search Radius (km):</b>          | .25           |
| <b>Date Received:</b>            | 16-SEP-14   |                            |                  | <b>X:</b>                           | -75.680279    |
| <b>Previous Site Name:</b>       |   |                            |                  | <b>Y:</b>                           | 45.412192     |
| <b>Lot/Building Size:</b>        |   |                            |                  |                                     |               |
| <b>Additional Info Ordered:</b>  | City Directory  |                            |                  |                                     |               |
| <b>21</b>                        | 1 of 1  | S/123.5                    | 69.6 / -1.36     | 221 Echo Drive<br>Ottawa ON K1S 1N1 | EHS           |
| <b>Order No:</b>                 | 20051110006   |                            |                  | <b>Nearest Intersection:</b>        | Hawthorne Ave |
| <b>Status:</b>                   | C   |                            |                  | <b>Municipality:</b>                |               |
| <b>Report Type:</b>              | Custom Report   |                            |                  | <b>Client Prov/State:</b>           | ON            |
| <b>Report Date:</b>              | 11/15/2005  |                            |                  | <b>Search Radius (km):</b>          | 0.25          |

| Map Key                         | Number of Records                | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site  | DB          |
|---------------------------------|----------------------------------|----------------------------|------------------|---|-------------|
| <b>Date Received:</b>           |                                  | 11/10/2005                 |                  | <b>X:</b>   | -75.681757  |
| <b>Previous Site Name:</b>      |                                  |                            |                  | <b>Y:</b>   | 45.410875   |
| <b>Lot/Building Size:</b>       |                                  |                            |                  |   |             |
| <b>Additional Info Ordered:</b> |                                  |                            |                  |   |             |
| <a href="#">22</a>              | 1 of 6                           | ESE/124.3                  | 70.9 / -0.08     | Ottawa Catholic District School Board<br>20 Graham Street<br>Ottawa ON        | GEN         |
| <b>Generator No:</b>            | ON3653326                        |                            |                  | <b>PO Box No:</b>   |             |
| <b>Status:</b>                  |                                  |                            |                  | <b>Country:</b>   |             |
| <b>Approval Years:</b>          | 2013                             |                            |                  | <b>Choice of Contact:</b>   |             |
| <b>Contam. Facility:</b>        |                                  |                            |                  | <b>Co Admin:</b>  |             |
| <b>MHSW Facility:</b>           |                                  |                            |                  | <b>Phone No Admin:</b>  |             |
| <b>SIC Code:</b>                | 611110                           |                            |                  |   |             |
| <b>SIC Description:</b>         | ELEMENTARY AND SECONDARY SCHOOLS |                            |                  |   |             |
| <b>Detail(s)</b>                |                                  |                            |                  |   |             |
| <b>Waste Class:</b>             | 148                              |                            |                  |   |             |
| <b>Waste Class Desc:</b>        | INORGANIC LABORATORY CHEMICALS   |                            |                  |   |             |
| <b>Waste Class:</b>             | 263                              |                            |                  |   |             |
| <b>Waste Class Desc:</b>        | ORGANIC LABORATORY CHEMICALS     |                            |                  |   |             |
| <b>Waste Class:</b>             | 145                              |                            |                  |   |             |
| <b>Waste Class Desc:</b>        | PAINT/PIGMENT/COATING RESIDUES   |                            |                  |   |             |
| <b>Waste Class:</b>             | 331                              |                            |                  |   |             |
| <b>Waste Class Desc:</b>        | WASTE COMPRESSED GASES           |                            |                  |   |             |
| <a href="#">22</a>              | 2 of 6                           | ESE/124.3                  | 70.9 / -0.08     | Ottawa Catholic District School Board<br>20 Graham Street<br>Ottawa ON K1S0B7 | GEN         |
| <b>Generator No:</b>            | ON3653326                        |                            |                  | <b>PO Box No:</b>   |             |
| <b>Status:</b>                  |                                  |                            |                  | <b>Country:</b>   | Canada      |
| <b>Approval Years:</b>          | 2016                             |                            |                  | <b>Choice of Contact:</b>   | CO_OFFICIAL |
| <b>Contam. Facility:</b>        | No                               |                            |                  | <b>Co Admin:</b>  |             |
| <b>MHSW Facility:</b>           | No                               |                            |                  | <b>Phone No Admin:</b>  |             |
| <b>SIC Code:</b>                | 611110                           |                            |                  |   |             |
| <b>SIC Description:</b>         | ELEMENTARY AND SECONDARY SCHOOLS |                            |                  |   |             |
| <b>Detail(s)</b>                |                                  |                            |                  |   |             |
| <b>Waste Class:</b>             | 331                              |                            |                  |   |             |
| <b>Waste Class Desc:</b>        | WASTE COMPRESSED GASES           |                            |                  |   |             |
| <b>Waste Class:</b>             | 145                              |                            |                  |   |             |
| <b>Waste Class Desc:</b>        | PAINT/PIGMENT/COATING RESIDUES   |                            |                  |   |             |
| <b>Waste Class:</b>             | 148                              |                            |                  |   |             |
| <b>Waste Class Desc:</b>        | INORGANIC LABORATORY CHEMICALS   |                            |                  |   |             |
| <b>Waste Class:</b>             | 263                              |                            |                  |   |             |
| <b>Waste Class Desc:</b>        | ORGANIC LABORATORY CHEMICALS     |                            |                  |   |             |
| <a href="#">22</a>              | 3 of 6                           | ESE/124.3                  | 70.9 / -0.08     | Ottawa Catholic District School Board<br>20 Graham Street<br>Ottawa ON K1S0B7 | GEN         |

| Map Key                  | Number of Records                | Direction/<br>Distance (m) | Elev/Diff<br>(m)    | Site   | DB          |
|--------------------------|----------------------------------|----------------------------|---------------------|--|-------------|
| <b>Generator No:</b>     | ON3653326                        |                            |                     | <b>PO Box No:</b>  |             |
| <b>Status:</b>           |                                  |                            |                     | <b>Country:</b>  | Canada      |
| <b>Approval Years:</b>   | 2015                             |                            |                     | <b>Choice of Contact:</b>  | CO_OFFICIAL |
| <b>Contam. Facility:</b> | No                               |                            |                     | <b>Co Admin:</b>   |             |
| <b>MHSW Facility:</b>    | No                               |                            |                     | <b>Phone No Admin:</b>   |             |
| <b>SIC Code:</b>         | 611110                           |                            |                     |  |             |
| <b>SIC Description:</b>  | ELEMENTARY AND SECONDARY SCHOOLS |                            |                     |  |             |
| <b><u>Detail(s)</u></b>  |                                  |                            |                     |  |             |
| <b>Waste Class:</b>      | 148                              |                            |                     |  |             |
| <b>Waste Class Desc:</b> | INORGANIC LABORATORY CHEMICALS   |                            |                     |  |             |
| <b>Waste Class:</b>      | 145                              |                            |                     |  |             |
| <b>Waste Class Desc:</b> | PAINT/PIGMENT/COATING RESIDUES   |                            |                     |  |             |
| <b>Waste Class:</b>      | 263                              |                            |                     |  |             |
| <b>Waste Class Desc:</b> | ORGANIC LABORATORY CHEMICALS     |                            |                     |  |             |
| <b>Waste Class:</b>      | 331                              |                            |                     |  |             |
| <b>Waste Class Desc:</b> | WASTE COMPRESSED GASES           |                            |                     |  |             |
| <a href="#">22</a>       | 4 of 6                           | <b>ESE/124.3</b>           | <b>70.9 / -0.08</b> | <b>Ottawa Catholic District School Board<br/>20 Graham Street<br/>Ottawa ON K1S0B7</b> | <b>GEN</b>  |
| <b>Generator No:</b>     | ON3653326                        |                            |                     | <b>PO Box No:</b>  |             |
| <b>Status:</b>           |                                  |                            |                     | <b>Country:</b>  | Canada      |
| <b>Approval Years:</b>   | 2014                             |                            |                     | <b>Choice of Contact:</b>  | CO_OFFICIAL |
| <b>Contam. Facility:</b> | No                               |                            |                     | <b>Co Admin:</b>   |             |
| <b>MHSW Facility:</b>    | No                               |                            |                     | <b>Phone No Admin:</b>   |             |
| <b>SIC Code:</b>         | 611110                           |                            |                     |  |             |
| <b>SIC Description:</b>  | ELEMENTARY AND SECONDARY SCHOOLS |                            |                     |  |             |
| <b><u>Detail(s)</u></b>  |                                  |                            |                     |  |             |
| <b>Waste Class:</b>      | 145                              |                            |                     |  |             |
| <b>Waste Class Desc:</b> | PAINT/PIGMENT/COATING RESIDUES   |                            |                     |  |             |
| <b>Waste Class:</b>      | 331                              |                            |                     |  |             |
| <b>Waste Class Desc:</b> | WASTE COMPRESSED GASES           |                            |                     |  |             |
| <b>Waste Class:</b>      | 148                              |                            |                     |  |             |
| <b>Waste Class Desc:</b> | INORGANIC LABORATORY CHEMICALS   |                            |                     |  |             |
| <b>Waste Class:</b>      | 263                              |                            |                     |  |             |
| <b>Waste Class Desc:</b> | ORGANIC LABORATORY CHEMICALS     |                            |                     |  |             |
| <a href="#">22</a>       | 5 of 6                           | <b>ESE/124.3</b>           | <b>70.9 / -0.08</b> | <b>Ottawa Catholic District School Board<br/>20 Graham Street<br/>Ottawa ON K1S0B7</b> | <b>GEN</b>  |
| <b>Generator No:</b>     | ON3653326                        |                            |                     | <b>PO Box No:</b>  |             |
| <b>Status:</b>           | Registered                       |                            |                     | <b>Country:</b>  | Canada      |
| <b>Approval Years:</b>   | As of Dec 2018                   |                            |                     | <b>Choice of Contact:</b>  |             |
| <b>Contam. Facility:</b> |                                  |                            |                     | <b>Co Admin:</b>   |             |
| <b>MHSW Facility:</b>    |                                  |                            |                     | <b>Phone No Admin:</b>   |             |
| <b>SIC Code:</b>         |                                  |                            |                     |  |             |
| <b>SIC Description:</b>  |                                  |                            |                     |  |             |
| <b><u>Detail(s)</u></b>  |                                  |                            |                     |  |             |

| <b>Map Key</b>           | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b>                   | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|--------------------------|--------------------------|--|--------------------------|-------------|-----------|
| <b>Waste Class:</b>      |                          | 145 I  |                          |             |           |
| <b>Waste Class Desc:</b> |                          | Wastes from the use of pigments, coatings and paints |                          |             |           |
| <b>Waste Class:</b>      |                          | 148 C  |                          |             |           |
| <b>Waste Class Desc:</b> |                          | Misc. wastes and inorganic chemicals                 |                          |             |           |
| <b>Waste Class:</b>      |                          | 148 I  |                          |             |           |
| <b>Waste Class Desc:</b> |                          | Misc. wastes and inorganic chemicals                 |                          |             |           |
| <b>Waste Class:</b>      |                          | 148 L  |                          |             |           |
| <b>Waste Class Desc:</b> |                          | Misc. wastes and inorganic chemicals                 |                          |             |           |
| <b>Waste Class:</b>      |                          | 263 A  |                          |             |           |
| <b>Waste Class Desc:</b> |                          | Misc. waste organic chemicals                        |                          |             |           |
| <b>Waste Class:</b>      |                          | 263 I  |                          |             |           |
| <b>Waste Class Desc:</b> |                          | Misc. waste organic chemicals                        |                          |             |           |
| <b>Waste Class:</b>      |                          | 263 L  |                          |             |           |
| <b>Waste Class Desc:</b> |                          | Misc. waste organic chemicals                        |                          |             |           |
| <b>Waste Class:</b>      |                          | 331 I  |                          |             |           |
| <b>Waste Class Desc:</b> |                          | Waste compressed gases including cylinders           |                          |             |           |

[22](#)      6 of 6      **ESE/124.3**      **70.9 / -0.08**      **Ottawa Catholic District School Board  
20 Graham Street  
Ottawa ON K1S0B7**      **GEN**

|                          |                |                           |        |
|--------------------------|----------------|---------------------------|--------|
| <b>Generator No:</b>     | ON3653326      | <b>PO Box No:</b>         |        |
| <b>Status:</b>           | Registered     | <b>Country:</b>           | Canada |
| <b>Approval Years:</b>   | As of Mar 2019 | <b>Choice of Contact:</b> |        |
| <b>Contam. Facility:</b> |                | <b>Co Admin:</b>          |        |
| <b>MHSW Facility:</b>    |                | <b>Phone No Admin:</b>    |        |
| <b>SIC Code:</b>         |                |                           |        |
| <b>SIC Description:</b>  |                |                           |        |

**Detail(s)**

|                          |  |
|--------------------------|--|
| <b>Waste Class:</b>      | 263 A  |
| <b>Waste Class Desc:</b> | Misc. waste organic chemicals                        |
| <b>Waste Class:</b>      | 331 I  |
| <b>Waste Class Desc:</b> | Waste compressed gases including cylinders           |
| <b>Waste Class:</b>      | 263 I  |
| <b>Waste Class Desc:</b> | Misc. waste organic chemicals                        |
| <b>Waste Class:</b>      | 148 I  |
| <b>Waste Class Desc:</b> | Misc. wastes and inorganic chemicals                 |
| <b>Waste Class:</b>      | 145 I  |
| <b>Waste Class Desc:</b> | Wastes from the use of pigments, coatings and paints |
| <b>Waste Class:</b>      | 148 L  |
| <b>Waste Class Desc:</b> | Misc. wastes and inorganic chemicals                 |
| <b>Waste Class:</b>      | 263 L  |
| <b>Waste Class Desc:</b> | Misc. waste organic chemicals                        |
| <b>Waste Class:</b>      | 148 C  |
| <b>Waste Class Desc:</b> | Misc. wastes and inorganic chemicals                 |

| Map Key                  | Number of Records                | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site   | DB  |
|--------------------------|----------------------------------|----------------------------|------------------|--|-----|
| <a href="#">23</a>       | 1 of 5                           | ESE/124.3                  | 70.9 / -0.08     | Ottawa Catholic District School Board<br>20 Graham Street<br>Ottawa ON K1S 0B7 | GEN |
| <b>Generator No:</b>     | ON3653326                        |                            |                  | <b>PO Box No:</b>  |     |
| <b>Status:</b>           |                                  |                            |                  | <b>Country:</b>  |     |
| <b>Approval Years:</b>   | 07,08                            |                            |                  | <b>Choice of Contact:</b>  |     |
| <b>Contam. Facility:</b> |                                  |                            |                  | <b>Co Admin:</b>   |     |
| <b>MHSW Facility:</b>    |                                  |                            |                  | <b>Phone No Admin:</b>   |     |
| <b>SIC Code:</b>         | 611110                           |                            |                  |  |     |
| <b>SIC Description:</b>  | Elementary and Secondary Schools |                            |                  |  |     |
| <b><u>Detail(s)</u></b>  |                                  |                            |                  |  |     |
| <b>Waste Class:</b>      | 148                              |                            |                  |  |     |
| <b>Waste Class Desc:</b> | INORGANIC LABORATORY CHEMICALS   |                            |                  |  |     |
| <b>Waste Class:</b>      | 263                              |                            |                  |  |     |
| <b>Waste Class Desc:</b> | ORGANIC LABORATORY CHEMICALS     |                            |                  |  |     |
| <b>Waste Class:</b>      | 331                              |                            |                  |  |     |
| <b>Waste Class Desc:</b> | WASTE COMPRESSED GASES           |                            |                  |  |     |
| <b>Waste Class:</b>      | 145                              |                            |                  |  |     |
| <b>Waste Class Desc:</b> | PAINT/PIGMENT/COATING RESIDUES   |                            |                  |  |     |
| <a href="#">23</a>       | 2 of 5                           | ESE/124.3                  | 70.9 / -0.08     | Ottawa Catholic District School Board<br>20 Graham Street<br>Ottawa ON K1S 0B7 | GEN |
| <b>Generator No:</b>     | ON3653326                        |                            |                  | <b>PO Box No:</b>  |     |
| <b>Status:</b>           |                                  |                            |                  | <b>Country:</b>  |     |
| <b>Approval Years:</b>   | 2009                             |                            |                  | <b>Choice of Contact:</b>  |     |
| <b>Contam. Facility:</b> |                                  |                            |                  | <b>Co Admin:</b>   |     |
| <b>MHSW Facility:</b>    |                                  |                            |                  | <b>Phone No Admin:</b>   |     |
| <b>SIC Code:</b>         | 611110                           |                            |                  |  |     |
| <b>SIC Description:</b>  | Elementary and Secondary Schools |                            |                  |  |     |
| <b><u>Detail(s)</u></b>  |                                  |                            |                  |  |     |
| <b>Waste Class:</b>      | 263                              |                            |                  |  |     |
| <b>Waste Class Desc:</b> | ORGANIC LABORATORY CHEMICALS     |                            |                  |  |     |
| <b>Waste Class:</b>      | 145                              |                            |                  |  |     |
| <b>Waste Class Desc:</b> | PAINT/PIGMENT/COATING RESIDUES   |                            |                  |  |     |
| <b>Waste Class:</b>      | 148                              |                            |                  |  |     |
| <b>Waste Class Desc:</b> | INORGANIC LABORATORY CHEMICALS   |                            |                  |  |     |
| <b>Waste Class:</b>      | 331                              |                            |                  |  |     |
| <b>Waste Class Desc:</b> | WASTE COMPRESSED GASES           |                            |                  |  |     |
| <a href="#">23</a>       | 3 of 5                           | ESE/124.3                  | 70.9 / -0.08     | Ottawa Catholic District School Board<br>20 Graham Street<br>Ottawa ON K1S 0B7 | GEN |
| <b>Generator No:</b>     | ON3653326                        |                            |                  | <b>PO Box No:</b>  |     |
| <b>Status:</b>           |                                  |                            |                  | <b>Country:</b>  |     |
| <b>Approval Years:</b>   | 2010                             |                            |                  | <b>Choice of Contact:</b>  |     |
| <b>Contam. Facility:</b> |                                  |                            |                  | <b>Co Admin:</b>   |     |
| <b>MHSW Facility:</b>    |                                  |                            |                  | <b>Phone No Admin:</b>   |     |
| <b>SIC Code:</b>         | 611110                           |                            |                  |  |     |
| <b>SIC Description:</b>  | Elementary and Secondary Schools |                            |                  |  |     |

| Map Key                  | Number of Records | Direction/<br>Distance (m)     | Elev/Diff<br>(m) | Site | DB |
|--------------------------|-------------------|--------------------------------|------------------|------|----|
| <b><u>Detail(s)</u></b>  |                   |                                |                  |      |    |
| <b>Waste Class:</b>      |                   | 145                            |                  |      |    |
| <b>Waste Class Desc:</b> |                   | PAINT/PIGMENT/COATING RESIDUES |                  |      |    |
| <b>Waste Class:</b>      |                   | 263                            |                  |      |    |
| <b>Waste Class Desc:</b> |                   | ORGANIC LABORATORY CHEMICALS   |                  |      |    |
| <b>Waste Class:</b>      |                   | 331                            |                  |      |    |
| <b>Waste Class Desc:</b> |                   | WASTE COMPRESSED GASES         |                  |      |    |
| <b>Waste Class:</b>      |                   | 148                            |                  |      |    |
| <b>Waste Class Desc:</b> |                   | INORGANIC LABORATORY CHEMICALS |                  |      |    |

|                           |                                  |                  |                     |   |            |
|---------------------------|----------------------------------|------------------|---------------------|---|------------|
| <a href="#"><u>23</u></a> | 4 of 5                           | <b>ESE/124.3</b> | <b>70.9 / -0.08</b> | <b>Ottawa Catholic District School Board<br/>20 Graham Street<br/>Ottawa ON K1S 0B7</b> | <b>GEN</b> |
| <b>Generator No:</b>      | ON3653326                        |                  |                     | <b>PO Box No:</b>   |            |
| <b>Status:</b>            |                                  |                  |                     | <b>Country:</b>   |            |
| <b>Approval Years:</b>    | 2011                             |                  |                     | <b>Choice of Contact:</b>   |            |
| <b>Contam. Facility:</b>  |                                  |                  |                     | <b>Co Admin:</b>  |            |
| <b>MHSW Facility:</b>     |                                  |                  |                     | <b>Phone No Admin:</b>  |            |
| <b>SIC Code:</b>          | 611110                           |                  |                     |   |            |
| <b>SIC Description:</b>   | Elementary and Secondary Schools |                  |                     |   |            |

|                          |  |                                |  |  |  |
|--------------------------|--|--------------------------------|--|--|--|
| <b><u>Detail(s)</u></b>  |  |                                |  |  |  |
| <b>Waste Class:</b>      |  | 331                            |  |  |  |
| <b>Waste Class Desc:</b> |  | WASTE COMPRESSED GASES         |  |  |  |
| <b>Waste Class:</b>      |  | 263                            |  |  |  |
| <b>Waste Class Desc:</b> |  | ORGANIC LABORATORY CHEMICALS   |  |  |  |
| <b>Waste Class:</b>      |  | 145                            |  |  |  |
| <b>Waste Class Desc:</b> |  | PAINT/PIGMENT/COATING RESIDUES |  |  |  |
| <b>Waste Class:</b>      |  | 148                            |  |  |  |
| <b>Waste Class Desc:</b> |  | INORGANIC LABORATORY CHEMICALS |  |  |  |

|                           |                                  |                  |                     |   |            |
|---------------------------|----------------------------------|------------------|---------------------|---|------------|
| <a href="#"><u>23</u></a> | 5 of 5                           | <b>ESE/124.3</b> | <b>70.9 / -0.08</b> | <b>Ottawa Catholic District School Board<br/>20 Graham Street<br/>Ottawa ON K1S 0B7</b> | <b>GEN</b> |
| <b>Generator No:</b>      | ON3653326                        |                  |                     | <b>PO Box No:</b>   |            |
| <b>Status:</b>            |                                  |                  |                     | <b>Country:</b>   |            |
| <b>Approval Years:</b>    | 2012                             |                  |                     | <b>Choice of Contact:</b>   |            |
| <b>Contam. Facility:</b>  |                                  |                  |                     | <b>Co Admin:</b>  |            |
| <b>MHSW Facility:</b>     |                                  |                  |                     | <b>Phone No Admin:</b>  |            |
| <b>SIC Code:</b>          | 611110                           |                  |                     |   |            |
| <b>SIC Description:</b>   | Elementary and Secondary Schools |                  |                     |   |            |

|                          |  |                              |  |  |  |
|--------------------------|--|------------------------------|--|--|--|
| <b><u>Detail(s)</u></b>  |  |                              |  |  |  |
| <b>Waste Class:</b>      |  | 331                          |  |  |  |
| <b>Waste Class Desc:</b> |  | WASTE COMPRESSED GASES       |  |  |  |
| <b>Waste Class:</b>      |  | 263                          |  |  |  |
| <b>Waste Class Desc:</b> |  | ORGANIC LABORATORY CHEMICALS |  |  |  |
| <b>Waste Class:</b>      |  | 145                          |  |  |  |

| Map Key                  | Number of Records | Direction/<br>Distance (m)     | Elev/Diff<br>(m) | Site | DB |
|--------------------------|-------------------|--------------------------------|------------------|------|----|
| <b>Waste Class Desc:</b> |                   | PAINT/PIGMENT/COATING RESIDUES |                  |      |    |
| <b>Waste Class:</b>      |                   | 148                            |                  |      |    |
| <b>Waste Class Desc:</b> |                   | INORGANIC LABORATORY CHEMICALS |                  |      |    |

|                            |                                       |           |               |                           |                  |
|----------------------------|---------------------------------------|-----------|---------------|---------------------------|------------------|
| <a href="#">24</a>         | 1 of 1                                | WNW/125.0 | 59.6 / -11.40 | ON                        | BORE             |
| <b>Borehole ID:</b>        | 847437                                |           |               | <b>Inclin FLG:</b>        | No               |
| <b>OGF ID:</b>             | 215589095                             |           |               | <b>SP Status:</b>         | Initial Entry    |
| <b>Status:</b>             | Decommissioned                        |           |               | <b>Surv Elev:</b>         | No               |
| <b>Type:</b>               | Borehole                              |           |               | <b>Piezometer:</b>        | No               |
| <b>Use:</b>                | Geotechnical/Geological Investigation |           |               | <b>Primary Name:</b>      |                  |
| <b>Completion Date:</b>    | 22-MAR-1961                           |           |               | <b>Municipality:</b>      |                  |
| <b>Static Water Level:</b> |                                       |           |               | <b>Lot:</b>               | LOT F            |
| <b>Primary Water Use:</b>  |                                       |           |               | <b>Township:</b>          | NEPEAN           |
| <b>Sec. Water Use:</b>     |                                       |           |               | <b>Latitude DD:</b>       | 45.412504        |
| <b>Total Depth m:</b>      | 35.8                                  |           |               | <b>Longitude DD:</b>      | -75.683215       |
| <b>Depth Ref:</b>          | Ground Surface                        |           |               | <b>UTM Zone:</b>          | 18               |
| <b>Depth Elev:</b>         |                                       |           |               | <b>Easting:</b>           | 446540           |
| <b>Drill Method:</b>       | Diamond Drill                         |           |               | <b>Northing:</b>          | 5029003          |
| <b>Orig Ground Elev m:</b> | 63.2                                  |           |               | <b>Location Accuracy:</b> |                  |
| <b>Elev Reliabil Note:</b> |                                       |           |               | <b>Accuracy:</b>          | Within 10 metres |
| <b>DEM Ground Elev m:</b>  | 65.5                                  |           |               |                           |                  |
| <b>Concession:</b>         | BROKEN FRONT C                        |           |               |                           |                  |
| <b>Location D:</b>         |                                       |           |               |                           |                  |
| <b>Survey D:</b>           |                                       |           |               |                           |                  |
| <b>Comments:</b>           |                                       |           |               |                           |                  |

#### Borehole Geology Stratam

|                                  |  |  |  |                            |       |
|----------------------------------|--|--|--|----------------------------|-------|
| <b>Geology Stratam ID:</b>       | 6557517  |  |  | <b>Mat Consistency:</b>    | Stiff |
| <b>Top Depth:</b>                | 2.6  |  |  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 5.7  |  |  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey   |  |  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay   |  |  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt   |  |  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |  |  |  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |  |  |  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |  |  |  |                            |       |
| <b>Stratum Description:</b>      | STIFF GREY CLAY SOME SILT **Note: Many records provided by the department have a truncated [Stratum Description] field.                            |  |  |                            |       |
| <b>Geology Stratam ID:</b>       | 6557519  |  |  | <b>Mat Consistency:</b>    | Loose |
| <b>Top Depth:</b>                | 17.2   |  |  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 27.8   |  |  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey   |  |  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Silt   |  |  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Fine Sand  |  |  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               | Clay   |  |  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |  |  |  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |  |  |  |                            |       |
| <b>Stratum Description:</b>      | LOOSE TO COMPACT GREY SILT SOME FINE SAND TRACE CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field. |  |  |                            |       |
| <b>Geology Stratam ID:</b>       | 6557518  |  |  | <b>Mat Consistency:</b>    | Stiff |
| <b>Top Depth:</b>                | 5.7  |  |  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 17.2   |  |  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey   |  |  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay   |  |  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt   |  |  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               | Fine Sand  |  |  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               | Shells   |  |  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |  |  |  |                            |       |

| Map Key  | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                       | DB         |
|--|-------------------|----------------------------|------------------|----------------------------|------------|
| <b>Stratum Description:</b> STIFF GREY SILTY CLAY TRACE OF FINE SAND OCCASIONAL SHELLS AND POCKETS OF CLACK ORGANIC MATERIAL **Note: Many records provided by the department have a truncated [Stratum Description] field. |                   |                            |                  |                            |            |
| <b>Geology Stratum ID:</b>   | 6557520           |                            |                  | <b>Mat Consistency:</b>    | Dense      |
| <b>Top Depth:</b>  | 27.8              |                            |                  | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>   | 31.7              |                            |                  | <b>Material Texture:</b>   |            |
| <b>Material Color:</b>   | Grey-Brown        |                            |                  | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>   | Sand              |                            |                  | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>   | Gravel            |                            |                  | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>   |                   |                            |                  | <b>Geologic Period:</b>    |            |
| <b>Material 4:</b>   |                   |                            |                  | <b>Depositional Gen:</b>   |            |
| <b>Gsc Material Description:</b>   |                   |                            |                  |                            |            |
| <b>Stratum Description:</b> DENSE GREY BROWN SAND TRACE GRAVEL **Note: Many records provided by the department have a truncated [Stratum Description] field.   |                   |                            |                  |                            |            |
| <b>Geology Stratum ID:</b>   | 6557522           |                            |                  | <b>Mat Consistency:</b>    |            |
| <b>Top Depth:</b>  | 32.8              |                            |                  | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>   | 35.8              |                            |                  | <b>Material Texture:</b>   |            |
| <b>Material Color:</b>   | Dark              |                            |                  | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>   | Bedrock           |                            |                  | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>   | Shale             |                            |                  | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>   |                   |                            |                  | <b>Geologic Period:</b>    |            |
| <b>Material 4:</b>   |                   |                            |                  | <b>Depositional Gen:</b>   |            |
| <b>Gsc Material Description:</b>   |                   |                            |                  |                            |            |
| <b>Stratum Description:</b> DARK GREY SHALE BEDROCK **Note: Many records provided by the department have a truncated [Stratum Description] field.  |                   |                            |                  |                            |            |
| <b>Geology Stratum ID:</b>   | 6557516           |                            |                  | <b>Mat Consistency:</b>    | Loose      |
| <b>Top Depth:</b>  | 0                 |                            |                  | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>   | 2.6               |                            |                  | <b>Material Texture:</b>   |            |
| <b>Material Color:</b>   | Brown             |                            |                  | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>   | Sand              |                            |                  | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>   | Silt              |                            |                  | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>   | Gravel            |                            |                  | <b>Geologic Period:</b>    |            |
| <b>Material 4:</b>   |                   |                            |                  | <b>Depositional Gen:</b>   |            |
| <b>Gsc Material Description:</b>   |                   |                            |                  |                            |            |
| <b>Stratum Description:</b> LOOSE BROWN SILTY SAND TRACE GRAVEL **Note: Many records provided by the department have a truncated [Stratum Description] field.  |                   |                            |                  |                            |            |
| <b>Geology Stratum ID:</b>   | 6557521           |                            |                  | <b>Mat Consistency:</b>    | Very Dense |
| <b>Top Depth:</b>  | 31.7              |                            |                  | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>   | 32.8              |                            |                  | <b>Material Texture:</b>   |            |
| <b>Material Color:</b>   | Brown             |                            |                  | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>   | Till              |                            |                  | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>   | Sand              |                            |                  | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>   |                   |                            |                  | <b>Geologic Period:</b>    |            |
| <b>Material 4:</b>   |                   |                            |                  | <b>Depositional Gen:</b>   |            |
| <b>Gsc Material Description:</b>   |                   |                            |                  |                            |            |
| <b>Stratum Description:</b> VERY DENSE BROWN SANDY TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.  |                   |                            |                  |                            |            |

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|                             |                          |                           |                  |
|-----------------------------|--------------------------|---------------------------|------------------|
| <b>Well ID:</b>             | 7235380                  | <b>Data Entry Status:</b> |                  |
| <b>Construction Date:</b>   |                          | <b>Data Src:</b>          |                  |
| <b>Primary Water Use:</b>   | Monitoring and Test Hole | <b>Date Received:</b>     | 1/12/2015        |
| <b>Sec. Water Use:</b>      | 0                        | <b>Selected Flag:</b>     | Yes              |
| <b>Final Well Status:</b>   | Monitoring and Test Hole | <b>Abandonment Rec:</b>   |                  |
| <b>Water Type:</b>          |                          | <b>Contractor:</b>        | 7241             |
| <b>Casing Material:</b>     |                          | <b>Form Version:</b>      | 7                |
| <b>Audit No:</b>            | Z198170                  | <b>Owner:</b>             |                  |
| <b>Tag:</b>                 | A173878                  | <b>Street Name:</b>       | 31 GRAHAM AVENUE |
| <b>Construction Method:</b> |                          | <b>County:</b>            | OTTAWA-CARLETON  |



| Map Key                | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site             | DB              |
|------------------------|-------------------|----------------------------|------------------|------------------|-----------------|
| Elevation (m):         |                   |                            |                  | Municipality:    | NEPEAN TOWNSHIP |
| 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:                | 1005279674 | Elevation:       | 68.763526                      |
| DP2BR:                       |            | Elevrc:          |                                |
| Spatial Status:              |            | Zone:            | 18                             |
| Code OB:                     |            | East83:          | 446781                         |
| Code OB Desc:                |            | North83:         | 5028953                        |
| Open Hole:                   |            | Org CS:          | UTM83                          |
| Cluster Kind:                |            | UTMRC:           | 4                              |
| Date Completed:              | 12/5/2014  | UTMRC Desc:      | margin of error : 30 m - 100 m |
| Remarks:                     |            | Location Method: | wwr                            |
| Elevrc Desc:                 |            |                  |                                |
| Location Source Date:        |            |                  |                                |
| Improvement Location Source: |            |                  |                                |
| Improvement Location Method: |            |                  |                                |
| Source Revision Comment:     |            |                  |                                |
| Supplier Comment:            |            |                  |                                |

**Overburden and Bedrock**

**Materials Interval**

|                          |            |
|--------------------------|------------|
| Formation ID:            | 1005479912 |
| Layer:                   | 3          |
| Color:                   | 6          |
| General Color:           | BROWN      |
| Mat1:                    | 05         |
| Most Common Material:    | CLAY       |
| Mat2:                    | 06         |
| Other Materials:         | SILT       |
| Mat3:                    | 85         |
| Other Materials:         | SOFT       |
| Formation Top Depth:     | 2.13       |
| Formation End Depth:     | 3.66       |
| Formation End Depth UOM: | m          |

**Overburden and Bedrock**

**Materials Interval**

|                          |            |
|--------------------------|------------|
| Formation ID:            | 1005479913 |
| Layer:                   | 4          |
| Color:                   | 2          |
| General Color:           | GREY       |
| Mat1:                    | 05         |
| Most Common Material:    | CLAY       |
| Mat2:                    |            |
| Other Materials:         |            |
| Mat3:                    | 85         |
| Other Materials:         | SOFT       |
| Formation Top Depth:     | 3.66       |
| Formation End Depth:     | 6.1        |
| Formation End Depth UOM: | m          |

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 1005479910                         |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Color:</b>   |                          | 8                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | BLACK                              |                          |             |           |
| <b>Mat1:</b>  |                          | 02                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | TOPSOIL                            |                          |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |
| <b>Other Materials:</b>                                     |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SOFT                               |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 0                                  |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 0.61                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 1005479911                         |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Color:</b>   |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>  |                          | 08                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | FINE SAND                          |                          |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |
| <b>Other Materials:</b>                                     |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SOFT                               |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 0.61                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 2.13                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1005479923                         |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 2.74                               |                          |             |           |
| <b>Plug To:</b>   |                          | 6.1                                |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1005479921                         |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 0                                  |                          |             |           |
| <b>Plug To:</b>   |                          | 0.31                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1005479922                         |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 0.31                               |                          |             |           |
| <b>Plug To:</b>   |                          | 2.74                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | m                                  |                          |             |           |

| Map Key   | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---|-------------------|----------------------------|------------------|------|----|
| <b><u>Method of Construction &amp; Well Use</u></b> |                   |                            |                  |      |    |
| <b>Method Construction ID:</b>                      |                   |                            |                  |      |    |
| <b>Method Construction Code:</b>                    |                   | D                          |                  |      |    |
| <b>Method Construction:</b>                         |                   | Direct Push                |                  |      |    |
| <b>Other Method Construction:</b>                   |                   |                            |                  |      |    |
| <b><u>Pipe Information</u></b>                      |                   |                            |                  |      |    |
| <b>Pipe ID:</b>                                     |                   | 1005479909                 |                  |      |    |
| <b>Casing No:</b>                                   |                   | 0                          |                  |      |    |
| <b>Comment:</b>                                     |                   |                            |                  |      |    |
| <b>Alt Name:</b>                                    |                   |                            |                  |      |    |
| <b><u>Construction Record - Casing</u></b>          |                   |                            |                  |      |    |
| <b>Casing ID:</b>                                   |                   | 1005479916                 |                  |      |    |
| <b>Layer:</b>                                       |                   | 1                          |                  |      |    |
| <b>Material:</b>                                    |                   | 5                          |                  |      |    |
| <b>Open Hole or Material:</b>                       |                   | PLASTIC                    |                  |      |    |
| <b>Depth From:</b>                                  |                   | 0                          |                  |      |    |
| <b>Depth To:</b>                                    |                   | 3.1                        |                  |      |    |
| <b>Casing Diameter:</b>                             |                   | 4.03                       |                  |      |    |
| <b>Casing Diameter UOM:</b>                         |                   | cm                         |                  |      |    |
| <b>Casing Depth UOM:</b>                            |                   | m                          |                  |      |    |
| <b><u>Construction Record - Screen</u></b>          |                   |                            |                  |      |    |
| <b>Screen ID:</b>                                   |                   | 1005479917                 |                  |      |    |
| <b>Layer:</b>                                       |                   | 1                          |                  |      |    |
| <b>Slot:</b>  |                   | 10                         |                  |      |    |
| <b>Screen Top Depth:</b>                            |                   | 3.1                        |                  |      |    |
| <b>Screen End Depth:</b>                            |                   | 6.1                        |                  |      |    |
| <b>Screen Material:</b>                             |                   | 5                          |                  |      |    |
| <b>Screen Depth UOM:</b>                            |                   | m                          |                  |      |    |
| <b>Screen Diameter UOM:</b>                         |                   | cm                         |                  |      |    |
| <b>Screen Diameter:</b>                             |                   | 4.82                       |                  |      |    |
| <b><u>Hole Diameter</u></b>                         |                   |                            |                  |      |    |
| <b>Hole ID:</b>                                     |                   | 1005479914                 |                  |      |    |
| <b>Diameter:</b>                                    |                   | 8.25                       |                  |      |    |
| <b>Depth From:</b>                                  |                   | 0                          |                  |      |    |
| <b>Depth To:</b>                                    |                   | 6.1                        |                  |      |    |
| <b>Hole Depth UOM:</b>                              |                   | m                          |                  |      |    |
| <b>Hole Diameter UOM:</b>                           |                   | cm                         |                  |      |    |

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E/130.7

70.9 / -0.05

OTTAWA ON

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**Well ID:** 7266159  
**Construction Date:**  
**Primary Water Use:** Monitoring  
**Sec. Water Use:**  
**Final Well Status:** Abandoned-Other  
**Water Type:**  
**Casing Material:**  
**Audit No:** Z170943  
**Tag:** A173878  
**Construction Method:**  
**Elevation (m):**

**Data Entry Status:**  
**Data Src:**  
**Date Received:** 7/8/2016  
**Selected Flag:** Yes  
**Abandonment Rec:** Yes  
**Contractor:** 7477  
**Form Version:** 7  
**Owner:**  
**Street Name:** 31 GRAHAM AVENUE  
**County:** OTTAWA-CARLETON  
**Municipality:** NEPEAN TOWNSHIP

| Map Key   | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site  | DB |
|---|-------------------|----------------------------|------------------|---|----|
| <b>Elevation Reliability:</b><br><b>Depth to Bedrock:</b><br><b>Well Depth:</b><br><b>Overburden/Bedrock:</b><br><b>Pump Rate:</b><br><b>Static Water Level:</b><br><b>Flowing (Y/N):</b><br><b>Flow Rate:</b><br><b>Clear/Cloudy:</b>  |                   |                            |                  | <b>Site Info:</b><br><b>Lot:</b><br><b>Concession:</b><br><b>Concession Name:</b><br><b>Easting NAD83:</b><br><b>Northing NAD83:</b><br><b>Zone:</b><br><b>UTM Reliability:</b>   |    |
| <b><u>Bore Hole Information</u></b>   |                   |                            |                  |   |    |
| <b>Bore Hole ID:</b> 1006121233<br><b>DP2BR:</b><br><b>Spatial Status:</b><br><b>Code OB:</b><br><b>Code OB Desc:</b><br><b>Open Hole:</b><br><b>Cluster Kind:</b><br><b>Date Completed:</b> 6/28/2016<br><b>Remarks:</b><br><b>Elevrc Desc:</b><br><b>Location Source Date:</b><br><b>Improvement Location Source:</b><br><b>Improvement Location Method:</b><br><b>Source Revision Comment:</b><br><b>Supplier Comment:</b> |                   |                            |                  | <b>Elevation:</b> 68.763526<br><b>Elevrc:</b><br><b>Zone:</b> 18<br><b>East83:</b> 446781<br><b>North83:</b> 5028953<br><b>Org CS:</b> UTM83<br><b>UTMRC:</b> 4<br><b>UTMRC Desc:</b> margin of error : 30 m - 100 m<br><b>Location Method:</b> wwr |    |
| <b><u>Annular Space/Abandonment Sealing Record</u></b>  |                   |                            |                  |   |    |
| <b>Plug ID:</b> 1006134446<br><b>Layer:</b> 2<br><b>Plug From:</b> 0<br><b>Plug To:</b> 0.25<br><b>Plug Depth UOM:</b> ft   |                   |                            |                  |   |    |
| <b><u>Annular Space/Abandonment Sealing Record</u></b>  |                   |                            |                  |   |    |
| <b>Plug ID:</b> 1006134445<br><b>Layer:</b> 1<br><b>Plug From:</b> 0.25<br><b>Plug To:</b> 6.1<br><b>Plug Depth UOM:</b> ft   |                   |                            |                  |   |    |
| <b><u>Method of Construction &amp; Well Use</u></b>   |                   |                            |                  |   |    |
| <b>Method Construction ID:</b><br><b>Method Construction Code:</b> 9<br><b>Method Construction:</b> Driving<br><b>Other Method Construction:</b>  |                   |                            |                  |   |    |
| <b><u>Pipe Information</u></b>  |                   |                            |                  |   |    |
| <b>Pipe ID:</b> 1006134437<br><b>Casing No:</b> 0<br><b>Comment:</b><br><b>Alt Name:</b>  |                   |                            |                  |   |    |

| Map Key                                    | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m)    | Site  | DB          |
|--|---|----------------------------|---------------------|---|-------------|
| <b><u>Construction Record - Casing</u></b> |   |                            |                     |   |             |
| Casing ID:                                 |   | 1006134441                 |                     |   |             |
| Layer:                                     |   | 1                          |                     |   |             |
| Material:                                  |   |                            |                     |   |             |
| Open Hole or Material:                     |   |                            |                     |   |             |
| Depth From:                                |   |                            |                     |   |             |
| Depth To:                                  |   |                            |                     |   |             |
| Casing Diameter:                           |   | 4.03                       |                     |   |             |
| Casing Diameter UOM:                       |   | inch                       |                     |   |             |
| Casing Depth UOM:                          |   | ft                         |                     |   |             |
| <b><u>Construction Record - Screen</u></b> |   |                            |                     |   |             |
| Screen ID:                                 |   | 1006134442                 |                     |   |             |
| Layer:                                     |   | 1                          |                     |   |             |
| Slot:                                      |   | 10                         |                     |   |             |
| Screen Top Depth:                          |   | 3.1                        |                     |   |             |
| Screen End Depth:                          |   | 6.1                        |                     |   |             |
| Screen Material:                           |   | 5                          |                     |   |             |
| Screen Depth UOM:                          |   | ft                         |                     |   |             |
| Screen Diameter UOM:                       |   | inch                       |                     |   |             |
| Screen Diameter:                           |   | 4.82                       |                     |   |             |
| <b><u>Water Details</u></b>                |   |                            |                     |   |             |
| Water ID:                                  |   | 1006134440                 |                     |   |             |
| Layer:                                     |   | 1                          |                     |   |             |
| Kind Code:                                 |   | 8                          |                     |   |             |
| Kind:                                      |   | Untested                   |                     |   |             |
| Water Found Depth:                         |   | 4                          |                     |   |             |
| Water Found Depth UOM:                     |   | ft                         |                     |   |             |
| <b><u>Hole Diameter</u></b>                |   |                            |                     |   |             |
| Hole ID:                                   |   | 1006134439                 |                     |   |             |
| Diameter:                                  |   | 8.25                       |                     |   |             |
| Depth From:                                |   | 0                          |                     |   |             |
| Depth To:                                  |   | 6.1                        |                     |   |             |
| Hole Depth UOM:                            |   | ft                         |                     |   |             |
| Hole Diameter UOM:                         |   | inch                       |                     |   |             |
| <b><u>26</u></b>                           | <b>1 of 1</b>   | <b>NNW/137.1</b>           | <b>66.5 / -4.44</b> | <b>Claridge Homes (Crown Point) Inc.<br/>145-165 Echo Drive<br/>Ottawa ON K1M 0G6</b> | <b>ECA</b>  |
| Approval No:                               | 3464-4LJGVF   |                            |                     | MOE District:   | Ottawa      |
| Approval Date:                             | 2000-06-23  |                            |                     | City:   |             |
| Status:                                    | Approved  |                            |                     | Longitude:  | -75.682175  |
| Record Type:                               | ECA   |                            |                     | Latitude:   | 45.413197   |
| Link Source:                               | IDS   |                            |                     | Geometry X:   |             |
| SWP Area Name:                             | Rideau Valley   |                            |                     | Geometry Y:   |             |
| Approval Type:                             | ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  |                            |                     |   |             |
| Project Type:                              | MUNICIPAL AND PRIVATE SEWAGE WORKS  |                            |                     |   |             |
| Address:                                   | 145-165 Echo Drive  |                            |                     |   |             |
| Full Address:                              |   |                            |                     |   |             |
| Full PDF Link:                             | <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/4325-4LBMHR-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/4325-4LBMHR-14.pdf</a> |                            |                     |   |             |
| <b><u>27</u></b>                           | <b>1 of 2</b>   | <b>E/139.1</b>             | <b>70.9 / -0.05</b> | <b>Ottawa ON</b>  | <b>WWIS</b> |

| Map Key                       | Number of Records        | Direction/ Distance (m) | Elev/Diff (m) | Site                      | DB               |
|-------------------------------|--------------------------|-------------------------|---------------|---------------------------|------------------|
| <b>Well ID:</b>               | 7235382                  |                         |               | <b>Data Entry Status:</b> |                  |
| <b>Construction Date:</b>     |                          |                         |               | <b>Data Src:</b>          |                  |
| <b>Primary Water Use:</b>     | Monitoring and Test Hole |                         |               | <b>Date Received:</b>     | 1/12/2015        |
| <b>Sec. Water Use:</b>        | 0                        |                         |               | <b>Selected Flag:</b>     | Yes              |
| <b>Final Well Status:</b>     | Monitoring and Test Hole |                         |               | <b>Abandonment Rec:</b>   |                  |
| <b>Water Type:</b>            |                          |                         |               | <b>Contractor:</b>        | 7241             |
| <b>Casing Material:</b>       |                          |                         |               | <b>Form Version:</b>      | 7                |
| <b>Audit No:</b>              | Z198169                  |                         |               | <b>Owner:</b>             |                  |
| <b>Tag:</b>                   | A173876                  |                         |               | <b>Street Name:</b>       | 31 GRAHAM AVENUE |
| <b>Construction Method:</b>   |                          |                         |               | <b>County:</b>            | OTTAWA-CARLETON  |
| <b>Elevation (m):</b>         |                          |                         |               | <b>Municipality:</b>      | NEPEAN TOWNSHIP  |
| <b>Elevation Reliability:</b> |                          |                         |               | <b>Site Info:</b>         |                  |
| <b>Depth to Bedrock:</b>      |                          |                         |               | <b>Lot:</b>               |                  |
| <b>Well Depth:</b>            |                          |                         |               | <b>Concession:</b>        |                  |
| <b>Overburden/Bedrock:</b>    |                          |                         |               | <b>Concession Name:</b>   |                  |
| <b>Pump Rate:</b>             |                          |                         |               | <b>Easting NAD83:</b>     |                  |
| <b>Static Water Level:</b>    |                          |                         |               | <b>Northing NAD83:</b>    |                  |
| <b>Flowing (Y/N):</b>         |                          |                         |               | <b>Zone:</b>              |                  |
| <b>Flow Rate:</b>             |                          |                         |               | <b>UTM Reliability:</b>   |                  |
| <b>Clear/Cloudy:</b>          |                          |                         |               |                           |                  |

### Bore Hole Information

|                                     |            |                         |                                |
|-------------------------------------|------------|-------------------------|--------------------------------|
| <b>Bore Hole ID:</b>                | 1005279680 | <b>Elevation:</b>       | 68.851448                      |
| <b>DP2BR:</b>                       |            | <b>Elevrc:</b>          |                                |
| <b>Spatial Status:</b>              |            | <b>Zone:</b>            | 18                             |
| <b>Code OB:</b>                     |            | <b>East83:</b>          | 446788                         |
| <b>Code OB Desc:</b>                |            | <b>North83:</b>         | 5028966                        |
| <b>Open Hole:</b>                   |            | <b>Org CS:</b>          | UTM83                          |
| <b>Cluster Kind:</b>                |            | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>              | 12/5/2014  | <b>UTMRC Desc:</b>      | margin of error : 30 m - 100 m |
| <b>Remarks:</b>                     |            | <b>Location Method:</b> | wwr                            |
| <b>Elevrc Desc:</b>                 |            |                         |                                |
| <b>Location Source Date:</b>        |            |                         |                                |
| <b>Improvement Location Source:</b> |            |                         |                                |
| <b>Improvement Location Method:</b> |            |                         |                                |
| <b>Source Revision Comment:</b>     |            |                         |                                |
| <b>Supplier Comment:</b>            |            |                         |                                |

### Overburden and Bedrock

#### Materials Interval

|                                 |            |
|---------------------------------|------------|
| <b>Formation ID:</b>            | 1005479955 |
| <b>Layer:</b>                   | 4          |
| <b>Color:</b>                   | 2          |
| <b>General Color:</b>           | GREY       |
| <b>Mat1:</b>                    | 05         |
| <b>Most Common Material:</b>    | CLAY       |
| <b>Mat2:</b>                    |            |
| <b>Other Materials:</b>         |            |
| <b>Mat3:</b>                    | 85         |
| <b>Other Materials:</b>         | SOFT       |
| <b>Formation Top Depth:</b>     | 3.1        |
| <b>Formation End Depth:</b>     | 6.1        |
| <b>Formation End Depth UOM:</b> | m          |

### Overburden and Bedrock

#### Materials Interval

|                       |            |
|-----------------------|------------|
| <b>Formation ID:</b>  | 1005479954 |
| <b>Layer:</b>         | 3          |
| <b>Color:</b>         | 6          |
| <b>General Color:</b> | BROWN      |

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Mat1:</b>  |                          | 05                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | CLAY                               |                          |             |           |
| <b>Mat2:</b>  |                          | 06                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SILT                               |                          |             |           |
| <b>Mat3:</b>  |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SOFT                               |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 2.13                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 3.1                                |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 1005479952                         |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Color:</b>   |                          | 8                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | BLACK                              |                          |             |           |
| <b>Mat1:</b>  |                          | 02                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | TOPSOIL                            |                          |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |
| <b>Other Materials:</b>                                     |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          | 77                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | LOOSE                              |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 0                                  |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 0.31                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 1005479953                         |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Color:</b>   |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>  |                          | 08                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | FINE SAND                          |                          |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |
| <b>Other Materials:</b>                                     |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SOFT                               |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 0.31                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 2.13                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1005479964                         |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 0.31                               |                          |             |           |
| <b>Plug To:</b>   |                          | 2.74                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1005479965                         |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 2.74                               |                          |             |           |
| <b>Plug To:</b>   |                          | 6.1                                |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | m                                  |                          |             |           |

| Map Key  | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|--|-------------------|----------------------------|------------------|------|----|
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                   |                            |                  |      |    |
| <b>Plug ID:</b>  |                   | 1005479963                 |                  |      |    |
| <b>Layer:</b>  |                   | 1                          |                  |      |    |
| <b>Plug From:</b>                                      |                   | 0                          |                  |      |    |
| <b>Plug To:</b>  |                   | 0.31                       |                  |      |    |
| <b>Plug Depth UOM:</b>                                 |                   | m                          |                  |      |    |
| <b><u>Method of Construction &amp; Well Use</u></b>    |                   |                            |                  |      |    |
| <b>Method Construction ID:</b>                         |                   |                            |                  |      |    |
| <b>Method Construction Code:</b>                       |                   | D                          |                  |      |    |
| <b>Method Construction:</b>                            |                   | Direct Push                |                  |      |    |
| <b>Other Method Construction:</b>                      |                   |                            |                  |      |    |
| <b><u>Pipe Information</u></b>                         |                   |                            |                  |      |    |
| <b>Pipe ID:</b>  |                   | 1005479951                 |                  |      |    |
| <b>Casing No:</b>                                      |                   | 0                          |                  |      |    |
| <b>Comment:</b>  |                   |                            |                  |      |    |
| <b>Alt Name:</b>                                       |                   |                            |                  |      |    |
| <b><u>Construction Record - Casing</u></b>             |                   |                            |                  |      |    |
| <b>Casing ID:</b>                                      |                   | 1005479958                 |                  |      |    |
| <b>Layer:</b>  |                   | 1                          |                  |      |    |
| <b>Material:</b>                                       |                   | 5                          |                  |      |    |
| <b>Open Hole or Material:</b>                          |                   | PLASTIC                    |                  |      |    |
| <b>Depth From:</b>                                     |                   | 0                          |                  |      |    |
| <b>Depth To:</b>                                       |                   | 3.1                        |                  |      |    |
| <b>Casing Diameter:</b>                                |                   | 4.03                       |                  |      |    |
| <b>Casing Diameter UOM:</b>                            |                   | cm                         |                  |      |    |
| <b>Casing Depth UOM:</b>                               |                   | m                          |                  |      |    |
| <b><u>Construction Record - Screen</u></b>             |                   |                            |                  |      |    |
| <b>Screen ID:</b>                                      |                   | 1005479959                 |                  |      |    |
| <b>Layer:</b>  |                   | 1                          |                  |      |    |
| <b>Slot:</b>   |                   | 10                         |                  |      |    |
| <b>Screen Top Depth:</b>                               |                   | 3.1                        |                  |      |    |
| <b>Screen End Depth:</b>                               |                   | 6.1                        |                  |      |    |
| <b>Screen Material:</b>                                |                   | 5                          |                  |      |    |
| <b>Screen Depth UOM:</b>                               |                   | m                          |                  |      |    |
| <b>Screen Diameter UOM:</b>                            |                   | cm                         |                  |      |    |
| <b>Screen Diameter:</b>                                |                   | 4.82                       |                  |      |    |
| <b><u>Hole Diameter</u></b>                            |                   |                            |                  |      |    |
| <b>Hole ID:</b>  |                   | 1005479956                 |                  |      |    |
| <b>Diameter:</b>                                       |                   | 8.25                       |                  |      |    |
| <b>Depth From:</b>                                     |                   | 0                          |                  |      |    |
| <b>Depth To:</b>                                       |                   | 6.1                        |                  |      |    |
| <b>Hole Depth UOM:</b>                                 |                   | m                          |                  |      |    |
| <b>Hole Diameter UOM:</b>                              |                   | cm                         |                  |      |    |

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E/139.1

70.9 / -0.05

OTTAWA ON

WWIS

Well ID:

7266157

Data Entry Status:



| Map Key  | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                    | DB                             |
|--|-------------------|----------------------------|------------------|-------------------------|--------------------------------|
| <b>Construction Date:</b>                              |                   |                            |                  | <b>Data Src:</b>        |                                |
| <b>Primary Water Use:</b>                              | Monitoring        |                            |                  | <b>Date Received:</b>   | 7/8/2016                       |
| <b>Sec. Water Use:</b>                                 |                   |                            |                  | <b>Selected Flag:</b>   | Yes                            |
| <b>Final Well Status:</b>                              | Abandoned-Other   |                            |                  | <b>Abandonment Rec:</b> | Yes                            |
| <b>Water Type:</b>                                     |                   |                            |                  | <b>Contractor:</b>      | 7477                           |
| <b>Casing Material:</b>                                |                   |                            |                  | <b>Form Version:</b>    | 7                              |
| <b>Audit No:</b>                                       | Z170944           |                            |                  | <b>Owner:</b>           |                                |
| <b>Tag:</b>  | A173876           |                            |                  | <b>Street Name:</b>     | 31 LARKIN AVENUE               |
| <b>Construction Method:</b>                            |                   |                            |                  | <b>County:</b>          | OTTAWA-CARLETON                |
| <b>Elevation (m):</b>                                  |                   |                            |                  | <b>Municipality:</b>    | NEPEAN TOWNSHIP                |
| <b>Elevation Reliability:</b>                          |                   |                            |                  | <b>Site Info:</b>       |                                |
| <b>Depth to Bedrock:</b>                               |                   |                            |                  | <b>Lot:</b>             |                                |
| <b>Well Depth:</b>                                     |                   |                            |                  | <b>Concession:</b>      |                                |
| <b>Overburden/Bedrock:</b>                             |                   |                            |                  | <b>Concession Name:</b> |                                |
| <b>Pump Rate:</b>                                      |                   |                            |                  | <b>Easting NAD83:</b>   |                                |
| <b>Static Water Level:</b>                             |                   |                            |                  | <b>Northing NAD83:</b>  |                                |
| <b>Flowing (Y/N):</b>                                  |                   |                            |                  | <b>Zone:</b>            |                                |
| <b>Flow Rate:</b>                                      |                   |                            |                  | <b>UTM Reliability:</b> |                                |
| <b>Clear/Cloudy:</b>                                   |                   |                            |                  |                         |                                |
| <b><u>Bore Hole Information</u></b>                    |                   |                            |                  |                         |                                |
| <b>Bore Hole ID:</b>                                   | 1006120701        |                            |                  | <b>Elevation:</b>       | 68.851448                      |
| <b>DP2BR:</b>  |                   |                            |                  | <b>Elevrc:</b>          |                                |
| <b>Spatial Status:</b>                                 |                   |                            |                  | <b>Zone:</b>            | 18                             |
| <b>Code OB:</b>  |                   |                            |                  | <b>East83:</b>          | 446788                         |
| <b>Code OB Desc:</b>                                   |                   |                            |                  | <b>North83:</b>         | 5028966                        |
| <b>Open Hole:</b>                                      |                   |                            |                  | <b>Org CS:</b>          | UTM83                          |
| <b>Cluster Kind:</b>                                   |                   |                            |                  | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>                                 | 6/28/2016         |                            |                  | <b>UTMRC Desc:</b>      | margin of error : 30 m - 100 m |
| <b>Remarks:</b>  |                   |                            |                  | <b>Location Method:</b> | wwr                            |
| <b>Elevrc Desc:</b>                                    |                   |                            |                  |                         |                                |
| <b>Location Source Date:</b>                           |                   |                            |                  |                         |                                |
| <b>Improvement Location Source:</b>                    |                   |                            |                  |                         |                                |
| <b>Improvement Location Method:</b>                    |                   |                            |                  |                         |                                |
| <b>Source Revision Comment:</b>                        |                   |                            |                  |                         |                                |
| <b>Supplier Comment:</b>                               |                   |                            |                  |                         |                                |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                   |                            |                  |                         |                                |
| <b>Plug ID:</b>  | 1006134425        |                            |                  |                         |                                |
| <b>Layer:</b>  | 1                 |                            |                  |                         |                                |
| <b>Plug From:</b>                                      | 0.25              |                            |                  |                         |                                |
| <b>Plug To:</b>  | 6.1               |                            |                  |                         |                                |
| <b>Plug Depth UOM:</b>                                 | ft                |                            |                  |                         |                                |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                   |                            |                  |                         |                                |
| <b>Plug ID:</b>  | 1006134426        |                            |                  |                         |                                |
| <b>Layer:</b>  | 2                 |                            |                  |                         |                                |
| <b>Plug From:</b>                                      | 0                 |                            |                  |                         |                                |
| <b>Plug To:</b>  | 0.25              |                            |                  |                         |                                |
| <b>Plug Depth UOM:</b>                                 | ft                |                            |                  |                         |                                |
| <b><u>Method of Construction &amp; Well Use</u></b>    |                   |                            |                  |                         |                                |
| <b>Method Construction ID:</b>                         |                   |                            |                  |                         |                                |
| <b>Method Construction Code:</b>                       | 9                 |                            |                  |                         |                                |
| <b>Method Construction:</b>                            | Driving           |                            |                  |                         |                                |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 1006134417  
**Casing No:** 0  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 1006134421  
**Layer:** 1  
**Material:**  
**Open Hole or Material:**  
**Depth From:**  
**Depth To:**  
**Casing Diameter:** 4.03  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Screen**

**Screen ID:** 1006134422  
**Layer:** 1  
**Slot:** 10  
**Screen Top Depth:** 3.1  
**Screen End Depth:** 6.1  
**Screen Material:** 5  
**Screen Depth UOM:** ft  
**Screen Diameter UOM:** inch  
**Screen Diameter:** 4.82

**Water Details**

**Water ID:** 1006134420  
**Layer:** 1  
**Kind Code:** 8  
**Kind:** Untested  
**Water Found Depth:** 4  
**Water Found Depth UOM:** ft

**Hole Diameter**

**Hole ID:** 1006134419  
**Diameter:** 8.25  
**Depth From:** 0  
**Depth To:** 6.1  
**Hole Depth UOM:** ft  
**Hole Diameter UOM:** inch

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**Well ID:** 7155881  
**Construction Date:**  
**Primary Water Use:** Monitoring and Test Hole  
**Sec. Water Use:** 0  
**Final Well Status:** Monitoring and Test Hole  
**Water Type:**  
**Casing Material:**

**Data Entry Status:**  
**Data Src:**  
**Date Received:** 12/8/2010  
**Selected Flag:** Yes  
**Abandonment Rec:**  
**Contractor:** 7241  
**Form Version:** 7

| Map Key                       | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                    | DB              |
|-------------------------------|-------------------|----------------------------|------------------|-------------------------|-----------------|
| <b>Audit No:</b>              | Z120941           |                            |                  | <b>Owner:</b>           |                 |
| <b>Tag:</b>                   | A104501           |                            |                  | <b>Street Name:</b>     | COLONEL BAY DR. |
| <b>Construction Method:</b>   |                   |                            |                  | <b>County:</b>          | OTTAWA-CARLETON |
| <b>Elevation (m):</b>         |                   |                            |                  | <b>Municipality:</b>    | OTTAWA CITY     |
| <b>Elevation Reliability:</b> |                   |                            |                  | <b>Site Info:</b>       |                 |
| <b>Depth to Bedrock:</b>      |                   |                            |                  | <b>Lot:</b>             |                 |
| <b>Well Depth:</b>            |                   |                            |                  | <b>Concession:</b>      |                 |
| <b>Overburden/Bedrock:</b>    |                   |                            |                  | <b>Concession Name:</b> |                 |
| <b>Pump Rate:</b>             |                   |                            |                  | <b>Easting NAD83:</b>   |                 |
| <b>Static Water Level:</b>    |                   |                            |                  | <b>Northing NAD83:</b>  |                 |
| <b>Flowing (Y/N):</b>         |                   |                            |                  | <b>Zone:</b>            |                 |
| <b>Flow Rate:</b>             |                   |                            |                  | <b>UTM Reliability:</b> |                 |
| <b>Clear/Cloudy:</b>          |                   |                            |                  |                         |                 |

**Bore Hole Information**

|                                     |            |                         |                             |
|-------------------------------------|------------|-------------------------|-----------------------------|
| <b>Bore Hole ID:</b>                | 1003433870 | <b>Elevation:</b>       | 64.759948                   |
| <b>DP2BR:</b>                       |            | <b>Elevrc:</b>          |                             |
| <b>Spatial Status:</b>              |            | <b>Zone:</b>            | 18                          |
| <b>Code OB:</b>                     |            | <b>East83:</b>          | 446553                      |
| <b>Code OB Desc:</b>                |            | <b>North83:</b>         | 5029046                     |
| <b>Open Hole:</b>                   |            | <b>Org CS:</b>          | UTM83                       |
| <b>Cluster Kind:</b>                |            | <b>UTMRC:</b>           | 3                           |
| <b>Date Completed:</b>              | 10/14/2010 | <b>UTMRC Desc:</b>      | margin of error : 10 - 30 m |
| <b>Remarks:</b>                     |            | <b>Location Method:</b> | wwr                         |
| <b>Elevrc Desc:</b>                 |            |                         |                             |
| <b>Location Source Date:</b>        |            |                         |                             |
| <b>Improvement Location Source:</b> |            |                         |                             |
| <b>Improvement Location Method:</b> |            |                         |                             |
| <b>Source Revision Comment:</b>     |            |                         |                             |
| <b>Supplier Comment:</b>            |            |                         |                             |

**Overburden and Bedrock  
Materials Interval**

|                                 |            |
|---------------------------------|------------|
| <b>Formation ID:</b>            | 1003638403 |
| <b>Layer:</b>                   | 3          |
| <b>Color:</b>                   | 2          |
| <b>General Color:</b>           | GREY       |
| <b>Mat1:</b>                    | 05         |
| <b>Most Common Material:</b>    | CLAY       |
| <b>Mat2:</b>                    | 28         |
| <b>Other Materials:</b>         | SAND       |
| <b>Mat3:</b>                    | 73         |
| <b>Other Materials:</b>         | HARD       |
| <b>Formation Top Depth:</b>     | 3.35       |
| <b>Formation End Depth:</b>     | 6.1        |
| <b>Formation End Depth UOM:</b> | m          |

**Overburden and Bedrock  
Materials Interval**

|                              |               |
|------------------------------|---------------|
| <b>Formation ID:</b>         | 1003638402    |
| <b>Layer:</b>                | 2             |
| <b>Color:</b>                | 6             |
| <b>General Color:</b>        | BROWN         |
| <b>Mat1:</b>                 | 28            |
| <b>Most Common Material:</b> | SAND          |
| <b>Mat2:</b>                 | 85            |
| <b>Other Materials:</b>      | SOFT          |
| <b>Mat3:</b>                 | 91            |
| <b>Other Materials:</b>      | WATER-BEARING |
| <b>Formation Top Depth:</b>  | 3.1           |

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Formation End Depth:</b>                                 |                          | 3.35                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 1003638401                         |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Color:</b>   |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>  |                          | 28                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | SAND                               |                          |             |           |
| <b>Mat2:</b>  |                          | 68                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | DRY                                |                          |             |           |
| <b>Mat3:</b>  |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SOFT                               |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 0                                  |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 3.1                                |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1003638406                         |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 0.31                               |                          |             |           |
| <b>Plug To:</b>   |                          | 2.74                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1003638407                         |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 2.74                               |                          |             |           |
| <b>Plug To:</b>   |                          | 6.1                                |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1003638405                         |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 0                                  |                          |             |           |
| <b>Plug To:</b>   |                          | 0.31                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | m                                  |                          |             |           |
| <b><u>Method of Construction &amp; Well<br/>Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                              |                          |                                    |                          |             |           |
| <b>Method Construction Code:</b>                            |                          | B                                  |                          |             |           |
| <b>Method Construction:</b>                                 |                          | Other Method                       |                          |             |           |
| <b>Other Method Construction:</b>                           |                          | DIRECT PUSH                        |                          |             |           |
| <b><u>Pipe Information</u></b>                              |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>   |                          | 1003638400                         |                          |             |           |
| <b>Casing No:</b>   |                          | 0                                  |                          |             |           |
| <b>Comment:</b>   |                          |                                    |                          |             |           |
| <b>Alt Name:</b>  |                          |                                    |                          |             |           |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

**Construction Record - Casing**

Casing ID: 1003638409  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From: 0  
 Depth To: 3.1  
 Casing Diameter: 4.03  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

**Construction Record - Screen**

Screen ID: 1003638410  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 3.1  
 Screen End Depth: 6.1  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.82

**Hole Diameter**

Hole ID: 1003638404  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 6.1  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

|                    |        |           |              |                          |      |
|--------------------|--------|-----------|--------------|--------------------------|------|
| <a href="#">29</a> | 1 of 1 | ENE/143.5 | 70.2 / -0.78 | lot G con C<br>OTTAWA ON | WWIS |
|--------------------|--------|-----------|--------------|--------------------------|------|

|                              |                                       |
|------------------------------|---------------------------------------|
| Well ID: 7293162             | Data Entry Status:                    |
| Construction Date:           | Data Src:                             |
| Primary Water Use: Test Hole | Date Received: 8/18/2017              |
| Sec. Water Use: Monitoring   | Selected Flag: Yes                    |
| Final Well Status: Test Hole | Abandonment Rec:                      |
| Water Type:                  | Contractor: 7241                      |
| Casing Material:             | Form Version: 7                       |
| Audit No: Z258459            | Owner:                                |
| Tag: A189809                 | Street Name: HAWTHRONE RD. & MAIN ST. |
| Construction Method:         | County: OTTAWA-CARLETON               |
| Elevation (m):               | Municipality: NEPEAN TOWNSHIP         |
| Elevation Reliability:       | Site Info:                            |
| Depth to Bedrock:            | Lot: G                                |
| Well Depth:                  | Concession: C                         |
| 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: 1006714799      Elevation: 68.96479  
 DP2BR:      Elevrc:

| Map Key                             | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m)   | Site                    | DB                             |
|-------------------------------------|-------------------|----------------------------|--------------------|-------------------------|--------------------------------|
| <b>Spatial Status:</b>              |                   |                            |                    | <b>Zone:</b>            | 18                             |
| <b>Code OB:</b>                     |                   |                            |                    | <b>East83:</b>          | 446768                         |
| <b>Code OB Desc:</b>                |                   |                            |                    | <b>North83:</b>         | 5029027                        |
| <b>Open Hole:</b>                   |                   |                            |                    | <b>Org CS:</b>          | UTM83                          |
| <b>Cluster Kind:</b>                |                   |                            |                    | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>              |                   | 6/22/2017                  | <b>UTMRC Desc:</b> |                         | margin of error : 30 m - 100 m |
| <b>Remarks:</b>                     |                   |                            |                    | <b>Location Method:</b> | wwr                            |
| <b>Elevrc Desc:</b>                 |                   |                            |                    |                         |                                |
| <b>Location Source Date:</b>        |                   |                            |                    |                         |                                |
| <b>Improvement Location Source:</b> |                   |                            |                    |                         |                                |
| <b>Improvement Location Method:</b> |                   |                            |                    |                         |                                |
| <b>Source Revision Comment:</b>     |                   |                            |                    |                         |                                |
| <b>Supplier Comment:</b>            |                   |                            |                    |                         |                                |

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 1006854826  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 06  
**Most Common Material:** SILT  
**Mat2:** 11  
**Other Materials:** GRAVEL  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 1.52  
**Formation End Depth:** 3.1  
**Formation End Depth UOM:** m

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 1006854827  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Other Materials:**  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 3.1  
**Formation End Depth:** 6.1  
**Formation End Depth UOM:** m

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 1006854825  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:** 11  
**Other Materials:** GRAVEL  
**Mat3:** 77  
**Other Materials:** LOOSE  
**Formation Top Depth:** 0  
**Formation End Depth:** 1.52

| <b>Map Key</b>   | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|--|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Formation End Depth UOM:</b>                        |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                                    |                          |             |           |
| <b>Plug ID:</b>  |                          | 1006854835                         |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>                                      |                          | 0                                  |                          |             |           |
| <b>Plug To:</b>  |                          | 0.31                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                                    |                          |             |           |
| <b>Plug ID:</b>  |                          | 1006854837                         |                          |             |           |
| <b>Layer:</b>  |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>                                      |                          | 2.74                               |                          |             |           |
| <b>Plug To:</b>  |                          | 6.1                                |                          |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                                    |                          |             |           |
| <b>Plug ID:</b>  |                          | 1006854836                         |                          |             |           |
| <b>Layer:</b>  |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>                                      |                          | 0.31                               |                          |             |           |
| <b>Plug To:</b>  |                          | 2.74                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | m                                  |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>    |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                         |                          |                                    |                          |             |           |
| <b>Method Construction Code:</b>                       |                          | 2                                  |                          |             |           |
| <b>Method Construction:</b>                            |                          | Rotary (Convent.)                  |                          |             |           |
| <b>Other Method Construction:</b>                      |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                         |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>  |                          | 1006854824                         |                          |             |           |
| <b>Casing No:</b>                                      |                          | 0                                  |                          |             |           |
| <b>Comment:</b>  |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                       |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>             |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                      |                          | 1006854830                         |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                       |                          | 5                                  |                          |             |           |
| <b>Open Hole or Material:</b>                          |                          | PLASTIC                            |                          |             |           |
| <b>Depth From:</b>                                     |                          | 0                                  |                          |             |           |
| <b>Depth To:</b>                                       |                          | 3.1                                |                          |             |           |
| <b>Casing Diameter:</b>                                |                          | 5.2                                |                          |             |           |
| <b>Casing Diameter UOM:</b>                            |                          | cm                                 |                          |             |           |
| <b>Casing Depth UOM:</b>                               |                          | m                                  |                          |             |           |
| <b><u>Construction Record - Screen</u></b>             |                          |                                    |                          |             |           |
| <b>Screen ID:</b>                                      |                          | 1006854831                         |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |



| Map Key                     | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|-----------------------------|-------------------|----------------------------|------------------|------|----|
| Slot:                       |                   | 10                         |                  |      |    |
| Screen Top Depth:           |                   | 3.1                        |                  |      |    |
| Screen End Depth:           |                   | 6.1                        |                  |      |    |
| Screen Material:            |                   | 5                          |                  |      |    |
| Screen Depth UOM:           |                   | m                          |                  |      |    |
| Screen Diameter UOM:        |                   | cm                         |                  |      |    |
| Screen Diameter:            |                   | 6.03                       |                  |      |    |
| <b><u>Hole Diameter</u></b> |                   |                            |                  |      |    |
| Hole ID:                    |                   | 1006854828                 |                  |      |    |
| Diameter:                   |                   | 20.23                      |                  |      |    |
| Depth From:                 |                   | 0                          |                  |      |    |
| Depth To:                   |                   | 6.1                        |                  |      |    |
| Hole Depth UOM:             |                   | m                          |                  |      |    |
| Hole Diameter UOM:          |                   | cm                         |                  |      |    |

| <u>30</u>                  | 1 of 1                                | NNE/145.1 | 68.5 / -2.44 | ON                        | BORE             |
|----------------------------|---------------------------------------|-----------|--------------|---------------------------|------------------|
| <b>Borehole ID:</b>        | 847599                                |           |              | <b>Inclin FLG:</b>        | No               |
| <b>OGF ID:</b>             | 215589256                             |           |              | <b>SP Status:</b>         | Initial Entry    |
| <b>Status:</b>             | Decommissioned                        |           |              | <b>Surv Elev:</b>         | No               |
| <b>Type:</b>               | Borehole                              |           |              | <b>Piezometer:</b>        | No               |
| <b>Use:</b>                | Geotechnical/Geological Investigation |           |              | <b>Primary Name:</b>      |                  |
| <b>Completion Date:</b>    | 22-NOV-1961                           |           |              | <b>Municipality:</b>      |                  |
| <b>Static Water Level:</b> | 1.1                                   |           |              | <b>Lot:</b>               | LOT F            |
| <b>Primary Water Use:</b>  |                                       |           |              | <b>Township:</b>          | NEPEAN           |
| <b>Sec. Water Use:</b>     |                                       |           |              | <b>Latitude DD:</b>       | 45.413236        |
| <b>Total Depth m:</b>      | 10.1                                  |           |              | <b>Longitude DD:</b>      | -75.681256       |
| <b>Depth Ref:</b>          | Ground Surface                        |           |              | <b>UTM Zone:</b>          | 18               |
| <b>Depth Elev:</b>         |                                       |           |              | <b>Easting:</b>           | 446694           |
| <b>Drill Method:</b>       | Diamond Drill                         |           |              | <b>Northing:</b>          | 5029083          |
| <b>Orig Ground Elev m:</b> | 67.3                                  |           |              | <b>Location Accuracy:</b> |                  |
| <b>Elev Reliabil Note:</b> |                                       |           |              | <b>Accuracy:</b>          | Within 10 metres |
| <b>DEM Ground Elev m:</b>  | 71.7                                  |           |              |                           |                  |
| <b>Concession:</b>         | BROKEN FRONT C                        |           |              |                           |                  |
| <b>Location D:</b>         |                                       |           |              |                           |                  |
| <b>Survey D:</b>           |                                       |           |              |                           |                  |
| <b>Comments:</b>           |                                       |           |              |                           |                  |

**Borehole Geology Stratum**

|                                  |  |  |  |                            |       |
|----------------------------------|--|--|--|----------------------------|-------|
| <b>Geology Stratum ID:</b>       | 6558147  |  |  | <b>Mat Consistency:</b>    | Loose |
| <b>Top Depth:</b>                | 0  |  |  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | .8   |  |  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Dark   |  |  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Fill   |  |  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Sand   |  |  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               | Cinders  |  |  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |  |  |  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |  |  |  |                            |       |
| <b>Stratum Description:</b>      | LOOSE DARK BROWN SAND AND CINDERS FILL **Note: Many records provided by the department have a truncated [Stratum Description] field. |  |  |                            |       |
| <b>Geology Stratum ID:</b>       | 6558148  |  |  | <b>Mat Consistency:</b>    | Loose |
| <b>Top Depth:</b>                | .8   |  |  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 1.6  |  |  | <b>Material Texture:</b>   | Fine  |
| <b>Material Color:</b>           | Brown  |  |  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Sand   |  |  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt   |  |  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |  |  |  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |  |  |  | <b>Depositional Gen:</b>   |       |

| Map Key                          | Number of Records | Direction/<br>Distance (m)   | Elev/Diff<br>(m) | Site                       | DB    |
|----------------------------------|-------------------|--|------------------|----------------------------|-------|
| <b>Gsc Material Description:</b> |                   |  |                  |                            |       |
| <b>Stratum Description:</b>      |                   | LOOSE TO COMPACT BROWN FINE TO MEDIUM SAND SOME SILT **Note: Many records provided by the department have a truncated [Stratum Description] field. |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 6558150           |  |                  | <b>Mat Consistency:</b>    | Stiff |
| <b>Top Depth:</b>                | 8.2               |  |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 10.1              |  |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey              |  |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay              |  |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt              |  |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               | Fine Sand         |  |                  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                   |  |                  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                   |  |                  |                            |       |
| <b>Stratum Description:</b>      |                   | STIFF GREY SILTY CLAY TRACE FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.                |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 6558149           |  |                  | <b>Mat Consistency:</b>    | Stiff |
| <b>Top Depth:</b>                | 1.6               |  |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 8.2               |  |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey-Brown        |  |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay              |  |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt              |  |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |                   |  |                  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                   |  |                  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                   |  |                  |                            |       |
| <b>Stratum Description:</b>      |                   | STIFF GREY BROWN TO GREY CLAY SOME SILT **Note: Many records provided by the department have a truncated [Stratum Description] field.              |                  |                            |       |

|                               |            |           |              |                           |                                |
|-------------------------------|------------|-----------|--------------|---------------------------|--------------------------------|
| <a href="#">31</a>            | 1 of 1     | NNW/150.7 | 65.2 / -5.81 | lot F con C<br>Ottawa ON  | WWIS                           |
| <b>Well ID:</b>               | 7293178    |           |              | <b>Data Entry Status:</b> |                                |
| <b>Construction Date:</b>     |            |           |              | <b>Data Src:</b>          |                                |
| <b>Primary Water Use:</b>     | Test Hole  |           |              | <b>Date Received:</b>     | 8/18/2017                      |
| <b>Sec. Water Use:</b>        | Monitoring |           |              | <b>Selected Flag:</b>     | Yes                            |
| <b>Final Well Status:</b>     | Test Hole  |           |              | <b>Abandonment Rec:</b>   |                                |
| <b>Water Type:</b>            |            |           |              | <b>Contractor:</b>        | 7241                           |
| <b>Casing Material:</b>       |            |           |              | <b>Form Version:</b>      | 7                              |
| <b>Audit No:</b>              | Z258230    |           |              | <b>Owner:</b>             |                                |
| <b>Tag:</b>                   | A192332    |           |              | <b>Street Name:</b>       | HARVEY AVE.                    |
| <b>Construction Method:</b>   |            |           |              | <b>County:</b>            | OTTAWA-CARLETON                |
| <b>Elevation (m):</b>         |            |           |              | <b>Municipality:</b>      | NEPEAN TOWNSHIP                |
| <b>Elevation Reliability:</b> |            |           |              | <b>Site Info:</b>         |                                |
| <b>Depth to Bedrock:</b>      |            |           |              | <b>Lot:</b>               | F                              |
| <b>Well Depth:</b>            |            |           |              | <b>Concession:</b>        | C                              |
| <b>Overburden/Bedrock:</b>    |            |           |              | <b>Concession Name:</b>   |                                |
| <b>Pump Rate:</b>             |            |           |              | <b>Easting NAD83:</b>     |                                |
| <b>Static Water Level:</b>    |            |           |              | <b>Northing NAD83:</b>    |                                |
| <b>Flowing (Y/N):</b>         |            |           |              | <b>Zone:</b>              |                                |
| <b>Flow Rate:</b>             |            |           |              | <b>UTM Reliability:</b>   |                                |
| <b>Clear/Cloudy:</b>          |            |           |              |                           |                                |
| <b>Bore Hole Information</b>  |            |           |              |                           |                                |
| <b>Bore Hole ID:</b>          | 1006714847 |           |              | <b>Elevation:</b>         | 67.70565                       |
| <b>DP2BR:</b>                 |            |           |              | <b>Elevrc:</b>            |                                |
| <b>Spatial Status:</b>        |            |           |              | <b>Zone:</b>              | 18                             |
| <b>Code OB:</b>               |            |           |              | <b>East83:</b>            | 446604                         |
| <b>Code OB Desc:</b>          |            |           |              | <b>North83:</b>           | 5029088                        |
| <b>Open Hole:</b>             |            |           |              | <b>Org CS:</b>            | UTM83                          |
| <b>Cluster Kind:</b>          |            |           |              | <b>UTMRC:</b>             | 4                              |
| <b>Date Completed:</b>        | 6/6/2017   |           |              | <b>UTMRC Desc:</b>        | margin of error : 30 m - 100 m |
| <b>Remarks:</b>               |            |           |              | <b>Location Method:</b>   | wwr                            |
| <b>Elevrc Desc:</b>           |            |           |              |                           |                                |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

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

Overburden and Bedrock  
Materials Interval

Formation ID: 1006855081  
 Layer: 3  
 Color: 2  
 General Color: GREY  
 Mat1: 05  
 Most Common Material: CLAY  
 Mat2: 06  
 Other Materials: SILT  
 Mat3: 85  
 Other Materials: SOFT  
 Formation Top Depth: 6  
 Formation End Depth: 15  
 Formation End Depth UOM: ft

Overburden and Bedrock  
Materials Interval

Formation ID: 1006855079  
 Layer: 1  
 Color: 6  
 General Color: BROWN  
 Mat1: 01  
 Most Common Material: FILL  
 Mat2: 28  
 Other Materials: SAND  
 Mat3: 11  
 Other Materials: GRAVEL  
 Formation Top Depth: 0  
 Formation End Depth: 4  
 Formation End Depth UOM: ft

Overburden and Bedrock  
Materials Interval

Formation ID: 1006855080  
 Layer: 2  
 Color: 2  
 General Color: GREY  
 Mat1: 06  
 Most Common Material: SILT  
 Mat2: 05  
 Other Materials: CLAY  
 Mat3: 85  
 Other Materials: SOFT  
 Formation Top Depth: 4  
 Formation End Depth: 6  
 Formation End Depth UOM: ft

Annular Space/Abandonment  
Sealing Record

Plug ID: 1006855089  
 Layer: 1

| <b>Map Key</b>   | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|--|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Plug From:</b>                                      |                          | 0                                  |                          |             |           |
| <b>Plug To:</b>  |                          | 1                                  |                          |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | ft                                 |                          |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                                    |                          |             |           |
| <b>Plug ID:</b>  |                          | 1006855090                         |                          |             |           |
| <b>Layer:</b>  |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>                                      |                          | 1                                  |                          |             |           |
| <b>Plug To:</b>  |                          | 4                                  |                          |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | ft                                 |                          |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                                    |                          |             |           |
| <b>Plug ID:</b>  |                          | 1006855091                         |                          |             |           |
| <b>Layer:</b>  |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>                                      |                          | 4                                  |                          |             |           |
| <b>Plug To:</b>  |                          | 15                                 |                          |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>    |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                         |                          |                                    |                          |             |           |
| <b>Method Construction Code:</b>                       |                          | B                                  |                          |             |           |
| <b>Method Construction:</b>                            |                          | Other Method                       |                          |             |           |
| <b>Other Method Construction:</b>                      |                          | AUGER                              |                          |             |           |
| <b><u>Pipe Information</u></b>                         |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>  |                          | 1006855078                         |                          |             |           |
| <b>Casing No:</b>                                      |                          | 0                                  |                          |             |           |
| <b>Comment:</b>  |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                       |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>             |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                      |                          | 1006855084                         |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                       |                          | 5                                  |                          |             |           |
| <b>Open Hole or Material:</b>                          |                          | PLASTIC                            |                          |             |           |
| <b>Depth From:</b>                                     |                          | 0                                  |                          |             |           |
| <b>Depth To:</b>                                       |                          | 5                                  |                          |             |           |
| <b>Casing Diameter:</b>                                |                          | 2                                  |                          |             |           |
| <b>Casing Diameter UOM:</b>                            |                          | inch                               |                          |             |           |
| <b>Casing Depth UOM:</b>                               |                          | ft                                 |                          |             |           |
| <b><u>Construction Record - Screen</u></b>             |                          |                                    |                          |             |           |
| <b>Screen ID:</b>                                      |                          | 1006855085                         |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Slot:</b>   |                          | 10                                 |                          |             |           |
| <b>Screen Top Depth:</b>                               |                          | 5                                  |                          |             |           |
| <b>Screen End Depth:</b>                               |                          | 15                                 |                          |             |           |
| <b>Screen Material:</b>                                |                          | 5                                  |                          |             |           |
| <b>Screen Depth UOM:</b>                               |                          | ft                                 |                          |             |           |
| <b>Screen Diameter UOM:</b>                            |                          | inch                               |                          |             |           |
| <b>Screen Diameter:</b>                                |                          | 2.1                                |                          |             |           |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

**Hole Diameter**

Hole ID: 1006855082  
Diameter: 8  
Depth From: 0  
Depth To: 15  
Hole Depth UOM: ft  
Hole Diameter UOM: inch

**32**      1 of 1      **NW/156.0**      **62.6 / -8.39**      **lot F con C  
OTTAWA ON**      **WWIS**

|                               |            |                           |                  |
|-------------------------------|------------|---------------------------|------------------|
| <b>Well ID:</b>               | 7293161    | <b>Data Entry Status:</b> |                  |
| <b>Construction Date:</b>     |            | <b>Data Src:</b>          |                  |
| <b>Primary Water Use:</b>     | Test Hole  | <b>Date Received:</b>     | 8/18/2017        |
| <b>Sec. Water Use:</b>        | Monitoring | <b>Selected Flag:</b>     | Yes              |
| <b>Final Well Status:</b>     | Test Hole  | <b>Abandonment Rec:</b>   |                  |
| <b>Water Type:</b>            |            | <b>Contractor:</b>        | 7241             |
| <b>Casing Material:</b>       |            | <b>Form Version:</b>      | 7                |
| <b>Audit No:</b>              | Z258460    | <b>Owner:</b>             |                  |
| <b>Tag:</b>                   | A189820    | <b>Street Name:</b>       | COLONEL BY DRIVE |
| <b>Construction Method:</b>   |            | <b>County:</b>            | OTTAWA-CARLETON  |
| <b>Elevation (m):</b>         |            | <b>Municipality:</b>      | NEPEAN TOWNSHIP  |
| <b>Elevation Reliability:</b> |            | <b>Site Info:</b>         |                  |
| <b>Depth to Bedrock:</b>      |            | <b>Lot:</b>               | F                |
| <b>Well Depth:</b>            |            | <b>Concession:</b>        | C                |
| <b>Overburden/Bedrock:</b>    |            | <b>Concession Name:</b>   |                  |
| <b>Pump Rate:</b>             |            | <b>Easting NAD83:</b>     |                  |
| <b>Static Water Level:</b>    |            | <b>Northing NAD83:</b>    |                  |
| <b>Flowing (Y/N):</b>         |            | <b>Zone:</b>              |                  |
| <b>Flow Rate:</b>             |            | <b>UTM Reliability:</b>   |                  |
| <b>Clear/Cloudy:</b>          |            |                           |                  |

**Bore Hole Information**

|                                     |            |                         |                                |
|-------------------------------------|------------|-------------------------|--------------------------------|
| <b>Bore Hole ID:</b>                | 1006714796 | <b>Elevation:</b>       | 65.718788                      |
| <b>DP2BR:</b>                       |            | <b>Elevrc:</b>          |                                |
| <b>Spatial Status:</b>              |            | <b>Zone:</b>            | 18                             |
| <b>Code OB:</b>                     |            | <b>East83:</b>          | 446568                         |
| <b>Code OB Desc:</b>                |            | <b>North83:</b>         | 5029077                        |
| <b>Open Hole:</b>                   |            | <b>Org CS:</b>          | UTM83                          |
| <b>Cluster Kind:</b>                |            | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>              | 6/21/2017  | <b>UTMRC Desc:</b>      | margin of error : 30 m - 100 m |
| <b>Remarks:</b>                     |            | <b>Location Method:</b> | wwr                            |
| <b>Elevrc Desc:</b>                 |            |                         |                                |
| <b>Location Source Date:</b>        |            |                         |                                |
| <b>Improvement Location Source:</b> |            |                         |                                |
| <b>Improvement Location Method:</b> |            |                         |                                |
| <b>Source Revision Comment:</b>     |            |                         |                                |
| <b>Supplier Comment:</b>            |            |                         |                                |

**Overburden and Bedrock  
Materials Interval**

Formation ID: 1006854813  
Layer: 3  
Color: 6  
General Color: BROWN  
Mat1: 06  
Most Common Material: SILT  
Mat2: 28  
Other Materials: SAND

| <b>Map Key</b>                          | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Mat3:</b>                            |                          |                                    |                          |             |           |
| <b>Other Materials:</b>                 |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>             |                          | 3.66                               |                          |             |           |
| <b>Formation End Depth:</b>             |                          | 6.1                                |                          |             |           |
| <b>Formation End Depth UOM:</b>         |                          | m                                  |                          |             |           |
| <br>                                    |                          |                                    |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>    |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>        |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                    |                          | 1006854812                         |                          |             |           |
| <b>Layer:</b>                           |                          | 2                                  |                          |             |           |
| <b>Color:</b>                           |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                   |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>                            |                          | 28                                 |                          |             |           |
| <b>Most Common Material:</b>            |                          | SAND                               |                          |             |           |
| <b>Mat2:</b>                            |                          |                                    |                          |             |           |
| <b>Other Materials:</b>                 |                          |                                    |                          |             |           |
| <b>Mat3:</b>                            |                          |                                    |                          |             |           |
| <b>Other Materials:</b>                 |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>             |                          | 0.31                               |                          |             |           |
| <b>Formation End Depth:</b>             |                          | 3.66                               |                          |             |           |
| <b>Formation End Depth UOM:</b>         |                          | m                                  |                          |             |           |
| <br>                                    |                          |                                    |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>    |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>        |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                    |                          | 1006854811                         |                          |             |           |
| <b>Layer:</b>                           |                          | 1                                  |                          |             |           |
| <b>Color:</b>                           |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                   |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>                            |                          | 11                                 |                          |             |           |
| <b>Most Common Material:</b>            |                          | GRAVEL                             |                          |             |           |
| <b>Mat2:</b>                            |                          |                                    |                          |             |           |
| <b>Other Materials:</b>                 |                          |                                    |                          |             |           |
| <b>Mat3:</b>                            |                          | 77                                 |                          |             |           |
| <b>Other Materials:</b>                 |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>             |                          | 0                                  |                          |             |           |
| <b>Formation End Depth:</b>             |                          | 0.31                               |                          |             |           |
| <b>Formation End Depth UOM:</b>         |                          | m                                  |                          |             |           |
| <br>                                    |                          |                                    |                          |             |           |
| <b><u>Annular Space/Abandonment</u></b> |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>            |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                         |                          | 1006854823                         |                          |             |           |
| <b>Layer:</b>                           |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>                       |                          | 2.74                               |                          |             |           |
| <b>Plug To:</b>                         |                          | 6.1                                |                          |             |           |
| <b>Plug Depth UOM:</b>                  |                          | m                                  |                          |             |           |
| <br>                                    |                          |                                    |                          |             |           |
| <b><u>Annular Space/Abandonment</u></b> |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>            |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                         |                          | 1006854822                         |                          |             |           |
| <b>Layer:</b>                           |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>                       |                          | 0.31                               |                          |             |           |
| <b>Plug To:</b>                         |                          | 2.74                               |                          |             |           |
| <b>Plug Depth UOM:</b>                  |                          | m                                  |                          |             |           |
| <br>                                    |                          |                                    |                          |             |           |
| <b><u>Annular Space/Abandonment</u></b> |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>            |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                         |                          | 1006854821                         |                          |             |           |

| Map Key   | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---|-------------------|----------------------------|------------------|------|----|
| Layer:  | 1                 |                            |                  |      |    |
| Plug From:  | 0                 |                            |                  |      |    |
| Plug To:  | 0.31              |                            |                  |      |    |
| Plug Depth UOM:                                     | m                 |                            |                  |      |    |
| <b><u>Method of Construction &amp; Well Use</u></b> |                   |                            |                  |      |    |
| Method Construction ID:                             |                   |                            |                  |      |    |
| Method Construction Code:                           | 2                 |                            |                  |      |    |
| Method Construction:                                | Rotary (Convent.) |                            |                  |      |    |
| Other Method Construction:                          |                   |                            |                  |      |    |
| <b><u>Pipe Information</u></b>                      |                   |                            |                  |      |    |
| Pipe ID:  | 1006854810        |                            |                  |      |    |
| Casing No:  | 0                 |                            |                  |      |    |
| Comment:  |                   |                            |                  |      |    |
| Alt Name:   |                   |                            |                  |      |    |
| <b><u>Construction Record - Casing</u></b>          |                   |                            |                  |      |    |
| Casing ID:  | 1006854816        |                            |                  |      |    |
| Layer:  | 1                 |                            |                  |      |    |
| Material:   | 5                 |                            |                  |      |    |
| Open Hole or Material:                              | PLASTIC           |                            |                  |      |    |
| Depth From:   | 0                 |                            |                  |      |    |
| Depth To:   | 3.1               |                            |                  |      |    |
| Casing Diameter:                                    | 5.2               |                            |                  |      |    |
| Casing Diameter UOM:                                | cm                |                            |                  |      |    |
| Casing Depth UOM:                                   | m                 |                            |                  |      |    |
| <b><u>Construction Record - Screen</u></b>          |                   |                            |                  |      |    |
| Screen ID:  | 1006854817        |                            |                  |      |    |
| Layer:  | 1                 |                            |                  |      |    |
| Slot:   | 10                |                            |                  |      |    |
| Screen Top Depth:                                   | 3.1               |                            |                  |      |    |
| Screen End Depth:                                   | 6.1               |                            |                  |      |    |
| Screen Material:                                    | 5                 |                            |                  |      |    |
| Screen Depth UOM:                                   | m                 |                            |                  |      |    |
| Screen Diameter UOM:                                | cm                |                            |                  |      |    |
| Screen Diameter:                                    | 6.03              |                            |                  |      |    |
| <b><u>Hole Diameter</u></b>                         |                   |                            |                  |      |    |
| Hole ID:  | 1006854814        |                            |                  |      |    |
| Diameter:   | 20.23             |                            |                  |      |    |
| Depth From:   | 0                 |                            |                  |      |    |
| Depth To:   | 6.1               |                            |                  |      |    |
| Hole Depth UOM:                                     | m                 |                            |                  |      |    |
| Hole Diameter UOM:                                  | cm                |                            |                  |      |    |

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1 of 1

S/159.9

69.5 / -1.43

lot G con C  
Ottawa ON

WWIS

Well ID: 7293174  
 Construction Date:  
 Primary Water Use: Test Hole  
 Sec. Water Use: Monitoring  
 Final Well Status: Test Hole

Data Entry Status:  
 Data Src:  
 Date Received: 8/18/2017  
 Selected Flag: Yes  
 Abandonment Rec:



| Map Key                       | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site                    | DB              |
|-------------------------------|-------------------|-------------------------|---------------|-------------------------|-----------------|
| <b>Water Type:</b>            |                   |                         |               | <b>Contractor:</b>      | 7241            |
| <b>Casing Material:</b>       |                   |                         |               | <b>Form Version:</b>    | 7               |
| <b>Audit No:</b>              | Z258420           |                         |               | <b>Owner:</b>           |                 |
| <b>Tag:</b>                   | A189901           |                         |               | <b>Street Name:</b>     | ECHO DR.        |
| <b>Construction Method:</b>   |                   |                         |               | <b>County:</b>          | OTTAWA-CARLETON |
| <b>Elevation (m):</b>         |                   |                         |               | <b>Municipality:</b>    | NEPEAN TOWNSHIP |
| <b>Elevation Reliability:</b> |                   |                         |               | <b>Site Info:</b>       |                 |
| <b>Depth to Bedrock:</b>      |                   |                         |               | <b>Lot:</b>             | G               |
| <b>Well Depth:</b>            |                   |                         |               | <b>Concession:</b>      | C               |
| <b>Overburden/Bedrock:</b>    |                   |                         |               | <b>Concession Name:</b> |                 |
| <b>Pump Rate:</b>             |                   |                         |               | <b>Easting NAD83:</b>   |                 |
| <b>Static Water Level:</b>    |                   |                         |               | <b>Northing NAD83:</b>  |                 |
| <b>Flowing (Y/N):</b>         |                   |                         |               | <b>Zone:</b>            |                 |
| <b>Flow Rate:</b>             |                   |                         |               | <b>UTM Reliability:</b> |                 |
| <b>Clear/Cloudy:</b>          |                   |                         |               |                         |                 |

**Bore Hole Information**

|                                     |            |                         |                                |
|-------------------------------------|------------|-------------------------|--------------------------------|
| <b>Bore Hole ID:</b>                | 1006714835 | <b>Elevation:</b>       | 67.552314                      |
| <b>DP2BR:</b>                       |            | <b>Elevrc:</b>          |                                |
| <b>Spatial Status:</b>              |            | <b>Zone:</b>            | 18                             |
| <b>Code OB:</b>                     |            | <b>East83:</b>          | 446671                         |
| <b>Code OB Desc:</b>                |            | <b>North83:</b>         | 5028786                        |
| <b>Open Hole:</b>                   |            | <b>Org CS:</b>          | UTM83                          |
| <b>Cluster Kind:</b>                |            | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>              | 6/14/2017  | <b>UTMRC Desc:</b>      | margin of error : 30 m - 100 m |
| <b>Remarks:</b>                     |            | <b>Location Method:</b> | wwr                            |
| <b>Elevrc Desc:</b>                 |            |                         |                                |
| <b>Location Source Date:</b>        |            |                         |                                |
| <b>Improvement Location Source:</b> |            |                         |                                |
| <b>Improvement Location Method:</b> |            |                         |                                |
| <b>Source Revision Comment:</b>     |            |                         |                                |
| <b>Supplier Comment:</b>            |            |                         |                                |

**Overburden and Bedrock**

**Materials Interval**

|                                 |            |
|---------------------------------|------------|
| <b>Formation ID:</b>            | 1006855024 |
| <b>Layer:</b>                   | 3          |
| <b>Color:</b>                   | 6          |
| <b>General Color:</b>           | BROWN      |
| <b>Mat1:</b>                    | 05         |
| <b>Most Common Material:</b>    | CLAY       |
| <b>Mat2:</b>                    |            |
| <b>Other Materials:</b>         |            |
| <b>Mat3:</b>                    | 85         |
| <b>Other Materials:</b>         | SOFT       |
| <b>Formation Top Depth:</b>     | 1.83       |
| <b>Formation End Depth:</b>     | 3.66       |
| <b>Formation End Depth UOM:</b> | m          |

**Overburden and Bedrock**

**Materials Interval**

|                              |            |
|------------------------------|------------|
| <b>Formation ID:</b>         | 1006855025 |
| <b>Layer:</b>                | 4          |
| <b>Color:</b>                | 2          |
| <b>General Color:</b>        | GREY       |
| <b>Mat1:</b>                 | 05         |
| <b>Most Common Material:</b> | CLAY       |
| <b>Mat2:</b>                 |            |
| <b>Other Materials:</b>      |            |
| <b>Mat3:</b>                 | 85         |

| <b>Map Key</b>                          | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Other Materials:</b>                 |                          |                                    |                          |             |           |
| <b>Formation Top Depth:</b>             |                          |                                    | SOFT                     |             |           |
| <b>Formation End Depth:</b>             |                          |                                    | 3.66                     |             |           |
| <b>Formation End Depth UOM:</b>         |                          |                                    | 6.1                      |             |           |
|   |                          |                                    | m                        |             |           |
| <b><u>Overburden and Bedrock</u></b>    |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>        |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                    |                          |                                    |                          |             |           |
| <b>Layer:</b>                           |                          |                                    | 1006855022               |             |           |
| <b>Color:</b>                           |                          |                                    | 1                        |             |           |
| <b>General Color:</b>                   |                          |                                    | 2                        |             |           |
| <b>Mat1:</b>                            |                          |                                    | GREY                     |             |           |
| <b>Most Common Material:</b>            |                          |                                    | 11                       |             |           |
| <b>Mat2:</b>                            |                          |                                    | GRAVEL                   |             |           |
| <b>Other Materials:</b>                 |                          |                                    |                          |             |           |
| <b>Mat3:</b>                            |                          |                                    | 77                       |             |           |
| <b>Other Materials:</b>                 |                          |                                    | LOOSE                    |             |           |
| <b>Formation Top Depth:</b>             |                          |                                    | 0                        |             |           |
| <b>Formation End Depth:</b>             |                          |                                    | 0.61                     |             |           |
| <b>Formation End Depth UOM:</b>         |                          |                                    | m                        |             |           |
| <b><u>Overburden and Bedrock</u></b>    |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>        |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                    |                          |                                    |                          |             |           |
| <b>Layer:</b>                           |                          |                                    | 1006855023               |             |           |
| <b>Color:</b>                           |                          |                                    | 2                        |             |           |
| <b>General Color:</b>                   |                          |                                    | 6                        |             |           |
| <b>Mat1:</b>                            |                          |                                    | BROWN                    |             |           |
| <b>Most Common Material:</b>            |                          |                                    | 01                       |             |           |
| <b>Mat2:</b>                            |                          |                                    | FILL                     |             |           |
| <b>Other Materials:</b>                 |                          |                                    |                          |             |           |
| <b>Mat3:</b>                            |                          |                                    | 85                       |             |           |
| <b>Other Materials:</b>                 |                          |                                    | SOFT                     |             |           |
| <b>Formation Top Depth:</b>             |                          |                                    | 0.61                     |             |           |
| <b>Formation End Depth:</b>             |                          |                                    | 1.83                     |             |           |
| <b>Formation End Depth UOM:</b>         |                          |                                    | m                        |             |           |
| <b><u>Annular Space/Abandonment</u></b> |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>            |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                         |                          |                                    |                          |             |           |
| <b>Layer:</b>                           |                          |                                    | 1006855034               |             |           |
| <b>Plug From:</b>                       |                          |                                    | 2                        |             |           |
| <b>Plug To:</b>                         |                          |                                    | 0.31                     |             |           |
| <b>Plug Depth UOM:</b>                  |                          |                                    | 2.74                     |             |           |
|   |                          |                                    | m                        |             |           |
| <b><u>Annular Space/Abandonment</u></b> |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>            |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                         |                          |                                    |                          |             |           |
| <b>Layer:</b>                           |                          |                                    | 1006855033               |             |           |
| <b>Plug From:</b>                       |                          |                                    | 1                        |             |           |
| <b>Plug To:</b>                         |                          |                                    | 0                        |             |           |
| <b>Plug Depth UOM:</b>                  |                          |                                    | 0.31                     |             |           |
|   |                          |                                    | m                        |             |           |
| <b><u>Annular Space/Abandonment</u></b> |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>            |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                         |                          |                                    |                          |             |           |
| <b>Layer:</b>                           |                          |                                    | 1006855035               |             |           |
|   |                          |                                    | 3                        |             |           |

| Map Key   | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---|-------------------|----------------------------|------------------|------|----|
| Plug From:  |                   | 2.74                       |                  |      |    |
| Plug To:  |                   | 6.1                        |                  |      |    |
| Plug Depth UOM:                                     |                   | m                          |                  |      |    |
| <b><u>Method of Construction &amp; Well Use</u></b> |                   |                            |                  |      |    |
| Method Construction ID:                             |                   |                            |                  |      |    |
| Method Construction Code:                           |                   | 2                          |                  |      |    |
| Method Construction:                                |                   | Rotary (Convent.)          |                  |      |    |
| Other Method Construction:                          |                   |                            |                  |      |    |
| <b><u>Pipe Information</u></b>                      |                   |                            |                  |      |    |
| Pipe ID:  |                   | 1006855021                 |                  |      |    |
| Casing No:  |                   | 0                          |                  |      |    |
| Comment:  |                   |                            |                  |      |    |
| Alt Name:   |                   |                            |                  |      |    |
| <b><u>Construction Record - Casing</u></b>          |                   |                            |                  |      |    |
| Casing ID:  |                   | 1006855028                 |                  |      |    |
| Layer:  |                   | 1                          |                  |      |    |
| Material:   |                   | 5                          |                  |      |    |
| Open Hole or Material:                              |                   | PLASTIC                    |                  |      |    |
| Depth From:   |                   | 0                          |                  |      |    |
| Depth To:   |                   | 3.1                        |                  |      |    |
| Casing Diameter:                                    |                   | 5.2                        |                  |      |    |
| Casing Diameter UOM:                                |                   | cm                         |                  |      |    |
| Casing Depth UOM:                                   |                   | m                          |                  |      |    |
| <b><u>Construction Record - Screen</u></b>          |                   |                            |                  |      |    |
| Screen ID:  |                   | 1006855029                 |                  |      |    |
| Layer:  |                   | 1                          |                  |      |    |
| Slot:   |                   | 10                         |                  |      |    |
| Screen Top Depth:                                   |                   | 3.1                        |                  |      |    |
| Screen End Depth:                                   |                   | 6.1                        |                  |      |    |
| Screen Material:                                    |                   | 5                          |                  |      |    |
| Screen Depth UOM:                                   |                   | m                          |                  |      |    |
| Screen Diameter UOM:                                |                   | cm                         |                  |      |    |
| Screen Diameter:                                    |                   | 6.03                       |                  |      |    |
| <b><u>Hole Diameter</u></b>                         |                   |                            |                  |      |    |
| Hole ID:  |                   | 1006855026                 |                  |      |    |
| Diameter:   |                   | 20.23                      |                  |      |    |
| Depth From:   |                   | 0                          |                  |      |    |
| Depth To:   |                   | 6.1                        |                  |      |    |
| Hole Depth UOM:                                     |                   | m                          |                  |      |    |
| Hole Diameter UOM:                                  |                   | cm                         |                  |      |    |

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1 of 1

NNE/160.9

67.2 / -3.81

lot F con C  
Ottawa ON

WWIS

Well ID: 7293177  
 Construction Date:  
 Primary Water Use: Test Hole  
 Sec. Water Use: Monitoring  
 Final Well Status: Test Hole  
 Water Type:

Data Entry Status:  
 Data Src:  
 Date Received: 8/18/2017  
 Selected Flag: Yes  
 Abandonment Rec:  
 Contractor: 7241

| <b>Map Key</b>                       | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b>             | <b>DB</b>                      |
|--------------------------------------|--------------------------|------------------------------------|--------------------------|-------------------------|--------------------------------|
| <b>Casing Material:</b>              |                          |                                    |                          | <b>Form Version:</b>    | 7                              |
| <b>Audit No:</b>                     | Z258235                  |                                    |                          | <b>Owner:</b>           |                                |
| <b>Tag:</b>                          | A192344                  |                                    |                          | <b>Street Name:</b>     | HARVEY ST.                     |
| <b>Construction Method:</b>          |                          |                                    |                          | <b>County:</b>          | OTTAWA-CARLETON                |
| <b>Elevation (m):</b>                |                          |                                    |                          | <b>Municipality:</b>    | NEPEAN TOWNSHIP                |
| <b>Elevation Reliability:</b>        |                          |                                    |                          | <b>Site Info:</b>       |                                |
| <b>Depth to Bedrock:</b>             |                          |                                    |                          | <b>Lot:</b>             | F                              |
| <b>Well Depth:</b>                   |                          |                                    |                          | <b>Concession:</b>      | C                              |
| <b>Overburden/Bedrock:</b>           |                          |                                    |                          | <b>Concession Name:</b> |                                |
| <b>Pump Rate:</b>                    |                          |                                    |                          | <b>Easting NAD83:</b>   |                                |
| <b>Static Water Level:</b>           |                          |                                    |                          | <b>Northing NAD83:</b>  |                                |
| <b>Flowing (Y/N):</b>                |                          |                                    |                          | <b>Zone:</b>            |                                |
| <b>Flow Rate:</b>                    |                          |                                    |                          | <b>UTM Reliability:</b> |                                |
| <b>Clear/Cloudy:</b>                 |                          |                                    |                          |                         |                                |
| <br>                                 |                          |                                    |                          |                         |                                |
| <b><u>Bore Hole Information</u></b>  |                          |                                    |                          |                         |                                |
| <b>Bore Hole ID:</b>                 |                          | 1006714844                         |                          | <b>Elevation:</b>       | 69.181961                      |
| <b>DP2BR:</b>                        |                          |                                    |                          | <b>Elevrc:</b>          |                                |
| <b>Spatial Status:</b>               |                          |                                    |                          | <b>Zone:</b>            | 18                             |
| <b>Code OB:</b>                      |                          |                                    |                          | <b>East83:</b>          | 446696                         |
| <b>Code OB Desc:</b>                 |                          |                                    |                          | <b>North83:</b>         | 5029099                        |
| <b>Open Hole:</b>                    |                          |                                    |                          | <b>Org CS:</b>          | UTM83                          |
| <b>Cluster Kind:</b>                 |                          |                                    |                          | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>               |                          | 6/8/2017                           |                          | <b>UTMRC Desc:</b>      | margin of error : 30 m - 100 m |
| <b>Remarks:</b>                      |                          |                                    |                          | <b>Location Method:</b> | wwr                            |
| <b>Elevrc Desc:</b>                  |                          |                                    |                          |                         |                                |
| <b>Location Source Date:</b>         |                          |                                    |                          |                         |                                |
| <b>Improvement Location Source:</b>  |                          |                                    |                          |                         |                                |
| <b>Improvement Location Method:</b>  |                          |                                    |                          |                         |                                |
| <b>Source Revision Comment:</b>      |                          |                                    |                          |                         |                                |
| <b>Supplier Comment:</b>             |                          |                                    |                          |                         |                                |
| <br>                                 |                          |                                    |                          |                         |                                |
| <b><u>Overburden and Bedrock</u></b> |                          |                                    |                          |                         |                                |
| <b><u>Materials Interval</u></b>     |                          |                                    |                          |                         |                                |
| <b>Formation ID:</b>                 |                          | 1006855067                         |                          |                         |                                |
| <b>Layer:</b>                        |                          | 3                                  |                          |                         |                                |
| <b>Color:</b>                        |                          | 2                                  |                          |                         |                                |
| <b>General Color:</b>                |                          | GREY                               |                          |                         |                                |
| <b>Mat1:</b>                         |                          | 05                                 |                          |                         |                                |
| <b>Most Common Material:</b>         |                          | CLAY                               |                          |                         |                                |
| <b>Mat2:</b>                         |                          | 06                                 |                          |                         |                                |
| <b>Other Materials:</b>              |                          | SILT                               |                          |                         |                                |
| <b>Mat3:</b>                         |                          | 85                                 |                          |                         |                                |
| <b>Other Materials:</b>              |                          | SOFT                               |                          |                         |                                |
| <b>Formation Top Depth:</b>          |                          | 10                                 |                          |                         |                                |
| <b>Formation End Depth:</b>          |                          | 20                                 |                          |                         |                                |
| <b>Formation End Depth UOM:</b>      |                          | ft                                 |                          |                         |                                |
| <br>                                 |                          |                                    |                          |                         |                                |
| <b><u>Overburden and Bedrock</u></b> |                          |                                    |                          |                         |                                |
| <b><u>Materials Interval</u></b>     |                          |                                    |                          |                         |                                |
| <b>Formation ID:</b>                 |                          | 1006855065                         |                          |                         |                                |
| <b>Layer:</b>                        |                          | 1                                  |                          |                         |                                |
| <b>Color:</b>                        |                          | 6                                  |                          |                         |                                |
| <b>General Color:</b>                |                          | BROWN                              |                          |                         |                                |
| <b>Mat1:</b>                         |                          | 01                                 |                          |                         |                                |
| <b>Most Common Material:</b>         |                          | FILL                               |                          |                         |                                |
| <b>Mat2:</b>                         |                          | 28                                 |                          |                         |                                |
| <b>Other Materials:</b>              |                          | SAND                               |                          |                         |                                |
| <b>Mat3:</b>                         |                          | 11                                 |                          |                         |                                |
| <b>Other Materials:</b>              |                          | GRAVEL                             |                          |                         |                                |

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Formation Top Depth:</b>                                 | 0                        |                                    |                          |             |           |
| <b>Formation End Depth:</b>                                 | 5                        |                                    |                          |             |           |
| <b>Formation End Depth UOM:</b>                             | ft                       |                                    |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  | 1006855066               |                                    |                          |             |           |
| <b>Layer:</b>   | 2                        |                                    |                          |             |           |
| <b>Color:</b>   | 6                        |                                    |                          |             |           |
| <b>General Color:</b>                                       | BROWN                    |                                    |                          |             |           |
| <b>Mat1:</b>  | 05                       |                                    |                          |             |           |
| <b>Most Common Material:</b>                                | CLAY                     |                                    |                          |             |           |
| <b>Mat2:</b>  | 06                       |                                    |                          |             |           |
| <b>Other Materials:</b>                                     | SILT                     |                                    |                          |             |           |
| <b>Mat3:</b>  | 85                       |                                    |                          |             |           |
| <b>Other Materials:</b>                                     | SOFT                     |                                    |                          |             |           |
| <b>Formation Top Depth:</b>                                 | 5                        |                                    |                          |             |           |
| <b>Formation End Depth:</b>                                 | 10                       |                                    |                          |             |           |
| <b>Formation End Depth UOM:</b>                             | ft                       |                                    |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   | 1006855076               |                                    |                          |             |           |
| <b>Layer:</b>   | 2                        |                                    |                          |             |           |
| <b>Plug From:</b>   | 1                        |                                    |                          |             |           |
| <b>Plug To:</b>   | 9                        |                                    |                          |             |           |
| <b>Plug Depth UOM:</b>                                      | ft                       |                                    |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   | 1006855077               |                                    |                          |             |           |
| <b>Layer:</b>   | 3                        |                                    |                          |             |           |
| <b>Plug From:</b>   | 9                        |                                    |                          |             |           |
| <b>Plug To:</b>   | 20                       |                                    |                          |             |           |
| <b>Plug Depth UOM:</b>                                      | ft                       |                                    |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   | 1006855075               |                                    |                          |             |           |
| <b>Layer:</b>   | 1                        |                                    |                          |             |           |
| <b>Plug From:</b>   | 0                        |                                    |                          |             |           |
| <b>Plug To:</b>   | 1                        |                                    |                          |             |           |
| <b>Plug Depth UOM:</b>                                      | ft                       |                                    |                          |             |           |
| <b><u>Method of Construction &amp; Well<br/>Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                              |                          |                                    |                          |             |           |
| <b>Method Construction Code:</b>                            | B                        |                                    |                          |             |           |
| <b>Method Construction:</b>                                 | Other Method             |                                    |                          |             |           |
| <b>Other Method Construction:</b>                           | AUGER                    |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                              |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>   | 1006855064               |                                    |                          |             |           |
| <b>Casing No:</b>   | 0                        |                                    |                          |             |           |
| <b>Comment:</b>   |                          |                                    |                          |             |           |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

Alt Name:

**Construction Record - Casing**

Casing ID: 1006855070  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From: 0  
 Depth To: 10  
 Casing Diameter: 2  
 Casing Diameter UOM: inch  
 Casing Depth UOM: ft

**Construction Record - Screen**

Screen ID: 1006855071  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 10  
 Screen End Depth: 20  
 Screen Material: 5  
 Screen Depth UOM: ft  
 Screen Diameter UOM: inch  
 Screen Diameter: 2.1

**Hole Diameter**

Hole ID: 1006855068  
 Diameter: 8  
 Depth From: 0  
 Depth To: 20  
 Hole Depth UOM: ft  
 Hole Diameter UOM: inch

**35**      1 of 1      **NE/161.5**      **69.9 / -1.08**      **ON**      **BORE**

**Borehole ID:** 847597  
**OGF ID:** 215589254  
**Status:** Decommissioned  
**Type:** Borehole  
**Use:** Geotechnical/Geological Investigation  
**Completion Date:** NOV-1961  
**Static Water Level:** 2.8  
**Primary Water Use:**  
**Sec. Water Use:**  
**Total Depth m:** 34.1  
**Depth Ref:** Ground Surface  
**Depth Elev:**  
**Drill Method:** Diamond Drill  
**Orig Ground Elev m:** 68.5  
**Elev Reliabil Note:**  
**DEM Ground Elev m:** 70  
**Concession:** BROKEN FRONT C  
**Location D:**  
**Survey D:**  
**Comments:**

**Inclin FLG:** No  
**SP Status:** Initial Entry  
**Surv Elev:** No  
**Piezometer:** No  
**Primary Name:**  
**Municipality:**  
**Lot:** LOT G  
**Township:** NEPEAN  
**Latitude DD:** 45.413132  
**Longitude DD:** -75.680526  
**UTM Zone:** 18  
**Easting:** 446751  
**Northing:** 5029071  
**Location Accuracy:**  
**Accuracy:** Within 10 metres

**Borehole Geology Stratum**

**Geology Stratum ID:** 6558136      **Mat Consistency:** Stiff

| <b>Map Key</b>                   | <b>Number of Records</b>  | <b>Direction/ Distance (m)</b> | <b>Elev/Diff (m)</b> | <b>Site</b>                | <b>DB</b>  |
|----------------------------------|---|--------------------------------|----------------------|----------------------------|------------|
| <b>Top Depth:</b>                | 2.2   |                                |                      | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>             | 9.4   |                                |                      | <b>Material Texture:</b>   |            |
| <b>Material Color:</b>           | Grey-Brown  |                                |                      | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>               | Clay  |                                |                      | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>               | Silt  |                                |                      | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>               |   |                                |                      | <b>Geologic Period:</b>    |            |
| <b>Material 4:</b>               |   |                                |                      | <b>Depositional Gen:</b>   |            |
| <b>Gsc Material Description:</b> |   |                                |                      |                            |            |
| <b>Stratum Description:</b>      | STIFF GREY BROWN TO GREY CLAY SOME SILT **Note: Many records provided by the department have a truncated [Stratum Description] field.                               |                                |                      |                            |            |
| <b>Geology Stratum ID:</b>       | 6558135   |                                |                      | <b>Mat Consistency:</b>    | Loose      |
| <b>Top Depth:</b>                | 0   |                                |                      | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>             | 2.2   |                                |                      | <b>Material Texture:</b>   | Fine       |
| <b>Material Color:</b>           | Brown   |                                |                      | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>               | Sand  |                                |                      | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>               | Silt  |                                |                      | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>               |   |                                |                      | <b>Geologic Period:</b>    |            |
| <b>Material 4:</b>               |   |                                |                      | <b>Depositional Gen:</b>   |            |
| <b>Gsc Material Description:</b> |   |                                |                      |                            |            |
| <b>Stratum Description:</b>      | LOOSE TO COMPACT BROWN FINE TO MEDIUM SAND TRACE OF SILT **Note: Many records provided by the department have a truncated [Stratum Description] field.              |                                |                      |                            |            |
| <b>Geology Stratum ID:</b>       | 6558138   |                                |                      | <b>Mat Consistency:</b>    | Compact    |
| <b>Top Depth:</b>                | 19.8  |                                |                      | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>             | 23  |                                |                      | <b>Material Texture:</b>   |            |
| <b>Material Color:</b>           | Grey  |                                |                      | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>               | Silt  |                                |                      | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>               | Fine Sand   |                                |                      | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>               | Clay  |                                |                      | <b>Geologic Period:</b>    |            |
| <b>Material 4:</b>               |   |                                |                      | <b>Depositional Gen:</b>   |            |
| <b>Gsc Material Description:</b> |   |                                |                      |                            |            |
| <b>Stratum Description:</b>      | COMPACT TO DENSE GREY SILT TRACE OF FINE SAND AND CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.                |                                |                      |                            |            |
| <b>Geology Stratum ID:</b>       | 6558140   |                                |                      | <b>Mat Consistency:</b>    | Very Dense |
| <b>Top Depth:</b>                | 28  |                                |                      | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>             | 31.4  |                                |                      | <b>Material Texture:</b>   |            |
| <b>Material Color:</b>           | Grey  |                                |                      | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>               | Till  |                                |                      | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>               | Silt  |                                |                      | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>               | Sand  |                                |                      | <b>Geologic Period:</b>    |            |
| <b>Material 4:</b>               | Gravel  |                                |                      | <b>Depositional Gen:</b>   |            |
| <b>Gsc Material Description:</b> |   |                                |                      |                            |            |
| <b>Stratum Description:</b>      | TILL VERY DENSE GREY SANDY SILT WITH GRAVEL AND COBBLES TRACE OF CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field. |                                |                      |                            |            |
| <b>Geology Stratum ID:</b>       | 6558141   |                                |                      | <b>Mat Consistency:</b>    |            |
| <b>Top Depth:</b>                | 31.4  |                                |                      | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>             | 34.1  |                                |                      | <b>Material Texture:</b>   |            |
| <b>Material Color:</b>           | Dark  |                                |                      | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>               | Bedrock   |                                |                      | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>               | Shale   |                                |                      | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>               |   |                                |                      | <b>Geologic Period:</b>    |            |
| <b>Material 4:</b>               |   |                                |                      | <b>Depositional Gen:</b>   |            |
| <b>Gsc Material Description:</b> |   |                                |                      |                            |            |
| <b>Stratum Description:</b>      | DARK GREY SHALE BEDROCK **Note: Many records provided by the department have a truncated [Stratum Description] field.   |                                |                      |                            |            |
| <b>Geology Stratum ID:</b>       | 6558137   |                                |                      | <b>Mat Consistency:</b>    | Stiff      |
| <b>Top Depth:</b>                | 9.4   |                                |                      | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>             | 19.8  |                                |                      | <b>Material Texture:</b>   |            |
| <b>Material Color:</b>           | Grey  |                                |                      | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>               | Clay  |                                |                      | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>               | Silt  |                                |                      | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>               | Fine Sand   |                                |                      | <b>Geologic Period:</b>    |            |



| Map Key                                | Number of Records                     | Direction/<br>Distance (m) | Elev/Diff<br>(m)     | Site  | DB               |
|--|---------------------------------------|----------------------------|----------------------|---|------------------|
| <b>Material 4:</b>                     | Shells                                |                            |                      | <b>Depositional Gen:</b>  |                  |
| <b>Gsc Material Description:</b>       |                                       |                            |                      |   |                  |
| <b>Stratum Description:</b>            |                                       |                            |                      | STIFF GREY SILTY CLAY TRACE TO SOME FINE SAND AND OCCASIONAL SMALL POCKETS OF SHELLS AND ORGANIC MATERIAL **Note: Many records provided by the department have a truncated [Stratum Description] field. |                  |
| <b>Geology Stratum ID:</b>             | 6558139                               |                            |                      | <b>Mat Consistency:</b>   | Very Dense       |
| <b>Top Depth:</b>                      | 23                                    |                            |                      | <b>Material Moisture:</b>   |                  |
| <b>Bottom Depth:</b>                   | 28                                    |                            |                      | <b>Material Texture:</b>  |                  |
| <b>Material Color:</b>                 | Grey                                  |                            |                      | <b>Non Geo Mat Type:</b>  |                  |
| <b>Material 1:</b>                     | Silt                                  |                            |                      | <b>Geologic Formation:</b>  |                  |
| <b>Material 2:</b>                     | Sand                                  |                            |                      | <b>Geologic Group:</b>  |                  |
| <b>Material 3:</b>                     | Fine Sand                             |                            |                      | <b>Geologic Period:</b>   |                  |
| <b>Material 4:</b>                     | Clay                                  |                            |                      | <b>Depositional Gen:</b>  |                  |
| <b>Gsc Material Description:</b>       |                                       |                            |                      |   |                  |
| <b>Stratum Description:</b>            |                                       |                            |                      | VERY DENSE GREY SANDY SILT TO SILTY FINE SAND WITH TRACE OF CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.  |                  |
| <b>36</b>                              | <b>1 of 1</b>                         | <b>WNW/163.6</b>           | <b>54.9 / -16.08</b> | <b>ON</b>   | <b>BORE</b>      |
| <b>Borehole ID:</b>                    | 847434                                |                            |                      | <b>Inclin FLG:</b>  | No               |
| <b>OGF ID:</b>                         | 215589092                             |                            |                      | <b>SP Status:</b>   | Initial Entry    |
| <b>Status:</b>                         | Decommissioned                        |                            |                      | <b>Surv Elev:</b>   | No               |
| <b>Type:</b>                           | Borehole                              |                            |                      | <b>Piezometer:</b>  | No               |
| <b>Use:</b>                            | Geotechnical/Geological Investigation |                            |                      | <b>Primary Name:</b>  |                  |
| <b>Completion Date:</b>                | 20-FEB-1961                           |                            |                      | <b>Municipality:</b>  |                  |
| <b>Static Water Level:</b>             |                                       |                            |                      | <b>Lot:</b>   | LOT F            |
| <b>Primary Water Use:</b>              |                                       |                            |                      | <b>Township:</b>  | NEPEAN           |
| <b>Sec. Water Use:</b>                 |                                       |                            |                      | <b>Latitude DD:</b>   | 45.412401        |
| <b>Total Depth m:</b>                  | 32.9                                  |                            |                      | <b>Longitude DD:</b>  | -75.683802       |
| <b>Depth Ref:</b>                      | Ground Surface                        |                            |                      | <b>UTM Zone:</b>  | 18               |
| <b>Depth Elev:</b>                     |                                       |                            |                      | <b>Easting:</b>   | 446494           |
| <b>Drill Method:</b>                   | Diamond Drill                         |                            |                      | <b>Northing:</b>  | 5028992          |
| <b>Orig Ground Elev m:</b>             | 67.6                                  |                            |                      | <b>Location Accuracy:</b>   |                  |
| <b>Elev Reliabil Note:</b>             |                                       |                            |                      | <b>Accuracy:</b>  | Within 10 metres |
| <b>DEM Ground Elev m:</b>              | 66.5                                  |                            |                      |   |                  |
| <b>Concession:</b>                     |                                       | BROKEN FRONT C             |                      |   |                  |
| <b>Location D:</b>                     |                                       |                            |                      |   |                  |
| <b>Survey D:</b>                       |                                       |                            |                      |   |                  |
| <b>Comments:</b>                       |                                       |                            |                      |   |                  |
| <b><u>Borehole Geology Stratum</u></b> |                                       |                            |                      |   |                  |
| <b>Geology Stratum ID:</b>             | 6557507                               |                            |                      | <b>Mat Consistency:</b>   | Compact          |
| <b>Top Depth:</b>                      | 7.6                                   |                            |                      | <b>Material Moisture:</b>   |                  |
| <b>Bottom Depth:</b>                   | 9.8                                   |                            |                      | <b>Material Texture:</b>  | Fine             |
| <b>Material Color:</b>                 | Grey                                  |                            |                      | <b>Non Geo Mat Type:</b>  |                  |
| <b>Material 1:</b>                     | Sand                                  |                            |                      | <b>Geologic Formation:</b>  |                  |
| <b>Material 2:</b>                     | Silt                                  |                            |                      | <b>Geologic Group:</b>  |                  |
| <b>Material 3:</b>                     |                                       |                            |                      | <b>Geologic Period:</b>   |                  |
| <b>Material 4:</b>                     |                                       |                            |                      | <b>Depositional Gen:</b>  |                  |
| <b>Gsc Material Description:</b>       |                                       |                            |                      |   |                  |
| <b>Stratum Description:</b>            |                                       |                            |                      | COMPACT GREY SILTY FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.  |                  |
| <b>Geology Stratum ID:</b>             | 6557510                               |                            |                      | <b>Mat Consistency:</b>   | Loose            |
| <b>Top Depth:</b>                      | 20.3                                  |                            |                      | <b>Material Moisture:</b>   |                  |
| <b>Bottom Depth:</b>                   | 32.9                                  |                            |                      | <b>Material Texture:</b>  |                  |
| <b>Material Color:</b>                 | Grey                                  |                            |                      | <b>Non Geo Mat Type:</b>  |                  |
| <b>Material 1:</b>                     | Silt                                  |                            |                      | <b>Geologic Formation:</b>  |                  |
| <b>Material 2:</b>                     | Fine Sand                             |                            |                      | <b>Geologic Group:</b>  |                  |
| <b>Material 3:</b>                     | Clay                                  |                            |                      | <b>Geologic Period:</b>   |                  |
| <b>Material 4:</b>                     |                                       |                            |                      | <b>Depositional Gen:</b>  |                  |

| Map Key                          | Number of Records | Direction/<br>Distance (m)   | Elev/Diff<br>(m) | Site                       | DB    |
|----------------------------------|-------------------|--|------------------|----------------------------|-------|
| <b>Gsc Material Description:</b> |                   |  |                  |                            |       |
| <b>Stratum Description:</b>      |                   | LOOSE GREY SILT SOME FINE SAND TRACE CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.  |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 6557505           |  |                  | <b>Mat Consistency:</b>    | Loose |
| <b>Top Depth:</b>                | 0                 |  |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 6.4               |  |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Brown-Grey        |  |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Fill              |  |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               |                   |  |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |                   |  |                  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                   |  |                  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                   |  |                  |                            |       |
| <b>Stratum Description:</b>      |                   | LOOSE BROWN TO GREY FILL (RAILWAY EMBANKMENT) **Note: Many records provided by the department have a truncated [Stratum Description] field.  |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 6557509           |  |                  | <b>Mat Consistency:</b>    | Stiff |
| <b>Top Depth:</b>                | 17.4              |  |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 20.3              |  |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey              |  |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay              |  |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt              |  |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               | Fine Sand         |  |                  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               | Shells            |  |                  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                   |  |                  |                            |       |
| <b>Stratum Description:</b>      |                   | STIFF TO FIRM GREY SILTY CLAY SOME FINE SAND OCCASIONAL SHELLS AND POCKETS OF ORGANIC MATTER **Note: Many records provided by the department have a truncated [Stratum Description] field. |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 6557506           |  |                  | <b>Mat Consistency:</b>    |       |
| <b>Top Depth:</b>                | 6.4               |  |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 7.6               |  |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           |                   |  |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Topsoil           |  |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Sand              |  |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |                   |  |                  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                   |  |                  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                   |  |                  |                            |       |
| <b>Stratum Description:</b>      |                   | SANDY TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.  |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 6557508           |  |                  | <b>Mat Consistency:</b>    | Stiff |
| <b>Top Depth:</b>                | 9.8               |  |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 17.4              |  |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey              |  |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay              |  |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               |                   |  |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |                   |  |                  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                   |  |                  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                   |  |                  |                            |       |
| <b>Stratum Description:</b>      |                   | STIFF GREY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.  |                  |                            |       |

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1 of 1

W/165.5

61.6 / -9.34

ON

BORE

|                            |                                       |                      |               |
|----------------------------|---------------------------------------|----------------------|---------------|
| <b>Borehole ID:</b>        | 847398                                | <b>Inclin FLG:</b>   | No            |
| <b>OGF ID:</b>             | 215589062                             | <b>SP Status:</b>    | Initial Entry |
| <b>Status:</b>             | Decommissioned                        | <b>Surv Elev:</b>    | No            |
| <b>Type:</b>               | Borehole                              | <b>Piezometer:</b>   | No            |
| <b>Use:</b>                | Geotechnical/Geological Investigation | <b>Primary Name:</b> |               |
| <b>Completion Date:</b>    | 17-MAY-1960                           | <b>Municipality:</b> |               |
| <b>Static Water Level:</b> | 0.8                                   | <b>Lot:</b>          | LOT F         |
| <b>Primary Water Use:</b>  |                                       | <b>Township:</b>     | NEPEAN        |
| <b>Sec. Water Use:</b>     |                                       | <b>Latitude DD:</b>  | 45.411968     |
| <b>Total Depth m:</b>      | 36.1                                  | <b>Longitude DD:</b> | -75.683911    |
| <b>Depth Ref:</b>          | Ground Surface                        | <b>UTM Zone:</b>     | 18            |
| <b>Depth Elev:</b>         |                                       | <b>Easting:</b>      | 446485        |

| Map Key                                | Number of Records | Direction/<br>Distance (m)   | Elev/Diff<br>(m) | Site                       | DB               |
|--|-------------------|--|------------------|----------------------------|------------------|
| <b>Drill Method:</b>                   | Diamond Drill     |  |                  | <b>Northing:</b>           | 5028944          |
| <b>Orig Ground Elev m:</b>             | 64.5              |  |                  | <b>Location Accuracy:</b>  |                  |
| <b>Elev Reliabil Note:</b>             |                   |  |                  | <b>Accuracy:</b>           | Within 50 metres |
| <b>DEM Ground Elev m:</b>              | 70.3              |  |                  |                            |                  |
| <b>Concession:</b>                     |                   | BROKEN FRONT C   |                  |                            |                  |
| <b>Location D:</b>                     |                   |  |                  |                            |                  |
| <b>Survey D:</b>                       |                   |  |                  |                            |                  |
| <b>Comments:</b>                       |                   |  |                  |                            |                  |
| <b><u>Borehole Geology Stratum</u></b> |                   |  |                  |                            |                  |
| <b>Geology Stratum ID:</b>             | 6557286           |  |                  | <b>Mat Consistency:</b>    | Stiff            |
| <b>Top Depth:</b>                      | 7.6               |  |                  | <b>Material Moisture:</b>  |                  |
| <b>Bottom Depth:</b>                   | 9.1               |  |                  | <b>Material Texture:</b>   | Medium           |
| <b>Material Color:</b>                 |                   |  |                  | <b>Non Geo Mat Type:</b>   |                  |
| <b>Material 1:</b>                     | Silt              |  |                  | <b>Geologic Formation:</b> |                  |
| <b>Material 2:</b>                     |                   |  |                  | <b>Geologic Group:</b>     |                  |
| <b>Material 3:</b>                     |                   |  |                  | <b>Geologic Period:</b>    |                  |
| <b>Material 4:</b>                     |                   |  |                  | <b>Depositional Gen:</b>   |                  |
| <b>Gsc Material Description:</b>       |                   |  |                  |                            |                  |
| <b>Stratum Description:</b>            |                   | SILT, STIFF TO MEDIUM SOFT LOW PLASTICITY (ML) **Note: Many records provided by the department have a truncated [Stratum Description] field.                           |                  |                            |                  |
| <b>Geology Stratum ID:</b>             | 6557287           |  |                  | <b>Mat Consistency:</b>    | Stiff            |
| <b>Top Depth:</b>                      | 9.1               |  |                  | <b>Material Moisture:</b>  |                  |
| <b>Bottom Depth:</b>                   | 15.2              |  |                  | <b>Material Texture:</b>   |                  |
| <b>Material Color:</b>                 | Grey              |  |                  | <b>Non Geo Mat Type:</b>   |                  |
| <b>Material 1:</b>                     | Clay              |  |                  | <b>Geologic Formation:</b> |                  |
| <b>Material 2:</b>                     |                   |  |                  | <b>Geologic Group:</b>     |                  |
| <b>Material 3:</b>                     |                   |  |                  | <b>Geologic Period:</b>    |                  |
| <b>Material 4:</b>                     |                   |  |                  | <b>Depositional Gen:</b>   |                  |
| <b>Gsc Material Description:</b>       |                   |  |                  |                            |                  |
| <b>Stratum Description:</b>            |                   | CLAY GREY, STIFF LOW PLASTICITY (CL) **Note: Many records provided by the department have a truncated [Stratum Description] field.                                     |                  |                            |                  |
| <b>Geology Stratum ID:</b>             | 6557284           |  |                  | <b>Mat Consistency:</b>    | Stiff            |
| <b>Top Depth:</b>                      | 1.8               |  |                  | <b>Material Moisture:</b>  |                  |
| <b>Bottom Depth:</b>                   | 3.7               |  |                  | <b>Material Texture:</b>   |                  |
| <b>Material Color:</b>                 | Brown-Grey        |  |                  | <b>Non Geo Mat Type:</b>   |                  |
| <b>Material 1:</b>                     | Clay              |  |                  | <b>Geologic Formation:</b> |                  |
| <b>Material 2:</b>                     |                   |  |                  | <b>Geologic Group:</b>     |                  |
| <b>Material 3:</b>                     |                   |  |                  | <b>Geologic Period:</b>    |                  |
| <b>Material 4:</b>                     |                   |  |                  | <b>Depositional Gen:</b>   |                  |
| <b>Gsc Material Description:</b>       |                   |  |                  |                            |                  |
| <b>Stratum Description:</b>            |                   | CLAY, BROWNISH GREY, FISSURED, STIFF, HIGH PLASTICITY (CH) **Note: Many records provided by the department have a truncated [Stratum Description] field.               |                  |                            |                  |
| <b>Geology Stratum ID:</b>             | 6557292           |  |                  | <b>Mat Consistency:</b>    | Dense            |
| <b>Top Depth:</b>                      | 30.8              |  |                  | <b>Material Moisture:</b>  |                  |
| <b>Bottom Depth:</b>                   | 32.3              |  |                  | <b>Material Texture:</b>   | Medium           |
| <b>Material Color:</b>                 |                   |  |                  | <b>Non Geo Mat Type:</b>   |                  |
| <b>Material 1:</b>                     | Silt              |  |                  | <b>Geologic Formation:</b> |                  |
| <b>Material 2:</b>                     | Sand              |  |                  | <b>Geologic Group:</b>     |                  |
| <b>Material 3:</b>                     | Gravel            |  |                  | <b>Geologic Period:</b>    |                  |
| <b>Material 4:</b>                     | Clay              |  |                  | <b>Depositional Gen:</b>   |                  |
| <b>Gsc Material Description:</b>       |                   |  |                  |                            |                  |
| <b>Stratum Description:</b>            |                   | SANDY SILT WITH A LITTLE GRAVEL AND CLAY, NON PLASTIC, MEDIUM DENSE (ML) **Note: Many records provided by the department have a truncated [Stratum Description] field. |                  |                            |                  |
| <b>Geology Stratum ID:</b>             | 6557282           |  |                  | <b>Mat Consistency:</b>    |                  |
| <b>Top Depth:</b>                      | 0                 |  |                  | <b>Material Moisture:</b>  |                  |
| <b>Bottom Depth:</b>                   | .3                |  |                  | <b>Material Texture:</b>   |                  |
| <b>Material Color:</b>                 |                   |  |                  | <b>Non Geo Mat Type:</b>   |                  |
| <b>Material 1:</b>                     | Topsoil           |  |                  | <b>Geologic Formation:</b> |                  |
| <b>Material 2:</b>                     |                   |  |                  | <b>Geologic Group:</b>     |                  |

| Map Key  | Number of Records   | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site  | DB              |
|--|---|---|------------------|---|-----------------|
| <b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b>  |   |   |                  | <b>Geologic Period:</b><br><b>Depositional Gen:</b>   |                 |
|  |   | TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.   |                  |   |                 |
| <b>Geology Stratum ID:</b><br><b>Top Depth:</b><br><b>Bottom Depth:</b><br><b>Material Color:</b><br><b>Material 1:</b><br><b>Material 2:</b><br><b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b> | 6557288<br>15.2<br>18.3<br>Grey<br>Silt<br>Clay           |   |                  | <b>Mat Consistency:</b><br><b>Material Moisture:</b><br><b>Material Texture:</b><br><b>Non Geo Mat Type:</b><br><b>Geologic Formation:</b><br><b>Geologic Group:</b><br><b>Geologic Period:</b><br><b>Depositional Gen:</b> | Stiff<br>Medium |
|  |   | CLAYEY SILT, GREY, STIFF TO MEDIUM SOFT LOW PLASTICITY (CL - ML) **Note: Many records provided by the department have a truncated [Stratum Description] field.                |                  |   |                 |
| <b>Geology Stratum ID:</b><br><b>Top Depth:</b><br><b>Bottom Depth:</b><br><b>Material Color:</b><br><b>Material 1:</b><br><b>Material 2:</b><br><b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b> | 6557285<br>3.7<br>7.6<br>Grey<br>Clay                     |   |                  | <b>Mat Consistency:</b><br><b>Material Moisture:</b><br><b>Material Texture:</b><br><b>Non Geo Mat Type:</b><br><b>Geologic Formation:</b><br><b>Geologic Group:</b><br><b>Geologic Period:</b><br><b>Depositional Gen:</b> | Stiff           |
|  |   | CLAY GREY, STIFF HIGH PLASTICITY (CH) **Note: Many records provided by the department have a truncated [Stratum Description] field.   |                  |   |                 |
| <b>Geology Stratum ID:</b><br><b>Top Depth:</b><br><b>Bottom Depth:</b><br><b>Material Color:</b><br><b>Material 1:</b><br><b>Material 2:</b><br><b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b> | 6557289<br>18.3<br>21.8<br>Silt<br>Sand<br>Clay<br>Gravel |   |                  | <b>Mat Consistency:</b><br><b>Material Moisture:</b><br><b>Material Texture:</b><br><b>Non Geo Mat Type:</b><br><b>Geologic Formation:</b><br><b>Geologic Group:</b><br><b>Geologic Period:</b><br><b>Depositional Gen:</b> | Dense<br>Medium |
|  |   | SANDY SILT WITH SOME CLAY AND A TRACE OF GRAVEL, NON PLASTIC, MEDIUM DENSE (ML) **Note: Many records provided by the department have a truncated [Stratum Description] field. |                  |   |                 |
| <b>Geology Stratum ID:</b><br><b>Top Depth:</b><br><b>Bottom Depth:</b><br><b>Material Color:</b><br><b>Material 1:</b><br><b>Material 2:</b><br><b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b> | 6557291<br>30.5<br>30.8<br>Silt<br>Gravel<br>Clay<br>Sand |   |                  | <b>Mat Consistency:</b><br><b>Material Moisture:</b><br><b>Material Texture:</b><br><b>Non Geo Mat Type:</b><br><b>Geologic Formation:</b><br><b>Geologic Group:</b><br><b>Geologic Period:</b><br><b>Depositional Gen:</b> | Loose           |
|  |   | SANDY SILT WITH A LITTLE GRAVEL AND CLAY, NON PLASTIC, LOOSE (ML) **Note: Many records provided by the department have a truncated [Stratum Description] field.               |                  |   |                 |
| <b>Geology Stratum ID:</b><br><b>Top Depth:</b><br><b>Bottom Depth:</b><br><b>Material Color:</b><br><b>Material 1:</b><br><b>Material 2:</b><br><b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b> | 6557293<br>32.3<br>32.9<br>Sand<br>Clay<br>Silt<br>Gravel |   |                  | <b>Mat Consistency:</b><br><b>Material Moisture:</b><br><b>Material Texture:</b><br><b>Non Geo Mat Type:</b><br><b>Geologic Formation:</b><br><b>Geologic Group:</b><br><b>Geologic Period:</b><br><b>Depositional Gen:</b> | Dense           |
|  |   | SILTY SAND WITH A LITTLE CLAY AND A TRACE OF GRAVEL (TILL) DENSE (SM) **Note: Many records provided by the department have a truncated [Stratum Description] field.           |                  |   |                 |
| <b>Geology Stratum ID:</b>   | 6557294   |   |                  | <b>Mat Consistency:</b>   |                 |

| Map Key                          | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                       | DB         |
|----------------------------------|---|----------------------------|------------------|----------------------------|------------|
|                                  | 32.9  |                            |                  | <b>Material Moisture:</b>  |            |
| <b>Top Depth:</b>                |   |                            |                  | <b>Material Texture:</b>   |            |
| <b>Bottom Depth:</b>             | 34.5  |                            |                  | <b>Non Geo Mat Type:</b>   |            |
| <b>Material Color:</b>           |   |                            |                  | <b>Geologic Formation:</b> |            |
| <b>Material 1:</b>               | Shale   |                            |                  | <b>Geologic Group:</b>     |            |
| <b>Material 2:</b>               |   |                            |                  | <b>Geologic Period:</b>    |            |
| <b>Material 3:</b>               |   |                            |                  | <b>Depositional Gen:</b>   |            |
| <b>Material 4:</b>               |   |                            |                  |                            |            |
| <b>Gsc Material Description:</b> |   |                            |                  |                            |            |
| <b>Stratum Description:</b>      | SHALE, CORE RECOVERY 98% **Note: Many records provided by the department have a truncated [Stratum Description] field.  |                            |                  |                            |            |
| <b>Geology Stratum ID:</b>       | 6557283   |                            |                  | <b>Mat Consistency:</b>    | Very Loose |
| <b>Top Depth:</b>                | .3  |                            |                  | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>             | 1.8   |                            |                  | <b>Material Texture:</b>   | Fine       |
| <b>Material Color:</b>           |   |                            |                  | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>               | Sand  |                            |                  | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>               | Clay  |                            |                  | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>               | Silt  |                            |                  | <b>Geologic Period:</b>    |            |
| <b>Material 4:</b>               |   |                            |                  | <b>Depositional Gen:</b>   |            |
| <b>Gsc Material Description:</b> |   |                            |                  |                            |            |
| <b>Stratum Description:</b>      | SILTY FINE SAND WITH A LITTLE CLAY VERY LOOSE (SM) **Note: Many records provided by the department have a truncated [Stratum Description] field.                    |                            |                  |                            |            |
| <b>Geology Stratum ID:</b>       | 6557290   |                            |                  | <b>Mat Consistency:</b>    | Dense      |
| <b>Top Depth:</b>                | 21.8  |                            |                  | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>             | 30.5  |                            |                  | <b>Material Texture:</b>   | Medium     |
| <b>Material Color:</b>           |   |                            |                  | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>               | Silt  |                            |                  | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>               | Sand  |                            |                  | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>               | Clay  |                            |                  | <b>Geologic Period:</b>    |            |
| <b>Material 4:</b>               |   |                            |                  | <b>Depositional Gen:</b>   |            |
| <b>Gsc Material Description:</b> |   |                            |                  |                            |            |
| <b>Stratum Description:</b>      | SILT WITH SOME SAND AND A LITTLE CLAY, NON PLASTIC, MEDIUM DENSE (ML) **Note: Many records provided by the department have a truncated [Stratum Description] field. |                            |                  |                            |            |
| <b>Geology Stratum ID:</b>       | 6557295   |                            |                  | <b>Mat Consistency:</b>    |            |
| <b>Top Depth:</b>                | 34.5  |                            |                  | <b>Material Moisture:</b>  |            |
| <b>Bottom Depth:</b>             | 36.1  |                            |                  | <b>Material Texture:</b>   |            |
| <b>Material Color:</b>           |   |                            |                  | <b>Non Geo Mat Type:</b>   |            |
| <b>Material 1:</b>               | Shale   |                            |                  | <b>Geologic Formation:</b> |            |
| <b>Material 2:</b>               |   |                            |                  | <b>Geologic Group:</b>     |            |
| <b>Material 3:</b>               |   |                            |                  | <b>Geologic Period:</b>    |            |
| <b>Material 4:</b>               |   |                            |                  | <b>Depositional Gen:</b>   |            |
| <b>Gsc Material Description:</b> |   |                            |                  |                            |            |
| <b>Stratum Description:</b>      | SHALE, CORE RECOVERY 100% **Note: Many records provided by the department have a truncated [Stratum Description] field.   |                            |                  |                            |            |

**38**      1 of 1      E/171.0      69.9 / -1.08      **ROGERS CLEANERS**      **GEN**  
98 MAIN STREET  
STITTSVILLE ON K1S 1C2

**Generator No:** ON0513900      **PO Box No:**  
**Status:**      **Country:**  
**Approval Years:** 86,87,88,89      **Choice of Contact:**  
**Contam. Facility:**      **Co Admin:**  
**MHSW Facility:**      **Phone No Admin:**  
**SIC Code:** 9721  
**SIC Description:** POWER LAUND./CLEANERS

**Detail(s)**

**Waste Class:** 241  
**Waste Class Desc:** HALOGENATED SOLVENTS

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

|                    |        |           |              |                          |      |
|--------------------|--------|-----------|--------------|--------------------------|------|
| <a href="#">39</a> | 1 of 1 | NNE/175.3 | 68.0 / -2.97 | lot F con C<br>Ottawa ON | WWIS |
|--------------------|--------|-----------|--------------|--------------------------|------|

**Well ID:** 7293176  
**Construction Date:**  
**Primary Water Use:** Test Hole  
**Sec. Water Use:** Monitoring  
**Final Well Status:** Test Hole  
**Water Type:**  
**Casing Material:**  
**Audit No:** Z258234  
**Tag:** A192343  
**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:**  
**Date Received:** 8/18/2017  
**Selected Flag:** Yes  
**Abandonment Rec:**  
**Contractor:** 7241  
**Form Version:** 7  
**Owner:**  
**Street Name:** MAIN ST.  
**County:** OTTAWA-CARLETON  
**Municipality:** NEPEAN TOWNSHIP  
**Site Info:**  
**Lot:** F  
**Concession:** C  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

#### Bore Hole Information

**Bore Hole ID:** 1006714841  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 6/8/2017  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Elevation:** 68.944351  
**Elevrc:**  
**Zone:** 18  
**East83:** 446714  
**North83:** 5029108  
**Org CS:** UTM83  
**UTMRC:** 4  
**UTMRC Desc:** margin of error : 30 m - 100 m  
**Location Method:** wwr

#### Overburden and Bedrock

##### Materials Interval

**Formation ID:** 1006855051  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 01  
**Most Common Material:** FILL  
**Mat2:** 11  
**Other Materials:** GRAVEL  
**Mat3:** 77  
**Other Materials:** LOOSE  
**Formation Top Depth:** 0  
**Formation End Depth:** 5  
**Formation End Depth UOM:** ft

#### Overburden and Bedrock

##### Materials Interval

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Formation ID:</b>  |                          | 1006855052                         |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Color:</b>   |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>  |                          | 05                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | CLAY                               |                          |             |           |
| <b>Mat2:</b>  |                          | 06                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SILT                               |                          |             |           |
| <b>Mat3:</b>  |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SOFT                               |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 5                                  |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 10                                 |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 1006855053                         |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>  |                          | 05                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | CLAY                               |                          |             |           |
| <b>Mat2:</b>  |                          | 06                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SILT                               |                          |             |           |
| <b>Mat3:</b>  |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SOFT                               |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 10                                 |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 17.5                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | ft                                 |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1006855063                         |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 6.5                                |                          |             |           |
| <b>Plug To:</b>   |                          | 17.5                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | ft                                 |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1006855061                         |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 0                                  |                          |             |           |
| <b>Plug To:</b>   |                          | 1                                  |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | ft                                 |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1006855062                         |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 1                                  |                          |             |           |
| <b>Plug To:</b>   |                          | 6.5                                |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | ft                                 |                          |             |           |
| <b><u>Method of Construction &amp; Well<br/>Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                              |                          |                                    |                          |             |           |



| Map Key                                    | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|--|-------------------|----------------------------|------------------|------|----|
| <b>Method Construction Code:</b>           |                   | B                          |                  |      |    |
| <b>Method Construction:</b>                |                   | Other Method               |                  |      |    |
| <b>Other Method Construction:</b>          |                   | AUGER                      |                  |      |    |
| <b><u>Pipe Information</u></b>             |                   |                            |                  |      |    |
| <b>Pipe ID:</b>                            |                   | 1006855050                 |                  |      |    |
| <b>Casing No:</b>                          |                   | 0                          |                  |      |    |
| <b>Comment:</b>                            |                   |                            |                  |      |    |
| <b>Alt Name:</b>                           |                   |                            |                  |      |    |
| <b><u>Construction Record - Casing</u></b> |                   |                            |                  |      |    |
| <b>Casing ID:</b>                          |                   | 1006855056                 |                  |      |    |
| <b>Layer:</b>                              |                   | 1                          |                  |      |    |
| <b>Material:</b>                           |                   | 5                          |                  |      |    |
| <b>Open Hole or Material:</b>              |                   | PLASTIC                    |                  |      |    |
| <b>Depth From:</b>                         |                   | 0                          |                  |      |    |
| <b>Depth To:</b>                           |                   | 7.5                        |                  |      |    |
| <b>Casing Diameter:</b>                    |                   | 2                          |                  |      |    |
| <b>Casing Diameter UOM:</b>                |                   | inch                       |                  |      |    |
| <b>Casing Depth UOM:</b>                   |                   | ft                         |                  |      |    |
| <b><u>Construction Record - Screen</u></b> |                   |                            |                  |      |    |
| <b>Screen ID:</b>                          |                   | 1006855057                 |                  |      |    |
| <b>Layer:</b>                              |                   | 1                          |                  |      |    |
| <b>Slot:</b>                               |                   | 10                         |                  |      |    |
| <b>Screen Top Depth:</b>                   |                   | 7.5                        |                  |      |    |
| <b>Screen End Depth:</b>                   |                   | 17.5                       |                  |      |    |
| <b>Screen Material:</b>                    |                   | 5                          |                  |      |    |
| <b>Screen Depth UOM:</b>                   |                   | ft                         |                  |      |    |
| <b>Screen Diameter UOM:</b>                |                   | inch                       |                  |      |    |
| <b>Screen Diameter:</b>                    |                   | 2.1                        |                  |      |    |
| <b><u>Hole Diameter</u></b>                |                   |                            |                  |      |    |
| <b>Hole ID:</b>                            |                   | 1006855054                 |                  |      |    |
| <b>Diameter:</b>                           |                   | 8                          |                  |      |    |
| <b>Depth From:</b>                         |                   | 0                          |                  |      |    |
| <b>Depth To:</b>                           |                   | 17.5                       |                  |      |    |
| <b>Hole Depth UOM:</b>                     |                   | ft                         |                  |      |    |
| <b>Hole Diameter UOM:</b>                  |                   | inch                       |                  |      |    |

|                                 |                                    |          |              |                              |            |
|---------------------------------|------------------------------------|----------|--------------|------------------------------|------------|
| <a href="#">40</a>              | 1 of 1                             | NE/180.0 | 69.9 / -1.08 | 59 Main Street<br>ottawa ON  | EHS        |
| <b>Order No:</b>                | 20110112012                        |          |              | <b>Nearest Intersection:</b> |            |
| <b>Status:</b>                  | C                                  |          |              | <b>Municipality:</b>         |            |
| <b>Report Type:</b>             | Standard Report                    |          |              | <b>Client Prov/State:</b>    | ON         |
| <b>Report Date:</b>             | 1/20/2011                          |          |              | <b>Search Radius (km):</b>   | 0.25       |
| <b>Date Received:</b>           | 1/12/2011 11:32:52 AM              |          |              | <b>X:</b>                    | -75.680197 |
| <b>Previous Site Name:</b>      |                                    |          |              | <b>Y:</b>                    | 45.413151  |
| <b>Lot/Building Size:</b>       |                                    |          |              |                              |            |
| <b>Additional Info Ordered:</b> | Fire Insur. Maps and/or Site Plans |          |              |                              |            |

|                    |             |                              |              |                                |     |
|--------------------|-------------|------------------------------|--------------|--------------------------------|-----|
| <a href="#">41</a> | 1 of 1      | ENE/180.9                    | 69.9 / -1.08 | 65 Main St<br>Ottawa ON K1S1B5 | EHS |
| <b>Order No:</b>   | 20171107016 | <b>Nearest Intersection:</b> |              |                                |     |

| Map Key                         | Number of Records | Direction/ Distance (m)            | Elev/Diff (m) | Site                       | DB         |
|---------------------------------|-------------------|------------------------------------|---------------|----------------------------|------------|
| <b>Status:</b>                  |                   | C                                  |               | <b>Municipality:</b>       |            |
| <b>Report Type:</b>             |                   | Standard Report                    |               | <b>Client Prov/State:</b>  | ON         |
| <b>Report Date:</b>             |                   | 10-NOV-17                          |               | <b>Search Radius (km):</b> | .25        |
| <b>Date Received:</b>           |                   | 07-NOV-17                          |               | <b>X:</b>                  | -75.679672 |
| <b>Previous Site Name:</b>      |                   |                                    |               | <b>Y:</b>                  | 45.412629  |
| <b>Lot/Building Size:</b>       |                   |                                    |               |                            |            |
| <b>Additional Info Ordered:</b> |                   | Fire Insur. Maps and/or Site Plans |               |                            |            |

|                               |        |  |              |                              |                              |
|-------------------------------|--------|--|--------------|------------------------------|------------------------------|
| <a href="#">42</a>            | 1 of 1 | E/182.9                                    | 69.9 / -1.08 | 83 MAIN STREET, OTTAWA<br>ON | PINC                         |
| <b>Incident ID:</b>           |        |  |              | <b>Health Impact:</b>        |                              |
| <b>Incident No:</b>           |        | 1748226                                    |              | <b>Environment Impact:</b>   |                              |
| <b>Type:</b>                  |        | FS-Pipeline Incident                       |              | <b>Property Damage:</b>      | Yes                          |
| <b>Status Code:</b>           |        | Pipeline Damage Reason Est                 |              | <b>Service Interrupt:</b>    |                              |
| <b>Fuel Occurrence Tp:</b>    |        |  |              | <b>Enforce Policy:</b>       | Yes                          |
| <b>Fuel Type:</b>             |        |  |              | <b>Public Relation:</b>      |                              |
| <b>Tank Status:</b>           |        | RC Established                             |              | <b>Pipeline System:</b>      |                              |
| <b>Task No:</b>               |        | 5924648                                    |              | <b>Depth:</b>                |                              |
| <b>Spills Action Centre:</b>  |        |  |              | <b>Pipe Material:</b>        |                              |
| <b>Method Details:</b>        |        | E-mail                                     |              | <b>PSIG:</b>                 |                              |
| <b>Fuel Category:</b>         |        | Natural Gas                                |              | <b>Attribute Category:</b>   | FS-Perform P-line Inc Invest |
| <b>Date of Occurrence:</b>    |        |  |              | <b>Regualtor Location:</b>   |                              |
| <b>Occurrence Start Date:</b> |        | 2015/12/14                                 |              |                              |                              |
| <b>Operation Type:</b>        |        |  |              |                              |                              |
| <b>Pipeline Type:</b>         |        |  |              |                              |                              |
| <b>Regulator Type:</b>        |        |  |              |                              |                              |
| <b>Summary:</b>               |        | 83 MAIN STREET, OTTAWA - PIPELINE HIT - 1" |              |                              |                              |
| <b>Reported By:</b>           |        | Peter O'Gorman - ENBRIDGE                  |              |                              |                              |
| <b>Affiliation:</b>           |        |  |              |                              |                              |
| <b>Occurrence Desc:</b>       |        |  |              |                              |                              |
| <b>Damage Reason:</b>         |        | Excavation practices not sufficient        |              |                              |                              |
| <b>Notes:</b>                 |        |  |              |                              |                              |

|                            |        |                                       |              |                           |                  |
|----------------------------|--------|---------------------------------------|--------------|---------------------------|------------------|
| <a href="#">43</a>         | 1 of 1 | W/184.8                               | 61.7 / -9.30 | ON                        | BORE             |
| <b>Borehole ID:</b>        |        | 847432                                |              | <b>Inclin FLG:</b>        | No               |
| <b>OGF ID:</b>             |        | 215589090                             |              | <b>SP Status:</b>         | Initial Entry    |
| <b>Status:</b>             |        | Decommissioned                        |              | <b>Surv Elev:</b>         | No               |
| <b>Type:</b>               |        | Borehole                              |              | <b>Piezometer:</b>        | No               |
| <b>Use:</b>                |        | Geotechnical/Geological Investigation |              | <b>Primary Name:</b>      |                  |
| <b>Completion Date:</b>    |        | 02-FEB-1961                           |              | <b>Municipality:</b>      |                  |
| <b>Static Water Level:</b> |        |                                       |              | <b>Lot:</b>               | LOT F            |
| <b>Primary Water Use:</b>  |        |                                       |              | <b>Township:</b>          | NEPEAN           |
| <b>Sec. Water Use:</b>     |        |                                       |              | <b>Latitude DD:</b>       | 45.411886        |
| <b>Total Depth m:</b>      |        | 36.6                                  |              | <b>Longitude DD:</b>      | -75.684153       |
| <b>Depth Ref:</b>          |        | Ground Surface                        |              | <b>UTM Zone:</b>          | 18               |
| <b>Depth Elev:</b>         |        |                                       |              | <b>Easting:</b>           | 446466           |
| <b>Drill Method:</b>       |        | Diamond Drill                         |              | <b>Northing:</b>          | 5028935          |
| <b>Orig Ground Elev m:</b> |        | 64.1                                  |              | <b>Location Accuracy:</b> |                  |
| <b>Elev Reliabil Note:</b> |        |                                       |              | <b>Accuracy:</b>          | Within 10 metres |
| <b>DEM Ground Elev m:</b>  |        | 72                                    |              |                           |                  |
| <b>Concession:</b>         |        | BROKEN FRONT C                        |              |                           |                  |
| <b>Location D:</b>         |        |                                       |              |                           |                  |
| <b>Survey D:</b>           |        |                                       |              |                           |                  |
| <b>Comments:</b>           |        |                                       |              |                           |                  |

**Borehole Geology Stratum**

| Map Key                          | Number of Records  | Direction/<br>Distance (m) | Elev/Diff<br>(m)    | Site                       | DB            |
|----------------------------------|--|----------------------------|---------------------|----------------------------|---------------|
| <b>Geology Stratum ID:</b>       | 6557494  |                            |                     | <b>Mat Consistency:</b>    | Stiff         |
| <b>Top Depth:</b>                | 0  |                            |                     | <b>Material Moisture:</b>  |               |
| <b>Bottom Depth:</b>             | 7.5  |                            |                     | <b>Material Texture:</b>   |               |
| <b>Material Color:</b>           | Grey-Brown   |                            |                     | <b>Non Geo Mat Type:</b>   |               |
| <b>Material 1:</b>               | Clay   |                            |                     | <b>Geologic Formation:</b> |               |
| <b>Material 2:</b>               | Silt   |                            |                     | <b>Geologic Group:</b>     |               |
| <b>Material 3:</b>               | Fine Sand  |                            |                     | <b>Geologic Period:</b>    |               |
| <b>Material 4:</b>               |  |                            |                     | <b>Depositional Gen:</b>   |               |
| <b>Gsc Material Description:</b> |  |                            |                     |                            |               |
| <b>Stratum Description:</b>      | STIFF GREY TO GREY-BROWN CLAY, SILTY FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field. |                            |                     |                            |               |
| <b>Geology Stratum ID:</b>       | 6557498  |                            |                     | <b>Mat Consistency:</b>    |               |
| <b>Top Depth:</b>                | 32.8   |                            |                     | <b>Material Moisture:</b>  |               |
| <b>Bottom Depth:</b>             | 36.6   |                            |                     | <b>Material Texture:</b>   |               |
| <b>Material Color:</b>           |  |                            |                     | <b>Non Geo Mat Type:</b>   |               |
| <b>Material 1:</b>               | Bedrock  |                            |                     | <b>Geologic Formation:</b> |               |
| <b>Material 2:</b>               |  |                            |                     | <b>Geologic Group:</b>     |               |
| <b>Material 3:</b>               |  |                            |                     | <b>Geologic Period:</b>    |               |
| <b>Material 4:</b>               |  |                            |                     | <b>Depositional Gen:</b>   |               |
| <b>Gsc Material Description:</b> |  |                            |                     |                            |               |
| <b>Stratum Description:</b>      | BEDROCK **Note: Many records provided by the department have a truncated [Stratum Description] field.  |                            |                     |                            |               |
| <b>Geology Stratum ID:</b>       | 6557497  |                            |                     | <b>Mat Consistency:</b>    |               |
| <b>Top Depth:</b>                | 31.5   |                            |                     | <b>Material Moisture:</b>  |               |
| <b>Bottom Depth:</b>             | 32.8   |                            |                     | <b>Material Texture:</b>   |               |
| <b>Material Color:</b>           |  |                            |                     | <b>Non Geo Mat Type:</b>   |               |
| <b>Material 1:</b>               | Till   |                            |                     | <b>Geologic Formation:</b> |               |
| <b>Material 2:</b>               | Sand   |                            |                     | <b>Geologic Group:</b>     |               |
| <b>Material 3:</b>               |  |                            |                     | <b>Geologic Period:</b>    |               |
| <b>Material 4:</b>               |  |                            |                     | <b>Depositional Gen:</b>   |               |
| <b>Gsc Material Description:</b> |  |                            |                     |                            |               |
| <b>Stratum Description:</b>      | SANDY TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.                                     |                            |                     |                            |               |
| <b>Geology Stratum ID:</b>       | 6557495  |                            |                     | <b>Mat Consistency:</b>    | Stiff         |
| <b>Top Depth:</b>                | 7.5  |                            |                     | <b>Material Moisture:</b>  |               |
| <b>Bottom Depth:</b>             | 16.8   |                            |                     | <b>Material Texture:</b>   |               |
| <b>Material Color:</b>           | Grey   |                            |                     | <b>Non Geo Mat Type:</b>   |               |
| <b>Material 1:</b>               | Clay   |                            |                     | <b>Geologic Formation:</b> |               |
| <b>Material 2:</b>               | Silt   |                            |                     | <b>Geologic Group:</b>     |               |
| <b>Material 3:</b>               | Fine Sand  |                            |                     | <b>Geologic Period:</b>    |               |
| <b>Material 4:</b>               |  |                            |                     | <b>Depositional Gen:</b>   |               |
| <b>Gsc Material Description:</b> |  |                            |                     |                            |               |
| <b>Stratum Description:</b>      | STIFF GREY SILTY CLAY SOME FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.           |                            |                     |                            |               |
| <b>Geology Stratum ID:</b>       | 6557496  |                            |                     | <b>Mat Consistency:</b>    | Compact       |
| <b>Top Depth:</b>                | 16.8   |                            |                     | <b>Material Moisture:</b>  |               |
| <b>Bottom Depth:</b>             | 31.5   |                            |                     | <b>Material Texture:</b>   |               |
| <b>Material Color:</b>           | Grey   |                            |                     | <b>Non Geo Mat Type:</b>   |               |
| <b>Material 1:</b>               | Silt   |                            |                     | <b>Geologic Formation:</b> |               |
| <b>Material 2:</b>               | Fine Sand  |                            |                     | <b>Geologic Group:</b>     |               |
| <b>Material 3:</b>               | Clay   |                            |                     | <b>Geologic Period:</b>    |               |
| <b>Material 4:</b>               |  |                            |                     | <b>Depositional Gen:</b>   |               |
| <b>Gsc Material Description:</b> |  |                            |                     |                            |               |
| <b>Stratum Description:</b>      | COMPACT GREY SILT SOME FINE SAND TRACE OF CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field. |                            |                     |                            |               |
| <b>44</b>                        | <b>1 of 1</b>  | <b>W/185.7</b>             | <b>63.2 / -7.75</b> | <b>ON</b>                  | <b>BORE</b>   |
| <b>Borehole ID:</b>              | 847436   |                            |                     | <b>Inclin FLG:</b>         | No            |
| <b>OGF ID:</b>                   | 215589094  |                            |                     | <b>SP Status:</b>          | Initial Entry |
| <b>Status:</b>                   | Decommissioned   |                            |                     | <b>Surv Elev:</b>          | No            |
| <b>Type:</b>                     | Borehole   |                            |                     | <b>Piezometer:</b>         | No            |

| Map Key                    | Number of Records                     | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                      | DB               |
|----------------------------|---------------------------------------|----------------------------|------------------|---------------------------|------------------|
| <b>Use:</b>                | Geotechnical/Geological Investigation |                            |                  | <b>Primary Name:</b>      |                  |
| <b>Completion Date:</b>    | 09-FEB-1961                           |                            |                  | <b>Municipality:</b>      |                  |
| <b>Static Water Level:</b> |                                       |                            |                  | <b>Lot:</b>               | LOT F            |
| <b>Primary Water Use:</b>  |                                       |                            |                  | <b>Township:</b>          | NEPEAN           |
| <b>Sec. Water Use:</b>     |                                       |                            |                  | <b>Latitude DD:</b>       | 45.412039        |
| <b>Total Depth m:</b>      | 17.3                                  |                            |                  | <b>Longitude DD:</b>      | -75.684168       |
| <b>Depth Ref:</b>          | Ground Surface                        |                            |                  | <b>UTM Zone:</b>          | 18               |
| <b>Depth Elev:</b>         |                                       |                            |                  | <b>Easting:</b>           | 446465           |
| <b>Drill Method:</b>       | Diamond Drill                         |                            |                  | <b>Northing:</b>          | 5028952          |
| <b>Orig Ground Elev m:</b> | 64.4                                  |                            |                  | <b>Location Accuracy:</b> |                  |
| <b>Elev Reliabil Note:</b> |                                       |                            |                  | <b>Accuracy:</b>          | Within 10 metres |
| <b>DEM Ground Elev m:</b>  | 72.9                                  |                            |                  |                           |                  |
| <b>Concession:</b>         | BROKEN FRONT C                        |                            |                  |                           |                  |
| <b>Location D:</b>         |                                       |                            |                  |                           |                  |
| <b>Survey D:</b>           |                                       |                            |                  |                           |                  |
| <b>Comments:</b>           |                                       |                            |                  |                           |                  |

#### Borehole Geology Stratum

|                                  |  |  |  |                            |       |
|----------------------------------|--|--|--|----------------------------|-------|
| <b>Geology Stratum ID:</b>       | 6557513  |  |  | <b>Mat Consistency:</b>    | Loose |
| <b>Top Depth:</b>                | 0  |  |  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 1.5  |  |  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Brown  |  |  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Fill   |  |  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               |  |  |  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |  |  |  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |  |  |  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |  |  |  |                            |       |
| <b>Stratum Description:</b>      | LOOSE BROWN FILL **Note: Many records provided by the department have a truncated [Stratum Description] field. |  |  |                            |       |

|                                  |   |  |  |                            |       |
|----------------------------------|---|--|--|----------------------------|-------|
| <b>Geology Stratum ID:</b>       | 6557514   |  |  | <b>Mat Consistency:</b>    | Stiff |
| <b>Top Depth:</b>                | 1.5   |  |  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 6.9   |  |  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey  |  |  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay  |  |  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt  |  |  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               | Fine Sand   |  |  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |   |  |  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |   |  |  |                            |       |
| <b>Stratum Description:</b>      | STIFF GREY CLAY SOME SILT TRACE FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field. |  |  |                            |       |

|                                  |  |  |  |                            |       |
|----------------------------------|--|--|--|----------------------------|-------|
| <b>Geology Stratum ID:</b>       | 6557515  |  |  | <b>Mat Consistency:</b>    | Stiff |
| <b>Top Depth:</b>                | 6.9  |  |  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 17.3   |  |  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey   |  |  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay   |  |  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt   |  |  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               | Fine Sand  |  |  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |  |  |  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |  |  |  |                            |       |
| <b>Stratum Description:</b>      | STIFF GREY SILTY CLAY SOME FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field. |  |  |                            |       |

45

1 of 1

ENE/186.2

69.9 / -1.08

OTTAWA ON

WWIS

|                           |                          |  |  |                           |          |
|---------------------------|--------------------------|--|--|---------------------------|----------|
| <b>Well ID:</b>           | 7162756                  |  |  | <b>Data Entry Status:</b> |          |
| <b>Construction Date:</b> |                          |  |  | <b>Data Src:</b>          |          |
| <b>Primary Water Use:</b> | Monitoring and Test Hole |  |  | <b>Date Received:</b>     | 5/5/2011 |
| <b>Sec. Water Use:</b>    | 0                        |  |  | <b>Selected Flag:</b>     | Yes      |
| <b>Final Well Status:</b> | Monitoring and Test Hole |  |  | <b>Abandonment Rec:</b>   |          |
| <b>Water Type:</b>        |                          |  |  | <b>Contractor:</b>        | 7241     |

| Map Key                       | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                    | DB              |
|-------------------------------|-------------------|----------------------------|------------------|-------------------------|-----------------|
| <b>Casing Material:</b>       |                   |                            |                  | <b>Form Version:</b>    | 7               |
| <b>Audit No:</b>              | Z126337           |                            |                  | <b>Owner:</b>           |                 |
| <b>Tag:</b>                   | A111534           |                            |                  | <b>Street Name:</b>     | 61 MAIN ST      |
| <b>Construction Method:</b>   |                   |                            |                  | <b>County:</b>          | OTTAWA-CARLETON |
| <b>Elevation (m):</b>         |                   |                            |                  | <b>Municipality:</b>    | OTTAWA CITY     |
| <b>Elevation Reliability:</b> |                   |                            |                  | <b>Site Info:</b>       |                 |
| <b>Depth to Bedrock:</b>      |                   |                            |                  | <b>Lot:</b>             |                 |
| <b>Well Depth:</b>            |                   |                            |                  | <b>Concession:</b>      |                 |
| <b>Overburden/Bedrock:</b>    |                   |                            |                  | <b>Concession Name:</b> |                 |
| <b>Pump Rate:</b>             |                   |                            |                  | <b>Easting NAD83:</b>   |                 |
| <b>Static Water Level:</b>    |                   |                            |                  | <b>Northing NAD83:</b>  |                 |
| <b>Flowing (Y/N):</b>         |                   |                            |                  | <b>Zone:</b>            |                 |
| <b>Flow Rate:</b>             |                   |                            |                  | <b>UTM Reliability:</b> |                 |
| <b>Clear/Cloudy:</b>          |                   |                            |                  |                         |                 |

**Bore Hole Information**

|                                     |            |                         |                             |
|-------------------------------------|------------|-------------------------|-----------------------------|
| <b>Bore Hole ID:</b>                | 1003505772 | <b>Elevation:</b>       | 68.248382                   |
| <b>DP2BR:</b>                       |            | <b>Elevrc:</b>          |                             |
| <b>Spatial Status:</b>              |            | <b>Zone:</b>            | 18                          |
| <b>Code OB:</b>                     |            | <b>East83:</b>          | 446811                      |
| <b>Code OB Desc:</b>                |            | <b>North83:</b>         | 5029039                     |
| <b>Open Hole:</b>                   |            | <b>Org CS:</b>          | UTM83                       |
| <b>Cluster Kind:</b>                |            | <b>UTMRC:</b>           | 3                           |
| <b>Date Completed:</b>              | 4/13/2011  | <b>UTMRC Desc:</b>      | margin of error : 10 - 30 m |
| <b>Remarks:</b>                     |            | <b>Location Method:</b> | wwr                         |
| <b>Elevrc Desc:</b>                 |            |                         |                             |
| <b>Location Source Date:</b>        |            |                         |                             |
| <b>Improvement Location Source:</b> |            |                         |                             |
| <b>Improvement Location Method:</b> |            |                         |                             |
| <b>Source Revision Comment:</b>     |            |                         |                             |
| <b>Supplier Comment:</b>            |            |                         |                             |

**Overburden and Bedrock**

**Materials Interval**

|                                 |            |
|---------------------------------|------------|
| <b>Formation ID:</b>            | 1003809277 |
| <b>Layer:</b>                   | 3          |
| <b>Color:</b>                   | 2          |
| <b>General Color:</b>           | GREY       |
| <b>Mat1:</b>                    | 05         |
| <b>Most Common Material:</b>    | CLAY       |
| <b>Mat2:</b>                    |            |
| <b>Other Materials:</b>         |            |
| <b>Mat3:</b>                    | 73         |
| <b>Other Materials:</b>         | HARD       |
| <b>Formation Top Depth:</b>     | 4.27       |
| <b>Formation End Depth:</b>     | 5.39       |
| <b>Formation End Depth UOM:</b> | m          |

**Overburden and Bedrock**

**Materials Interval**

|                              |            |
|------------------------------|------------|
| <b>Formation ID:</b>         | 1003809276 |
| <b>Layer:</b>                | 2          |
| <b>Color:</b>                | 2          |
| <b>General Color:</b>        | GREY       |
| <b>Mat1:</b>                 | 05         |
| <b>Most Common Material:</b> | CLAY       |
| <b>Mat2:</b>                 | 28         |
| <b>Other Materials:</b>      | SAND       |
| <b>Mat3:</b>                 | 73         |
| <b>Other Materials:</b>      | HARD       |

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Formation Top Depth:</b>                                 |                          | 2.74                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 4.27                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 1003809275                         |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Color:</b>   |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>  |                          | 10                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | COARSE SAND                        |                          |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |
| <b>Other Materials:</b>                                     |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SOFT                               |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 0                                  |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 2.74                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1003809288                         |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 2.44                               |                          |             |           |
| <b>Plug To:</b>   |                          | 5.79                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1003809286                         |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 0                                  |                          |             |           |
| <b>Plug To:</b>   |                          | 0.31                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1003809287                         |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 0.31                               |                          |             |           |
| <b>Plug To:</b>   |                          | 2.44                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | m                                  |                          |             |           |
| <b><u>Method of Construction &amp; Well<br/>Use</u></b>     |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                              |                          |                                    |                          |             |           |
| <b>Method Construction Code:</b>                            |                          | D                                  |                          |             |           |
| <b>Method Construction:</b>                                 |                          | Direct Push                        |                          |             |           |
| <b>Other Method Construction:</b>                           |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                              |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>   |                          | 1003809274                         |                          |             |           |
| <b>Casing No:</b>   |                          | 0                                  |                          |             |           |
| <b>Comment:</b>   |                          |                                    |                          |             |           |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

Alt Name:

**Construction Record - Casing**

Casing ID: 1003809280  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From: 0  
 Depth To: 2.74  
 Casing Diameter: 3.45  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

**Construction Record - Screen**

Screen ID: 1003809281  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 2.74  
 Screen End Depth: 5.79  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.21

**Hole Diameter**

Hole ID: 1003809278  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 5.79  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

[46](#)      1 of 1      **ENE/192.4**      **69.9 / -1.08**      **Ottawa ON**      **WWIS**

Well ID: 7159685  
 Construction Date:  
 Primary Water Use: Monitoring and Test Hole  
 Sec. Water Use: 0  
 Final Well Status: Test Hole  
 Water Type:  
 Casing Material:  
 Audit No: Z120958  
 Tag: A111617  
 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:  
 Date Received: 2/25/2011  
 Selected Flag: Yes  
 Abandonment Rec:  
 Contractor: 7241  
 Form Version: 7  
 Owner:  
 Street Name: 59 MOIN ST  
 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: 1003479559      Elevation: 68.38079



| Map Key                             | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                    | DB                          |
|-------------------------------------|-------------------|----------------------------|------------------|-------------------------|-----------------------------|
| <b>DP2BR:</b>                       |                   |                            |                  | <b>Elevrc:</b>          |                             |
| <b>Spatial Status:</b>              |                   |                            |                  | <b>Zone:</b>            | 18                          |
| <b>Code OB:</b>                     |                   |                            |                  | <b>East83:</b>          | 446799                      |
| <b>Code OB Desc:</b>                |                   |                            |                  | <b>North83:</b>         | 5029067                     |
| <b>Open Hole:</b>                   |                   |                            |                  | <b>Org CS:</b>          | UTM83                       |
| <b>Cluster Kind:</b>                |                   |                            |                  | <b>UTMRC:</b>           | 3                           |
| <b>Date Completed:</b>              | 1/31/2011         |                            |                  | <b>UTMRC Desc:</b>      | margin of error : 10 - 30 m |
| <b>Remarks:</b>                     |                   |                            |                  | <b>Location Method:</b> | wwr                         |
| <b>Elevrc Desc:</b>                 |                   |                            |                  |                         |                             |
| <b>Location Source Date:</b>        |                   |                            |                  |                         |                             |
| <b>Improvement Location Source:</b> |                   |                            |                  |                         |                             |
| <b>Improvement Location Method:</b> |                   |                            |                  |                         |                             |
| <b>Source Revision Comment:</b>     |                   |                            |                  |                         |                             |
| <b>Supplier Comment:</b>            |                   |                            |                  |                         |                             |

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 1003807941  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 10  
**Most Common Material:** COARSE SAND  
**Mat2:** 85  
**Other Materials:** SOFT  
**Mat3:** 68  
**Other Materials:** DRY  
**Formation Top Depth:** 0  
**Formation End Depth:** 1.5  
**Formation End Depth UOM:** m

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 1003807942  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:** 85  
**Other Materials:** SOFT  
**Mat3:** 91  
**Other Materials:** WATER-BEARING  
**Formation Top Depth:** 1.5  
**Formation End Depth:** 5.49  
**Formation End Depth UOM:** m

**Annular Space/Abandonment**

**Sealing Record**

**Plug ID:** 1003807953  
**Layer:** 3  
**Plug From:** 2.13  
**Plug To:** 5.49  
**Plug Depth UOM:** m

**Annular Space/Abandonment**

**Sealing Record**

**Plug ID:** 1003807951

| <b>Map Key</b>   | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|--|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>                                      |                          | 0                                  |                          |             |           |
| <b>Plug To:</b>  |                          | 0.31                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                                    |                          |             |           |
| <b>Plug ID:</b>  |                          | 1003807952                         |                          |             |           |
| <b>Layer:</b>  |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>                                      |                          | 0.31                               |                          |             |           |
| <b>Plug To:</b>  |                          | 2.13                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | m                                  |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>    |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                         |                          |                                    |                          |             |           |
| <b>Method Construction Code:</b>                       |                          | D                                  |                          |             |           |
| <b>Method Construction:</b>                            |                          | Direct Push                        |                          |             |           |
| <b>Other Method Construction:</b>                      |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                         |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>  |                          | 1003807940                         |                          |             |           |
| <b>Casing No:</b>                                      |                          | 0                                  |                          |             |           |
| <b>Comment:</b>  |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                       |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>             |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                      |                          | 1003807945                         |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                       |                          | 5                                  |                          |             |           |
| <b>Open Hole or Material:</b>                          |                          | PLASTIC                            |                          |             |           |
| <b>Depth From:</b>                                     |                          | 0                                  |                          |             |           |
| <b>Depth To:</b>                                       |                          | 2.44                               |                          |             |           |
| <b>Casing Diameter:</b>                                |                          | 3.45                               |                          |             |           |
| <b>Casing Diameter UOM:</b>                            |                          | cm                                 |                          |             |           |
| <b>Casing Depth UOM:</b>                               |                          | m                                  |                          |             |           |
| <b><u>Construction Record - Screen</u></b>             |                          |                                    |                          |             |           |
| <b>Screen ID:</b>                                      |                          | 1003807946                         |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Slot:</b>   |                          | 10                                 |                          |             |           |
| <b>Screen Top Depth:</b>                               |                          | 2.44                               |                          |             |           |
| <b>Screen End Depth:</b>                               |                          | 5.49                               |                          |             |           |
| <b>Screen Material:</b>                                |                          | 5                                  |                          |             |           |
| <b>Screen Depth UOM:</b>                               |                          | m                                  |                          |             |           |
| <b>Screen Diameter UOM:</b>                            |                          | cm                                 |                          |             |           |
| <b>Screen Diameter:</b>                                |                          | 4.21                               |                          |             |           |
| <b><u>Hole Diameter</u></b>                            |                          |                                    |                          |             |           |
| <b>Hole ID:</b>  |                          | 1003807943                         |                          |             |           |
| <b>Diameter:</b>                                       |                          | 8.25                               |                          |             |           |
| <b>Depth From:</b>                                     |                          | 0                                  |                          |             |           |
| <b>Depth To:</b>                                       |                          | 5.49                               |                          |             |           |
| <b>Hole Depth UOM:</b>                                 |                          | m                                  |                          |             |           |
| <b>Hole Diameter UOM:</b>                              |                          | cm                                 |                          |             |           |

| Map Key  | Number of Records | Direction/<br>Distance (m)   | Elev/Diff<br>(m) | Site      | DB   |
|--|-------------------|--|------------------|-----------|------|
| <a href="#">47</a>   | 1 of 1            | ENE/192.4  | 69.9 / -1.08     | OTTAWA ON | WWIS |
| <b>Well ID:</b> 7162755<br><b>Construction Date:</b><br><b>Primary Water Use:</b> Monitoring and Test Hole<br><b>Sec. Water Use:</b> 0<br><b>Final Well Status:</b> Monitoring and Test Hole<br><b>Water Type:</b><br><b>Casing Material:</b><br><b>Audit No:</b> Z126338<br><b>Tag:</b> A111533<br><b>Construction Method:</b><br><b>Elevation (m):</b><br><b>Elevation Reliability:</b><br><b>Depth to Bedrock:</b><br><b>Well Depth:</b><br><b>Overburden/Bedrock:</b><br><b>Pump Rate:</b><br><b>Static Water Level:</b><br><b>Flowing (Y/N):</b><br><b>Flow Rate:</b><br><b>Clear/Cloudy:</b> |                   | <b>Data Entry Status:</b><br><b>Data Src:</b><br><b>Date Received:</b> 5/5/2011<br><b>Selected Flag:</b> Yes<br><b>Abandonment Rec:</b><br><b>Contractor:</b> 7241<br><b>Form Version:</b> 7<br><b>Owner:</b><br><b>Street Name:</b> 61 MAIN ST<br><b>County:</b> OTTAWA-CARLETON<br><b>Municipality:</b> OTTAWA CITY<br><b>Site Info:</b><br><b>Lot:</b><br><b>Concession:</b><br><b>Concession Name:</b><br><b>Easting NAD83:</b><br><b>Northing NAD83:</b><br><b>Zone:</b><br><b>UTM Reliability:</b> |                  |           |      |
| <b><u>Bore Hole Information</u></b>  |                   |  |                  |           |      |
| <b>Bore Hole ID:</b> 1003505770<br><b>DP2BR:</b><br><b>Spatial Status:</b><br><b>Code OB:</b><br><b>Code OB Desc:</b><br><b>Open Hole:</b><br><b>Cluster Kind:</b><br><b>Date Completed:</b> 4/13/2011<br><b>Remarks:</b><br><b>Elevrc Desc:</b><br><b>Location Source Date:</b><br><b>Improvement Location Source:</b><br><b>Improvement Location Method:</b><br><b>Source Revision Comment:</b><br><b>Supplier Comment:</b>  |                   | <b>Elevation:</b> 68.050025<br><b>Elevrc:</b><br><b>Zone:</b> 18<br><b>East83:</b> 446806<br><b>North83:</b> 5029058<br><b>Org CS:</b> UTM83<br><b>UTMRC:</b> 3<br><b>UTMRC Desc:</b> margin of error : 10 - 30 m<br><b>Location Method:</b> wwr   |                  |           |      |
| <b><u>Overburden and Bedrock</u></b>   |                   |  |                  |           |      |
| <b><u>Materials Interval</u></b>   |                   |  |                  |           |      |
| <b>Formation ID:</b> 1003809261<br><b>Layer:</b> 2<br><b>Color:</b> 2<br><b>General Color:</b> GREY<br><b>Mat1:</b> 05<br><b>Most Common Material:</b> CLAY<br><b>Mat2:</b> 28<br><b>Other Materials:</b> SAND<br><b>Mat3:</b> 73<br><b>Other Materials:</b> HARD<br><b>Formation Top Depth:</b> 2.74<br><b>Formation End Depth:</b> 4.27<br><b>Formation End Depth UOM:</b> m   |                   |  |                  |           |      |
| <b><u>Overburden and Bedrock</u></b>   |                   |  |                  |           |      |
| <b><u>Materials Interval</u></b>   |                   |  |                  |           |      |

| <b>Map Key</b>                                  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Formation ID:</b>                            |                          | 1003809262                         |                          |             |           |
| <b>Layer:</b>                                   |                          | 3                                  |                          |             |           |
| <b>Color:</b>                                   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                           |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>                                    |                          | 05                                 |                          |             |           |
| <b>Most Common Material:</b>                    |                          | CLAY                               |                          |             |           |
| <b>Mat2:</b>                                    |                          |                                    |                          |             |           |
| <b>Other Materials:</b>                         |                          |                                    |                          |             |           |
| <b>Mat3:</b>                                    |                          | 91                                 |                          |             |           |
| <b>Other Materials:</b>                         |                          | WATER-BEARING                      |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 4.27                               |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 5.79                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 1003809260                         |                          |             |           |
| <b>Layer:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Color:</b>                                   |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                           |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>                                    |                          | 10                                 |                          |             |           |
| <b>Most Common Material:</b>                    |                          | COARSE SAND                        |                          |             |           |
| <b>Mat2:</b>                                    |                          |                                    |                          |             |           |
| <b>Other Materials:</b>                         |                          |                                    |                          |             |           |
| <b>Mat3:</b>                                    |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                         |                          | SOFT                               |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 0                                  |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 2.74                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment</u></b>         |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>                    |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                                 |                          | 1003809273                         |                          |             |           |
| <b>Layer:</b>                                   |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>                               |                          | 2.44                               |                          |             |           |
| <b>Plug To:</b>                                 |                          | 5.79                               |                          |             |           |
| <b>Plug Depth UOM:</b>                          |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment</u></b>         |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>                    |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                                 |                          | 1003809271                         |                          |             |           |
| <b>Layer:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>                               |                          | 0                                  |                          |             |           |
| <b>Plug To:</b>                                 |                          | 0.31                               |                          |             |           |
| <b>Plug Depth UOM:</b>                          |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment</u></b>         |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>                    |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                                 |                          | 1003809272                         |                          |             |           |
| <b>Layer:</b>                                   |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>                               |                          | 0.31                               |                          |             |           |
| <b>Plug To:</b>                                 |                          | 2.44                               |                          |             |           |
| <b>Plug Depth UOM:</b>                          |                          | m                                  |                          |             |           |
| <b><u>Method of Construction &amp; Well</u></b> |                          |                                    |                          |             |           |
| <b><u>Use</u></b>                               |                          |                                    |                          |             |           |

| Map Key                                    | Number of Records | Direction/<br>Distance (m)                               | Elev/Diff<br>(m) | Site  | DB |
|--|-------------------|--|------------------|---|----|
| <b>Method Construction ID:</b>             |                   |  |                  |   |    |
| <b>Method Construction Code:</b>           |                   | D  |                  |   |    |
| <b>Method Construction:</b>                |                   | Direct Push  |                  |   |    |
| <b>Other Method Construction:</b>          |                   |  |                  |   |    |
| <b><u>Pipe Information</u></b>             |                   |  |                  |   |    |
| <b>Pipe ID:</b>                            |                   | 1003809259   |                  |   |    |
| <b>Casing No:</b>                          |                   | 0  |                  |   |    |
| <b>Comment:</b>                            |                   |  |                  |   |    |
| <b>Alt Name:</b>                           |                   |  |                  |   |    |
| <b><u>Construction Record - Casing</u></b> |                   |  |                  |   |    |
| <b>Casing ID:</b>                          |                   | 1003809265   |                  |   |    |
| <b>Layer:</b>                              |                   | 1  |                  |   |    |
| <b>Material:</b>                           |                   | 5  |                  |   |    |
| <b>Open Hole or Material:</b>              |                   | PLASTIC  |                  |   |    |
| <b>Depth From:</b>                         |                   | 0  |                  |   |    |
| <b>Depth To:</b>                           |                   | 2.74   |                  |   |    |
| <b>Casing Diameter:</b>                    |                   | 3.45   |                  |   |    |
| <b>Casing Diameter UOM:</b>                |                   | cm   |                  |   |    |
| <b>Casing Depth UOM:</b>                   |                   | m  |                  |   |    |
| <b><u>Construction Record - Screen</u></b> |                   |  |                  |   |    |
| <b>Screen ID:</b>                          |                   | 1003809266   |                  |   |    |
| <b>Layer:</b>                              |                   | 1  |                  |   |    |
| <b>Slot:</b>                               |                   | 10   |                  |   |    |
| <b>Screen Top Depth:</b>                   |                   | 2.74   |                  |   |    |
| <b>Screen End Depth:</b>                   |                   | 5.79   |                  |   |    |
| <b>Screen Material:</b>                    |                   | 5  |                  |   |    |
| <b>Screen Depth UOM:</b>                   |                   | m  |                  |   |    |
| <b>Screen Diameter UOM:</b>                |                   | cm   |                  |   |    |
| <b>Screen Diameter:</b>                    |                   | 4.21   |                  |   |    |
| <b><u>Hole Diameter</u></b>                |                   |  |                  |   |    |
| <b>Hole ID:</b>                            |                   | 1003809263   |                  |   |    |
| <b>Diameter:</b>                           |                   | 8.25   |                  |   |    |
| <b>Depth From:</b>                         |                   | 0  |                  |   |    |
| <b>Depth To:</b>                           |                   | 5.79   |                  |   |    |
| <b>Hole Depth UOM:</b>                     |                   | m  |                  |   |    |
| <b>Hole Diameter UOM:</b>                  |                   | cm   |                  |   |    |
| <a href="#">48</a>                         | 1 of 1            | NNE/192.7  | 67.9 / -3.03     | T-Base Communications Inc.<br>50 Main St<br>Ottawa ON K1S 1B2 | SC |
| <b>Established:</b>                        |                   | 1998   |                  |   |    |
| <b>Plant Size (ft²):</b>                   |                   |  |                  |   |    |
| <b>Employment:</b>                         |                   | 11   |                  |   |    |
| <b>--Details--</b>                         |                   |  |                  |   |    |
| <b>Description:</b>                        |                   | Digital Printing   |                  |   |    |
| <b>SIC/NAICS Code:</b>                     |                   | 323115   |                  |   |    |
| <b>Description:</b>                        |                   | Other Printing   |                  |   |    |
| <b>SIC/NAICS Code:</b>                     |                   | 323119   |                  |   |    |
| <b>Description:</b>                        |                   | Manufacturing and Reproducing Magnetic and Optical Media |                  |   |    |

| Map Key                | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|------------------------|-------------------|----------------------------|------------------|------|----|
| <b>SIC/NAICS Code:</b> |                   | 334610                     |                  |      |    |
| <b>Description:</b>    |                   | Software Publishers        |                  |      |    |
| <b>SIC/NAICS Code:</b> |                   | 511210                     |                  |      |    |

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|                               |                          |                           |                 |
|-------------------------------|--------------------------|---------------------------|-----------------|
| <b>Well ID:</b>               | 7155882                  | <b>Data Entry Status:</b> |                 |
| <b>Construction Date:</b>     |                          | <b>Data Src:</b>          |                 |
| <b>Primary Water Use:</b>     | Monitoring and Test Hole | <b>Date Received:</b>     | 12/8/2010       |
| <b>Sec. Water Use:</b>        | 0                        | <b>Selected Flag:</b>     | Yes             |
| <b>Final Well Status:</b>     | Monitoring and Test Hole | <b>Abandonment Rec:</b>   |                 |
| <b>Water Type:</b>            |                          | <b>Contractor:</b>        | 7241            |
| <b>Casing Material:</b>       |                          | <b>Form Version:</b>      | 7               |
| <b>Audit No:</b>              | Z120940                  | <b>Owner:</b>             |                 |
| <b>Tag:</b>                   | A104502                  | <b>Street Name:</b>       | COLONEL DR.     |
| <b>Construction Method:</b>   |                          | <b>County:</b>            | OTTAWA-CARLETON |
| <b>Elevation (m):</b>         |                          | <b>Municipality:</b>      | OTTAWA CITY     |
| <b>Elevation Reliability:</b> |                          | <b>Site Info:</b>         |                 |
| <b>Depth to Bedrock:</b>      |                          | <b>Lot:</b>               |                 |
| <b>Well Depth:</b>            |                          | <b>Concession:</b>        |                 |
| <b>Overburden/Bedrock:</b>    |                          | <b>Concession Name:</b>   |                 |
| <b>Pump Rate:</b>             |                          | <b>Easting NAD83:</b>     |                 |
| <b>Static Water Level:</b>    |                          | <b>Northing NAD83:</b>    |                 |
| <b>Flowing (Y/N):</b>         |                          | <b>Zone:</b>              |                 |
| <b>Flow Rate:</b>             |                          | <b>UTM Reliability:</b>   |                 |
| <b>Clear/Cloudy:</b>          |                          |                           |                 |

**Bore Hole Information**

|                                     |            |                         |                             |
|-------------------------------------|------------|-------------------------|-----------------------------|
| <b>Bore Hole ID:</b>                | 1003433872 | <b>Elevation:</b>       | 67.128974                   |
| <b>DP2BR:</b>                       |            | <b>Elevrc:</b>          |                             |
| <b>Spatial Status:</b>              |            | <b>Zone:</b>            | 18                          |
| <b>Code OB:</b>                     |            | <b>East83:</b>          | 446608                      |
| <b>Code OB Desc:</b>                |            | <b>North83:</b>         | 5029133                     |
| <b>Open Hole:</b>                   |            | <b>Org CS:</b>          | UTM83                       |
| <b>Cluster Kind:</b>                |            | <b>UTMRC:</b>           | 3                           |
| <b>Date Completed:</b>              | 10/19/2010 | <b>UTMRC Desc:</b>      | margin of error : 10 - 30 m |
| <b>Remarks:</b>                     |            | <b>Location Method:</b> | wwr                         |
| <b>Elevrc Desc:</b>                 |            |                         |                             |
| <b>Location Source Date:</b>        |            |                         |                             |
| <b>Improvement Location Source:</b> |            |                         |                             |
| <b>Improvement Location Method:</b> |            |                         |                             |
| <b>Source Revision Comment:</b>     |            |                         |                             |
| <b>Supplier Comment:</b>            |            |                         |                             |

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

|                              |               |
|------------------------------|---------------|
| <b>Formation ID:</b>         | 1003638545    |
| <b>Layer:</b>                | 4             |
| <b>Color:</b>                | 2             |
| <b>General Color:</b>        | GREY          |
| <b>Mat1:</b>                 | 05            |
| <b>Most Common Material:</b> | CLAY          |
| <b>Mat2:</b>                 | 85            |
| <b>Other Materials:</b>      | SOFT          |
| <b>Mat3:</b>                 | 91            |
| <b>Other Materials:</b>      | WATER-BEARING |
| <b>Formation Top Depth:</b>  | 3.66          |
| <b>Formation End Depth:</b>  | 4.57          |

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/ Distance (m)</b> | <b>Elev/Diff (m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|--------------------------------|----------------------|-------------|-----------|
| <b>Formation End Depth UOM:</b>                         |                          | m                              |                      |             |           |
| <b><u>Overburden and Bedrock Materials Interval</u></b> |                          |                                |                      |             |           |
| <b>Formation ID:</b>                                    |                          | 1003638543                     |                      |             |           |
| <b>Layer:</b>   |                          | 2                              |                      |             |           |
| <b>Color:</b>   |                          | 6                              |                      |             |           |
| <b>General Color:</b>                                   |                          | BROWN                          |                      |             |           |
| <b>Mat1:</b>  |                          | 28                             |                      |             |           |
| <b>Most Common Material:</b>                            |                          | SAND                           |                      |             |           |
| <b>Mat2:</b>  |                          | 85                             |                      |             |           |
| <b>Other Materials:</b>                                 |                          | SOFT                           |                      |             |           |
| <b>Mat3:</b>  |                          | 68                             |                      |             |           |
| <b>Other Materials:</b>                                 |                          | DRY                            |                      |             |           |
| <b>Formation Top Depth:</b>                             |                          | 0.91                           |                      |             |           |
| <b>Formation End Depth:</b>                             |                          | 2.44                           |                      |             |           |
| <b>Formation End Depth UOM:</b>                         |                          | m                              |                      |             |           |
| <b><u>Overburden and Bedrock Materials Interval</u></b> |                          |                                |                      |             |           |
| <b>Formation ID:</b>                                    |                          | 1003638544                     |                      |             |           |
| <b>Layer:</b>   |                          | 3                              |                      |             |           |
| <b>Color:</b>   |                          | 6                              |                      |             |           |
| <b>General Color:</b>                                   |                          | BROWN                          |                      |             |           |
| <b>Mat1:</b>  |                          | 28                             |                      |             |           |
| <b>Most Common Material:</b>                            |                          | SAND                           |                      |             |           |
| <b>Mat2:</b>  |                          | 85                             |                      |             |           |
| <b>Other Materials:</b>                                 |                          | SOFT                           |                      |             |           |
| <b>Mat3:</b>  |                          | 68                             |                      |             |           |
| <b>Other Materials:</b>                                 |                          | DRY                            |                      |             |           |
| <b>Formation Top Depth:</b>                             |                          | 2.44                           |                      |             |           |
| <b>Formation End Depth:</b>                             |                          | 3.66                           |                      |             |           |
| <b>Formation End Depth UOM:</b>                         |                          | m                              |                      |             |           |
| <b><u>Overburden and Bedrock Materials Interval</u></b> |                          |                                |                      |             |           |
| <b>Formation ID:</b>                                    |                          | 1003638542                     |                      |             |           |
| <b>Layer:</b>   |                          | 1                              |                      |             |           |
| <b>Color:</b>   |                          | 8                              |                      |             |           |
| <b>General Color:</b>                                   |                          | BLACK                          |                      |             |           |
| <b>Mat1:</b>  |                          | 02                             |                      |             |           |
| <b>Most Common Material:</b>                            |                          | TOPSOIL                        |                      |             |           |
| <b>Mat2:</b>  |                          | 85                             |                      |             |           |
| <b>Other Materials:</b>                                 |                          | SOFT                           |                      |             |           |
| <b>Mat3:</b>  |                          | 68                             |                      |             |           |
| <b>Other Materials:</b>                                 |                          | DRY                            |                      |             |           |
| <b>Formation Top Depth:</b>                             |                          | 0                              |                      |             |           |
| <b>Formation End Depth:</b>                             |                          | 0.91                           |                      |             |           |
| <b>Formation End Depth UOM:</b>                         |                          | m                              |                      |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b>  |                          |                                |                      |             |           |
| <b>Plug ID:</b>   |                          | 1003638547                     |                      |             |           |
| <b>Layer:</b>   |                          | 1                              |                      |             |           |
| <b>Plug From:</b>                                       |                          | 0                              |                      |             |           |
| <b>Plug To:</b>   |                          | 0.31                           |                      |             |           |
| <b>Plug Depth UOM:</b>                                  |                          | m                              |                      |             |           |

| <i>Map Key</i>   | <i>Number of Records</i> | <i>Direction/ Distance (m)</i> | <i>Elev/Diff (m)</i> | <i>Site</i> | <i>DB</i> |
|--|--------------------------|--------------------------------|----------------------|-------------|-----------|
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                                |                      |             |           |
| <b>Plug ID:</b>  |                          | 1003638548                     |                      |             |           |
| <b>Layer:</b>  |                          | 2                              |                      |             |           |
| <b>Plug From:</b>                                      |                          | 0.31                           |                      |             |           |
| <b>Plug To:</b>  |                          | 1.22                           |                      |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | m                              |                      |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                                |                      |             |           |
| <b>Plug ID:</b>  |                          | 1003638549                     |                      |             |           |
| <b>Layer:</b>  |                          | 3                              |                      |             |           |
| <b>Plug From:</b>                                      |                          | 1.22                           |                      |             |           |
| <b>Plug To:</b>  |                          | 4.57                           |                      |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | m                              |                      |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>    |                          |                                |                      |             |           |
| <b>Method Construction ID:</b>                         |                          |                                |                      |             |           |
| <b>Method Construction Code:</b>                       |                          | B                              |                      |             |           |
| <b>Method Construction:</b>                            |                          | Other Method                   |                      |             |           |
| <b>Other Method Construction:</b>                      |                          | DIRECT PUSH                    |                      |             |           |
| <b><u>Pipe Information</u></b>                         |                          |                                |                      |             |           |
| <b>Pipe ID:</b>  |                          | 1003638541                     |                      |             |           |
| <b>Casing No:</b>                                      |                          | 0                              |                      |             |           |
| <b>Comment:</b>  |                          |                                |                      |             |           |
| <b>Alt Name:</b>                                       |                          |                                |                      |             |           |
| <b><u>Construction Record - Casing</u></b>             |                          |                                |                      |             |           |
| <b>Casing ID:</b>                                      |                          | 1003638551                     |                      |             |           |
| <b>Layer:</b>  |                          | 1                              |                      |             |           |
| <b>Material:</b>                                       |                          | 5                              |                      |             |           |
| <b>Open Hole or Material:</b>                          |                          | PLASTIC                        |                      |             |           |
| <b>Depth From:</b>                                     |                          | 0                              |                      |             |           |
| <b>Depth To:</b>                                       |                          | 1.5                            |                      |             |           |
| <b>Casing Diameter:</b>                                |                          | 4.03                           |                      |             |           |
| <b>Casing Diameter UOM:</b>                            |                          | cm                             |                      |             |           |
| <b>Casing Depth UOM:</b>                               |                          | m                              |                      |             |           |
| <b><u>Construction Record - Screen</u></b>             |                          |                                |                      |             |           |
| <b>Screen ID:</b>                                      |                          | 1003638552                     |                      |             |           |
| <b>Layer:</b>  |                          | 1                              |                      |             |           |
| <b>Slot:</b>   |                          | 10                             |                      |             |           |
| <b>Screen Top Depth:</b>                               |                          | 1.5                            |                      |             |           |
| <b>Screen End Depth:</b>                               |                          | 4.57                           |                      |             |           |
| <b>Screen Material:</b>                                |                          | 5                              |                      |             |           |
| <b>Screen Depth UOM:</b>                               |                          | m                              |                      |             |           |
| <b>Screen Diameter UOM:</b>                            |                          | cm                             |                      |             |           |
| <b>Screen Diameter:</b>                                |                          | 4.82                           |                      |             |           |
| <b><u>Hole Diameter</u></b>                            |                          |                                |                      |             |           |
| <b>Hole ID:</b>  |                          | 1003638546                     |                      |             |           |
| <b>Diameter:</b>                                       |                          | 8.25                           |                      |             |           |



| Map Key            | Number of Records  | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site  | DB          |
|--------------------|--|----------------------------|------------------|---|-------------|
| Depth From:        |  | 0                          |                  |   |             |
| Depth To:          |  | 4.57                       |                  |   |             |
| Hole Depth UOM:    |  | m                          |                  |   |             |
| Hole Diameter UOM: |  | cm                         |                  |   |             |
| <a href="#">50</a> | 1 of 5   | E/198.3                    | 69.9 / -1.04     | Main Cleaners Inc.<br>89 main Street<br>Ottawa ON         | GEN         |
| Generator No:      | ON9769647  |                            |                  | PO Box No:  |             |
| Status:            |  |                            |                  | Country:  |             |
| Approval Years:    | 2013   |                            |                  | Choice of Contact:  |             |
| Contam. Facility:  |  |                            |                  | Co Admin:   |             |
| MHSW Facility:     |  |                            |                  | Phone No Admin:   |             |
| SIC Code:          | 812320   |                            |                  |   |             |
| SIC Description:   | DRY CLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED) |                            |                  |   |             |
| <u>Detail(s)</u>   |  |                            |                  |   |             |
| Waste Class:       | 241  |                            |                  |   |             |
| Waste Class Desc:  | HALOGENATED SOLVENTS                                     |                            |                  |   |             |
| <a href="#">50</a> | 2 of 5   | E/198.3                    | 69.9 / -1.04     | Ali Gharibi<br>89 main Street<br>Ottawa ON K1S 1B7        | GEN         |
| Generator No:      | ON9769647  |                            |                  | PO Box No:  |             |
| Status:            |  |                            |                  | Country:  | Canada      |
| Approval Years:    | 2016   |                            |                  | Choice of Contact:  | CO_OFFICIAL |
| Contam. Facility:  | No   |                            |                  | Co Admin:   |             |
| MHSW Facility:     | No   |                            |                  | Phone No Admin:   |             |
| SIC Code:          | 812320   |                            |                  |   |             |
| SIC Description:   | DRY CLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED) |                            |                  |   |             |
| <u>Detail(s)</u>   |  |                            |                  |   |             |
| Waste Class:       | 241  |                            |                  |   |             |
| Waste Class Desc:  | HALOGENATED SOLVENTS                                     |                            |                  |   |             |
| <a href="#">50</a> | 3 of 5   | E/198.3                    | 69.9 / -1.04     | Ali Gharibi<br>89 main Street<br>Ottawa ON K1S 1B7        | GEN         |
| Generator No:      | ON9769647  |                            |                  | PO Box No:  |             |
| Status:            |  |                            |                  | Country:  | Canada      |
| Approval Years:    | 2015   |                            |                  | Choice of Contact:  | CO_OFFICIAL |
| Contam. Facility:  | No   |                            |                  | Co Admin:   |             |
| MHSW Facility:     | No   |                            |                  | Phone No Admin:   |             |
| SIC Code:          | 812320   |                            |                  |   |             |
| SIC Description:   | DRY CLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED) |                            |                  |   |             |
| <u>Detail(s)</u>   |  |                            |                  |   |             |
| Waste Class:       | 241  |                            |                  |   |             |
| Waste Class Desc:  | HALOGENATED SOLVENTS                                     |                            |                  |   |             |
| <a href="#">50</a> | 4 of 5   | E/198.3                    | 69.9 / -1.04     | Main Cleaners Inc.<br>89 main Street<br>Ottawa ON K1S 1B7 | GEN         |

| Map Key                  | Number of Records  | Direction/ Distance (m) | Elev/Diff (m) | Site                      | DB          |
|--------------------------|--|-------------------------|---------------|---------------------------|-------------|
| <b>Generator No:</b>     | ON9769647  |                         |               | <b>PO Box No:</b>         |             |
| <b>Status:</b>           |  |                         |               | <b>Country:</b>           | Canada      |
| <b>Approval Years:</b>   | 2014   |                         |               | <b>Choice of Contact:</b> | CO_OFFICIAL |
| <b>Contam. Facility:</b> | No   |                         |               | <b>Co Admin:</b>          |             |
| <b>MHSW Facility:</b>    | No   |                         |               | <b>Phone No Admin:</b>    |             |
| <b>SIC Code:</b>         | 812320   |                         |               |                           |             |
| <b>SIC Description:</b>  | DRY CLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED) |                         |               |                           |             |

Detail(s)

**Waste Class:** 241  
**Waste Class Desc:** HALOGENATED SOLVENTS

|                    |        |         |              |   |             |
|--------------------|--------|---------|--------------|---|-------------|
| <a href="#">50</a> | 5 of 5 | E/198.3 | 69.9 / -1.04 | <b>Main Cleaners</b><br>89 Main St.<br>Ottawa ON K1S1B7 | <b>CDRY</b> |
|--------------------|--------|---------|--------------|---|-------------|

**Legal Name of Company:**

Waste Quantity by Year

**Reporting Year:** 2015  
**Quantity of PERC (kg):** -  
**Total Waste Water (kg):** -  
**Total Waste Water (L):** -  
**Total Residue (kg):** -  
**Total Residue (L):** -  
**Total Mix (kg):** -  
**Total Mix (L):** -  
**Request for Confidentiality:** No  
**Reason for Confidentiality:**

**Reporting Year:** 2014  
**Quantity of PERC (kg):** -  
**Total Waste Water (kg):** -  
**Total Waste Water (L):** -  
**Total Residue (kg):** -  
**Total Residue (L):** -  
**Total Mix (kg):** -  
**Total Mix (L):** -  
**Request for Confidentiality:** No  
**Reason for Confidentiality:**

**Reporting Year:** 2011  
**Quantity of PERC (kg):** 64.8  
**Total Waste Water (kg):** -  
**Total Waste Water (L):** -  
**Total Residue (kg):** -  
**Total Residue (L):** -  
**Total Mix (kg):** -  
**Total Mix (L):** -  
**Request for Confidentiality:** No  
**Reason for Confidentiality:**

**Reporting Year:** 2010  
**Quantity of PERC (kg):** 64.8  
**Total Waste Water (kg):** -  
**Total Waste Water (L):** -  
**Total Residue (kg):** -  
**Total Residue (L):** -  
**Total Mix (kg):** -  
**Total Mix (L):** -  
**Request for Confidentiality:** No

| <b>Map Key</b>                      | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|-------------------------------------|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Reason for Confidentiality:</b>  |                          |                                    |                          |             |           |
| <b>Reporting Year:</b>              |                          | 2009                               |                          |             |           |
| <b>Quantity of PERC (kg):</b>       |                          | 64.8                               |                          |             |           |
| <b>Total Waste Water (kg):</b>      |                          | 0                                  |                          |             |           |
| <b>Total Waste Water (L):</b>       |                          | -                                  |                          |             |           |
| <b>Total Residue (kg):</b>          |                          | 0                                  |                          |             |           |
| <b>Total Residue (L):</b>           |                          | -                                  |                          |             |           |
| <b>Total Mix (kg):</b>              |                          | -                                  |                          |             |           |
| <b>Total Mix (L):</b>               |                          | 115                                |                          |             |           |
| <b>Request for Confidentiality:</b> |                          | No                                 |                          |             |           |
| <b>Reason for Confidentiality:</b>  |                          |                                    |                          |             |           |
| <b>Reporting Year:</b>              |                          | 2008                               |                          |             |           |
| <b>Quantity of PERC (kg):</b>       |                          | 65                                 |                          |             |           |
| <b>Total Waste Water (kg):</b>      |                          | -                                  |                          |             |           |
| <b>Total Waste Water (L):</b>       |                          | -                                  |                          |             |           |
| <b>Total Residue (kg):</b>          |                          | -                                  |                          |             |           |
| <b>Total Residue (L):</b>           |                          | -                                  |                          |             |           |
| <b>Total Mix (kg):</b>              |                          | -                                  |                          |             |           |
| <b>Total Mix (L):</b>               |                          | -                                  |                          |             |           |
| <b>Request for Confidentiality:</b> |                          | No                                 |                          |             |           |
| <b>Reason for Confidentiality:</b>  |                          |                                    |                          |             |           |
| <b>Reporting Year:</b>              |                          | 2007                               |                          |             |           |
| <b>Quantity of PERC (kg):</b>       |                          | 129.6                              |                          |             |           |
| <b>Total Waste Water (kg):</b>      |                          | -                                  |                          |             |           |
| <b>Total Waste Water (L):</b>       |                          | -                                  |                          |             |           |
| <b>Total Residue (kg):</b>          |                          | -                                  |                          |             |           |
| <b>Total Residue (L):</b>           |                          | -                                  |                          |             |           |
| <b>Total Mix (kg):</b>              |                          | -                                  |                          |             |           |
| <b>Total Mix (L):</b>               |                          | -                                  |                          |             |           |
| <b>Request for Confidentiality:</b> |                          | No                                 |                          |             |           |
| <b>Reason for Confidentiality:</b>  |                          | N/A                                |                          |             |           |
| <b>Reporting Year:</b>              |                          | 2006                               |                          |             |           |
| <b>Quantity of PERC (kg):</b>       |                          | 64.8                               |                          |             |           |
| <b>Total Waste Water (kg):</b>      |                          | -                                  |                          |             |           |
| <b>Total Waste Water (L):</b>       |                          | -                                  |                          |             |           |
| <b>Total Residue (kg):</b>          |                          | -                                  |                          |             |           |
| <b>Total Residue (L):</b>           |                          | -                                  |                          |             |           |
| <b>Total Mix (kg):</b>              |                          | -                                  |                          |             |           |
| <b>Total Mix (L):</b>               |                          | -                                  |                          |             |           |
| <b>Request for Confidentiality:</b> |                          | No                                 |                          |             |           |
| <b>Reason for Confidentiality:</b>  |                          | N/A                                |                          |             |           |
| <b>Reporting Year:</b>              |                          | 2005                               |                          |             |           |
| <b>Quantity of PERC (kg):</b>       |                          | 64.8                               |                          |             |           |
| <b>Total Waste Water (kg):</b>      |                          | 0                                  |                          |             |           |
| <b>Total Waste Water (L):</b>       |                          | -                                  |                          |             |           |
| <b>Total Residue (kg):</b>          |                          | 0                                  |                          |             |           |
| <b>Total Residue (L):</b>           |                          | -                                  |                          |             |           |
| <b>Total Mix (kg):</b>              |                          | -                                  |                          |             |           |
| <b>Total Mix (L):</b>               |                          | 211.3                              |                          |             |           |
| <b>Request for Confidentiality:</b> |                          | No                                 |                          |             |           |
| <b>Reason for Confidentiality:</b>  |                          | N/A                                |                          |             |           |
| <b>Reporting Year:</b>              |                          | 2004                               |                          |             |           |
| <b>Quantity of PERC (kg):</b>       |                          | 24.3                               |                          |             |           |
| <b>Total Waste Water (kg):</b>      |                          | -                                  |                          |             |           |
| <b>Total Waste Water (L):</b>       |                          | -                                  |                          |             |           |
| <b>Total Residue (kg):</b>          |                          | -                                  |                          |             |           |
| <b>Total Residue (L):</b>           |                          | -                                  |                          |             |           |
| <b>Total Mix (kg):</b>              |                          | -                                  |                          |             |           |
| <b>Total Mix (L):</b>               |                          | -                                  |                          |             |           |
| <b>Request for Confidentiality:</b> |                          | No                                 |                          |             |           |

| Map Key                                | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m)    | Site   | DB               |
|--|---|----------------------------|---------------------|--|------------------|
| <b>Reason for Confidentiality:</b>     |   | N/A                        |                     |  |                  |
| <a href="#">51</a>                     | 1 of 2  | <b>NNE/198.4</b>           | <b>66.9 / -4.08</b> | <b>Limestone Developments Ltd.<br/>40 and 44 Main Street<br/>Ottawa ON K1Z 1A7</b> | <b>ECA</b>       |
| <b>Approval No:</b>                    | 5136-544KS2   |                            |                     | <b>MOE District:</b>   | Ottawa           |
| <b>Approval Date:</b>                  | 2001-11-05  |                            |                     | <b>City:</b>   |                  |
| <b>Status:</b>                         | Approved  |                            |                     | <b>Longitude:</b>  | -75.681206       |
| <b>Record Type:</b>                    | ECA   |                            |                     | <b>Latitude:</b>   | 45.41383         |
| <b>Link Source:</b>                    | IDS   |                            |                     | <b>Geometry X:</b>   |                  |
| <b>SWP Area Name:</b>                  | Rideau Valley   |                            |                     | <b>Geometry Y:</b>   |                  |
| <b>Approval Type:</b>                  | ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  |                            |                     |  |                  |
| <b>Project Type:</b>                   | MUNICIPAL AND PRIVATE SEWAGE WORKS  |                            |                     |  |                  |
| <b>Address:</b>                        | 40 and 44 Main Street   |                            |                     |  |                  |
| <b>Full Address:</b>                   |   |                            |                     |  |                  |
| <b>Full PDF Link:</b>                  | <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/9293-53VK5V-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/9293-53VK5V-14.pdf</a> |                            |                     |  |                  |
| <a href="#">51</a>                     | 2 of 2  | <b>NNE/198.4</b>           | <b>66.9 / -4.08</b> | <b>Limestone Developments Ltd.<br/>40 and 44 Main Street<br/>Ottawa ON K1Z 1A7</b> | <b>ECA</b>       |
| <b>Approval No:</b>                    | 5604-4TWSC5   |                            |                     | <b>MOE District:</b>   | Ottawa           |
| <b>Approval Date:</b>                  | 2001-11-05  |                            |                     | <b>City:</b>   |                  |
| <b>Status:</b>                         | Revoked and/or Replaced   |                            |                     | <b>Longitude:</b>  | -75.681206       |
| <b>Record Type:</b>                    | ECA   |                            |                     | <b>Latitude:</b>   | 45.41383         |
| <b>Link Source:</b>                    | IDS   |                            |                     | <b>Geometry X:</b>   |                  |
| <b>SWP Area Name:</b>                  | Rideau Valley   |                            |                     | <b>Geometry Y:</b>   |                  |
| <b>Approval Type:</b>                  | ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  |                            |                     |  |                  |
| <b>Project Type:</b>                   | MUNICIPAL AND PRIVATE SEWAGE WORKS  |                            |                     |  |                  |
| <b>Address:</b>                        | 40 and 44 Main Street   |                            |                     |  |                  |
| <b>Full Address:</b>                   |   |                            |                     |  |                  |
| <b>Full PDF Link:</b>                  | <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/1436-4S6QRT-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/1436-4S6QRT-14.pdf</a> |                            |                     |  |                  |
| <a href="#">52</a>                     | 1 of 1  | <b>NE/198.5</b>            | <b>69.9 / -1.08</b> | <b>ON</b>  | <b>BORE</b>      |
| <b>Borehole ID:</b>                    | 847596  |                            |                     | <b>Inclin FLG:</b>   | No               |
| <b>OGF ID:</b>                         | 215589253   |                            |                     | <b>SP Status:</b>  | Initial Entry    |
| <b>Status:</b>                         | Decommissioned  |                            |                     | <b>Surv Elev:</b>  | No               |
| <b>Type:</b>                           | Borehole  |                            |                     | <b>Piezometer:</b>   | No               |
| <b>Use:</b>                            | Geotechnical/Geological Investigation   |                            |                     | <b>Primary Name:</b>   |                  |
| <b>Completion Date:</b>                | 22-NOV-1961   |                            |                     | <b>Municipality:</b>   |                  |
| <b>Static Water Level:</b>             | 7.8   |                            |                     | <b>Lot:</b>  | ROAD             |
| <b>Primary Water Use:</b>              |   |                            |                     | <b>Township:</b>   | NEPEAN           |
| <b>Sec. Water Use:</b>                 |   |                            |                     | <b>Latitude DD:</b>  | 45.413519        |
| <b>Total Depth m:</b>                  | 31.5  |                            |                     | <b>Longitude DD:</b>   | -75.680492       |
| <b>Depth Ref:</b>                      | Ground Surface  |                            |                     | <b>UTM Zone:</b>   | 18               |
| <b>Depth Elev:</b>                     |   |                            |                     | <b>Easting:</b>  | 446754           |
| <b>Drill Method:</b>                   | Diamond Drill   |                            |                     | <b>Northing:</b>   | 5029114          |
| <b>Orig Ground Elev m:</b>             | 67  |                            |                     | <b>Location Accuracy:</b>  |                  |
| <b>Elev Reliabil Note:</b>             |   |                            |                     | <b>Accuracy:</b>   | Within 10 metres |
| <b>DEM Ground Elev m:</b>              | 70.5  |                            |                     |  |                  |
| <b>Concession:</b>                     |   |                            |                     |  |                  |
| <b>Location D:</b>                     |   |                            |                     |  |                  |
| <b>Survey D:</b>                       |   |                            |                     |  |                  |
| <b>Comments:</b>                       |   |                            |                     |  |                  |
| <b><u>Borehole Geology Stratum</u></b> |   |                            |                     |  |                  |
| <b>Geology Stratum ID:</b>             | 6558129   |                            |                     | <b>Mat Consistency:</b>  | Stiff            |

| Map Key                          | Number of Records  | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                       | DB      |
|----------------------------------|--|----------------------------|------------------|----------------------------|---------|
| <b>Top Depth:</b>                | 1.1  |                            |                  | <b>Material Moisture:</b>  |         |
| <b>Bottom Depth:</b>             | 8.2  |                            |                  | <b>Material Texture:</b>   |         |
| <b>Material Color:</b>           | Grey   |                            |                  | <b>Non Geo Mat Type:</b>   |         |
| <b>Material 1:</b>               | Clay   |                            |                  | <b>Geologic Formation:</b> |         |
| <b>Material 2:</b>               | Silt   |                            |                  | <b>Geologic Group:</b>     |         |
| <b>Material 3:</b>               |  |                            |                  | <b>Geologic Period:</b>    |         |
| <b>Material 4:</b>               |  |                            |                  | <b>Depositional Gen:</b>   |         |
| <b>Gsc Material Description:</b> |  |                            |                  |                            |         |
| <b>Stratum Description:</b>      | STIFF GREY CLAY SOME SILT **Note: Many records provided by the department have a truncated [Stratum Description] field.  |                            |                  |                            |         |
| <b>Geology Stratum ID:</b>       | 6558133  |                            |                  | <b>Mat Consistency:</b>    |         |
| <b>Top Depth:</b>                | 24.1   |                            |                  | <b>Material Moisture:</b>  |         |
| <b>Bottom Depth:</b>             | 27   |                            |                  | <b>Material Texture:</b>   |         |
| <b>Material Color:</b>           |  |                            |                  | <b>Non Geo Mat Type:</b>   |         |
| <b>Material 1:</b>               | Till   |                            |                  | <b>Geologic Formation:</b> |         |
| <b>Material 2:</b>               | Silt - Sand - Gravel   |                            |                  | <b>Geologic Group:</b>     |         |
| <b>Material 3:</b>               | Clay   |                            |                  | <b>Geologic Period:</b>    |         |
| <b>Material 4:</b>               |  |                            |                  | <b>Depositional Gen:</b>   |         |
| <b>Gsc Material Description:</b> |  |                            |                  |                            |         |
| <b>Stratum Description:</b>      | TILL VERY DENSE GREY SANDY SILT WITH GRAVEL TRACE OF CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.                                      |                            |                  |                            |         |
| <b>Geology Stratum ID:</b>       | 6558134  |                            |                  | <b>Mat Consistency:</b>    |         |
| <b>Top Depth:</b>                | 27   |                            |                  | <b>Material Moisture:</b>  |         |
| <b>Bottom Depth:</b>             | 31.5   |                            |                  | <b>Material Texture:</b>   |         |
| <b>Material Color:</b>           | Dark   |                            |                  | <b>Non Geo Mat Type:</b>   |         |
| <b>Material 1:</b>               | Bedrock  |                            |                  | <b>Geologic Formation:</b> |         |
| <b>Material 2:</b>               | Shale  |                            |                  | <b>Geologic Group:</b>     |         |
| <b>Material 3:</b>               |  |                            |                  | <b>Geologic Period:</b>    |         |
| <b>Material 4:</b>               |  |                            |                  | <b>Depositional Gen:</b>   |         |
| <b>Gsc Material Description:</b> |  |                            |                  |                            |         |
| <b>Stratum Description:</b>      | DARK GREY SHALE BEDROCK **Note: Many records provided by the department have a truncated [Stratum Description] field.  |                            |                  |                            |         |
| <b>Geology Stratum ID:</b>       | 6558130  |                            |                  | <b>Mat Consistency:</b>    | Stiff   |
| <b>Top Depth:</b>                | 8.2  |                            |                  | <b>Material Moisture:</b>  |         |
| <b>Bottom Depth:</b>             | 18.1   |                            |                  | <b>Material Texture:</b>   |         |
| <b>Material Color:</b>           | Grey   |                            |                  | <b>Non Geo Mat Type:</b>   |         |
| <b>Material 1:</b>               | Clay   |                            |                  | <b>Geologic Formation:</b> |         |
| <b>Material 2:</b>               | Fine Sand  |                            |                  | <b>Geologic Group:</b>     |         |
| <b>Material 3:</b>               | Shells   |                            |                  | <b>Geologic Period:</b>    |         |
| <b>Material 4:</b>               | organic material   |                            |                  | <b>Depositional Gen:</b>   |         |
| <b>Gsc Material Description:</b> |  |                            |                  |                            |         |
| <b>Stratum Description:</b>      | STIFF GREY SILTY CLAY TRACE OF FINE SAND OCCASIONAL SMALL POCKETS OF SHELLS AND ORGANIC MATTER **Note: Many records provided by the department have a truncated [Stratum Description] field. |                            |                  |                            |         |
| <b>Geology Stratum ID:</b>       | 6558132  |                            |                  | <b>Mat Consistency:</b>    | Dense   |
| <b>Top Depth:</b>                | 21.6   |                            |                  | <b>Material Moisture:</b>  |         |
| <b>Bottom Depth:</b>             | 24.1   |                            |                  | <b>Material Texture:</b>   |         |
| <b>Material Color:</b>           | Grey   |                            |                  | <b>Non Geo Mat Type:</b>   |         |
| <b>Material 1:</b>               | Silt   |                            |                  | <b>Geologic Formation:</b> |         |
| <b>Material 2:</b>               | Sand   |                            |                  | <b>Geologic Group:</b>     |         |
| <b>Material 3:</b>               | Fine Sand  |                            |                  | <b>Geologic Period:</b>    |         |
| <b>Material 4:</b>               | Clay   |                            |                  | <b>Depositional Gen:</b>   |         |
| <b>Gsc Material Description:</b> |  |                            |                  |                            |         |
| <b>Stratum Description:</b>      | DENSE GREY SANDY SILT TO SILTY FINE SAND TRACE OF CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.   |                            |                  |                            |         |
| <b>Geology Stratum ID:</b>       | 6558131  |                            |                  | <b>Mat Consistency:</b>    | Compact |
| <b>Top Depth:</b>                | 18.1   |                            |                  | <b>Material Moisture:</b>  |         |
| <b>Bottom Depth:</b>             | 21.6   |                            |                  | <b>Material Texture:</b>   |         |
| <b>Material Color:</b>           | Grey   |                            |                  | <b>Non Geo Mat Type:</b>   |         |
| <b>Material 1:</b>               | Silt   |                            |                  | <b>Geologic Formation:</b> |         |
| <b>Material 2:</b>               | Fine Sand  |                            |                  | <b>Geologic Group:</b>     |         |

| Map Key  | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site  | DB         |
|--|---|----------------------------|------------------|---|------------|
| <b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b>  | Clay  |                            |                  | <b>Geologic Period:</b><br><b>Depositional Gen:</b>   |            |
| <b>Geology Stratum ID:</b><br><b>Top Depth:</b><br><b>Bottom Depth:</b><br><b>Material Color:</b><br><b>Material 1:</b><br><b>Material 2:</b><br><b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b> | 6558128<br>0<br>1.1<br>Brown<br>Fill<br>Sand<br>Silt<br>Cinders           |                            |                  | <b>Mat Consistency:</b><br><b>Material Moisture:</b><br><b>Material Texture:</b><br><b>Non Geo Mat Type:</b><br><b>Geologic Formation:</b><br><b>Geologic Group:</b><br><b>Geologic Period:</b><br><b>Depositional Gen:</b> | Very Loose |
| COMPACT TO DENSE GREY SILT TRACE OF FINE SAND AND TRACE OF CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.  |   |                            |                  |   |            |
| FILL VERY LOOSE TO LOOSE BROWN SILTY SAND WITH CINDERS **Note: Many records provided by the department have a truncated [Stratum Description] field.   |   |                            |                  |   |            |
| <a href="#">53</a>   | 1 of 3  | E/198.9                    | 69.9 / -1.04     | <b>MAIN CLEANERS</b><br><b>89 MAIN STREET</b><br><b>OTTAWA ON K1S 1B8</b>   | GEN        |
| <b>Generator No:</b><br><b>Status:</b><br><b>Approval Years:</b><br><b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b><br><b>SIC Description:</b>   | ON1914700<br><br>94,95,96,97,98,99,00,01,02,03,04,05,06,07,08<br><br>2499 |                            |                  | <b>PO Box No:</b><br><b>Country:</b><br><b>Choice of Contact:</b><br><b>Co Admin:</b><br><b>Phone No Admin:</b>   |            |
| OTHER CLOTHING ETC.  |   |                            |                  |   |            |
| <b>Detail(s)</b>   |   |                            |                  |   |            |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  | 241<br>HALOGENATED SOLVENTS   |                            |                  |   |            |
| <a href="#">53</a>   | 2 of 3  | E/198.9                    | 69.9 / -1.04     | <b>MAIN CLEANERS</b><br><b>89 MAIN STREET</b><br><b>OTTAWA ON K1S 1B7</b>   | GEN        |
| <b>Generator No:</b><br><b>Status:</b><br><b>Approval Years:</b><br><b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b><br><b>SIC Description:</b>   | ON1914700<br><br>2009<br><br>812320                                       |                            |                  | <b>PO Box No:</b><br><b>Country:</b><br><b>Choice of Contact:</b><br><b>Co Admin:</b><br><b>Phone No Admin:</b>   |            |
| Dry Cleaning and Laundry Services (except Coin-Operated)   |   |                            |                  |   |            |
| <b>Detail(s)</b>   |   |                            |                  |   |            |
| <b>Waste Class:</b><br><b>Waste Class Desc:</b>  | 241<br>HALOGENATED SOLVENTS   |                            |                  |   |            |
| <a href="#">53</a>   | 3 of 3  | E/198.9                    | 69.9 / -1.04     | <b>MAIN CLEANERS</b><br><b>89 MAIN STREET</b><br><b>OTTAWA ON K1S 1B7</b>   | GEN        |
| <b>Generator No:</b><br><b>Status:</b><br><b>Approval Years:</b><br><b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b>  | ON1914700<br><br>2010<br><br>812320                                       |                            |                  | <b>PO Box No:</b><br><b>Country:</b><br><b>Choice of Contact:</b><br><b>Co Admin:</b><br><b>Phone No Admin:</b>   |            |

| Map Key                  | Number of Records | Direction/<br>Distance (m)                               | Elev/Diff<br>(m) | Site | DB |
|--------------------------|-------------------|--|------------------|------|----|
| <b>SIC Description:</b>  |                   | Dry Cleaning and Laundry Services (except Coin-Operated) |                  |      |    |
| <b><u>Detail(s)</u></b>  |                   |  |                  |      |    |
| <b>Waste Class:</b>      |                   | 241  |                  |      |    |
| <b>Waste Class Desc:</b> |                   | HALOGENATED SOLVENTS                                     |                  |      |    |

| <u>54</u>                  | 1 of 1         | NNE/201.6 | 66.9 / -4.08 | ON                        | BORE           |
|----------------------------|----------------|-----------|--------------|---------------------------|----------------|
| <b>Borehole ID:</b>        | 613251         |           |              | <b>Inclin FLG:</b>        | No             |
| <b>OGF ID:</b>             | 215514553      |           |              | <b>SP Status:</b>         | Initial Entry  |
| <b>Status:</b>             |                |           |              | <b>Surv Elev:</b>         | No             |
| <b>Type:</b>               | Borehole       |           |              | <b>Piezometer:</b>        | No             |
| <b>Use:</b>                |                |           |              | <b>Primary Name:</b>      |                |
| <b>Completion Date:</b>    | JUN-1971       |           |              | <b>Municipality:</b>      |                |
| <b>Static Water Level:</b> |                |           |              | <b>Lot:</b>               |                |
| <b>Primary Water Use:</b>  |                |           |              | <b>Township:</b>          |                |
| <b>Sec. Water Use:</b>     |                |           |              | <b>Latitude DD:</b>       | 45.413768      |
| <b>Total Depth m:</b>      | 34.2           |           |              | <b>Longitude DD:</b>      | -75.681305     |
| <b>Depth Ref:</b>          | Ground Surface |           |              | <b>UTM Zone:</b>          | 18             |
| <b>Depth Elev:</b>         |                |           |              | <b>Easting:</b>           | 446691         |
| <b>Drill Method:</b>       |                |           |              | <b>Northing:</b>          | 5029142        |
| <b>Orig Ground Elev m:</b> | 68.1           |           |              | <b>Location Accuracy:</b> |                |
| <b>Elev Reliabil Note:</b> |                |           |              | <b>Accuracy:</b>          | Not Applicable |
| <b>DEM Ground Elev m:</b>  | 67.1           |           |              |                           |                |
| <b>Concession:</b>         |                |           |              |                           |                |
| <b>Location D:</b>         |                |           |              |                           |                |
| <b>Survey D:</b>           |                |           |              |                           |                |
| <b>Comments:</b>           |                |           |              |                           |                |

**Borehole Geology Stratum**

|                                  |                         |  |  |                            |       |
|----------------------------------|-------------------------|--|--|----------------------------|-------|
| <b>Geology Stratum ID:</b>       | 218394342               |  |  | <b>Mat Consistency:</b>    | Stiff |
| <b>Top Depth:</b>                | 9.8                     |  |  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 12.8                    |  |  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey                    |  |  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay                    |  |  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt                    |  |  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               | Sand                    |  |  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                         |  |  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                         |  |  |                            |       |
| <b>Stratum Description:</b>      | CLAY. GREY,STIFF.       |  |  |                            |       |
| <b>Geology Stratum ID:</b>       | 218394341               |  |  | <b>Mat Consistency:</b>    | Stiff |
| <b>Top Depth:</b>                | 2.3                     |  |  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 9.8                     |  |  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Brown                   |  |  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay                    |  |  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt                    |  |  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |                         |  |  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                         |  |  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                         |  |  |                            |       |
| <b>Stratum Description:</b>      | CLAY. BROWN,GREY,STIFF. |  |  |                            |       |
| <b>Geology Stratum ID:</b>       | 218394345               |  |  | <b>Mat Consistency:</b>    | Dense |
| <b>Top Depth:</b>                | 25.9                    |  |  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 31.3                    |  |  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           |                         |  |  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Till                    |  |  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt                    |  |  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               | Shale                   |  |  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                         |  |  | <b>Depositional Gen:</b>   |       |

| Map Key                          | Number of Records | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site                       | DB    |
|----------------------------------|-------------------|---|------------------|----------------------------|-------|
| <b>Gsc Material Description:</b> |                   |   |                  |                            |       |
| <b>Stratum Description:</b>      |                   | TILL. VERY DENSE.   |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 218394340         |   |                  | <b>Mat Consistency:</b>    | Loose |
| <b>Top Depth:</b>                | .8                |   |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 2.3               |   |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           |                   |   |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Silt              |   |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Sand              |   |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |                   |   |                  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                   |   |                  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                   |   |                  |                            |       |
| <b>Stratum Description:</b>      |                   | SILT. LOOSE.  |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 218394343         |   |                  | <b>Mat Consistency:</b>    |       |
| <b>Top Depth:</b>                | 12.8              |   |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 21.3              |   |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey              |   |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay              |   |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt              |   |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |                   |   |                  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                   |   |                  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                   |   |                  |                            |       |
| <b>Stratum Description:</b>      |                   | CLAY. GREY.   |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 218394344         |   |                  | <b>Mat Consistency:</b>    | Dense |
| <b>Top Depth:</b>                | 21.3              |   |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 25.9              |   |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           |                   |   |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Silt              |   |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Sand              |   |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               | Gravel            |   |                  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                   |   |                  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                   |   |                  |                            |       |
| <b>Stratum Description:</b>      |                   | SILT. DENSE.  |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 218394339         |   |                  | <b>Mat Consistency:</b>    |       |
| <b>Top Depth:</b>                | .3                |   |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | .8                |   |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           |                   |   |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Sand              |   |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt              |   |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |                   |   |                  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                   |   |                  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                   |   |                  |                            |       |
| <b>Stratum Description:</b>      |                   | SAND.   |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 218394346         |   |                  | <b>Mat Consistency:</b>    |       |
| <b>Top Depth:</b>                | 31.3              |   |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 34.2              |   |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           |                   |   |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Bedrock           |   |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Shale             |   |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |                   |   |                  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                   |   |                  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                   |   |                  |                            |       |
| <b>Stratum Description:</b>      |                   | BEDROCK. 00010 038 00025 022 00075 060 00320 040 00420 042 00700 015 0001 **Note: Many records provided by the department have a truncated [Stratum Description] field. |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 218394338         |   |                  | <b>Mat Consistency:</b>    |       |
| <b>Top Depth:</b>                | 0                 |   |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | .3                |   |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           |                   |   |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               |                   |   |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Sand              |   |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               | Granuls           |   |                  | <b>Geologic Period:</b>    |       |





| <b>Map Key</b>                          | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <i>Improvement Location Method:</i>     |                          |                                    |                          |             |           |
| <i>Source Revision Comment:</i>         |                          |                                    |                          |             |           |
| <i>Supplier Comment:</i>                |                          |                                    |                          |             |           |
| <br>                                    |                          |                                    |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>    |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>        |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                    |                          | 1003809216                         |                          |             |           |
| <b>Layer:</b>                           |                          | 3                                  |                          |             |           |
| <b>Color:</b>                           |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                   |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>                            |                          | 05                                 |                          |             |           |
| <b>Most Common Material:</b>            |                          | CLAY                               |                          |             |           |
| <b>Mat2:</b>                            |                          |                                    |                          |             |           |
| <b>Other Materials:</b>                 |                          |                                    |                          |             |           |
| <b>Mat3:</b>                            |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                 |                          | SOFT                               |                          |             |           |
| <b>Formation Top Depth:</b>             |                          | 4.27                               |                          |             |           |
| <b>Formation End Depth:</b>             |                          | 5.79                               |                          |             |           |
| <b>Formation End Depth UOM:</b>         |                          | m                                  |                          |             |           |
| <br>                                    |                          |                                    |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>    |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>        |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                    |                          | 1003809215                         |                          |             |           |
| <b>Layer:</b>                           |                          | 2                                  |                          |             |           |
| <b>Color:</b>                           |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                   |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>                            |                          | 05                                 |                          |             |           |
| <b>Most Common Material:</b>            |                          | CLAY                               |                          |             |           |
| <b>Mat2:</b>                            |                          |                                    |                          |             |           |
| <b>Other Materials:</b>                 |                          |                                    |                          |             |           |
| <b>Mat3:</b>                            |                          | 73                                 |                          |             |           |
| <b>Other Materials:</b>                 |                          | HARD                               |                          |             |           |
| <b>Formation Top Depth:</b>             |                          | 2.13                               |                          |             |           |
| <b>Formation End Depth:</b>             |                          | 4.27                               |                          |             |           |
| <b>Formation End Depth UOM:</b>         |                          | m                                  |                          |             |           |
| <br>                                    |                          |                                    |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>    |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>        |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                    |                          | 1003809214                         |                          |             |           |
| <b>Layer:</b>                           |                          | 1                                  |                          |             |           |
| <b>Color:</b>                           |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                   |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>                            |                          | 10                                 |                          |             |           |
| <b>Most Common Material:</b>            |                          | COARSE SAND                        |                          |             |           |
| <b>Mat2:</b>                            |                          | 02                                 |                          |             |           |
| <b>Other Materials:</b>                 |                          | TOPSOIL                            |                          |             |           |
| <b>Mat3:</b>                            |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                 |                          | SOFT                               |                          |             |           |
| <b>Formation Top Depth:</b>             |                          | 0                                  |                          |             |           |
| <b>Formation End Depth:</b>             |                          | 2.13                               |                          |             |           |
| <b>Formation End Depth UOM:</b>         |                          | m                                  |                          |             |           |
| <br>                                    |                          |                                    |                          |             |           |
| <b><u>Annular Space/Abandonment</u></b> |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>            |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                         |                          | 1003809227                         |                          |             |           |
| <b>Layer:</b>                           |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>                       |                          | 2.44                               |                          |             |           |
| <b>Plug To:</b>                         |                          | 5.79                               |                          |             |           |

| <b>Map Key</b>   | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|--|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Plug Depth UOM:</b>                                 |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                                    |                          |             |           |
| <b>Plug ID:</b>  |                          | 1003809225                         |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>                                      |                          | 0                                  |                          |             |           |
| <b>Plug To:</b>  |                          | 0.31                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                                    |                          |             |           |
| <b>Plug ID:</b>  |                          | 1003809226                         |                          |             |           |
| <b>Layer:</b>  |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>                                      |                          | 0.31                               |                          |             |           |
| <b>Plug To:</b>  |                          | 2.44                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | m                                  |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>    |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                         |                          |                                    |                          |             |           |
| <b>Method Construction Code:</b>                       |                          | D                                  |                          |             |           |
| <b>Method Construction:</b>                            |                          | Direct Push                        |                          |             |           |
| <b>Other Method Construction:</b>                      |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                         |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>  |                          | 1003809213                         |                          |             |           |
| <b>Casing No:</b>                                      |                          | 0                                  |                          |             |           |
| <b>Comment:</b>  |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                       |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>             |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                      |                          | 1003809219                         |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                       |                          | 5                                  |                          |             |           |
| <b>Open Hole or Material:</b>                          |                          | PLASTIC                            |                          |             |           |
| <b>Depth From:</b>                                     |                          | 0                                  |                          |             |           |
| <b>Depth To:</b>                                       |                          | 2.74                               |                          |             |           |
| <b>Casing Diameter:</b>                                |                          | 3.45                               |                          |             |           |
| <b>Casing Diameter UOM:</b>                            |                          | cm                                 |                          |             |           |
| <b>Casing Depth UOM:</b>                               |                          | m                                  |                          |             |           |
| <b><u>Construction Record - Screen</u></b>             |                          |                                    |                          |             |           |
| <b>Screen ID:</b>                                      |                          | 1003809220                         |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Slot:</b>   |                          | 10                                 |                          |             |           |
| <b>Screen Top Depth:</b>                               |                          | 2.74                               |                          |             |           |
| <b>Screen End Depth:</b>                               |                          | 5.79                               |                          |             |           |
| <b>Screen Material:</b>                                |                          | 5                                  |                          |             |           |
| <b>Screen Depth UOM:</b>                               |                          | m                                  |                          |             |           |
| <b>Screen Diameter UOM:</b>                            |                          | cm                                 |                          |             |           |
| <b>Screen Diameter:</b>                                |                          | 4.21                               |                          |             |           |
| <b><u>Hole Diameter</u></b>                            |                          |                                    |                          |             |           |

| Map Key            | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|--------------------|-------------------|-------------------------|---------------|------|----|
| Hole ID:           |                   | 1003809217              |               |      |    |
| Diameter:          |                   | 8.25                    |               |      |    |
| Depth From:        |                   | 0                       |               |      |    |
| Depth To:          |                   | 5.79                    |               |      |    |
| Hole Depth UOM:    |                   | m                       |               |      |    |
| Hole Diameter UOM: |                   | cm                      |               |      |    |

|                    |        |           |              |           |      |
|--------------------|--------|-----------|--------------|-----------|------|
| <a href="#">56</a> | 1 of 1 | ENE/204.8 | 69.9 / -1.08 | OTTAWA ON | WWIS |
|--------------------|--------|-----------|--------------|-----------|------|

**Well ID:** 7162754  
**Construction Date:**  
**Primary Water Use:** Monitoring and Test Hole  
**Sec. Water Use:** 0  
**Final Well Status:** Monitoring and Test Hole  
**Water Type:**  
**Casing Material:**  
**Audit No:** Z126301  
**Tag:** A111532  
**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:**  
**Date Received:** 5/5/2011  
**Selected Flag:** Yes  
**Abandonment Rec:**  
**Contractor:** 7241  
**Form Version:** 7  
**Owner:**  
**Street Name:** 61 MAIN ST  
**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:** 1003505768  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 4/13/2011  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Elevation:** 67.677917  
**Elevrc:**  
**Zone:** 18  
**East83:** 446823  
**North83:** 5029055  
**Org CS:** UTM83  
**UTMRC:** 3  
**UTMRC Desc:** margin of error : 10 - 30 m  
**Location Method:** wwr

#### Overburden and Bedrock Materials Interval

**Formation ID:** 1003809231  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Other Materials:**  
**Mat3:** 85  
**Other Materials:** SOFT

| <b>Map Key</b>  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Formation Top Depth:</b>                                 |                          | 4.27                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 5.79                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 1003809229                         |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Color:</b>   |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>  |                          | 10                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | COARSE SAND                        |                          |             |           |
| <b>Mat2:</b>  |                          |                                    |                          |             |           |
| <b>Other Materials:</b>                                     |                          |                                    |                          |             |           |
| <b>Mat3:</b>  |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SOFT                               |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 0                                  |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 2.74                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock<br/>Materials Interval</u></b> |                          |                                    |                          |             |           |
| <b>Formation ID:</b>  |                          | 1003809230                         |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Color:</b>   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                                       |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>  |                          | 05                                 |                          |             |           |
| <b>Most Common Material:</b>                                |                          | CLAY                               |                          |             |           |
| <b>Mat2:</b>  |                          | 28                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | SAND                               |                          |             |           |
| <b>Mat3:</b>  |                          | 73                                 |                          |             |           |
| <b>Other Materials:</b>                                     |                          | HARD                               |                          |             |           |
| <b>Formation Top Depth:</b>                                 |                          | 2.74                               |                          |             |           |
| <b>Formation End Depth:</b>                                 |                          | 4.27                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                             |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1003809242                         |                          |             |           |
| <b>Layer:</b>   |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 2.44                               |                          |             |           |
| <b>Plug To:</b>   |                          | 5.79                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1003809240                         |                          |             |           |
| <b>Layer:</b>   |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 0                                  |                          |             |           |
| <b>Plug To:</b>   |                          | 0.31                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                      |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment<br/>Sealing Record</u></b>  |                          |                                    |                          |             |           |
| <b>Plug ID:</b>   |                          | 1003809241                         |                          |             |           |
| <b>Layer:</b>   |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>   |                          | 0.31                               |                          |             |           |

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

Plug To: 2.44  
 Plug Depth UOM: m

**Method of Construction & Well Use**

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

**Pipe Information**

Pipe ID: 1003809228  
 Casing No: 0  
 Comment:  
 Alt Name:

**Construction Record - Casing**

Casing ID: 1003809234  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From: 0  
 Depth To: 2.74  
 Casing Diameter: 3.45  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

**Construction Record - Screen**

Screen ID: 1003809235  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 2.74  
 Screen End Depth: 5.79  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.21

**Hole Diameter**

Hole ID: 1003809232  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 5.79  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

|                    |        |         |              |  |     |
|--------------------|--------|---------|--------------|--|-----|
| <a href="#">57</a> | 1 of 1 | N/205.9 | 63.9 / -7.08 | 145-159 Echo Drive, 163-165 Echo Drive, 23-25 Harvey Street<br>Ottawa ON | RSC |
|--------------------|--------|---------|--------------|--|-----|

|                    |          |                    |   |
|--------------------|----------|--------------------|---|
| RSC ID:            |          | Cert Date:         |   |
| RA No:             |          | Cert Prop Use No:  |   |
| RSC Type:          |          | Intended Prop Use: |   |
| Curr Property Use: |          | Qual Person Name:  |   |
| Ministry District: | Ottawa   | Stratified (Y/N):  | N |
| Filing Date:       | 07/26/00 | Audit (Y/N):       |   |

| Map Key                            | Number of Records                  | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                           | DB |
|------------------------------------|------------------------------------|----------------------------|------------------|--------------------------------|----|
| <b>Date Ack:</b>                   | 08/17/00                           |                            |                  | <b>Entire Leg Prop. (Y/N):</b> |    |
| <b>Date Returned:</b>              |                                    |                            |                  | <b>Accuracy Estimate:</b>      |    |
| <b>Restoration Type:</b>           | Generic                            |                            |                  | <b>Telephone:</b>              |    |
| <b>Soil Type:</b>                  | Coarse                             |                            |                  | <b>Fax:</b>                    |    |
| <b>Criteria:</b>                   | Ind/Comm + Non-potable             |                            |                  | <b>Email:</b>                  |    |
| <b>CPU Issued Sect 1686:</b>       |                                    |                            |                  |                                |    |
| <b>Asmt Roll No:</b>               |                                    |                            |                  |                                |    |
| <b>Prop ID No:</b>                 |                                    |                            |                  |                                |    |
| <b>Property Municipal Address:</b> |                                    |                            |                  |                                |    |
| <b>Mailing Address:</b>            |                                    |                            |                  |                                |    |
| <b>Latitude &amp; Latitude:</b>    |                                    |                            |                  |                                |    |
| <b>UTM Coordinates:</b>            |                                    |                            |                  |                                |    |
| <b>Consultant:</b>                 | John D. Paterson & Associates Ltd. |                            |                  |                                |    |
| <b>Filing Owner:</b>               |                                    |                            |                  |                                |    |
| <b>Legal Desc:</b>                 |                                    |                            |                  |                                |    |
| <b>Measurement Method:</b>         |                                    |                            |                  |                                |    |
| <b>Applicable Standards:</b>       |                                    |                            |                  |                                |    |
| <b>RSC PDF:</b>                    |                                    |                            |                  |                                |    |

|                    |        |          |              |           |      |
|--------------------|--------|----------|--------------|-----------|------|
| <a href="#">58</a> | 1 of 1 | NE/206.6 | 69.9 / -1.08 | Ottawa ON | WWIS |
|--------------------|--------|----------|--------------|-----------|------|

|                               |                          |                           |                 |
|-------------------------------|--------------------------|---------------------------|-----------------|
| <b>Well ID:</b>               | 7159669                  | <b>Data Entry Status:</b> |                 |
| <b>Construction Date:</b>     |                          | <b>Data Src:</b>          |                 |
| <b>Primary Water Use:</b>     | Monitoring and Test Hole | <b>Date Received:</b>     | 2/25/2011       |
| <b>Sec. Water Use:</b>        | 0                        | <b>Selected Flag:</b>     | Yes             |
| <b>Final Well Status:</b>     | Test Hole                | <b>Abandonment Rec:</b>   |                 |
| <b>Water Type:</b>            |                          | <b>Contractor:</b>        | 7241            |
| <b>Casing Material:</b>       |                          | <b>Form Version:</b>      | 7               |
| <b>Audit No:</b>              | Z120954                  | <b>Owner:</b>             |                 |
| <b>Tag:</b>                   | A111619                  | <b>Street Name:</b>       | 59 MAIN ST      |
| <b>Construction Method:</b>   |                          | <b>County:</b>            | OTTAWA-CARLETON |
| <b>Elevation (m):</b>         |                          | <b>Municipality:</b>      | OTTAWA CITY     |
| <b>Elevation Reliability:</b> |                          | <b>Site Info:</b>         |                 |
| <b>Depth to Bedrock:</b>      |                          | <b>Lot:</b>               |                 |
| <b>Well Depth:</b>            |                          | <b>Concession:</b>        |                 |
| <b>Overburden/Bedrock:</b>    |                          | <b>Concession Name:</b>   |                 |
| <b>Pump Rate:</b>             |                          | <b>Easting NAD83:</b>     |                 |
| <b>Static Water Level:</b>    |                          | <b>Northing NAD83:</b>    |                 |
| <b>Flowing (Y/N):</b>         |                          | <b>Zone:</b>              |                 |
| <b>Flow Rate:</b>             |                          | <b>UTM Reliability:</b>   |                 |
| <b>Clear/Cloudy:</b>          |                          |                           |                 |

**Bore Hole Information**

|                                     |            |                         |                             |
|-------------------------------------|------------|-------------------------|-----------------------------|
| <b>Bore Hole ID:</b>                | 1003479527 | <b>Elevation:</b>       | 69.999969                   |
| <b>DP2BR:</b>                       |            | <b>Elevrc:</b>          |                             |
| <b>Spatial Status:</b>              |            | <b>Zone:</b>            | 18                          |
| <b>Code OB:</b>                     |            | <b>East83:</b>          | 446790                      |
| <b>Code OB Desc:</b>                |            | <b>North83:</b>         | 5029097                     |
| <b>Open Hole:</b>                   |            | <b>Org CS:</b>          | UTM83                       |
| <b>Cluster Kind:</b>                |            | <b>UTMRC:</b>           | 3                           |
| <b>Date Completed:</b>              | 1/31/2011  | <b>UTMRC Desc:</b>      | margin of error : 10 - 30 m |
| <b>Remarks:</b>                     |            | <b>Location Method:</b> | wwr                         |
| <b>Elevrc Desc:</b>                 |            |                         |                             |
| <b>Location Source Date:</b>        |            |                         |                             |
| <b>Improvement Location Source:</b> |            |                         |                             |
| <b>Improvement Location Method:</b> |            |                         |                             |
| <b>Source Revision Comment:</b>     |            |                         |                             |
| <b>Supplier Comment:</b>            |            |                         |                             |

**Overburden and Bedrock**

| <b>Map Key</b>                                  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 1003806834                         |                          |             |           |
| <b>Layer:</b>                                   |                          | 2                                  |                          |             |           |
| <b>Color:</b>                                   |                          | 2                                  |                          |             |           |
| <b>General Color:</b>                           |                          | GREY                               |                          |             |           |
| <b>Mat1:</b>                                    |                          | 05                                 |                          |             |           |
| <b>Most Common Material:</b>                    |                          | CLAY                               |                          |             |           |
| <b>Mat2:</b>                                    |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                         |                          | SOFT                               |                          |             |           |
| <b>Mat3:</b>                                    |                          | 91                                 |                          |             |           |
| <b>Other Materials:</b>                         |                          | WATER-BEARING                      |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 3.1                                |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 5.49                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 1003806833                         |                          |             |           |
| <b>Layer:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Color:</b>                                   |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                           |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>                                    |                          | 01                                 |                          |             |           |
| <b>Most Common Material:</b>                    |                          | FILL                               |                          |             |           |
| <b>Mat2:</b>                                    |                          | 11                                 |                          |             |           |
| <b>Other Materials:</b>                         |                          | GRAVEL                             |                          |             |           |
| <b>Mat3:</b>                                    |                          | 28                                 |                          |             |           |
| <b>Other Materials:</b>                         |                          | SAND                               |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 0                                  |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 3.1                                |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment</u></b>         |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>                    |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                                 |                          | 1003806843                         |                          |             |           |
| <b>Layer:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>                               |                          | 0                                  |                          |             |           |
| <b>Plug To:</b>                                 |                          | 0.31                               |                          |             |           |
| <b>Plug Depth UOM:</b>                          |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment</u></b>         |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>                    |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                                 |                          | 1003806844                         |                          |             |           |
| <b>Layer:</b>                                   |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>                               |                          | 0.31                               |                          |             |           |
| <b>Plug To:</b>                                 |                          | 2.13                               |                          |             |           |
| <b>Plug Depth UOM:</b>                          |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment</u></b>         |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>                    |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                                 |                          | 1003806845                         |                          |             |           |
| <b>Layer:</b>                                   |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>                               |                          | 2.13                               |                          |             |           |
| <b>Plug To:</b>                                 |                          | 5.49                               |                          |             |           |
| <b>Plug Depth UOM:</b>                          |                          | m                                  |                          |             |           |
| <b><u>Method of Construction &amp; Well</u></b> |                          |                                    |                          |             |           |
| <b><u>Use</u></b>                               |                          |                                    |                          |             |           |



| Map Key                                    | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|--|-------------------|----------------------------|------------------|------|----|
| <b>Method Construction ID:</b>             |                   |                            |                  |      |    |
| <b>Method Construction Code:</b>           |                   | D                          |                  |      |    |
| <b>Method Construction:</b>                |                   | Direct Push                |                  |      |    |
| <b>Other Method Construction:</b>          |                   |                            |                  |      |    |
| <b><u>Pipe Information</u></b>             |                   |                            |                  |      |    |
| <b>Pipe ID:</b>                            |                   | 1003806832                 |                  |      |    |
| <b>Casing No:</b>                          |                   | 0                          |                  |      |    |
| <b>Comment:</b>                            |                   |                            |                  |      |    |
| <b>Alt Name:</b>                           |                   |                            |                  |      |    |
| <b><u>Construction Record - Casing</u></b> |                   |                            |                  |      |    |
| <b>Casing ID:</b>                          |                   | 1003806837                 |                  |      |    |
| <b>Layer:</b>                              |                   | 1                          |                  |      |    |
| <b>Material:</b>                           |                   | 5                          |                  |      |    |
| <b>Open Hole or Material:</b>              |                   | PLASTIC                    |                  |      |    |
| <b>Depth From:</b>                         |                   | 0                          |                  |      |    |
| <b>Depth To:</b>                           |                   | 2.44                       |                  |      |    |
| <b>Casing Diameter:</b>                    |                   | 3.45                       |                  |      |    |
| <b>Casing Diameter UOM:</b>                |                   | cm                         |                  |      |    |
| <b>Casing Depth UOM:</b>                   |                   | m                          |                  |      |    |
| <b><u>Construction Record - Screen</u></b> |                   |                            |                  |      |    |
| <b>Screen ID:</b>                          |                   | 1003806838                 |                  |      |    |
| <b>Layer:</b>                              |                   | 1                          |                  |      |    |
| <b>Slot:</b>                               |                   | 10                         |                  |      |    |
| <b>Screen Top Depth:</b>                   |                   | 2.44                       |                  |      |    |
| <b>Screen End Depth:</b>                   |                   | 5.49                       |                  |      |    |
| <b>Screen Material:</b>                    |                   | 5                          |                  |      |    |
| <b>Screen Depth UOM:</b>                   |                   | m                          |                  |      |    |
| <b>Screen Diameter UOM:</b>                |                   | cm                         |                  |      |    |
| <b>Screen Diameter:</b>                    |                   | 4.21                       |                  |      |    |
| <b><u>Hole Diameter</u></b>                |                   |                            |                  |      |    |
| <b>Hole ID:</b>                            |                   | 1003806835                 |                  |      |    |
| <b>Diameter:</b>                           |                   | 8.25                       |                  |      |    |
| <b>Depth From:</b>                         |                   | 0                          |                  |      |    |
| <b>Depth To:</b>                           |                   | 5.49                       |                  |      |    |
| <b>Hole Depth UOM:</b>                     |                   | m                          |                  |      |    |
| <b>Hole Diameter UOM:</b>                  |                   | cm                         |                  |      |    |

[59](#)    1 of 1    **NE/209.5**    **69.9 / -1.08**    **Ottawa ON**    **WWIS**

**Well ID:** 7159668  
**Construction Date:**  
**Primary Water Use:** Monitoring and Test Hole  
**Sec. Water Use:** 0  
**Final Well Status:** Test Hole  
**Water Type:**  
**Casing Material:**  
**Audit No:** Z120966  
**Tag:** A111620  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**

**Data Entry Status:**  
**Data Src:**  
**Date Received:** 2/25/2011  
**Selected Flag:** Yes  
**Abandonment Rec:**  
**Contractor:** 7241  
**Form Version:** 7  
**Owner:**  
**Street Name:** 59 MAIN ST  
**County:** OTTAWA-CARLETON  
**Municipality:** OTTAWA CITY  
**Site Info:**  
**Lot:**



| <b>Map Key</b>   | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|--|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Plug ID:</b>  |                          | 1003806716                         |                          |             |           |
| <b>Layer:</b>  |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>                                      |                          | 0.31                               |                          |             |           |
| <b>Plug To:</b>  |                          | 2.31                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                                    |                          |             |           |
| <b>Plug ID:</b>  |                          | 1003806717                         |                          |             |           |
| <b>Layer:</b>  |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>                                      |                          | 2.13                               |                          |             |           |
| <b>Plug To:</b>  |                          | 5.49                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                                    |                          |             |           |
| <b>Plug ID:</b>  |                          | 1003806715                         |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>                                      |                          | 0                                  |                          |             |           |
| <b>Plug To:</b>  |                          | 0.31                               |                          |             |           |
| <b>Plug Depth UOM:</b>                                 |                          | m                                  |                          |             |           |
| <b><u>Method of Construction &amp; Well Use</u></b>    |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                         |                          |                                    |                          |             |           |
| <b>Method Construction Code:</b>                       |                          | D                                  |                          |             |           |
| <b>Method Construction:</b>                            |                          | Direct Push                        |                          |             |           |
| <b>Other Method Construction:</b>                      |                          |                                    |                          |             |           |
| <b><u>Pipe Information</u></b>                         |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>  |                          | 1003806704                         |                          |             |           |
| <b>Casing No:</b>                                      |                          | 0                                  |                          |             |           |
| <b>Comment:</b>  |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                                       |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b>             |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                                      |                          | 1003806709                         |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Material:</b>                                       |                          | 5                                  |                          |             |           |
| <b>Open Hole or Material:</b>                          |                          | PLASTIC                            |                          |             |           |
| <b>Depth From:</b>                                     |                          | 0                                  |                          |             |           |
| <b>Depth To:</b>                                       |                          | 2.44                               |                          |             |           |
| <b>Casing Diameter:</b>                                |                          | 3.45                               |                          |             |           |
| <b>Casing Diameter UOM:</b>                            |                          | cm                                 |                          |             |           |
| <b>Casing Depth UOM:</b>                               |                          | m                                  |                          |             |           |
| <b><u>Construction Record - Screen</u></b>             |                          |                                    |                          |             |           |
| <b>Screen ID:</b>                                      |                          | 1003806710                         |                          |             |           |
| <b>Layer:</b>  |                          | 1                                  |                          |             |           |
| <b>Slot:</b>   |                          | 10                                 |                          |             |           |
| <b>Screen Top Depth:</b>                               |                          | 2.44                               |                          |             |           |
| <b>Screen End Depth:</b>                               |                          | 5.49                               |                          |             |           |
| <b>Screen Material:</b>                                |                          | 5                                  |                          |             |           |
| <b>Screen Depth UOM:</b>                               |                          | m                                  |                          |             |           |

| Map Key                     | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|-----------------------------|-------------------|----------------------------|------------------|------|----|
| <b>Screen Diameter UOM:</b> |                   | cm                         |                  |      |    |
| <b>Screen Diameter:</b>     |                   | 4.21                       |                  |      |    |
| <b><u>Hole Diameter</u></b> |                   |                            |                  |      |    |
| <b>Hole ID:</b>             |                   | 1003806707                 |                  |      |    |
| <b>Diameter:</b>            |                   | 8.25                       |                  |      |    |
| <b>Depth From:</b>          |                   | 0                          |                  |      |    |
| <b>Depth To:</b>            |                   | 5.49                       |                  |      |    |
| <b>Hole Depth UOM:</b>      |                   | m                          |                  |      |    |
| <b>Hole Diameter UOM:</b>   |                   | cm                         |                  |      |    |

|                               |               |                          |                     |                                  |             |
|-------------------------------|---------------|--------------------------|---------------------|----------------------------------|-------------|
| <b>60</b>                     | <b>1 of 1</b> | <b>NE/209.5</b>          | <b>69.9 / -1.08</b> | <b>Ottawa ON</b>                 | <b>WWIS</b> |
| <b>Well ID:</b>               |               | 7159670                  |                     | <b>Data Entry Status:</b>        |             |
| <b>Construction Date:</b>     |               |                          |                     | <b>Data Src:</b>                 |             |
| <b>Primary Water Use:</b>     |               | Monitoring and Test Hole |                     | <b>Date Received:</b> 2/25/2011  |             |
| <b>Sec. Water Use:</b>        |               | 0                        |                     | <b>Selected Flag:</b> Yes        |             |
| <b>Final Well Status:</b>     |               | Test Hole                |                     | <b>Abandonment Rec:</b>          |             |
| <b>Water Type:</b>            |               |                          |                     | <b>Contractor:</b> 7241          |             |
| <b>Casing Material:</b>       |               |                          |                     | <b>Form Version:</b> 7           |             |
| <b>Audit No:</b>              |               | Z120956                  |                     | <b>Owner:</b>                    |             |
| <b>Tag:</b>                   |               | A111618                  |                     | <b>Street Name:</b> 59 MAIN ST   |             |
| <b>Construction Method:</b>   |               |                          |                     | <b>County:</b> OTTAWA-CARLETON   |             |
| <b>Elevation (m):</b>         |               |                          |                     | <b>Municipality:</b> OTTAWA CITY |             |
| <b>Elevation Reliability:</b> |               |                          |                     | <b>Site Info:</b>                |             |
| <b>Depth to Bedrock:</b>      |               |                          |                     | <b>Lot:</b>                      |             |
| <b>Well Depth:</b>            |               |                          |                     | <b>Concession:</b>               |             |
| <b>Overburden/Bedrock:</b>    |               |                          |                     | <b>Concession Name:</b>          |             |
| <b>Pump Rate:</b>             |               |                          |                     | <b>Easting NAD83:</b>            |             |
| <b>Static Water Level:</b>    |               |                          |                     | <b>Northing NAD83:</b>           |             |
| <b>Flowing (Y/N):</b>         |               |                          |                     | <b>Zone:</b>                     |             |
| <b>Flow Rate:</b>             |               |                          |                     | <b>UTM Reliability:</b>          |             |
| <b>Clear/Cloudy:</b>          |               |                          |                     |                                  |             |

**Bore Hole Information**

|                                     |  |            |  |  |  |
|-------------------------------------|--|------------|--|--|--|
| <b>Bore Hole ID:</b>                |  | 1003479529 |  | <b>Elevation:</b> 70.112663                    |  |
| <b>DP2BR:</b>                       |  |            |  | <b>Elevrc:</b>                                 |  |
| <b>Spatial Status:</b>              |  |            |  | <b>Zone:</b> 18                                |  |
| <b>Code OB:</b>                     |  |            |  | <b>East83:</b> 446790                          |  |
| <b>Code OB Desc:</b>                |  |            |  | <b>North83:</b> 5029101                        |  |
| <b>Open Hole:</b>                   |  |            |  | <b>Org CS:</b> UTM83                           |  |
| <b>Cluster Kind:</b>                |  |            |  | <b>UTMRC:</b> 3                                |  |
| <b>Date Completed:</b>              |  | 1/31/2011  |  | <b>UTMRC Desc:</b> margin of error : 10 - 30 m |  |
| <b>Remarks:</b>                     |  |            |  | <b>Location Method:</b> wwr                    |  |
| <b>Elevrc Desc:</b>                 |  |            |  |  |  |
| <b>Location Source Date:</b>        |  |            |  |  |  |
| <b>Improvement Location Source:</b> |  |            |  |  |  |
| <b>Improvement Location Method:</b> |  |            |  |  |  |
| <b>Source Revision Comment:</b>     |  |            |  |  |  |
| <b>Supplier Comment:</b>            |  |            |  |  |  |

**Overburden and Bedrock**

**Materials Interval**

|                       |  |            |  |
|-----------------------|--|------------|--|
| <b>Formation ID:</b>  |  | 1003806910 |  |
| <b>Layer:</b>         |  | 2          |  |
| <b>Color:</b>         |  | 2          |  |
| <b>General Color:</b> |  | GREY       |  |
| <b>Mat1:</b>          |  | 05         |  |

| <b>Map Key</b>                                  | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|---|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Most Common Material:</b>                    |                          | CLAY                               |                          |             |           |
| <b>Mat2:</b>                                    |                          | 85                                 |                          |             |           |
| <b>Other Materials:</b>                         |                          | SOFT                               |                          |             |           |
| <b>Mat3:</b>                                    |                          | 91                                 |                          |             |           |
| <b>Other Materials:</b>                         |                          | WATER-BEARING                      |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 3.1                                |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 5.49                               |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Overburden and Bedrock</u></b>            |                          |                                    |                          |             |           |
| <b><u>Materials Interval</u></b>                |                          |                                    |                          |             |           |
| <b>Formation ID:</b>                            |                          | 1003806909                         |                          |             |           |
| <b>Layer:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Color:</b>                                   |                          | 6                                  |                          |             |           |
| <b>General Color:</b>                           |                          | BROWN                              |                          |             |           |
| <b>Mat1:</b>                                    |                          | 01                                 |                          |             |           |
| <b>Most Common Material:</b>                    |                          | FILL                               |                          |             |           |
| <b>Mat2:</b>                                    |                          | 11                                 |                          |             |           |
| <b>Other Materials:</b>                         |                          | GRAVEL                             |                          |             |           |
| <b>Mat3:</b>                                    |                          | 28                                 |                          |             |           |
| <b>Other Materials:</b>                         |                          | SAND                               |                          |             |           |
| <b>Formation Top Depth:</b>                     |                          | 0                                  |                          |             |           |
| <b>Formation End Depth:</b>                     |                          | 3.1                                |                          |             |           |
| <b>Formation End Depth UOM:</b>                 |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment</u></b>         |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>                    |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                                 |                          | 1003806919                         |                          |             |           |
| <b>Layer:</b>                                   |                          | 1                                  |                          |             |           |
| <b>Plug From:</b>                               |                          | 0                                  |                          |             |           |
| <b>Plug To:</b>                                 |                          | 0.31                               |                          |             |           |
| <b>Plug Depth UOM:</b>                          |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment</u></b>         |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>                    |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                                 |                          | 1003806920                         |                          |             |           |
| <b>Layer:</b>                                   |                          | 2                                  |                          |             |           |
| <b>Plug From:</b>                               |                          | 0.31                               |                          |             |           |
| <b>Plug To:</b>                                 |                          | 2.13                               |                          |             |           |
| <b>Plug Depth UOM:</b>                          |                          | m                                  |                          |             |           |
| <b><u>Annular Space/Abandonment</u></b>         |                          |                                    |                          |             |           |
| <b><u>Sealing Record</u></b>                    |                          |                                    |                          |             |           |
| <b>Plug ID:</b>                                 |                          | 1003806921                         |                          |             |           |
| <b>Layer:</b>                                   |                          | 3                                  |                          |             |           |
| <b>Plug From:</b>                               |                          | 2.13                               |                          |             |           |
| <b>Plug To:</b>                                 |                          | 5.49                               |                          |             |           |
| <b>Plug Depth UOM:</b>                          |                          | m                                  |                          |             |           |
| <b><u>Method of Construction &amp; Well</u></b> |                          |                                    |                          |             |           |
| <b><u>Use</u></b>                               |                          |                                    |                          |             |           |
| <b>Method Construction ID:</b>                  |                          | D                                  |                          |             |           |
| <b>Method Construction Code:</b>                |                          | Direct Push                        |                          |             |           |
| <b>Method Construction:</b>                     |                          | Direct Push                        |                          |             |           |
| <b>Other Method Construction:</b>               |                          |                                    |                          |             |           |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

**Pipe Information**

Pipe ID: 1003806908  
 Casing No: 0  
 Comment:  
 Alt Name:

**Construction Record - Casing**

Casing ID: 1003806913  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From: 0  
 Depth To: 2.44  
 Casing Diameter: 3.45  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

**Construction Record - Screen**

Screen ID: 1003806914  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 2.44  
 Screen End Depth: 5.49  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.21

**Hole Diameter**

Hole ID: 1003806911  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 5.49  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

|                    |        |           |              |  |     |
|--------------------|--------|-----------|--------------|--|-----|
| <a href="#">61</a> | 1 of 1 | ESE/213.0 | 69.7 / -1.29 | Sherbrooke Urban Developments Ltd.<br>103 Main Street, 43 to 55 Evelyn Avenue<br>Ottawa ON K2H 7E9 | ECA |
|--------------------|--------|-----------|--------------|--|-----|

|                |   |               |
|----------------|---|---------------|
| Approval No:   | 7311-6GNPV4   | MOE District: |
| Approval Date: | 2005-10-04  | City:         |
| Status:        | Approved  | Longitude:    |
| Record Type:   | ECA   | Latitude:     |
| Link Source:   | IDS   | Geometry X:   |
| SWP Area Name: |   | Geometry Y:   |
| Approval Type: | ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  |               |
| Project Type:  | MUNICIPAL AND PRIVATE SEWAGE WORKS  |               |
| Address:       | 103 Main Street, 43 to 55 Evelyn Avenue   |               |
| Full Address:  |   |               |
| Full PDF Link: | <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/5091-6GGLR3-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/5091-6GGLR3-14.pdf</a> |               |

|                    |        |          |              |           |      |
|--------------------|--------|----------|--------------|-----------|------|
| <a href="#">62</a> | 1 of 1 | NE/215.6 | 69.9 / -1.08 | Ottawa ON | WWIS |
|--------------------|--------|----------|--------------|-----------|------|

|                    |         |                    |
|--------------------|---------|--------------------|
| Well ID:           | 7225387 | Data Entry Status: |
| Construction Date: |         | Data Src:          |

| Map Key  | Number of Records        | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                    | DB                             |
|--|--------------------------|----------------------------|------------------|-------------------------|--------------------------------|
| <b>Primary Water Use:</b>                              | Monitoring and Test Hole |                            |                  | <b>Date Received:</b>   | 8/13/2014                      |
| <b>Sec. Water Use:</b>                                 | 0                        |                            |                  | <b>Selected Flag:</b>   | Yes                            |
| <b>Final Well Status:</b>                              | Abandoned-Other          |                            |                  | <b>Abandonment Rec:</b> | Yes                            |
| <b>Water Type:</b>                                     |                          |                            |                  | <b>Contractor:</b>      | 7241                           |
| <b>Casing Material:</b>                                |                          |                            |                  | <b>Form Version:</b>    | 7                              |
| <b>Audit No:</b>                                       | Z188243                  |                            |                  | <b>Owner:</b>           |                                |
| <b>Tag:</b>  | A111534                  |                            |                  | <b>Street Name:</b>     | 61 MAIN ST. W                  |
| <b>Construction Method:</b>                            |                          |                            |                  | <b>County:</b>          | OTTAWA-CARLETON                |
| <b>Elevation (m):</b>                                  |                          |                            |                  | <b>Municipality:</b>    | OTTAWA CITY                    |
| <b>Elevation Reliability:</b>                          |                          |                            |                  | <b>Site Info:</b>       |                                |
| <b>Depth to Bedrock:</b>                               |                          |                            |                  | <b>Lot:</b>             |                                |
| <b>Well Depth:</b>                                     |                          |                            |                  | <b>Concession:</b>      |                                |
| <b>Overburden/Bedrock:</b>                             |                          |                            |                  | <b>Concession Name:</b> |                                |
| <b>Pump Rate:</b>                                      |                          |                            |                  | <b>Easting NAD83:</b>   |                                |
| <b>Static Water Level:</b>                             |                          |                            |                  | <b>Northing NAD83:</b>  |                                |
| <b>Flowing (Y/N):</b>                                  |                          |                            |                  | <b>Zone:</b>            |                                |
| <b>Flow Rate:</b>                                      |                          |                            |                  | <b>UTM Reliability:</b> |                                |
| <b>Clear/Cloudy:</b>                                   |                          |                            |                  |                         |                                |
| <b><u>Bore Hole Information</u></b>                    |                          |                            |                  |                         |                                |
| <b>Bore Hole ID:</b>                                   | 1005060489               |                            |                  | <b>Elevation:</b>       | 68.793281                      |
| <b>DP2BR:</b>  |                          |                            |                  | <b>Elevrc:</b>          |                                |
| <b>Spatial Status:</b>                                 |                          |                            |                  | <b>Zone:</b>            | 18                             |
| <b>Code OB:</b>  |                          |                            |                  | <b>East83:</b>          | 446807                         |
| <b>Code OB Desc:</b>                                   |                          |                            |                  | <b>North83:</b>         | 5029093                        |
| <b>Open Hole:</b>                                      |                          |                            |                  | <b>Org CS:</b>          | UTM83                          |
| <b>Cluster Kind:</b>                                   |                          |                            |                  | <b>UTMRC:</b>           | 4                              |
| <b>Date Completed:</b>                                 | 6/23/2014                |                            |                  | <b>UTMRC Desc:</b>      | margin of error : 30 m - 100 m |
| <b>Remarks:</b>  |                          |                            |                  | <b>Location Method:</b> | wwr                            |
| <b>Elevrc Desc:</b>                                    |                          |                            |                  |                         |                                |
| <b>Location Source Date:</b>                           |                          |                            |                  |                         |                                |
| <b>Improvement Location Source:</b>                    |                          |                            |                  |                         |                                |
| <b>Improvement Location Method:</b>                    |                          |                            |                  |                         |                                |
| <b>Source Revision Comment:</b>                        |                          |                            |                  |                         |                                |
| <b>Supplier Comment:</b>                               |                          |                            |                  |                         |                                |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                            |                  |                         |                                |
| <b>Plug ID:</b>  | 1005271185               |                            |                  |                         |                                |
| <b>Layer:</b>  | 3                        |                            |                  |                         |                                |
| <b>Plug From:</b>                                      | 2.44                     |                            |                  |                         |                                |
| <b>Plug To:</b>  | 5.79                     |                            |                  |                         |                                |
| <b>Plug Depth UOM:</b>                                 | m                        |                            |                  |                         |                                |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                            |                  |                         |                                |
| <b>Plug ID:</b>  | 1005271184               |                            |                  |                         |                                |
| <b>Layer:</b>  | 2                        |                            |                  |                         |                                |
| <b>Plug From:</b>                                      | 0.31                     |                            |                  |                         |                                |
| <b>Plug To:</b>  | 2.44                     |                            |                  |                         |                                |
| <b>Plug Depth UOM:</b>                                 | m                        |                            |                  |                         |                                |
| <b><u>Annular Space/Abandonment Sealing Record</u></b> |                          |                            |                  |                         |                                |
| <b>Plug ID:</b>  | 1005271183               |                            |                  |                         |                                |
| <b>Layer:</b>  | 1                        |                            |                  |                         |                                |
| <b>Plug From:</b>                                      | 0                        |                            |                  |                         |                                |
| <b>Plug To:</b>  | 0.31                     |                            |                  |                         |                                |

| <b>Map Key</b>                             | <b>Number of Records</b> | <b>Direction/<br/>Distance (m)</b> | <b>Elev/Diff<br/>(m)</b> | <b>Site</b> | <b>DB</b> |
|--|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| <b>Plug Depth UOM:</b>                     |                          | m                                  |                          |             |           |
| <b><u>Pipe Information</u></b>             |                          |                                    |                          |             |           |
| <b>Pipe ID:</b>                            |                          | 1005271174                         |                          |             |           |
| <b>Casing No:</b>                          |                          | 0                                  |                          |             |           |
| <b>Comment:</b>                            |                          |                                    |                          |             |           |
| <b>Alt Name:</b>                           |                          |                                    |                          |             |           |
| <b><u>Construction Record - Casing</u></b> |                          |                                    |                          |             |           |
| <b>Casing ID:</b>                          |                          | 1005271178                         |                          |             |           |
| <b>Layer:</b>                              |                          | 1                                  |                          |             |           |
| <b>Material:</b>                           |                          | 5                                  |                          |             |           |
| <b>Open Hole or Material:</b>              |                          | PLASTIC                            |                          |             |           |
| <b>Depth From:</b>                         |                          |                                    |                          |             |           |
| <b>Depth To:</b>                           |                          |                                    |                          |             |           |
| <b>Casing Diameter:</b>                    |                          | 3.45                               |                          |             |           |
| <b>Casing Diameter UOM:</b>                |                          | cm                                 |                          |             |           |
| <b>Casing Depth UOM:</b>                   |                          | m                                  |                          |             |           |
| <b><u>Construction Record - Screen</u></b> |                          |                                    |                          |             |           |
| <b>Screen ID:</b>                          |                          | 1005271179                         |                          |             |           |
| <b>Layer:</b>                              |                          | 1                                  |                          |             |           |
| <b>Slot:</b>                               |                          |                                    |                          |             |           |
| <b>Screen Top Depth:</b>                   |                          |                                    |                          |             |           |
| <b>Screen End Depth:</b>                   |                          |                                    |                          |             |           |
| <b>Screen Material:</b>                    |                          | 5                                  |                          |             |           |
| <b>Screen Depth UOM:</b>                   |                          | m                                  |                          |             |           |
| <b>Screen Diameter UOM:</b>                |                          | cm                                 |                          |             |           |
| <b>Screen Diameter:</b>                    |                          | 4.21                               |                          |             |           |
| <b><u>Hole Diameter</u></b>                |                          |                                    |                          |             |           |
| <b>Hole ID:</b>                            |                          | 1005271176                         |                          |             |           |
| <b>Diameter:</b>                           |                          | 10.92                              |                          |             |           |
| <b>Depth From:</b>                         |                          | 0                                  |                          |             |           |
| <b>Depth To:</b>                           |                          | 1.83                               |                          |             |           |
| <b>Hole Depth UOM:</b>                     |                          | m                                  |                          |             |           |
| <b>Hole Diameter UOM:</b>                  |                          | cm                                 |                          |             |           |

|                    |        |                |                     |   |           |
|--------------------|--------|----------------|---------------------|---|-----------|
| <a href="#">63</a> | 1 of 1 | <b>E/218.7</b> | <b>68.9 / -2.01</b> | <b>Sherbrooke Urban Developments Ltd.<br/>103 Main Street, 43 to 55 Evelyn Avenue<br/>Ottawa ON</b> | <b>CA</b> |
|--------------------|--------|----------------|---------------------|---|-----------|

|                             |                                    |
|-----------------------------|------------------------------------|
| <b>Certificate #:</b>       | 7311-6GNPV4                        |
| <b>Application Year:</b>    | 2005                               |
| <b>Issue Date:</b>          | 10/4/2005                          |
| <b>Approval Type:</b>       | Municipal and Private Sewage Works |
| <b>Status:</b>              | Approved                           |
| <b>Application Type:</b>    |                                    |
| <b>Client Name:</b>         |                                    |
| <b>Client Address:</b>      |                                    |
| <b>Client City:</b>         |                                    |
| <b>Client Postal Code:</b>  |                                    |
| <b>Project Description:</b> |                                    |
| <b>Contaminants:</b>        |                                    |
| <b>Emission Control:</b>    |                                    |



| Map Key                     | Number of Records | Direction/<br>Distance (m)   | Elev/Diff<br>(m) | Site   | DB   |
|-----------------------------|-------------------|--|------------------|--|------|
| <a href="#">64</a>          | 1 of 1            | N/220.6  | 64.1 / -6.86     | 155 Echo on the Canal<br>145-165 Echo Drive<br>Ottawa ON K1S 1M9 | CA   |
| <b>Certificate #:</b>       |                   | 3464-4LJGVF  |                  |  |      |
| <b>Application Year:</b>    |                   | 00   |                  |  |      |
| <b>Issue Date:</b>          |                   | 6/23/00  |                  |  |      |
| <b>Approval Type:</b>       |                   | Municipal & Private sewage   |                  |  |      |
| <b>Status:</b>              |                   | Approved   |                  |  |      |
| <b>Application Type:</b>    |                   | New Certificate of Approval  |                  |  |      |
| <b>Client Name:</b>         |                   | Claridge Homes (Crown Point) Inc.  |                  |  |      |
| <b>Client Address:</b>      |                   | 210 Gladstone Avenue   |                  |  |      |
| <b>Client City:</b>         |                   | Ottawa   |                  |  |      |
| <b>Client Postal Code:</b>  |                   | K1M 0G6  |                  |  |      |
| <b>Project Description:</b> |                   | This application is for a Stormwater management facility to accommodate the construction of 25 Townhouses including private sectors.                     |                  |  |      |
| <b>Contaminants:</b>        |                   |  |                  |  |      |
| <b>Emission Control:</b>    |                   |  |                  |  |      |
| <a href="#">65</a>          | 1 of 2            | NNE/225.0  | 68.0 / -3.01     | 40 and 44 Main Street<br>Ottawa ON                               | CA   |
| <b>Certificate #:</b>       |                   | 5136-544KS2  |                  |  |      |
| <b>Application Year:</b>    |                   | 01   |                  |  |      |
| <b>Issue Date:</b>          |                   | 11/5/01  |                  |  |      |
| <b>Approval Type:</b>       |                   | Municipal & Private sewage   |                  |  |      |
| <b>Status:</b>              |                   | Approved   |                  |  |      |
| <b>Application Type:</b>    |                   | Amended CofA   |                  |  |      |
| <b>Client Name:</b>         |                   | Limestone Developments Ltd.  |                  |  |      |
| <b>Client Address:</b>      |                   | 1411A Carling Avenue, Suite 111  |                  |  |      |
| <b>Client City:</b>         |                   | Ottawa   |                  |  |      |
| <b>Client Postal Code:</b>  |                   | K1Z 1A7  |                  |  |      |
| <b>Project Description:</b> |                   | Error on the company address has been corrected.   |                  |  |      |
| <b>Contaminants:</b>        |                   |  |                  |  |      |
| <b>Emission Control:</b>    |                   |  |                  |  |      |
| <a href="#">65</a>          | 2 of 2            | NNE/225.0  | 68.0 / -3.01     | 40 and 44 Main Street<br>Ottawa ON                               | CA   |
| <b>Certificate #:</b>       |                   | 5604-4TWSC5  |                  |  |      |
| <b>Application Year:</b>    |                   | 01   |                  |  |      |
| <b>Issue Date:</b>          |                   | 11/5/01  |                  |  |      |
| <b>Approval Type:</b>       |                   | Municipal & Private sewage   |                  |  |      |
| <b>Status:</b>              |                   | Revoked and/or Replaced  |                  |  |      |
| <b>Application Type:</b>    |                   | New Certificate of Approval  |                  |  |      |
| <b>Client Name:</b>         |                   | Limestone Developments Ltd.  |                  |  |      |
| <b>Client Address:</b>      |                   | 1411A Carlin Avenue  |                  |  |      |
| <b>Client City:</b>         |                   | Ottawa   |                  |  |      |
| <b>Client Postal Code:</b>  |                   | K1Z 1A7  |                  |  |      |
| <b>Project Description:</b> |                   | This is an application for a Municipal Sewage Works Certificate of Approval for a stormwater management design to control off-site into municipal sewer. |                  |  |      |
| <b>Contaminants:</b>        |                   |  |                  |  |      |
| <b>Emission Control:</b>    |                   |  |                  |  |      |
| <a href="#">66</a>          | 1 of 1            | NW/226.1   | 53.8 / -17.15    | ON   | BORE |
| <b>Borehole ID:</b>         |                   | 613249   |                  | <b>Inclin FLG:</b> No  |      |
| <b>OGF ID:</b>              |                   | 215514551  |                  | <b>SP Status:</b> Initial Entry                                  |      |
| <b>Status:</b>              |                   |  |                  | <b>Surv Elev:</b> No   |      |
| <b>Type:</b>                |                   | Borehole   |                  | <b>Piezometer:</b> No  |      |

| Map Key   | Number of Records | Direction/ Distance (m)  | Elev/Diff (m) | Site | DB   |
|---|-------------------|--|---------------|------|--|
| <b>Use:</b><br><b>Completion Date:</b> SEP-1933<br><b>Static Water Level:</b><br><b>Primary Water Use:</b><br><b>Sec. Water Use:</b><br><b>Total Depth m:</b> -999<br><b>Depth Ref:</b> Ground Surface<br><b>Depth Elev:</b><br><b>Drill Method:</b><br><b>Orig Ground Elev m:</b> 67.1<br><b>Elev Reliabil Note:</b><br><b>DEM Ground Elev m:</b> 63.7<br><b>Concession:</b><br><b>Location D:</b><br><b>Survey D:</b><br><b>Comments:</b> |                   | <b>Primary Name:</b><br><b>Municipality:</b><br><b>Lot:</b><br><b>Township:</b><br><b>Latitude DD:</b> 45.413575<br><b>Longitude DD:</b> -75.683603<br><b>UTM Zone:</b> 18<br><b>Easting:</b> 446511<br><b>Northing:</b> 5029122<br><b>Location Accuracy:</b><br><b>Accuracy:</b> Not Applicable |               |      |  |
| <b><u>Borehole Geology Stratum</u></b>  |                   |  |               |      |  |
| <b>Geology Stratum ID:</b> 218394333<br><b>Top Depth:</b> .3<br><b>Bottom Depth:</b> .9<br><b>Material Color:</b><br><b>Material 1:</b> Clay<br><b>Material 2:</b><br><b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b> CLAY. SOFT.   |                   | <b>Mat Consistency:</b> Soft<br><b>Material Moisture:</b><br><b>Material Texture:</b><br><b>Non Geo Mat Type:</b><br><b>Geologic Formation:</b><br><b>Geologic Group:</b><br><b>Geologic Period:</b><br><b>Depositional Gen:</b>   |               |      |  |
| <b>Geology Stratum ID:</b> 218394332<br><b>Top Depth:</b> 0<br><b>Bottom Depth:</b> .3<br><b>Material Color:</b><br><b>Material 1:</b> Fill<br><b>Material 2:</b><br><b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b> FILL.  |                   | <b>Mat Consistency:</b><br><b>Material Moisture:</b><br><b>Material Texture:</b><br><b>Non Geo Mat Type:</b><br><b>Geologic Formation:</b><br><b>Geologic Group:</b><br><b>Geologic Period:</b><br><b>Depositional Gen:</b> fill   |               |      |  |
| <b>Geology Stratum ID:</b> 218394334<br><b>Top Depth:</b> .9<br><b>Bottom Depth:</b> 4.3<br><b>Material Color:</b> Yellow<br><b>Material 1:</b> Clay<br><b>Material 2:</b><br><b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b> CLAY. YELLOW,COMPACT.   |                   | <b>Mat Consistency:</b> Compact<br><b>Material Moisture:</b><br><b>Material Texture:</b><br><b>Non Geo Mat Type:</b><br><b>Geologic Formation:</b><br><b>Geologic Group:</b><br><b>Geologic Period:</b><br><b>Depositional Gen:</b>  |               |      |  |
| <b>Geology Stratum ID:</b> 218394335<br><b>Top Depth:</b> 4.3<br><b>Bottom Depth:</b><br><b>Material Color:</b> Blue<br><b>Material 1:</b> Clay<br><b>Material 2:</b><br><b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b> CLAY. BLUE,VERY SOFT. FRACTURED. . ED. CLAY. GREY,SOFT TO STIFF,FISSURED. CLAY. GRE  |                   | <b>Mat Consistency:</b> Soft<br><b>Material Moisture:</b><br><b>Material Texture:</b><br><b>Non Geo Mat Type:</b><br><b>Geologic Formation:</b><br><b>Geologic Group:</b><br><b>Geologic Period:</b><br><b>Depositional Gen:</b>   |               |      | **Note:<br>Many records provided by the department have a truncated [Stratum Description] field. |

| Map Key | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------|-------------------|----------------------------|------------------|------|----|
|---------|-------------------|----------------------------|------------------|------|----|

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 Details:** File: OTTAWA2.txt RecordID: 057570 NTS\_Sheet: 31G05G  
**Confiden 1:** Logged by professional. Exact and complete description of material and properties.

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

Source List

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

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

[67](#)      1 of 1      **W/226.6**      **63.8 / -7.14**      **ON**      **BORE**

**Borehole ID:** 847431  
**OGF ID:** 215589089  
**Status:** Decommissioned  
**Type:** Borehole  
**Use:** Geotechnical/Geological Investigation  
**Completion Date:** 11-FEB-1961  
**Static Water Level:**  
**Primary Water Use:**  
**Sec. Water Use:**  
**Total Depth m:** 19.8  
**Depth Ref:** Ground Surface  
**Depth Elev:**  
**Drill Method:** Diamond Drill  
**Orig Ground Elev m:** 67.8  
**Elev Reliabil Note:**  
**DEM Ground Elev m:** 73.2  
**Concession:** BROKEN FRONT C  
**Location D:**  
**Survey D:**  
**Comments:**

**Inclin FLG:** No  
**SP Status:** Initial Entry  
**Surv Elev:** No  
**Piezometer:** No  
**Primary Name:**  
**Municipality:**  
**Lot:** LOT F  
**Township:** NEPEAN  
**Latitude DD:** 45.411919  
**Longitude DD:** -75.68469  
**UTM Zone:** 18  
**Easting:** 446424  
**Northing:** 5028939  
**Location Accuracy:**  
**Accuracy:** Within 10 metres

Borehole Geology Stratum

**Geology Stratum ID:** 6557492  
**Top Depth:** 3.3  
**Bottom Depth:** 10.7  
**Material Color:** Grey  
**Material 1:** Clay  
**Material 2:** Silt  
**Material 3:** Fine Sand  
**Material 4:**  
**Gsc Material Description:**  
**Stratum Description:** STIFF GREY CLAY SOME SILT TRACE FINE SAND \*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

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

**Geology Stratum ID:** 6557493  
**Top Depth:** 10.7  
**Bottom Depth:** 19.8  
**Material Color:** Grey  
**Material 1:** Clay

**Mat Consistency:** Stiff  
**Material Moisture:**  
**Material Texture:**  
**Non Geo Mat Type:**  
**Geologic Formation:**

| Map Key                          | Number of Records   | Direction/ Distance (m) | Elev/Diff (m) | Site                       | DB      |
|----------------------------------|---|-------------------------|---------------|----------------------------|---------|
| <b>Material 2:</b>               | Silt  |                         |               | <b>Geologic Group:</b>     |         |
| <b>Material 3:</b>               | Fine Sand   |                         |               | <b>Geologic Period:</b>    |         |
| <b>Material 4:</b>               |   |                         |               | <b>Depositional Gen:</b>   |         |
| <b>Gsc Material Description:</b> |   |                         |               |                            |         |
| <b>Stratum Description:</b>      | STIFF GREY SILTY CLAY SOME FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.  |                         |               |                            |         |
| <b>Geology Stratum ID:</b>       | 6557491   |                         |               | <b>Mat Consistency:</b>    | Compact |
| <b>Top Depth:</b>                | 0   |                         |               | <b>Material Moisture:</b>  |         |
| <b>Bottom Depth:</b>             | 3.3   |                         |               | <b>Material Texture:</b>   | Fine    |
| <b>Material Color:</b>           | Brown-Grey  |                         |               | <b>Non Geo Mat Type:</b>   |         |
| <b>Material 1:</b>               | Sand  |                         |               | <b>Geologic Formation:</b> |         |
| <b>Material 2:</b>               | Silt  |                         |               | <b>Geologic Group:</b>     |         |
| <b>Material 3:</b>               |   |                         |               | <b>Geologic Period:</b>    |         |
| <b>Material 4:</b>               |   |                         |               | <b>Depositional Gen:</b>   |         |
| <b>Gsc Material Description:</b> |   |                         |               |                            |         |
| <b>Stratum Description:</b>      | COMPACT BROWN TO GREY SILTY FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field. |                         |               |                            |         |

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|                            |                |  |  |                           |                |
|----------------------------|----------------|--|--|---------------------------|----------------|
| <b>Borehole ID:</b>        | 613211         |  |  | <b>Inclin FLG:</b>        | No             |
| <b>OGF ID:</b>             | 215514514      |  |  | <b>SP Status:</b>         | Initial Entry  |
| <b>Status:</b>             |                |  |  | <b>Surv Elev:</b>         | No             |
| <b>Type:</b>               | Borehole       |  |  | <b>Piezometer:</b>        | No             |
| <b>Use:</b>                |                |  |  | <b>Primary Name:</b>      |                |
| <b>Completion Date:</b>    | NOV-1964       |  |  | <b>Municipality:</b>      |                |
| <b>Static Water Level:</b> |                |  |  | <b>Lot:</b>               |                |
| <b>Primary Water Use:</b>  |                |  |  | <b>Township:</b>          |                |
| <b>Sec. Water Use:</b>     |                |  |  | <b>Latitude DD:</b>       | 45.410537      |
| <b>Total Depth m:</b>      | 10.4           |  |  | <b>Longitude DD:</b>      | -75.679732     |
| <b>Depth Ref:</b>          | Ground Surface |  |  | <b>UTM Zone:</b>          | 18             |
| <b>Depth Elev:</b>         |                |  |  | <b>Easting:</b>           | 446811         |
| <b>Drill Method:</b>       |                |  |  | <b>Northing:</b>          | 5028782        |
| <b>Orig Ground Elev m:</b> | 67.6           |  |  | <b>Location Accuracy:</b> |                |
| <b>Elev Reliabil Note:</b> |                |  |  | <b>Accuracy:</b>          | Not Applicable |
| <b>DEM Ground Elev m:</b>  | 66.9           |  |  |                           |                |
| <b>Concession:</b>         |                |  |  |                           |                |
| <b>Location D:</b>         |                |  |  |                           |                |
| <b>Survey D:</b>           |                |  |  |                           |                |
| <b>Comments:</b>           |                |  |  |                           |                |

**Borehole Geology Stratum**

|                                  |              |  |  |                            |       |
|----------------------------------|--------------|--|--|----------------------------|-------|
| <b>Geology Stratum ID:</b>       | 218394151    |  |  | <b>Mat Consistency:</b>    |       |
| <b>Top Depth:</b>                | 0            |  |  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | .2           |  |  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           |              |  |  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Unknown      |  |  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               |              |  |  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |              |  |  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |              |  |  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |              |  |  |                            |       |
| <b>Stratum Description:</b>      | UNSPECIFIED. |  |  |                            |       |
| <b>Geology Stratum ID:</b>       | 218394156    |  |  | <b>Mat Consistency:</b>    | Stiff |
| <b>Top Depth:</b>                | 5            |  |  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 5.8          |  |  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Brown        |  |  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay         |  |  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt         |  |  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |              |  |  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |              |  |  | <b>Depositional Gen:</b>   |       |

| Map Key                          | Number of Records | Direction/<br>Distance (m)   | Elev/Diff<br>(m) | Site                       | DB    |
|----------------------------------|-------------------|--|------------------|----------------------------|-------|
| <b>Gsc Material Description:</b> |                   |  |                  |                            |       |
| <b>Stratum Description:</b>      |                   | CLAY. BROWN,GREY,STIFF.  |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 218394152         |  |                  | <b>Mat Consistency:</b>    | Dense |
| <b>Top Depth:</b>                | .2                |  |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 1.5               |  |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           |                   |  |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Silt              |  |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Sand              |  |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |                   |  |                  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                   |  |                  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                   |  |                  |                            |       |
| <b>Stratum Description:</b>      |                   | SILT. DENSE.   |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 218394154         |  |                  | <b>Mat Consistency:</b>    | Hard  |
| <b>Top Depth:</b>                | 2.3               |  |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 3.2               |  |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Brown             |  |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay              |  |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt              |  |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |                   |  |                  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                   |  |                  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                   |  |                  |                            |       |
| <b>Stratum Description:</b>      |                   | CLAY. BROWN,GREY,HARD,FISSURED.  |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 218394153         |  |                  | <b>Mat Consistency:</b>    | Fine  |
| <b>Top Depth:</b>                | 1.5               |  |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 2.3               |  |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           |                   |  |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Sand              |  |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               |                   |  |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |                   |  |                  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                   |  |                  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                   |  |                  |                            |       |
| <b>Stratum Description:</b>      |                   | SAND-VERY FINE TO FINE.  |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 218394155         |  |                  | <b>Mat Consistency:</b>    | Soft  |
| <b>Top Depth:</b>                | 3.2               |  |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 5                 |  |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Brown             |  |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay              |  |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt              |  |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |                   |  |                  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                   |  |                  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                   |  |                  |                            |       |
| <b>Stratum Description:</b>      |                   | CLAY. BROWN,GREY,VERY SOFT,FISSURED.   |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 218394158         |  |                  | <b>Mat Consistency:</b>    | Stiff |
| <b>Top Depth:</b>                | 7.6               |  |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 10.4              |  |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey              |  |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay              |  |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt              |  |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               | Sand              |  |                  | <b>Geologic Period:</b>    |       |
| <b>Material 4:</b>               |                   |  |                  | <b>Depositional Gen:</b>   |       |
| <b>Gsc Material Description:</b> |                   |  |                  |                            |       |
| <b>Stratum Description:</b>      |                   | CLAY. GREY,STIFF. 00005 019 00050 015 00076 040 00105 050 00165 046 00190 05 **Note: Many records provided by the department have a truncated [Stratum Description] field. |                  |                            |       |
| <b>Geology Stratum ID:</b>       | 218394157         |  |                  | <b>Mat Consistency:</b>    | Stiff |
| <b>Top Depth:</b>                | 5.8               |  |                  | <b>Material Moisture:</b>  |       |
| <b>Bottom Depth:</b>             | 7.6               |  |                  | <b>Material Texture:</b>   |       |
| <b>Material Color:</b>           | Grey              |  |                  | <b>Non Geo Mat Type:</b>   |       |
| <b>Material 1:</b>               | Clay              |  |                  | <b>Geologic Formation:</b> |       |
| <b>Material 2:</b>               | Silt              |  |                  | <b>Geologic Group:</b>     |       |
| <b>Material 3:</b>               |                   |  |                  | <b>Geologic Period:</b>    |       |

| Map Key   | Number of Records  | Direction/<br>Distance (m) | Elev/Diff<br>(m)    | Site                       | DB                            |
|---|--|----------------------------|---------------------|----------------------------|-------------------------------|
| <b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b> |  |                            |                     | <b>Depositional Gen:</b>   |                               |
|   |  | CLAY, GREY,STIFF.          |                     |                            |                               |
| <b>Source</b>   |  |                            |                     |                            |                               |
| <b>Source Type:</b>   | Data Survey  |                            |                     | <b>Source Appl:</b>        | Spatial/Tabular               |
| <b>Source Orig:</b>   | Geological Survey of Canada  |                            |                     | <b>Source Iden:</b>        | 1                             |
| <b>Source Date:</b>   | 1956-1972  |                            |                     | <b>Scale or Res:</b>       | Varies                        |
| <b>Confidence:</b>  | H  |                            |                     | <b>Horizontal:</b>         | NAD27                         |
| <b>Observatio:</b>  |  |                            |                     | <b>Verticalda:</b>         | Mean Average Sea Level        |
| <b>Source Name:</b>   | Urban Geology Automated Information System (UGAIS)                                 |                            |                     |                            |                               |
| <b>Source Details:</b>  | File: OTTAWA2.txt RecordID: 057190 NTS_Sheet: 31G05G                               |                            |                     |                            |                               |
| <b>Confiden 1:</b>  | Logged by professional. Exact and complete description of material and properties. |                            |                     |                            |                               |
| <b>Source List</b>  |  |                            |                     |                            |                               |
| <b>Source Identifier:</b>   | 1  |                            |                     | <b>Horizontal Datum:</b>   | NAD27                         |
| <b>Source Type:</b>   | Data Survey  |                            |                     | <b>Vertical Datum:</b>     | Mean Average Sea Level        |
| <b>Source Date:</b>   | 1956-1972  |                            |                     | <b>Projection Name:</b>    | Universal Transverse Mercator |
| <b>Scale or Resolution:</b>   | Varies   |                            |                     |                            |                               |
| <b>Source Name:</b>   | Urban Geology Automated Information System (UGAIS)                                 |                            |                     |                            |                               |
| <b>Source Originators:</b>  | Geological Survey of Canada  |                            |                     |                            |                               |
| <b>69</b>   | <b>1 of 1</b>  | <b>N/228.5</b>             | <b>63.6 / -7.39</b> | <b>ON</b>                  | <b>BORE</b>                   |
| <b>Borehole ID:</b>   | 613255   |                            |                     | <b>Inclin FLG:</b>         | No                            |
| <b>OGF ID:</b>  | 215514557  |                            |                     | <b>SP Status:</b>          | Initial Entry                 |
| <b>Status:</b>  |  |                            |                     | <b>Surv Elev:</b>          | No                            |
| <b>Type:</b>  | Borehole   |                            |                     | <b>Piezometer:</b>         | No                            |
| <b>Use:</b>   |  |                            |                     | <b>Primary Name:</b>       |                               |
| <b>Completion Date:</b>   | FEB-1968   |                            |                     | <b>Municipality:</b>       |                               |
| <b>Static Water Level:</b>  |  |                            |                     | <b>Lot:</b>                |                               |
| <b>Primary Water Use:</b>   |  |                            |                     | <b>Township:</b>           |                               |
| <b>Sec. Water Use:</b>  |  |                            |                     | <b>Latitude DD:</b>        | 45.414034                     |
| <b>Total Depth m:</b>   | -999   |                            |                     | <b>Longitude DD:</b>       | -75.682075                    |
| <b>Depth Ref:</b>   | Ground Surface   |                            |                     | <b>UTM Zone:</b>           | 18                            |
| <b>Depth Elev:</b>  |  |                            |                     | <b>Easting:</b>            | 446631                        |
| <b>Drill Method:</b>  |  |                            |                     | <b>Northing:</b>           | 5029172                       |
| <b>Orig Ground Elev m:</b>  | 65.5   |                            |                     | <b>Location Accuracy:</b>  |                               |
| <b>Elev Reliabil Note:</b>  |  |                            |                     | <b>Accuracy:</b>           | Not Applicable                |
| <b>DEM Ground Elev m:</b>   | 67.6   |                            |                     |                            |                               |
| <b>Concession:</b>  |  |                            |                     |                            |                               |
| <b>Location D:</b>  |  |                            |                     |                            |                               |
| <b>Survey D:</b>  |  |                            |                     |                            |                               |
| <b>Comments:</b>  |  |                            |                     |                            |                               |
| <b>Borehole Geology Stratum</b>   |  |                            |                     |                            |                               |
| <b>Geology Stratum ID:</b>  | 218394364  |                            |                     | <b>Mat Consistency:</b>    | Stiff                         |
| <b>Top Depth:</b>   | 5.9  |                            |                     | <b>Material Moisture:</b>  |                               |
| <b>Bottom Depth:</b>  | 16.5   |                            |                     | <b>Material Texture:</b>   |                               |
| <b>Material Color:</b>  | Grey   |                            |                     | <b>Non Geo Mat Type:</b>   |                               |
| <b>Material 1:</b>  | Clay   |                            |                     | <b>Geologic Formation:</b> |                               |
| <b>Material 2:</b>  | Silt   |                            |                     | <b>Geologic Group:</b>     |                               |
| <b>Material 3:</b>  |  |                            |                     | <b>Geologic Period:</b>    |                               |
| <b>Material 4:</b>  |  |                            |                     | <b>Depositional Gen:</b>   |                               |
| <b>Gsc Material Description:</b>  | CLAY, GREY,STIFF.  |                            |                     |                            |                               |
| <b>Stratum Description:</b>   | CLAY, GREY,STIFF.  |                            |                     |                            |                               |
| <b>Geology Stratum ID:</b>  | 218394367  |                            |                     | <b>Mat Consistency:</b>    | Compact                       |

| Map Key                          | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                       | DB      |
|----------------------------------|-------------------|----------------------------|------------------|----------------------------|---------|
| <b>Top Depth:</b>                | 20.7              |                            |                  | <b>Material Moisture:</b>  |         |
| <b>Bottom Depth:</b>             | 23.2              |                            |                  | <b>Material Texture:</b>   |         |
| <b>Material Color:</b>           | Grey              |                            |                  | <b>Non Geo Mat Type:</b>   |         |
| <b>Material 1:</b>               | Sand              |                            |                  | <b>Geologic Formation:</b> |         |
| <b>Material 2:</b>               | Silt              |                            |                  | <b>Geologic Group:</b>     |         |
| <b>Material 3:</b>               | Gravel            |                            |                  | <b>Geologic Period:</b>    |         |
| <b>Material 4:</b>               |                   |                            |                  | <b>Depositional Gen:</b>   |         |
| <b>Gsc Material Description:</b> |                   |                            |                  |                            |         |
| <b>Stratum Description:</b>      |                   | SAND. GREY,COMPACT.        |                  |                            |         |
| <b>Geology Stratum ID:</b>       | 218394361         |                            |                  | <b>Mat Consistency:</b>    |         |
| <b>Top Depth:</b>                | 0                 |                            |                  | <b>Material Moisture:</b>  |         |
| <b>Bottom Depth:</b>             | .6                |                            |                  | <b>Material Texture:</b>   |         |
| <b>Material Color:</b>           |                   |                            |                  | <b>Non Geo Mat Type:</b>   |         |
| <b>Material 1:</b>               | Soil              |                            |                  | <b>Geologic Formation:</b> |         |
| <b>Material 2:</b>               | Sand              |                            |                  | <b>Geologic Group:</b>     |         |
| <b>Material 3:</b>               |                   |                            |                  | <b>Geologic Period:</b>    |         |
| <b>Material 4:</b>               |                   |                            |                  | <b>Depositional Gen:</b>   |         |
| <b>Gsc Material Description:</b> |                   |                            |                  |                            |         |
| <b>Stratum Description:</b>      |                   | SOIL.                      |                  |                            |         |
| <b>Geology Stratum ID:</b>       | 218394365         |                            |                  | <b>Mat Consistency:</b>    | Compact |
| <b>Top Depth:</b>                | 16.5              |                            |                  | <b>Material Moisture:</b>  |         |
| <b>Bottom Depth:</b>             | 20.4              |                            |                  | <b>Material Texture:</b>   |         |
| <b>Material Color:</b>           | Grey              |                            |                  | <b>Non Geo Mat Type:</b>   |         |
| <b>Material 1:</b>               | Silt              |                            |                  | <b>Geologic Formation:</b> |         |
| <b>Material 2:</b>               | Sand              |                            |                  | <b>Geologic Group:</b>     |         |
| <b>Material 3:</b>               | Gravel            |                            |                  | <b>Geologic Period:</b>    |         |
| <b>Material 4:</b>               |                   |                            |                  | <b>Depositional Gen:</b>   |         |
| <b>Gsc Material Description:</b> |                   |                            |                  |                            |         |
| <b>Stratum Description:</b>      |                   | SILT. GREY,COMPACT.        |                  |                            |         |
| <b>Geology Stratum ID:</b>       | 218394368         |                            |                  | <b>Mat Consistency:</b>    | Hard    |
| <b>Top Depth:</b>                | 23.2              |                            |                  | <b>Material Moisture:</b>  |         |
| <b>Bottom Depth:</b>             | 28.7              |                            |                  | <b>Material Texture:</b>   |         |
| <b>Material Color:</b>           | Brown             |                            |                  | <b>Non Geo Mat Type:</b>   |         |
| <b>Material 1:</b>               | Till              |                            |                  | <b>Geologic Formation:</b> |         |
| <b>Material 2:</b>               | Sand              |                            |                  | <b>Geologic Group:</b>     |         |
| <b>Material 3:</b>               |                   |                            |                  | <b>Geologic Period:</b>    |         |
| <b>Material 4:</b>               |                   |                            |                  | <b>Depositional Gen:</b>   |         |
| <b>Gsc Material Description:</b> |                   |                            |                  |                            |         |
| <b>Stratum Description:</b>      |                   | TILL. BROWN,VERY HARD.     |                  |                            |         |
| <b>Geology Stratum ID:</b>       | 218394362         |                            |                  | <b>Mat Consistency:</b>    | Loose   |
| <b>Top Depth:</b>                | .6                |                            |                  | <b>Material Moisture:</b>  |         |
| <b>Bottom Depth:</b>             | 4.5               |                            |                  | <b>Material Texture:</b>   |         |
| <b>Material Color:</b>           | Brown             |                            |                  | <b>Non Geo Mat Type:</b>   |         |
| <b>Material 1:</b>               | Sand              |                            |                  | <b>Geologic Formation:</b> |         |
| <b>Material 2:</b>               |                   |                            |                  | <b>Geologic Group:</b>     |         |
| <b>Material 3:</b>               |                   |                            |                  | <b>Geologic Period:</b>    |         |
| <b>Material 4:</b>               |                   |                            |                  | <b>Depositional Gen:</b>   |         |
| <b>Gsc Material Description:</b> |                   |                            |                  |                            |         |
| <b>Stratum Description:</b>      |                   | SAND. BROWN,LOOSE.         |                  |                            |         |
| <b>Geology Stratum ID:</b>       | 218394366         |                            |                  | <b>Mat Consistency:</b>    |         |
| <b>Top Depth:</b>                | 20.4              |                            |                  | <b>Material Moisture:</b>  |         |
| <b>Bottom Depth:</b>             | 20.7              |                            |                  | <b>Material Texture:</b>   |         |
| <b>Material Color:</b>           |                   |                            |                  | <b>Non Geo Mat Type:</b>   |         |
| <b>Material 1:</b>               | Gravel            |                            |                  | <b>Geologic Formation:</b> |         |
| <b>Material 2:</b>               |                   |                            |                  | <b>Geologic Group:</b>     |         |
| <b>Material 3:</b>               |                   |                            |                  | <b>Geologic Period:</b>    |         |
| <b>Material 4:</b>               |                   |                            |                  | <b>Depositional Gen:</b>   |         |
| <b>Gsc Material Description:</b> |                   |                            |                  |                            |         |
| <b>Stratum Description:</b>      |                   | GRAVEL.                    |                  |                            |         |
| <b>Geology Stratum ID:</b>       | 218394369         |                            |                  | <b>Mat Consistency:</b>    |         |







| Map Key                  | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site                   | DB |
|--------------------------|-------------------|-------------------------|---------------|------------------------|----|
| <b>MHSW Facility:</b>    |                   |                         |               | <b>Phone No Admin:</b> |    |
| <b>SIC Code:</b>         |                   |                         |               |                        |    |
| <b>SIC Description:</b>  |                   |                         |               |                        |    |
| <b>Detail(s)</b>         |                   |                         |               |                        |    |
| <b>Waste Class:</b>      |                   | 221                     |               |                        |    |
| <b>Waste Class Desc:</b> |                   | LIGHT FUELS             |               |                        |    |
| <b>Waste Class:</b>      |                   | 251                     |               |                        |    |
| <b>Waste Class Desc:</b> |                   | OIL SKIMMINGS & SLUDGES |               |                        |    |
| <b>Waste Class:</b>      |                   | 252                     |               |                        |    |
| <b>Waste Class Desc:</b> |                   | WASTE OILS & LUBRICANTS |               |                        |    |

|                               |   |           |              |                            |                              |
|-------------------------------|---|-----------|--------------|----------------------------|------------------------------|
| <a href="#">72</a>            | 1 of 1                                    | ENE/236.3 | 69.7 / -1.30 | 47 LEES AVE, OTTAWA ON     | PINC                         |
| <b>Incident ID:</b>           |   |           |              | <b>Health Impact:</b>      |                              |
| <b>Incident No:</b>           | 1420890                                   |           |              | <b>Environment Impact:</b> |                              |
| <b>Type:</b>                  | FS-Pipeline Incident                      |           |              | <b>Property Damage:</b>    | Yes                          |
| <b>Status Code:</b>           | Pipeline Damage Reason Est                |           |              | <b>Service Interrupt:</b>  |                              |
| <b>Fuel Occurrence Tp:</b>    |   |           |              | <b>Enforce Policy:</b>     | Yes                          |
| <b>Fuel Type:</b>             |   |           |              | <b>Public Relation:</b>    |                              |
| <b>Tank Status:</b>           | RC Established                            |           |              | <b>Pipeline System:</b>    |                              |
| <b>Task No:</b>               | 5072261                                   |           |              | <b>Depth:</b>              |                              |
| <b>Spills Action Centre:</b>  |   |           |              | <b>Pipe Material:</b>      |                              |
| <b>Method Details:</b>        | E-mail                                    |           |              | <b>PSIG:</b>               |                              |
| <b>Fuel Category:</b>         | Natural Gas                               |           |              | <b>Attribute Category:</b> | FS-Perform P-line Inc Invest |
| <b>Date of Occurrence:</b>    |   |           |              | <b>Regulator Location:</b> |                              |
| <b>Occurrence Start Date:</b> | 2014/07/03                                |           |              |                            |                              |
| <b>Operation Type:</b>        |   |           |              |                            |                              |
| <b>Pipeline Type:</b>         |   |           |              |                            |                              |
| <b>Regulator Type:</b>        |   |           |              |                            |                              |
| <b>Summary:</b>               | 47 LEES AVE, OTTAWA - PIPELINE HIT - 1/2" |           |              |                            |                              |
| <b>Reported By:</b>           | Ryan Noble - Enbridge Gas                 |           |              |                            |                              |
| <b>Affiliation:</b>           |   |           |              |                            |                              |
| <b>Occurrence Desc:</b>       |   |           |              |                            |                              |
| <b>Damage Reason:</b>         | Excavation practices not sufficient       |           |              |                            |                              |
| <b>Notes:</b>                 |   |           |              |                            |                              |

|                             |                      |         |              |  |       |
|-----------------------------|----------------------|---------|--------------|--|-------|
| <a href="#">73</a>          | 1 of 1               | W/236.5 | 64.4 / -6.53 | DRAIN-ALL LTD.<br>INTERSECTION OF ISABELLA AND ELGIN TANK<br>TRUCK (CARGO)<br>GLOUCESTER CITY ON | SPL   |
| <b>Ref No:</b>              | 156676               |         |              | <b>Discharger Report:</b>  |       |
| <b>Site No:</b>             |                      |         |              | <b>Material Group:</b>   |       |
| <b>Incident Dt:</b>         | 6/10/1998            |         |              | <b>Health/Env Conseq:</b>  |       |
| <b>Year:</b>                |                      |         |              | <b>Client Type:</b>  |       |
| <b>Incident Cause:</b>      | OTHER CAUSE (N.O.S.) |         |              | <b>Sector Type:</b>  |       |
| <b>Incident Event:</b>      |                      |         |              | <b>Agency Involved:</b>  |       |
| <b>Contaminant Code:</b>    |                      |         |              | <b>Nearest Watercourse:</b>  |       |
| <b>Contaminant Name:</b>    |                      |         |              | <b>Site Address:</b>   |       |
| <b>Contaminant Limit 1:</b> |                      |         |              | <b>Site District Office:</b>   |       |
| <b>Contam Limit Freq 1:</b> |                      |         |              | <b>Site Postal Code:</b>   |       |
| <b>Contaminant UN No 1:</b> |                      |         |              | <b>Site Region:</b>  |       |
| <b>Environment Impact:</b>  | NOT ANTICIPATED      |         |              | <b>Site Municipality:</b>  | 20105 |
| <b>Nature of Impact:</b>    |                      |         |              | <b>Site Lot:</b>   |       |
| <b>Receiving Medium:</b>    | LAND                 |         |              | <b>Site Conc:</b>  |       |
| <b>Receiving Env:</b>       |                      |         |              | <b>Northing:</b>   |       |

| Map Key  | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site  | DB |
|--|-------------------|-------------------------|---------------|---|----|
| <b>MOE Response:</b><br><b>Dt MOE Arvl on Scrn:</b><br><b>MOE Reported Dt:</b> 6/10/1998<br><b>Dt Document Closed:</b><br><b>Incident Reason:</b> EQUIPMENT FAILURE<br><b>Site Name:</b><br><b>Site County/District:</b><br><b>Site Geo Ref Meth:</b><br><b>Incident Summary:</b> DRAIN-ALL: 8L WATER- BASED PAINT SPILLED TO ROAD.<br><b>Contaminant Qty:</b> |                   |                         |               | <b>Easting:</b><br><b>Site Geo Ref Accu:</b><br><b>Site Map Datum:</b><br><b>SAC Action Class:</b><br><b>Source Type:</b> |    |

| <a href="#">74</a>   | 1 of 1   | W/237.0 | 68.5 / -2.49 | ON | BORE |
|--|--|---------|--------------|----|------|
| <b>Borehole ID:</b> 613233<br><b>OGF ID:</b> 215514535<br><b>Status:</b><br><b>Type:</b> Borehole<br><b>Use:</b><br><b>Completion Date:</b> SEP-1933<br><b>Static Water Level:</b><br><b>Primary Water Use:</b><br><b>Sec. Water Use:</b><br><b>Total Depth m:</b> -999<br><b>Depth Ref:</b> Ground Surface<br><b>Depth Elev:</b><br><b>Drill Method:</b><br><b>Orig Ground Elev m:</b> 70.7<br><b>Elev Reliabil Note:</b><br><b>DEM Ground Elev m:</b> 66.2<br><b>Concession:</b><br><b>Location D:</b><br><b>Survey D:</b><br><b>Comments:</b> | <b>Inclin FLG:</b> No<br><b>SP Status:</b> Initial Entry<br><b>Surv Elev:</b> No<br><b>Piezometer:</b> No<br><b>Primary Name:</b><br><b>Municipality:</b><br><b>Lot:</b><br><b>Township:</b><br><b>Latitude DD:</b> 45.412488<br><b>Longitude DD:</b> -75.68474<br><b>UTM Zone:</b> 18<br><b>Easting:</b> 446421<br><b>Northing:</b> 5029002<br><b>Location Accuracy:</b><br><b>Accuracy:</b> Not Applicable |         |              |    |      |

**Borehole Geology Stratum**

|  |   |
|--|---|
| <b>Geology Stratum ID:</b> 218394255<br><b>Top Depth:</b> 5.5<br><b>Bottom Depth:</b> 13.4<br><b>Material Color:</b> Blue<br><b>Material 1:</b> Clay<br><b>Material 2:</b><br><b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b> CLAY. BLUE,FIRM. | <b>Mat Consistency:</b> Firm<br><b>Material Moisture:</b><br><b>Material Texture:</b><br><b>Non Geo Mat Type:</b><br><b>Geologic Formation:</b><br><b>Geologic Group:</b><br><b>Geologic Period:</b><br><b>Depositional Gen:</b>  |
| <b>Geology Stratum ID:</b> 218394252<br><b>Top Depth:</b> 0<br><b>Bottom Depth:</b> .3<br><b>Material Color:</b><br><b>Material 1:</b> Sand<br><b>Material 2:</b><br><b>Material 3:</b><br><b>Material 4:</b><br><b>Gsc Material Description:</b><br><b>Stratum Description:</b> SAND. LOOSE.              | <b>Mat Consistency:</b> Loose<br><b>Material Moisture:</b><br><b>Material Texture:</b><br><b>Non Geo Mat Type:</b><br><b>Geologic Formation:</b><br><b>Geologic Group:</b><br><b>Geologic Period:</b><br><b>Depositional Gen:</b> |
| <b>Geology Stratum ID:</b> 218394254<br><b>Top Depth:</b> 1.8<br><b>Bottom Depth:</b> 5.5<br><b>Material Color:</b> Grey   | <b>Mat Consistency:</b> Firm<br><b>Material Moisture:</b><br><b>Material Texture:</b><br><b>Non Geo Mat Type:</b>   |

| Map Key  | Number of Records                         | Direction/ Distance (m) | Elev/Diff (m) | Site  | DB      |
|--|---|-------------------------|---------------|---|---------|
| Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material Description:<br>Stratum Description:  | Clay                                      |                         |               | Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:   |         |
| Geology Stratum ID:<br>Top Depth:<br>Bottom Depth:<br>Material Color:<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material Description:<br>Stratum Description: | 218394253<br>.3<br>1.8<br>Clay            |                         |               | Mat Consistency:<br>Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen: | Compact |
| Geology Stratum ID:<br>Top Depth:<br>Bottom Depth:<br>Material Color:<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material Description:<br>Stratum Description: | 218394256<br>13.4<br>Grey<br>Sand<br>Silt |                         |               | Mat Consistency:<br>Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen: | Compact |
| SAND,SILT. LOOSE. D. LOOSE. STIFF. SILT. GREY,COMPACT. 0000001700060013001500030049000 **Note: Many records provided by the department have a truncated [Stratum Description] field.   |   |                         |               |   |         |

#### Source

|                 |  |               |                        |
|-----------------|--|---------------|------------------------|
| Source Type:    | Data Survey  | Source Appl:  | Spatial/Tabular        |
| Source Orig:    | Geological Survey of Canada  | Source Iden:  | 1                      |
| Source Date:    | 1956-1972  | Scale or Res: | Varies                 |
| Confidence:     | H  | Horizontal:   | NAD27                  |
| Observatio:     |  | Verticalda:   | Mean Average Sea Level |
| Source Name:    | Urban Geology Automated Information System (UGAIS)                                 |               |                        |
| Source Details: | File: OTTAWA2.txt RecordID: 057410 NTS_Sheet: 31G05G                               |               |                        |
| Confiden 1:     | Logged by professional. Exact and complete description of material and properties. |               |                        |

#### Source List

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

75

1 of 1

W/239.0

64.4 / -6.53

City of Ottawa  
Elgin St Isabella Street  
Ottawa ON K2G 6J8

ECA

|                |  |               |  |
|----------------|--|---------------|--|
| Approval No:   | 6595-99MKMF                            | MOE District: |  |
| Approval Date: | 2013-08-29                             | City:         |  |
| Status:        | Approved                               | Longitude:    |  |
| Record Type:   | ECA                                    | Latitude:     |  |
| Link Source:   | IDS                                    | Geometry X:   |  |
| SWP Area Name: |  | Geometry Y:   |  |
| Approval Type: | ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS |               |  |
| Project Type:  | MUNICIPAL AND PRIVATE SEWAGE WORKS     |               |  |
| Address:       | Elgin St Isabella Street               |               |  |

| Map Key   | Number of Records   | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site  | DB  |
|---|---|----------------------------|------------------|---|-----|
| <b>Full Address:</b>  |   |                            |                  |   |     |
| <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/1213-978PNB-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/1213-978PNB-14.pdf</a> |   |                            |                  |   |     |
| <a href="#">76</a>  | 1 of 14   | WNW/240.3                  | 69.4 / -1.52     | LEVINSON-VINER IN TRUST<br>150 QUEEN ELIZABETH DRIVEWAY<br>OTTAWA ON K2P 1E7  | GEN |
| <b>Generator No:</b>  | ON2384100   |                            |                  | <b>PO Box No:</b>   |     |
| <b>Status:</b>  |   |                            |                  | <b>Country:</b>   |     |
| <b>Approval Years:</b>  | 98,99,00,01   |                            |                  | <b>Choice of Contact:</b>   |     |
| <b>Contam. Facility:</b>  |   |                            |                  | <b>Co Admin:</b>  |     |
| <b>MHSW Facility:</b>   |   |                            |                  | <b>Phone No Admin:</b>  |     |
| <b>SIC Code:</b>  | 9999  |                            |                  |   |     |
| <b>SIC Description:</b>   | OTHER SERVICES  |                            |                  |   |     |
| <b>Detail(s)</b>  |   |                            |                  |   |     |
| <b>Waste Class:</b>   | 222   |                            |                  |   |     |
| <b>Waste Class Desc:</b>  | HEAVY FUELS   |                            |                  |   |     |
| <a href="#">76</a>  | 2 of 14   | WNW/240.3                  | 69.4 / -1.52     | CLV Group<br>150 Queen Elizabeth Driveway<br>Ottawa ON K2P 1E7                | GEN |
| <b>Generator No:</b>  | ON4888743   |                            |                  | <b>PO Box No:</b>   |     |
| <b>Status:</b>  |   |                            |                  | <b>Country:</b>   |     |
| <b>Approval Years:</b>  | 07,08   |                            |                  | <b>Choice of Contact:</b>   |     |
| <b>Contam. Facility:</b>  |   |                            |                  | <b>Co Admin:</b>  |     |
| <b>MHSW Facility:</b>   |   |                            |                  | <b>Phone No Admin:</b>  |     |
| <b>SIC Code:</b>  | 531111  |                            |                  |   |     |
| <b>SIC Description:</b>   | Lessors of Residential Buildings and Dwellings (except Social Housing Projects) |                            |                  |   |     |
| <b>Detail(s)</b>  |   |                            |                  |   |     |
| <b>Waste Class:</b>   | 251   |                            |                  |   |     |
| <b>Waste Class Desc:</b>  | OIL SKIMMINGS & SLUDGES   |                            |                  |   |     |
| <a href="#">76</a>  | 3 of 14   | WNW/240.3                  | 69.4 / -1.52     | Paramount Property Management<br>150 Queen Elizabeth Dr.<br>Ottawa ON K2P 1E7 | GEN |
| <b>Generator No:</b>  | ON8478145   |                            |                  | <b>PO Box No:</b>   |     |
| <b>Status:</b>  |   |                            |                  | <b>Country:</b>   |     |
| <b>Approval Years:</b>  | 2009  |                            |                  | <b>Choice of Contact:</b>   |     |
| <b>Contam. Facility:</b>  |   |                            |                  | <b>Co Admin:</b>  |     |
| <b>MHSW Facility:</b>   |   |                            |                  | <b>Phone No Admin:</b>  |     |
| <b>SIC Code:</b>  | 531310  |                            |                  |   |     |
| <b>SIC Description:</b>   | Real Estate Property Managers   |                            |                  |   |     |
| <b>Detail(s)</b>  |   |                            |                  |   |     |
| <b>Waste Class:</b>   | 251   |                            |                  |   |     |
| <b>Waste Class Desc:</b>  | OIL SKIMMINGS & SLUDGES   |                            |                  |   |     |
| <a href="#">76</a>  | 4 of 14   | WNW/240.3                  | 69.4 / -1.52     | Paramount Property Management<br>150 Queen Elizabeth Dr.<br>Ottawa ON K2P 1E7 | GEN |
| <b>Generator No:</b>  | ON8478145   |                            |                  | <b>PO Box No:</b>   |     |

| Map Key   | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site  | DB  |
|---|-------------------|----------------------------|------------------|---|-----|
| <b>Status:</b><br><b>Approval Years:</b> 2010<br><b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b> 531310<br><b>SIC Description:</b> Real Estate Property Managers<br><b>Country:</b><br><b>Choice of Contact:</b><br><b>Co Admin:</b><br><b>Phone No Admin:</b>  |                   |                            |                  |   |     |
| <b>Detail(s)</b>  |                   |                            |                  |   |     |
| <b>Waste Class:</b> 251<br><b>Waste Class Desc:</b> OIL SKIMMINGS & SLUDGES   |                   |                            |                  |   |     |
| <a href="#">76</a>  | 5 of 14           | WNW/240.3                  | 69.4 / -1.52     | Paramount Property Management<br>150 Queen Elizabeth Dr.<br>Ottawa ON K2P 1E7 | GEN |
| <b>Generator No:</b> ON8478145<br><b>Status:</b><br><b>Approval Years:</b> 2011<br><b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b> 531310<br><b>SIC Description:</b> Real Estate Property Managers<br><b>PO Box No:</b><br><b>Country:</b><br><b>Choice of Contact:</b><br><b>Co Admin:</b><br><b>Phone No Admin:</b>   |                   |                            |                  |   |     |
| <b>Detail(s)</b>  |                   |                            |                  |   |     |
| <b>Waste Class:</b> 251<br><b>Waste Class Desc:</b> OIL SKIMMINGS & SLUDGES   |                   |                            |                  |   |     |
| <a href="#">76</a>  | 6 of 14           | WNW/240.3                  | 69.4 / -1.52     | Paramount Property Management<br>150 Queen Elizabeth Dr.<br>Ottawa ON K2P 1E7 | GEN |
| <b>Generator No:</b> ON8478145<br><b>Status:</b><br><b>Approval Years:</b> 2012<br><b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b> 531310<br><b>SIC Description:</b> Real Estate Property Managers<br><b>PO Box No:</b><br><b>Country:</b><br><b>Choice of Contact:</b><br><b>Co Admin:</b><br><b>Phone No Admin:</b>   |                   |                            |                  |   |     |
| <b>Detail(s)</b>  |                   |                            |                  |   |     |
| <b>Waste Class:</b> 251<br><b>Waste Class Desc:</b> OIL SKIMMINGS & SLUDGES   |                   |                            |                  |   |     |
| <a href="#">76</a>  | 7 of 14           | WNW/240.3                  | 69.4 / -1.52     | Paramount Properties<br>150 Queen Elizabeth Drive<br>Ottawa ON                | GEN |
| <b>Generator No:</b> ON8754232<br><b>Status:</b><br><b>Approval Years:</b> 2013<br><b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b> 531111<br><b>SIC Description:</b> LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS (EXCEPT SOCIAL HOUSING PROJECTS)<br><b>PO Box No:</b><br><b>Country:</b><br><b>Choice of Contact:</b><br><b>Co Admin:</b><br><b>Phone No Admin:</b> |                   |                            |                  |   |     |
| <b>Detail(s)</b>  |                   |                            |                  |   |     |

| Map Key                  | Number of Records             | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site  | DB                |
|--------------------------|-------------------------------|----------------------------|------------------|---|-------------------|
| <b>Waste Class:</b>      |                               | 251                        |                  |   |                   |
| <b>Waste Class Desc:</b> |                               | OIL SKIMMINGS & SLUDGES    |                  |   |                   |
| <a href="#">76</a>       | 8 of 14                       | WNW/240.3                  | 69.4 / -1.52     | Paramount Property Management<br>150 Queen Elizabeth Dr.<br>Ottawa ON         | GEN               |
| <b>Generator No:</b>     | ON8478145                     |                            |                  | <b>PO Box No:</b>   |                   |
| <b>Status:</b>           |                               |                            |                  | <b>Country:</b>   |                   |
| <b>Approval Years:</b>   | 2013                          |                            |                  | <b>Choice of Contact:</b>   |                   |
| <b>Contam. Facility:</b> |                               |                            |                  | <b>Co Admin:</b>  |                   |
| <b>MHSW Facility:</b>    |                               |                            |                  | <b>Phone No Admin:</b>  |                   |
| <b>SIC Code:</b>         | 531310                        |                            |                  |   |                   |
| <b>SIC Description:</b>  | REAL ESTATE PROPERTY MANAGERS |                            |                  |   |                   |
| <b><u>Detail(s)</u></b>  |                               |                            |                  |   |                   |
| <b>Waste Class:</b>      |                               | 251                        |                  |   |                   |
| <b>Waste Class Desc:</b> |                               | OIL SKIMMINGS & SLUDGES    |                  |   |                   |
| <a href="#">76</a>       | 9 of 14                       | WNW/240.3                  | 69.4 / -1.52     | Paramount Property Management<br>150 Queen Elizabeth Dr.<br>Ottawa ON K1B 5M1 | GEN               |
| <b>Generator No:</b>     | ON8478145                     |                            |                  | <b>PO Box No:</b>   |                   |
| <b>Status:</b>           |                               |                            |                  | <b>Country:</b>   | Canada            |
| <b>Approval Years:</b>   | 2015                          |                            |                  | <b>Choice of Contact:</b>   | CO_ADMIN          |
| <b>Contam. Facility:</b> | No                            |                            |                  | <b>Co Admin:</b>  | Heather Rae       |
| <b>MHSW Facility:</b>    | No                            |                            |                  | <b>Phone No Admin:</b>  | 613-233-1222 Ext. |
| <b>SIC Code:</b>         | 531310                        |                            |                  |   |                   |
| <b>SIC Description:</b>  | REAL ESTATE PROPERTY MANAGERS |                            |                  |   |                   |
| <b><u>Detail(s)</u></b>  |                               |                            |                  |   |                   |
| <b>Waste Class:</b>      |                               | 251                        |                  |   |                   |
| <b>Waste Class Desc:</b> |                               | OIL SKIMMINGS & SLUDGES    |                  |   |                   |
| <a href="#">76</a>       | 10 of 14                      | WNW/240.3                  | 69.4 / -1.52     | Paramount Property Management<br>150 Queen Elizabeth Dr.<br>Ottawa ON K1B 5M1 | GEN               |
| <b>Generator No:</b>     | ON8478145                     |                            |                  | <b>PO Box No:</b>   |                   |
| <b>Status:</b>           |                               |                            |                  | <b>Country:</b>   | Canada            |
| <b>Approval Years:</b>   | 2016                          |                            |                  | <b>Choice of Contact:</b>   | CO_ADMIN          |
| <b>Contam. Facility:</b> | No                            |                            |                  | <b>Co Admin:</b>  | Heather Rae       |
| <b>MHSW Facility:</b>    | No                            |                            |                  | <b>Phone No Admin:</b>  | 613-233-1222 Ext. |
| <b>SIC Code:</b>         | 531310                        |                            |                  |   |                   |
| <b>SIC Description:</b>  | REAL ESTATE PROPERTY MANAGERS |                            |                  |   |                   |
| <b><u>Detail(s)</u></b>  |                               |                            |                  |   |                   |
| <b>Waste Class:</b>      |                               | 251                        |                  |   |                   |
| <b>Waste Class Desc:</b> |                               | OIL SKIMMINGS & SLUDGES    |                  |   |                   |
| <a href="#">76</a>       | 11 of 14                      | WNW/240.3                  | 69.4 / -1.52     | Paramount Property Management<br>150 Queen Elizabeth Dr.<br>Ottawa ON K1B 5M1 | GEN               |
| <b>Generator No:</b>     | ON8478145                     |                            |                  | <b>PO Box No:</b>   |                   |
| <b>Status:</b>           |                               |                            |                  | <b>Country:</b>   | Canada            |

| Map Key  | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site   | DB  |
|--|-------------------|----------------------------|------------------|--|-----|
| <b>Approval Years:</b> 2014<br><b>Contam. Facility:</b> No<br><b>MHSW Facility:</b> No<br><b>SIC Code:</b> 531310<br><b>SIC Description:</b> REAL ESTATE PROPERTY MANAGERS   |                   |                            |                  | <b>Choice of Contact:</b> CO_OFFICIAL<br><b>Co Admin:</b><br><b>Phone No Admin:</b>  |     |
| <b>Detail(s)</b>   |                   |                            |                  |  |     |
| <b>Waste Class:</b> 251<br><b>Waste Class Desc:</b> OIL SKIMMINGS & SLUDGES  |                   |                            |                  |  |     |
| <a href="#">76</a>   | 12 of 14          | WNW/240.3                  | 69.4 / -1.52     | <b>Paramount Properties</b><br><b>150 Queen Elizabeth Drive</b><br><b>Ottawa ON K2P 1E7</b>  | GEN |
| <b>Generator No:</b> ON8754232<br><b>Status:</b><br><b>Approval Years:</b> 2014<br><b>Contam. Facility:</b> No<br><b>MHSW Facility:</b> No<br><b>SIC Code:</b> 531111<br><b>SIC Description:</b> LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS (EXCEPT SOCIAL HOUSING PROJECTS) |                   |                            |                  | <b>PO Box No:</b><br><b>Country:</b> Canada<br><b>Choice of Contact:</b> CO_OFFICIAL<br><b>Co Admin:</b><br><b>Phone No Admin:</b> |     |
| <b>Detail(s)</b>   |                   |                            |                  |  |     |
| <b>Waste Class:</b> 251<br><b>Waste Class Desc:</b> OIL SKIMMINGS & SLUDGES  |                   |                            |                  |  |     |
| <a href="#">76</a>   | 13 of 14          | WNW/240.3                  | 69.4 / -1.52     | <b>Paramount Property Management</b><br><b>150 Queen Elizabeth Dr.</b><br><b>Ottawa ON K1B 5M1</b>                                 | GEN |
| <b>Generator No:</b> ON8478145<br><b>Status:</b> Registered<br><b>Approval Years:</b> As of Dec 2018<br><b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b><br><b>SIC Description:</b>   |                   |                            |                  | <b>PO Box No:</b><br><b>Country:</b> Canada<br><b>Choice of Contact:</b><br><b>Co Admin:</b><br><b>Phone No Admin:</b>             |     |
| <b>Detail(s)</b>   |                   |                            |                  |  |     |
| <b>Waste Class:</b> 251 L<br><b>Waste Class Desc:</b> Waste oils/sludges (petroleum based)   |                   |                            |                  |  |     |
| <a href="#">76</a>   | 14 of 14          | WNW/240.3                  | 69.4 / -1.52     | <b>Paramount Property Management</b><br><b>150 Queen Elizabeth Dr.</b><br><b>Ottawa ON K1B 5M1</b>                                 | GEN |
| <b>Generator No:</b> ON8478145<br><b>Status:</b> Registered<br><b>Approval Years:</b> As of Mar 2019<br><b>Contam. Facility:</b><br><b>MHSW Facility:</b><br><b>SIC Code:</b><br><b>SIC Description:</b>   |                   |                            |                  | <b>PO Box No:</b><br><b>Country:</b> Canada<br><b>Choice of Contact:</b><br><b>Co Admin:</b><br><b>Phone No Admin:</b>             |     |
| <b>Detail(s)</b>   |                   |                            |                  |  |     |
| <b>Waste Class:</b> 251 L  |                   |                            |                  |  |     |

| Map Key                      | Number of Records  | Direction/<br>Distance (m)           | Elev/Diff<br>(m) | Site  | DB        |
|------------------------------|--|--------------------------------------|------------------|---|-----------|
| <b>Waste Class Desc:</b>     |  | Waste oils/sludges (petroleum based) |                  |   |           |
| <a href="#">77</a>           | 1 of 1   | N/243.6                              | 64.6 / -6.34     | Rene Goulard<br>135 Echo Drive<br>Ottawa ON K1S1M9                          | GEN       |
| <b>Generator No:</b>         | ON5921032  |                                      |                  | <b>PO Box No:</b>   |           |
| <b>Status:</b>               | Registered   |                                      |                  | <b>Country:</b>   | Canada    |
| <b>Approval Years:</b>       | As of Dec 2018   |                                      |                  | <b>Choice of Contact:</b>   |           |
| <b>Contam. Facility:</b>     |  |                                      |                  | <b>Co Admin:</b>  |           |
| <b>MHSW Facility:</b>        |  |                                      |                  | <b>Phone No Admin:</b>  |           |
| <b>SIC Code:</b>             |  |                                      |                  |   |           |
| <b>SIC Description:</b>      |  |                                      |                  |   |           |
| <b>Detail(s)</b>             |  |                                      |                  |   |           |
| <b>Waste Class:</b>          | 221 L  |                                      |                  |   |           |
| <b>Waste Class Desc:</b>     | Light fuels  |                                      |                  |   |           |
| <a href="#">78</a>           | 1 of 1   | NW/244.0                             | 63.9 / -7.08     | OTTAWA HYDRO<br>QUEEN ELISABETH & CARTIER.<br>TRANSFORMER<br>OTTAWA CITY ON | SPL       |
| <b>Ref No:</b>               | 104570   |                                      |                  | <b>Discharger Report:</b>   |           |
| <b>Site No:</b>              |  |                                      |                  | <b>Material Group:</b>  |           |
| <b>Incident Dt:</b>          | 8/28/1994  |                                      |                  | <b>Health/Env Conseq:</b>   |           |
| <b>Year:</b>                 |  |                                      |                  | <b>Client Type:</b>   |           |
| <b>Incident Cause:</b>       | COOLING SYSTEM LEAK  |                                      |                  | <b>Sector Type:</b>   |           |
| <b>Incident Event:</b>       |  |                                      |                  | <b>Agency Involved:</b>   |           |
| <b>Contaminant Code:</b>     |  |                                      |                  | <b>Nearest Watercourse:</b>   |           |
| <b>Contaminant Name:</b>     |  |                                      |                  | <b>Site Address:</b>  |           |
| <b>Contaminant Limit 1:</b>  |  |                                      |                  | <b>Site District Office:</b>  |           |
| <b>Contam Limit Freq 1:</b>  |  |                                      |                  | <b>Site Postal Code:</b>  |           |
| <b>Contaminant UN No 1:</b>  |  |                                      |                  | <b>Site Region:</b>   |           |
| <b>Environment Impact:</b>   | NOT ANTICIPATED  |                                      |                  | <b>Site Municipality:</b>   | 20101     |
| <b>Nature of Impact:</b>     |  |                                      |                  | <b>Site Lot:</b>  |           |
| <b>Receiving Medium:</b>     | LAND   |                                      |                  | <b>Site Conc:</b>   |           |
| <b>Receiving Env:</b>        |  |                                      |                  | <b>Northing:</b>  |           |
| <b>MOE Response:</b>         |  |                                      |                  | <b>Easting:</b>   |           |
| <b>Dt MOE Arvl on Scn:</b>   |  |                                      |                  | <b>Site Geo Ref Accu:</b>   |           |
| <b>MOE Reported Dt:</b>      | 8/28/1994  |                                      |                  | <b>Site Map Datum:</b>  |           |
| <b>Dt Document Closed:</b>   |  |                                      |                  | <b>SAC Action Class:</b>  |           |
| <b>Incident Reason:</b>      | STORM/FLOOD/WIND   |                                      |                  | <b>Source Type:</b>   |           |
| <b>Site Name:</b>            |  |                                      |                  |   |           |
| <b>Site County/District:</b> |  |                                      |                  |   |           |
| <b>Site Geo Ref Meth:</b>    |  |                                      |                  |   |           |
| <b>Incident Summary:</b>     | OTTAWA HYDRO.: 45 L NON-PCB OIL TO PAVEMENT, CONTAINED & CLEANED UP. |                                      |                  |   |           |
| <b>Contaminant Qty:</b>      |  |                                      |                  |   |           |
| <a href="#">79</a>           | 1 of 1   | N/245.6                              | 64.6 / -6.34     | ON  | WWIS      |
| <b>Well ID:</b>              | 7313148  |                                      |                  | <b>Data Entry Status:</b>   | Yes       |
| <b>Construction Date:</b>    |  |                                      |                  | <b>Data Src:</b>  |           |
| <b>Primary Water Use:</b>    |  |                                      |                  | <b>Date Received:</b>   | 6/19/2018 |
| <b>Sec. Water Use:</b>       |  |                                      |                  | <b>Selected Flag:</b>   | Yes       |
| <b>Final Well Status:</b>    |  |                                      |                  | <b>Abandonment Rec:</b>   |           |
| <b>Water Type:</b>           |  |                                      |                  | <b>Contractor:</b>  | 7241      |
| <b>Casing Material:</b>      |  |                                      |                  | <b>Form Version:</b>  | 7         |
| <b>Audit No:</b>             | Z277415  |                                      |                  | <b>Owner:</b>   |           |
| <b>Tag:</b>                  | A182499  |                                      |                  | <b>Street Name:</b>   |           |



| Map Key  | Number of Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site  | DB |
|--|-------------------|----------------------------|------------------|---|----|
| <b>Construction Method:</b><br><b>Elevation (m):</b><br><b>Elevation Reliability:</b><br><b>Depth to Bedrock:</b><br><b>Well Depth:</b><br><b>Overburden/Bedrock:</b><br><b>Pump Rate:</b><br><b>Static Water Level:</b><br><b>Flowing (Y/N):</b><br><b>Flow Rate:</b><br><b>Clear/Cloudy:</b> |                   |                            |                  | <b>County:</b> OTTAWA-CARLETON<br><b>Municipality:</b> OTTAWA CITY<br><b>Site Info:</b><br><b>Lot:</b><br><b>Concession:</b><br><b>Concession Name:</b><br><b>Easting NAD83:</b><br><b>Northing NAD83:</b><br><b>Zone:</b><br><b>UTM Reliability:</b> |    |

**Bore Hole Information**

|  |   |
|--|---|
| <b>Bore Hole ID:</b> 1007114129<br><b>DP2BR:</b><br><b>Spatial Status:</b><br><b>Code OB:</b><br><b>Code OB Desc:</b><br><b>Open Hole:</b><br><b>Cluster Kind:</b><br><b>Date Completed:</b> 3/8/2018<br><b>Remarks:</b><br><b>Elevrc Desc:</b><br><b>Location Source Date:</b><br><b>Improvement Location Source:</b><br><b>Improvement Location Method:</b><br><b>Source Revision Comment:</b><br><b>Supplier Comment:</b> | <b>Elevation:</b><br><b>Elevrc:</b><br><b>Zone:</b> 18<br><b>East83:</b> 446675<br><b>North83:</b> 5029189<br><b>Org CS:</b> UTM83<br><b>UTMRC:</b> 4<br><b>UTMRC Desc:</b> margin of error : 30 m - 100 m<br><b>Location Method:</b> wwr |
|--|---|

|   |        |           |              |   |    |
|---|--------|-----------|--------------|---|----|
| <a href="#">80</a>  | 1 of 1 | ESE/248.4 | 68.8 / -2.17 | <b>THE OTTAWA BOARD OF EDUCATION-<br/> PT.LTS.5-8<br/> EVELYN AVE./MAIN ST.<br/> OTTAWA CITY ON</b> | CA |
| <b>Certificate #:</b> 7-1299-91-<br><b>Application Year:</b> 91<br><b>Issue Date:</b> 10/25/1991<br><b>Approval Type:</b> Municipal water<br><b>Status:</b> Approved<br><b>Application Type:</b><br><b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b> |        |           |              |   |    |

|   |        |          |              |    |      |
|---|--------|----------|--------------|----|------|
| <a href="#">81</a>  | 1 of 1 | NE/248.5 | 69.9 / -1.05 | ON | BORE |
| <b>Borehole ID:</b> 613252<br><b>OGF ID:</b> 215514554<br><b>Status:</b><br><b>Type:</b> Borehole<br><b>Use:</b><br><b>Completion Date:</b> JAN-1969<br><b>Static Water Level:</b> 0.6<br><b>Primary Water Use:</b><br><b>Sec. Water Use:</b><br><b>Total Depth m:</b> -999 |        |          |              |    |      |
| <b>Inclin FLG:</b> No<br><b>SP Status:</b> Initial Entry<br><b>Surv Elev:</b> No<br><b>Piezometer:</b> No<br><b>Primary Name:</b><br><b>Municipality:</b><br><b>Lot:</b><br><b>Township:</b><br><b>Latitude DD:</b> 45.413954<br><b>Longitude DD:</b> -75.680284            |        |          |              |    |      |

| Map Key                                | Number of Records | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site                | DB             |
|--|-------------------|---|------------------|---------------------|----------------|
| Depth Ref:                             |                   | Ground Surface  |                  | UTM Zone:           | 18             |
| Depth Elev:                            |                   |   |                  | Easting:            | 446771         |
| Drill Method:                          |                   |   |                  | Northing:           | 5029162        |
| Orig Ground Elev m:                    | 67.8              |   |                  | Location Accuracy:  |                |
| Elev Reliabil Note:                    |                   |   |                  | Accuracy:           | Not Applicable |
| DEM Ground Elev m:                     | 68                |   |                  |                     |                |
| Concession:                            |                   |   |                  |                     |                |
| Location D:                            |                   |   |                  |                     |                |
| Survey D:                              |                   |   |                  |                     |                |
| Comments:                              |                   |   |                  |                     |                |
| <b><u>Borehole Geology Stratum</u></b> |                   |   |                  |                     |                |
| Geology Stratum ID:                    | 218394347         |   |                  | Mat Consistency:    |                |
| Top Depth:                             | 0                 |   |                  | Material Moisture:  |                |
| Bottom Depth:                          | .6                |   |                  | Material Texture:   |                |
| Material Color:                        |                   |   |                  | Non Geo Mat Type:   |                |
| Material 1:                            | Till              |   |                  | Geologic Formation: |                |
| Material 2:                            |                   |   |                  | Geologic Group:     |                |
| Material 3:                            |                   |   |                  | Geologic Period:    |                |
| Material 4:                            |                   |   |                  | Depositional Gen:   |                |
| Gsc Material Description:              |                   |   |                  |                     |                |
| Stratum Description:                   |                   | TILL.   |                  |                     |                |
| Geology Stratum ID:                    | 218394350         |   |                  | Mat Consistency:    |                |
| Top Depth:                             | 9.3               |   |                  | Material Moisture:  |                |
| Bottom Depth:                          | 14.5              |   |                  | Material Texture:   |                |
| Material Color:                        |                   |   |                  | Non Geo Mat Type:   |                |
| Material 1:                            | Clay              |   |                  | Geologic Formation: |                |
| Material 2:                            | Silt              |   |                  | Geologic Group:     |                |
| Material 3:                            | Sand              |   |                  | Geologic Period:    |                |
| Material 4:                            |                   |   |                  | Depositional Gen:   |                |
| Gsc Material Description:              |                   |   |                  |                     |                |
| Stratum Description:                   |                   | CLAY.   |                  |                     |                |
| Geology Stratum ID:                    | 218394349         |   |                  | Mat Consistency:    | Soft           |
| Top Depth:                             | 2                 |   |                  | Material Moisture:  |                |
| Bottom Depth:                          | 9.3               |   |                  | Material Texture:   |                |
| Material Color:                        | Grey              |   |                  | Non Geo Mat Type:   |                |
| Material 1:                            | Clay              |   |                  | Geologic Formation: |                |
| Material 2:                            | Silt              |   |                  | Geologic Group:     |                |
| Material 3:                            |                   |   |                  | Geologic Period:    |                |
| Material 4:                            |                   |   |                  | Depositional Gen:   |                |
| Gsc Material Description:              |                   |   |                  |                     |                |
| Stratum Description:                   |                   | CLAY. GREY,SOFT, WATER STABLE AT 220.4 FEET.  |                  |                     |                |
| Geology Stratum ID:                    | 218394351         |   |                  | Mat Consistency:    | Dense          |
| Top Depth:                             | 14.5              |   |                  | Material Moisture:  |                |
| Bottom Depth:                          |                   |   |                  | Material Texture:   |                |
| Material Color:                        | Grey              |   |                  | Non Geo Mat Type:   |                |
| Material 1:                            | Clay              |   |                  | Geologic Formation: |                |
| Material 2:                            | Silt              |   |                  | Geologic Group:     |                |
| Material 3:                            | Sand              |   |                  | Geologic Period:    |                |
| Material 4:                            |                   |   |                  | Depositional Gen:   |                |
| Gsc Material Description:              |                   |   |                  |                     |                |
| Stratum Description:                   |                   | CLAY. CLAY. GREY. SILT. DENSE. TILL. VERY DENSE. BEDROCK. 00010 038 00025 022 **Note: Many records provided by the department have a truncated [Stratum Description] field. |                  |                     |                |
| Geology Stratum ID:                    | 218394348         |   |                  | Mat Consistency:    |                |
| Top Depth:                             | .6                |   |                  | Material Moisture:  |                |
| Bottom Depth:                          | 2                 |   |                  | Material Texture:   |                |
| Material Color:                        |                   |   |                  | Non Geo Mat Type:   |                |
| Material 1:                            | Sand              |   |                  | Geologic Formation: |                |
| Material 2:                            |                   |   |                  | Geologic Group:     |                |
| Material 3:                            |                   |   |                  | Geologic Period:    |                |

| <i>Map Key</i> | <i>Number of Records</i> | <i>Direction/ Distance (m)</i> | <i>Elev/Diff (m)</i> | <i>Site</i> | <i>DB</i> |
|----------------|--------------------------|--------------------------------|----------------------|-------------|-----------|
|----------------|--------------------------|--------------------------------|----------------------|-------------|-----------|

**Material 4:**  
**Gsc Material Description:**  
**Stratum Description:** SAND. **Depositional Gen:**

**Source**

|                        |  |                      |                        |
|------------------------|--|----------------------|------------------------|
| <b>Source Type:</b>    | Data Survey  | <b>Source Appl:</b>  | Spatial/Tabular        |
| <b>Source Orig:</b>    | Geological Survey of Canada  | <b>Source Iden:</b>  | 1                      |
| <b>Source Date:</b>    | 1956-1972  | <b>Scale or Res:</b> | Varies                 |
| <b>Confidence:</b>     | H  | <b>Horizontal:</b>   | NAD27                  |
| <b>Observatio:</b>     |  | <b>Verticalda:</b>   | Mean Average Sea Level |
| <b>Source Name:</b>    | Urban Geology Automated Information System (UGAIS)                                 |                      |                        |
| <b>Source Details:</b> | File: OTTAWA2.txt RecordID: 057600 NTS_Sheet: 31G05G                               |                      |                        |
| <b>Confiden 1:</b>     | Logged by professional. Exact and complete description of material and properties. |                      |                        |

**Source List**

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

# Unplottable Summary

Total: **169** Unplottable sites

| DB  | Company Name/Site Name                  | Address  | City               | Postal |
|-----|---|--|--------------------|--------|
| AGR | R.W. Tomlinson Limited                  | Lot Part 12, Con V (5)                                       | NEPEAN ON          |        |
| AGR | R.W. Tomlinson Limited                  | Lot Pt 12 & 13, Con V RF                                     | NEPEAN ON          |        |
| AGR | LAFARGE CANADA INC.                     | Lot Pt W 1/2 28, Con VI                                      | GLOUCESTER ON      |        |
| CA  | City of Ottawa                          | Patterson Ave, Strathcona Ave and Metcalfe St                | Ottawa ON          |        |
| CA  | REG.MUN.OF OTTAWA-CARLETON              | QUEENSWAY N.   | OTTAWA ON          |        |
| CA  | FALCONCREST HOMES INC.                  | EVELYN AVE.  | OTTAWA ON          |        |
| CA  | HIGHCRAFT BUILDERS LTD.                 | ENTRANCE RD. HAWTHORNE RD.                                   | OTTAWA CITY ON     |        |
| CA  | MINTO CONSTRUCTION LTD.                 | WOODRIDGE CRT.GRAHAM CREEK APT                               | NEPEAN CITY ON     |        |
| CA  | R.M. OF OTTAWA-CARLETON                 | QUEEN ELIZABETH DR./PRETORIA                                 | OTTAWA CITY ON     |        |
| CA  | City of Ottawa                          | Bank St Bank Street from Somerset Street to Catherine Street | Ottawa ON          |        |
| CA  | City of Ottawa                          | Nixon Dr Main Street to Duffy Street                         | Ottawa ON          |        |
| CA  | City of Ottawa                          | Clegg Street ( 340 metres east of Main Street)               | Ottawa ON          |        |
| CA  | OTTAWA CITY - NON-PROFIT HOUSING CORP.  | WIGGIN'S PRIV/STRATHCONA HGHTS                               | OTTAWA CITY ON     |        |
| CA  | R.M. OF OTTAWA-CARLETON                 | QUEENSWAY CROSSING   | GLOUCESTER CITY ON |        |
| CA  | R.M. OF OTTAWA-CARLETON                 | LEES AVE.  | OTTAWA CITY ON     |        |
| CA  | CITY OF OTTAWA NON-PROFIT HSG. CORP.    | WIGGINS PVT/STRATHCONA HEIGHTS                               | OTTAWA CITY ON     |        |
| CA  | CITY OF OTTAWA NON-PROFIT HOUSING CORP. | STRATHCONA HEIGHTS   | OTTAWA CITY ON     |        |
| CA  | Nepean Street                           | Kent to Bank and Metcalfe to Elgin                           | Ottawa ON          |        |

|     |   |   |                    |
|-----|---|---|--------------------|
| CA  | City of Ottawa                          | Patterson Ave., Strathcona Ave., Allan Place, Cobalt Ave.   | Ottawa ON          |
| CA  | R.M. OF OTTAWA-CARLETON                 | GRAHAM CRK.TRUNK/ACRES RD.  | NEPEAN CITY ON     |
| CA  |   | Argyle Avenue   | Ottawa ON          |
| CA  |   | Hawthorne Avenue  | Ottawa ON          |
| CA  | SAKTO DEVELOPMENTS                      | PRESTON ST. QUEENSWAY CENTRE  | OTTAWA CITY ON     |
| CA  | OTTAWA CITY                             | QUEEN ELIZABETH DRIVEWAY  | OTTAWA CITY ON     |
| CA  | R.M. OF OTTAWA-CARLETON                 | ECHO DR./GRAHAM AVE./BANK ST.   | OTTAWA CITY ON     |
| CA  | Nepean Street                           | Kent to Bank and Metcalfe to Elgin  | Ottawa ON          |
| CA  |   | Hawthorne Avenue  | Ottawa ON          |
| CA  | SPENCER & ASSOC.CONSLTG.ENG.LTD.        | LEES AVE.   | OTTAWA ON          |
| CA  | City of Ottawa                          | Hunt Club Road from the intersection of Hawthorne Road east approx. 1030m   | Ottawa ON          |
| CA  | City of Ottawa                          | Bank Street - Isabella Street to Wilton Crescent  | Ottawa ON          |
| CA  | OTTAWA CITY - NON PROFIT HOUSING CORP.  | WIGGIN'S PRIV./STRATHCONA HGHT  | OTTAWA CITY ON     |
| CA  | CITY OF OTTAWA NON-PROFIT HOUSING CORP. | STRATHCONA HEIGHTS  | OTTAWA CITY ON     |
| CA  | COMMERCE CITY INVESTMENTS LTD. IMBROOK  | QUEENSWAY COMMERCIAL CENTRE   | GLOUCESTER CITY ON |
| CA  | OTTAWA CITY                             | HAWTHORNE RD.,LOT 1, CONC. 5  | OTTAWA CITY ON     |
| CA  |   | Argyle Avenue   | Ottawa ON          |
| CA  |   | Lees Avenue   | Ottawa ON          |
| CA  | CARA OPERATIONS LIMITED                 | MONTREAL RD. (HARVEY'S)   | GLOUCESTER CITY ON |
| CA  | OTTAWA CITY                             | WALKLEY RD., HAWTHORNE BUS.PK.  | OTTAWA CITY ON     |
| CA  | COMMERCE CITY INVESTMENT LTD. IMBROOK   | QUEENSWAY COMMERCIAL CENTRE   | GLOUCESTER CITY ON |
| EBR | Lafarge Canada Inc                      | Hawthorne Road Ottawa Ontario Hawthorne Quarry Lot 28, Concession VI, City of Ottawa (geographic City of Gloucester) CITY OF OTTAWA | ON                 |

|     |   |  |               |         |
|-----|---|--|---------------|---------|
| ECA | City of Ottawa                                | Waverly St., Elgin St., Gilmour St., And Cartier St.                 | Ottawa ON     | K1P 1J1 |
| ECA | City of Ottawa                                | Rideau River Western Pathway at University of Ottawa 200 Lees Avenue | Ottawa ON     | K2G 6J8 |
| ECA | City of Ottawa                                | Patterson Ave Strathcona Ave and Metcalfe St                         | Ottawa ON     | K1P 1J1 |
| ECA | The Regional Municipality of Ottawa-Carleton  | Argyle Avenue, Park Avenue and Queen Elizabeth Drive                 | Ottawa ON     | K2P 2L7 |
| ECA | City of Ottawa                                | Argyle Avenue, Park Avenue and Queen Elizabeth Drive Ave             | Ottawa ON     | K2G 6J8 |
| ECA | City of Ottawa                                | Metcalfe St Patterson Avenue, and Strathcona Avenue                  | Ottawa ON     | K1P 1J1 |
| ECA | City of Ottawa                                | Patterson Ave., Strathcona Ave., Allan Place, Cobalt Ave.            | Ottawa ON     | K1P 1J1 |
| ECA | City of Ottawa                                | Elgin St   | Ottawa ON     | K2G 6J8 |
| ECA | The Corporation of the City of Ottawa         | Argyle Avenue, Park Avenue and Queen Elizabeth Drive                 | Ottawa ON     | K1N 5A1 |
| ECA | City of Ottawa                                | Kent to Bank and Metcalfe to Elgin                                   | Ottawa ON     | K1P 1J1 |
| ECA | The Corporation of the Town of Iroquois Falls | Argyle Ave   | Ottawa ON     | P0K 1G0 |
| ECA | City of Ottawa                                | Kent to Bank and Metcalfe to Elgin                                   | Ottawa ON     | K1P 1J1 |
| ECA | City of Ottawa                                | Main St  | Ottawa ON     | K2G 6J8 |
| ECA | City of Ottawa                                | Patterson Ave., Strathcona Ave., Allan Place, Cobalt Ave.            | Ottawa ON     | K1P 1J1 |
| ECA | The Corporation of the Town of Iroquois Falls | Argyle Ave   | Ottawa ON     | P0K 1G0 |
| EHS |   | 1550 Colonel By Dr & 492 Queen Elizabeth DRWY                        | Ottawa ON     |         |
| GEN | LAFARGE CANADA INC.                           | HAWTHORNE QUARRY LOT 28, CONCESSION 6                                | GLOUCESTER ON |         |
| GEN | OTTAWA-CARLTON, REGIONAL MUN. OF 29-120       | LEES AVENUE TRANSIT STATION C/O 222 QUEEN STREET                     | OTTAWA ON     | K1P 5Z3 |
| GEN | LAFARGE CONSTRUCTION MATERIALS 30-422         | HAWTHORNE QUARRY LOT 28 CONCESSION 6                                 | GLOUCESTER ON |         |
| GEN | LAFARGE CANADA INC.                           | HAWTHORNE QUARRY LOT 28, CONCESSION 6                                | GLOUCESTER ON | K4B 1J5 |
| GEN | RW Tomlinson                                  | Lees Avenue Transit Station  | Ottawa ON     |         |
| GEN | CITY OF OTTAWA                                | LEES AVENUE TRANSIT STATION  | OTTAWA ON     | K1V 1A6 |

|     |   |  |                   |         |
|-----|---|--|-------------------|---------|
| GEN | LAFARGE CANADA INC.                       | HAWTHORNE QUARRY LOT 28, CONCESSION 6  | GLOUCESTER ON     | K4B 1J5 |
| GEN | GVT. OF CAN-STATISTICS CANADA             | 1405 Main Statistics Canada Building TUNNEY'S PASTURE                          | OTTAWA ON         | K1A 0T6 |
| GEN | GVT. OF CAN-STATISTICS CANADA             | 1405 Main Statistics Canada Building TUNNEY'S PASTURE                          | OTTAWA ON         | K1A 0T6 |
| GEN | City Of Ottawa Public Works               | Hawthron & Elgin   | City of Ottawa ON | K1S 1N1 |
| GEN | CITY OF OTTAWA Wastewater Services Branch | LEES AVENUE TRANSIT STATION  | OTTAWA ON         | K1V 1A6 |
| 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 |
| GEN | LAFARGE CANADA INC.                       | HAWTHORNE QUARRY LOT 28, CONCESSION 6  | GLOUCESTER ON     | K4B 1J5 |
| GEN | LAFARGE CANADA INC.                       | HAWTHORNE QUARRY LOT 28, CONCESSION 6  | GLOUCESTER ON     | K4B 1J5 |
| GEN | LAFARGE CANADA INC.                       | HAWTHORNE QUARRY LOT 28, CONCESSION 6  | GLOUCESTER ON     | K4B 1J5 |
| GEN | CITY OF OTTAWA                            | LEES AVENUE TRANSIT STATION  | OTTAWA ON         | K1V 1A6 |
| GEN | CITY OF OTTAWA                            | LEES AVENUE TRANSIT STATION  | OTTAWA ON         | K1V 1A6 |
| GEN | OTTAWA-CARLTON, REGIONAL MUNICIPALITY OF  | (STORM WATER PUMPING STATION, LEES AVE) C/O 222 QUEEN STREET                   | OTTAWA ON         | K1P 5Z3 |
| GEN | GVT OF CAN-HEALTH&WELFARE CAN.MED.16-313  | SER.BR,UNIT44,6THFL.E,165HOTEL-DE-VILLE PLACEDUPORTAGE,PHASE11 C/O301 ELGIN ST | OTTAWA ON         | K1A 0L3 |
| GEN | LAFARGE CANADA INC.                       | HAWTHORNE QUARRY LOT 28, CONCESSION 6  | GLOUCESTER ON     | K4B 1J5 |
| GEN | CITY OF OTTAWA Wastewater Services Branch | LEES AVENUE TRANSIT STATION  | OTTAWA ON         | K1V 1A6 |
| GEN | City Of Ottawa                            | Hawthron & Elgin   | City of Ottawa ON | K1S 1N1 |
| GEN | City of Ottawa                            | Rideau Valley Dr. right of way Manotick Main St.                               | Ottawa ON         |         |
| GEN | City Of Ottawa                            | Hawthron & Elgin   | City of Ottawa ON | K1S 1N1 |
| GEN | GVT OF CAN-HEALTH&WELFARE CAN.MED.16-302  | SER.BR,UNIT#24,RM C-225,S/R CHARLES TUPPER BLDG,CONFEDHGTSC/O 301 ELGIN ST     | OTTAWA ON         | K1A 0L3 |
| GEN | GVT. OF CAN-STATISTICS CANADA             | 1405 Main Statistics Canada Building TUNNEY'S PASTURE                          | OTTAWA ON         | K1A 0T6 |
| GEN | CITY OF OTTAWA                            | LEES AVENUE TRANSIT STATION  | OTTAWA ON         | K1V 1A6 |

|     |  |  |                   |         |
|-----|--|--|-------------------|---------|
| GEN | CITY OF OTTAWA                           | LEES AVENUE TRANSIT STATION  | OTTAWA ON         | K1V 1A6 |
| GEN | LAFARGE CANADA INC.                      | HAWTHORNE QUARRY LOT 28, CONCESSION 6  | GLOUCESTER ON     | K4B 1J5 |
| GEN | LAFARGE CONSTRUCTION MATERIALS           | HAWTHORNE QUARRY LOT 28, CONCESSION 6  | GLOUCESTER ON     |         |
| GEN | NCC Care of Golder                       | Elgin and Queen Elizabeth  | Ottawa ON         |         |
| GEN | CITY OF OTTAWA                           | LEES AVENUE TRANSIT STATION  | OTTAWA ON         |         |
| GEN | City of Ottawa                           | Rideau Valley Dr. right of way Manotick Main St.                             | Ottawa ON         |         |
| GEN | OTTAWA-CARLTON, REGIONAL MUN. OF         | LEES AVENUE TRANSIT STATION C/O 222 QUEEN STREET                             | OTTAWA ON         | K1P 5Z3 |
| GEN | PERMANENT CONCRETE                       | HAWTHORNE QUARRY LOT 28 CONCESSION 6   | GLOUCESTER ON     |         |
| GEN | Golder Associates Ltd                    | 305 Queen Elizabeth Drive  | Ottawa ON         | K1S 3N1 |
| GEN | City Of Ottawa Public Works              | Hawthron & Elgin   | City of Ottawa ON | K1S 1N1 |
| GEN | CITY OF OTTAWA                           | LEES AVENUE TRANSIT STATION  | OTTAWA ON         | K1V 1A6 |
| GEN | GVT OF CAN-HEALTH&WELFARE CAN.MED.16-315 | SER.BR,#47,2ND FL.,140 PROMENADE DU PORTAGE,PLACEDUPORT IVC/0301 ELGIN ST.   | OTTAWA ON         | K1A 0L3 |
| GEN | Sports Medicine Clinic                   | Carleton University Ice House, 1125 Colonel By Dr                            | Ottawa ON         | K1S5B6  |
| GEN | GVT OF CAN-HEALTH&WELFARE CAN.MED.16-307 | SER.BR,UNIT#34,RM201,SIR FREDERICK BANTING BLDG,TUNNEY'SC/O 301 ELGIN ST.    | OTTAWA ON         | K1A 0L3 |
| GEN | GVT OF CAN-HEALTH&WELFARE CAN.MED.16-300 | SER.BR,HEALTH UNIT#19, BLDG #4,RM 100 SHIRLEY'S BAY (CRC), C/O 301 ELGIN ST. | OTTAWA ON         | K1A 0L3 |
| GEN | CONSUMERS GAS COMPANY LTD.               | LOT 6, CONC. 6 RF (OTTAWA GATE STN) HAWTHORNE ROAD S. OF HUNT CLUB ROAD      | GLOUCESTER ON     |         |
| GEN | GVT. OF CAN-STATISTICS CANADA            | 1405 Main Statistics Canada Building TUNNEY'S PASTURE                        | OTTAWA ON         | K1A 0T6 |
| GEN | CITY OF OTTAWA                           | LEES AVENUE TRANSIT STATION  | OTTAWA ON         |         |
| GEN | LAFARGE CANADA INC.                      | HAWTHORNE QUARRY LOT 28, CONCESSION 6  | GLOUCESTER ON     |         |
| GEN | OTTAWA-CARLTON, REGIONAL MUNICIPALITY OF | LEES AVENUE TRANSIT STATION  | OTTAWA ON         |         |
| GEN | OTTAWA-CARLTON, REGIONAL MUNICIPAL       | (STORM WATER PUMPING STATION, LEES AVE) C/O 222 QUEEN STREET                 | OTTAWA ON         | K1P 5Z3 |



|      |   |  |                   |         |
|------|---|--|-------------------|---------|
| GEN  | City Of Ottawa                                  | Hawthron & Elgin   | City of Ottawa ON | K1S 1N1 |
| GEN  | CITY OF OTTAWA                                  | LEES AVENUE TRANSIT STATION  | OTTAWA ON         | K1V 1A6 |
| GEN  | GVT OF CAN-<br>HEALTH&WELFARE<br>CAN.MED.16-311 | SER.BR,UNIT#41, RMC-3115,45 SACRE-<br>COEUR BLVD,CAN GVT.PRINT BUR,C/O301<br>ELGIN ST        | OTTAWA ON         | K1A 0L3 |
| GEN  | CLEAN WATER WORKS                               | LEES AVE @ OC TRANSPO TRANSIT WAY  | OTTAWA ON         |         |
| GEN  | GVT OF CAN-<br>HEALTH&WELFARE<br>CAN.MED.16-299 | SER.BR,HEALTH UNIT#15,RM116,555 BOUL.<br>DE LA CARRIERE (DND),C/O 301 ELGIN ST.              | OTTAWA ON         | K1A 0L3 |
| GEN  | CLEAN WATER WORKS                               | LEES AVE @ OC TRANSPO TRANSIT WAY  | OTTAWA ON         |         |
| GEN  | LAFARGE CANADA INC.                             | HAWTHORNE QUARRY LOT 28, CONCESSION<br>6   | GLOUCESTER ON     | K4B 1J5 |
| GEN  | LAFARGE CANADA INC.                             | HAWTHORNE QUARRY LOT 28, CONCESSION<br>6   | GLOUCESTER ON     | K4B 1J5 |
| NDFT |   | MAIN STREET  | ON                |         |
| NDFT |   | COLONEL DR BY OTTAWA   | ON                |         |
| NPCB | PUBLIC WORKS CANADA                             | LORNE BUILDING; ELGIN STREET   | OTTAWA ON         |         |
| NPCB | PUBLIC WORKS CANADA                             | PHASE 1V - LEVEL 2; 140 PROMENADE DU<br>PORTAGE DND HEADQUARTERS; 101<br>COLONEL BY DRIVE    | OTTAWA ON         | K1A 0M3 |
| NPCB | PUBLIC WORKS CANADA                             | PHASE IV - LEVEL 2; 140 PROMENADE DU<br>PORTAGE LORNE BUILDING; ELGIN STREET                 | OTTAWA ON         | K1A 0M3 |
| NPCB | PUBLIC WORKS CANADA                             | LORNE BUILDING ELGIN STREET  | OTTAWA ON         |         |
| PINC |   | COLONEL BY DRIVE, OTTAWA   | ON                |         |
| PINC |   | GODSTONE AND ELGIN STREET, OTTAWA  | ON                |         |
| PTTW | Lafarge Canada Inc.                             | Lafarge Canada Inc. - Hawthorne Quarry Lot 28,<br>Concession 6 City of Ottawa CITY OF OTTAWA | ON                |         |
| RST  | UPI INC   | 140 RUE STE-CATHERINE  | OTTAWA ON         | K0C 2B0 |
| SPL  |   | West side of the Ashton Stn Rd at Graham Rd.<br>BFI TRUCK ACCIDENT<UNOFFICIAL>               | Ottawa ON         |         |
| SPL  | Canadian Waste Services Inc.                    | MAIN STREET AND<br>WINTERGREEN<UNOFFICIAL>   | Ottawa ON         |         |
| SPL  | UNKNOWN   | BLAIR STATION AND QUEENSWAY  | OTTAWA CITY ON    |         |
| SPL  | CARLTON UNIVERSITY                              | RIDEAU RIVER, @ CARLTON UNIVERSITY   | OTTAWA CITY ON    |         |

## COLONEL BYE DRIVE OTTAWA

|     |  |  |                         |
|-----|--|--|-------------------------|
| SPL | TANK TRUCK   | QUEENSWAY (EASTBOUND) BETWEEN EAGLESON AND MOODY TANK TRUCK (CARGO)                  | NEPEAN CITY ON          |
| SPL | Enbridge Gas Distribution Inc.                                 | Main St  | Ottawa ON               |
| SPL |  | Colonel By Dr  | Ottawa ON               |
| SPL |  | HAWTHORNE RD, JUST SOUTH OF LEITRIM RD.<UNOFFICIAL>                                  | Ottawa ON               |
| SPL | UNKNOWN  | INTERSECTION OF MAIN ST. AND POOL CREEK  | OTTAWA CITY ON          |
| SPL | BRUCE FUELS  | INTERSECTION OF HAWTHORNE AND BLAIS ROAD, GLOUCESTER (OTTAWA) 35 JAMIE AVE NEPEAN ON | OTTAWA CITY ON          |
| SPL | POWELL FUELS   | RIDEAU VALLEY MIDDLE SCHOOL, MAIN ST., KARS TANK TRUCK (CARGO)                       | OTTAWA-CARLETON R.M. ON |
| SPL | SNC-Lavalin Constructors (Pacific) Inc., Dragados Canada, Inc. | South of Hwy 417 between Hurman Bridge and Lees Ave                                  | Ottawa ON               |
| SPL | City of Ottawa   | Hawthorne Huntclub Loop  | Ottawa ON               |
| SPL | Bell Canada  | on Bank St, 10 ft N of Catherine St BELL MANHOLE<UNOFFICIAL>                         | Ottawa ON               |
| SPL | SUNTRACT RENTALS   | STRATHCONA PARK/RANGE RD. OTTAWA SITE 1508 MICHAEL STREET                            | OTTAWA CITY ON          |
| SPL | City of Ottawa   | Bronson St E, north of Catherine St  | Ottawa ON               |
| SPL |  | Hunt Club Drive West near Hawthorne  | Ottawa ON               |
| SPL | TRANSPORT TRUCK  | QUEENSWAY MOTOR VEHICLE (OPERATING FLUID)  | OTTAWA CITY ON          |
| SPL | Enbridge Gas Distribution Inc.                                 | Colonel By Drive building 10, Carleton University                                    | Ottawa ON               |
| SPL |  | QUEENSWAY EASTBOUND AT METCALFE \  | OTTAWA CITY ON          |
| SPL | OTTAWA STRUCTURAL CONCRETE SER                                 | GRAHAM CREEK AT QUEENSWAY FROM BAYSHORE SHOPP'G CTRE.                                | NEPEAN CITY ON          |
| SPL |  | Colonel By Drive   | Ottawa ON               |
| SPL | STINSON FUELS  | HAWTHORNE AVE AT SUMMIT FOOD SERVICES. TANK TRUCK (CARGO)                            | GLOUCESTER CITY ON      |
| SPL |  | Pretoria Bridge in Ottawa<UNOFFICIAL>  | Ottawa ON               |

|     |  |  |                    |         |
|-----|--|--|--------------------|---------|
| SPL |  | Graham Creek outfall near Carling Av.<UNOFFICIAL>  | Ottawa ON          |         |
| SPL | City of Ottawa   | Bike path north of Hurdman/Queensway Bridge  | Ottawa ON          |         |
| SPL |  | Hawthorne Rd btw Stevenage Dr and Ages Dr  | Ottawa ON          |         |
| SPL |  | corner of Godstone and Elgin Street  | Ottawa ON          |         |
| SPL |  | Footpath at Lees Avenue - at the foot of the bridge the sanitary sewer on the east side of the river<UNOFFICIAL> | Ottawa ON          |         |
| SPL | Section 21(1)(f)                                       | 5417 Main St   | Ottawa ON          | KOA 2W0 |
| SPL |  | Colonel By Street and Rideau Canal   | Ottawa ON          |         |
| SPL | Ultramar Ltd.; Challenger Trucking Company<UNOFFICIAL> | 349 Hawthorne St (Hawthorne and Stevenage)   | Ottawa ON          |         |
| SPL | OTTAWA-CARLETON TRANSIT                                | MOODIE BETWEEN QUEENSWAY AND CARLING AVE, CARLING E AND W TO CORKSTOWN ROAD                                      | OTTAWA CITY ON     |         |
| SPL | TRANSPORT TRUCK  | MAIN ST/WINTERGREEN, CARP RD CROSSING HWY # 417 TO CARP RD L.S. STITTVILLE. MOTOR VEHICLE (OPERATING FLUID)      | OTTAWA ON          |         |
| SPL | Hughson Barriers Inc.                                  | Hurdman Road and Lees Road; Highway 417 at Rideau River  | Ottawa; Ottawa ON  |         |
| SPL | Ottawa LRT <UNOFFICIAL>                                | Hwy 417 near Lees Avenue   | Ottawa ON          |         |
| SPL |  | Carp Road (between Hazeldean and Stittville Main), Stittville  | Ottawa ON          |         |
| SPL | UNKNOWN  | HAWTHORNE RD   | OTTAWA CITY ON     |         |
| SPL | UNKNOWN  | OUTFLOW AT 31 ABBINGTON CRES, FLOWING INTO GRAHAM CREEK  | NEPEAN CITY ON     |         |
| SPL |  | central transit way adjacent to hwy 417 between nicholas ave and lees ave  | Ottawa ON          |         |
| SPL | Loblaws Company East<UNOFFICIAL>                       | Queensway, from Greenbank Exit to 1735 Iris Road (Pine Crest Shopping Centre - in front of IKEA)<UNOFFICIAL>     | Ottawa ON          |         |
| SPL | STINSON FUELS  | MAIN STREET TANK TRUCK (CARGO)   | GLOUCESTER CITY ON |         |
| SPL | TRANSPORT TRUCK  | EAST SIDE OF QUEENSWAY (HIGHWAY 417) BETWEEN MOODIE & EAGLESON ROADS. TRANSPORT TRUCK (CARGO)                    | NEPEAN CITY ON     |         |
| SPL |  | Hawthorne Loop, Hawthorne Road and Hunt Club Road  | Ottawa ON          |         |

|      |                       |  |                |
|------|-----------------------|--|----------------|
| SPL  | OTTAWA POLICE SERVICE | CORNER OF CATHERINE AND ARGLE ST<br>EAST SIDE BY VISITORS PARKING STORAGE<br>TANK 474 ELGIN STREET | OTTAWA CITY ON |
| WWIS |                       | lot 28 con 1   | OSGOODE ON     |
| WWIS |                       |  | Ottawa ON      |

# Unplottable Report

**Site:** R.W. Tomlinson Limited  
Lot Part 12, Con V (5) NEPEAN ON

**Database:**  
AGR

**ID:** 28656

**Location Name:** Harvey Pit #2

**Current Status:**

**Licenced Area (ha):** 13.5

**Status Date:**

**Extraction Area:**

**Effective Date:**

**Authority Type:**

**Approval Type:** Class A Licence

**Section:**

**Operation Type:** Pit

**Municipality:** OTTAWA

**Max Annual Tonnage:** (unlimited)

**County:** OTTAWA-CARLETON R

**Unlimited Tonnage:**

**District:**

**Site:** R.W. Tomlinson Limited  
Lot Pt 12 & 13, Con V RF NEPEAN ON

**Database:**  
AGR

**ID:** 4046

**Location Name:** Harvey Pit

**Current Status:**

**Licenced Area (ha):** 53.1

**Status Date:**

**Extraction Area:**

**Effective Date:**

**Authority Type:**

**Approval Type:** Class A Licence

**Section:**

**Operation Type:** Pit

**Municipality:** OTTAWA

**Max Annual Tonnage:** 750000

**County:** OTTAWA-CARLETON R

**Unlimited Tonnage:**

**District:**

**Site:** LAFARGE CANADA INC.  
Lot Pt W 1/2 28, Con VI GLOUCESTER ON

**Database:**  
AGR

**ID:** 4179

**Location Name:** Hawthorne Quarry

**Current Status:**

**Licenced Area (ha):** 40.5

**Status Date:**

**Extraction Area:**

**Effective Date:**

**Authority Type:**

**Approval Type:** Class A Licence

**Section:**

**Operation Type:** Quarry

**Municipality:** OTTAWA

**Max Annual Tonnage:** 500000

**County:** OTTAWA-CARLETON R

**Unlimited Tonnage:**

**District:**

**Site:** City of Ottawa  
Patterson Ave, Strathcona Ave and Metcalfe St Ottawa ON

**Database:**  
CA

**Certificate #:** 4527-5YXRQP

**Application Year:** 2004

**Issue Date:** 6/15/2004

**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:** REG.MUN.OF OTTAWA-CARLETON

**Database:**  
CA

**QUEENSWAY N. OTTAWA ON**

**Certificate #:** 3-0468-85-006  
**Application Year:** 85  
**Issue Date:** 6/4/85  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **FALCONCREST HOMES INC.**  
**EVELYN AVE. OTTAWA ON**

**Database:**  
**CA**

**Certificate #:** 7-0005-85-006  
**Application Year:** 85  
**Issue Date:** 1/22/85  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** **HIGHCRAFT BUILDERS LTD.**  
**ENTRANCE RD. HAWTHORNE RD. OTTAWA CITY ON**

**Database:**  
**CA**

**Certificate #:** 7-0164-88-  
**Application Year:** 88  
**Issue Date:** 3/1/1988  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **MINTO CONSTRUCTION LTD.**  
**WOODRIDGE CRT.GRAHAM CREEK APT NEPEAN CITY ON**

**Database:**  
**CA**

**Certificate #:** 7-1264-86-  
**Application Year:** 86  
**Issue Date:** 10/8/1986  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**

**Emission Control:**

---

**Site:** R.M. OF OTTAWA-CARLETON  
QUEEN ELIZABETH DR./PRETORIA OTTAWA CITY ON

**Database:**  
CA

**Certificate #:** 7-0179-99-  
**Application Year:** 99  
**Issue Date:** 4/9/1999  
**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  
Bank St Bank Street from Somerset Street to Catherine Street Ottawa ON

**Database:**  
CA

**Certificate #:** 7054-7L4LKY  
**Application Year:** 2008  
**Issue Date:** 11/28/2008  
**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:** City of Ottawa  
Nixon Dr Main Street to Duffy Street Ottawa ON

**Database:**  
CA

**Certificate #:** 8304-7L9LGG  
**Application Year:** 2008  
**Issue Date:** 11/14/2008  
**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:**

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**Site:** City of Ottawa  
Clegg Street ( 340 metres east of Main Street) Ottawa ON

**Database:**  
CA

**Certificate #:** 7853-5SJFMS  
**Application Year:** 2003  
**Issue Date:** 11/17/2003  
**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:** OTTAWA CITY - NON-PROFIT HOUSING CORP.  
WIGGIN'S PRIV/STRATHCONA HGHTS OTTAWA CITY ON

**Database:**  
CA

**Certificate #:** 7-1002-91-  
**Application Year:** 91  
**Issue Date:** 8/16/1991  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** R.M. OF OTTAWA-CARLETON  
QUEENSWAY CROSSING GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 3-1309-87-  
**Application Year:** 87  
**Issue Date:** 7/29/1987  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** R.M. OF OTTAWA-CARLETON  
LEES AVE. OTTAWA CITY ON

**Database:**  
CA

**Certificate #:** 3-1317-86-  
**Application Year:** 86  
**Issue Date:** 9/23/1986  
**Approval Type:** Municipal sewage  
**Status:** Revised  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** CITY OF OTTAWA NON-PROFIT HSG. CORP.  
WIGGINS PVT/STRATHCONA HEIGHTS OTTAWA CITY ON

**Database:**  
CA

**Certificate #:** 3-1263-91-  
**Application Year:** 91



**Issue Date:** 9/25/1991  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** CITY OF OTTAWA NON-PROFIT HOUSING CORP.  
STRATHCONA HEIGHTS OTTAWA CITY ON

**Database:**  
CA

**Certificate #:** 7-1377-89-  
**Application Year:** 89  
**Issue Date:** 8/15/1989  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** Nepean Street  
Kent to Bank and Metcalfe to Elgin Ottawa ON

**Database:**  
CA

**Certificate #:** 6059-5BPHX4  
**Application Year:** 02  
**Issue Date:** 7/8/02  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** The Corporation of the City of Ottawa  
**Client Address:** 110 Laurier Avenue West  
**Client City:** Ottawa  
**Client Postal Code:** K1P 1J1  
**Project Description:** This application is for the construction of combined storm and sanitary sewers on Nepean Street from Kent Street to Bank Street, and from Metcalfe Street to Elgin Street.  
**Contaminants:**  
**Emission Control:**

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**Site:** City of Ottawa  
Patterson Ave., Strathcona Ave., Allan Place, Cobalt Ave. Ottawa ON

**Database:**  
CA

**Certificate #:** 7318-6B9FA5  
**Application Year:** 2005  
**Issue Date:** 4/20/2005  
**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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**Site:** R.M. OF OTTAWA-CARLETON  
GRAHAM CRK.TRUNK/ACRES RD. NEPEAN CITY ON

**Database:**  
CA

**Certificate #:** 3-1122-99-  
**Application Year:** 99  
**Issue Date:** 10/29/1999  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** Argyle Avenue Ottawa ON

**Database:**  
CA

**Certificate #:** 2785-4LNQUF  
**Application Year:** 00  
**Issue Date:** 7/6/00  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Corporation of the City of Ottawa  
**Client Address:** 111 Sussex Drive, 7th Floor  
**Client City:** Ottawa  
**Client Postal Code:** K1N 5A1  
**Project Description:** Combined Sewers  
**Contaminants:**  
**Emission Control:**

---

**Site:** Hawthorne Avenue Ottawa ON

**Database:**  
CA

**Certificate #:** 7616-4JKHU9  
**Application Year:** 00  
**Issue Date:** 4/28/00  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Corporation of the City of Ottawa  
**Client Address:** 111 Sussex Drive, 7th Floor  
**Client City:** Ottawa  
**Client Postal Code:** K1N 5A1  
**Project Description:** This application is for the installation of storm and sanitary sewers on Hawthorne Avenue, from Main Street to easterly on Concord Street  
**Contaminants:**  
**Emission Control:**

---

**Site:** SAKTO DEVELOPMENTS  
PRESTON ST. QUEENSWAY CENTRE OTTAWA CITY ON

**Database:**  
CA

**Certificate #:** 7-1268-88-  
**Application Year:** 88  
**Issue Date:** 8/16/1988  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**

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

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**Site:** OTTAWA CITY  
QUEEN ELIZABETH DRIVEWAY OTTAWA CITY ON

**Database:**  
CA

**Certificate #:** 3-1225-89-  
**Application Year:** 89  
**Issue Date:** 6/27/1989  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** R.M. OF OTTAWA-CARLETON  
ECHO DR./GRAHAM AVE./BANK ST. OTTAWA CITY ON

**Database:**  
CA

**Certificate #:** 7-0373-95-  
**Application Year:** 95  
**Issue Date:** 5/24/1995  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** Nepean Street  
Kent to Bank and Metcalfe to Elgin Ottawa ON

**Database:**  
CA

**Certificate #:** 9810-5BPJ33  
**Application Year:** 02  
**Issue Date:** 7/8/02  
**Approval Type:** Municipal & Private water  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** The Corporation of the City of Ottawa  
**Client Address:** 110 Laurier Avenue West  
**Client City:** Ottawa  
**Client Postal Code:** K1P 1J1  
**Project Description:** This application is for the construction of watermains on Nepean Street from Kent Street to Bank Street and from Metcalfe Street to Elgin Street.  
**Contaminants:**  
**Emission Control:**

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**Site:** Hawthorne Avenue Ottawa ON

**Database:**  
CA

**Certificate #:** 3628-4JKJGL  
**Application Year:** 00  
**Issue Date:** 4/28/00  
**Approval Type:** Municipal & Private water

**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Corporation of the Regional Municipality of Ottawa-Carleton  
**Client Address:** 111 Lisgar Street  
**Client City:** Ottawa  
**Client Postal Code:** K2P 2L7  
**Project Description:** This application is for the installation of watermains on Hawthorne Avenue, from Main Street to east of Concord Street  
**Contaminants:**  
**Emission Control:**

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**Site:** SPENCER & ASSOC.CONSLTG.ENG.LTD.  
LEES AVE. OTTAWA ON

**Database:**  
CA

**Certificate #:** 3-0807-85-006  
**Application Year:** 85  
**Issue Date:** 7/30/85  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** City of Ottawa  
Hunt Club Road from the intersection of Hawthorne Road east approx. 1030m Ottawa ON

**Database:**  
CA

**Certificate #:** 3285-85MHMC  
**Application Year:** 2010  
**Issue Date:** 5/21/2010  
**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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**Site:** City of Ottawa  
Bank Street - Isabella Street to Wilton Crescent Ottawa ON

**Database:**  
CA

**Certificate #:** 2096-8G2SZN  
**Application Year:** 2011  
**Issue Date:** 5/3/2011  
**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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**Site:** OTTAWA CITY - NON PROFIT HOUSING CORP.

**Database:**  
CA

**WIGGIN'S PRIV./STRATHCONA HGHT OTTAWA CITY ON**

**Certificate #:** 3-1261-91-  
**Application Year:** 91  
**Issue Date:** 8/16/1991  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** CITY OF OTTAWA NON-PROFIT HOUSING CORP.  
STRATHCONA HEIGHTS OTTAWA CITY ON

**Database:**  
CA

**Certificate #:** 3-1663-89-  
**Application Year:** 89  
**Issue Date:** 8/15/1989  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** COMMERCE CITY INVESTMENTS LTD. IMBROOK  
QUEENSWAY COMMERCIAL CENTRE GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 7-1196-89-  
**Application Year:** 89  
**Issue Date:** 7/28/1989  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** OTTAWA CITY  
HAWTHORNE RD., LOT 1, CONC. 5 OTTAWA CITY ON

**Database:**  
CA

**Certificate #:** 3-0678-93-  
**Application Year:** 93  
**Issue Date:** 6/30/1993  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**

**Emission Control:**

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**Site:** Argyle Avenue Ottawa ON

**Database:**  
CA

**Certificate #:** 0155-4L5MNQ  
**Application Year:** 00  
**Issue Date:** 6/12/00  
**Approval Type:** Municipal & Private water  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Corporation of the Regional Municipality of Ottawa-Carleton  
**Client Address:** 111 Lisgar Street  
**Client City:** Ottawa  
**Client Postal Code:** K2P 2L7  
**Project Description:** Construction of a Watermain on Argyle Avenue  
**Contaminants:**  
**Emission Control:**

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**Site:** Lees Avenue Ottawa ON

**Database:**  
CA

**Certificate #:** 8377-4MUJUZ  
**Application Year:** 00  
**Issue Date:** 8/8/00  
**Approval Type:** Municipal & Private water  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Corporation of the Regional Municipality of Ottawa-Carleton  
**Client Address:** 4475 Trail Rd.  
**Client City:** Nepean  
**Client Postal Code:** K0A 2Z0  
**Project Description:** Rehabilitation of existing watermain with new watermain & hydrants on Lees Avenue  
**Contaminants:**  
**Emission Control:**

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**Site:** CARA OPERATIONS LIMITED  
MONTREAL RD. (HARVEY'S) GLOUCESTER CITY ON

**Database:**  
CA

**Certificate #:** 8-4190-96-  
**Application Year:** 96  
**Issue Date:** 10/24/1996  
**Approval Type:** Industrial air  
**Status:** Cancelled  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:** COMMERCIAL KITCHEN EXHAUST HOODS  
**Contaminants:**  
**Emission Control:**

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**Site:** OTTAWA CITY  
WALKLEY RD., HAWTHORNE BUS.PK. OTTAWA CITY ON

**Database:**  
CA

**Certificate #:** 3-0448-93-  
**Application Year:** 93  
**Issue Date:** 6/18/1993  
**Approval Type:** Municipal sewage  
**Status:** Preliminary approval  
**Application Type:**  
**Client Name:**

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

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**Site:** **COMMERCE CITY INVESTMENT LTD. IMBROOK**  
**QUEENSWAY COMMERCIAL CENTRE GLOUCESTER CITY ON**

**Database:**  
**CA**

**Certificate #:** 3-1452-89-  
**Application Year:** 89  
**Issue Date:** 7/28/1989  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** **Lafarge Canada Inc**  
**Hawthorne Road Ottawa Ontario Hawthorne Quarry Lot 28, Concession VI, City of Ottawa (geographic City of Gloucester) CITY OF OTTAWA ON**

**Database:**  
**EBR**

**EBR Registry No:** IA06E0284  
**Ministry Ref No:** 5221-6LEMVN  
**Notice Type:** Instrument Decision  
**Notice Stage:**  
**Notice Date:** August 17, 2006  
**Proposal Date:** March 13, 2006  
**Decision Posted:**  
**Posted By:**  
**Company Name:** Lafarge Canada Inc  
**Off Instrument Name:**  
**Instrument Type:** (OWRA s. 53(1)) - Approval for sewage works  
**Proponent Name:**  
**Proponent Address:** 7880 Keele Street, 5th Floor, Concord Ontario, L4K 4G7  
**Site Address:**  
**Location Other:**  
**URL:**

**Year:** 2006  
**Act 1:**  
**Act 2:**  
**Comment Period:**  
**Section:**  
**Site Location Map:**

**Site Location Details:**

Hawthorne Road Ottawa Ontario Hawthorne Quarry Lot 28, Concession VI, City of Ottawa (geographic City of Gloucester) CITY OF OTTAWA

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**Site:** **City of Ottawa**  
**Waverly St., Elgin St., Gilmour St., And Cartier St. Ottawa ON K1P 1J1**

**Database:**  
**ECA**

**Approval No:** 3773-A6BH8E  
**Approval Date:** 2016-02-11  
**Status:** Revoked and/or Replaced  
**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:** Waverly St., Elgin St., Gilmour St., And Cartier St.  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/0094-9ZXRAY-14.pdf>

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

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**Site:** *City of Ottawa*  
*Rideau River Western Pathway at University of Ottawa 200 Lees Avenue Ottawa ON K2G 6J8*

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

**Approval No:** 8759-AM8HE7  
**Approval Date:** 2017-05-11  
**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:** Rideau River Western Pathway at University of Ottawa 200 Lees Avenue  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/1401-AHXNV8-14.pdf>

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

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**Site:** *City of Ottawa*  
*Patterson Ave Strathcona Ave and Metcalfe St Ottawa ON K1P 1J1*

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

**Approval No:** 4527-5YXRQP  
**Approval Date:** 2004-06-15  
**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:** Patterson Ave Strathcona Ave and Metcalfe St  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/2171-5XRRR2-14.pdf>

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

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**Site:** *The Regional Municipality of Ottawa-Carleton*  
*Argyle Avenue, Park Avenue and Queen Elizabeth Drive Ottawa ON K2P 2L7*

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

**Approval No:** 0155-4L5MNQ  
**Approval Date:** 2000-06-12  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-Municipal and Private Water Works  
**Project Type:** Municipal and Private Water Works  
**Address:** Argyle Avenue, Park Avenue and Queen Elizabeth Drive  
**Full Address:**  
**Full PDF Link:**

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

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**Site:** *City of Ottawa*  
*Argyle Avenue, Park Avenue and Queen Elizabeth Drive Ave Ottawa ON K2G 6J8*

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

**Approval No:** 9210-7PVSZX  
**Approval Date:** 2009-03-11  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-Municipal Drinking Water Systems  
**Project Type:** Municipal Drinking Water Systems  
**Address:** Argyle Avenue, Park Avenue and Queen Elizabeth Drive Ave  
**Full Address:**  
**Full PDF Link:**

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

---

**Site:** *City of Ottawa*  
*Metcalfe St Patterson Avenue, and Strathcona Avenue Ottawa ON K1P 1J1*

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



**Approval No:** 3410-5Y8QMV  
**Approval Date:** 2004-04-23  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-Municipal Drinking Water Systems  
**Project Type:** Municipal Drinking Water Systems  
**Address:** Metcalfe St Patterson Avenue, and Strathcona Avenue  
**Full Address:**  
**Full PDF Link:**

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

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**Site:** **City of Ottawa**  
**Patterson Ave., Strathcona Ave., Allan Place, Cobalt Ave. Ottawa ON K1P 1J1**

**Database:**  
**ECA**

**Approval No:** 7318-6B9FA5  
**Approval Date:** 2005-04-20  
**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:** Patterson Ave., Strathcona Ave., Allan Place, Cobalt Ave.  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/5971-6ARPK9-14.pdf>

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

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**Site:** **City of Ottawa**  
**Elgin St Ottawa ON K2G 6J8**

**Database:**  
**ECA**

**Approval No:** 3479-B58MN9  
**Approval Date:** 2018-10-05  
**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:** Elgin St  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/9153-B4ZNVU-14.pdf>

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

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**Site:** **The Corporation of the City of Ottawa**  
**Argyle Avenue, Park Avenue and Queen Elizabeth Drive Ottawa ON K1N 5A1**

**Database:**  
**ECA**

**Approval No:** 2785-4LNQUF  
**Approval Date:** 2000-07-06  
**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:** Argyle Avenue, Park Avenue and Queen Elizabeth Drive  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/6778-4L2KCC-14.pdf>

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

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**Site:** **City of Ottawa**  
**Kent to Bank and Metcalfe to Elgin Ottawa ON K1P 1J1**

**Database:**  
**ECA**

**Approval No:** 6059-5BPHX4  
**Approval Date:** 2002-07-08  
**Status:** Approved

**MOE District:**  
**City:**  
**Longitude:**

**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:** Kent to Bank and Metcalfe to Elgin  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/6383-5BHRYF-14.pdf>

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

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**Site:** *The Corporation of the Town of Iroquois Falls*  
*Argyle Ave Ottawa ON P0K 1G0*

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

**Approval No:** 6440-7JLPEB  
**Approval Date:** 2008-09-19  
**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:** Argyle Ave  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/3197-7GTLKK-14.pdf>

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

---

**Site:** *City of Ottawa*  
*Kent to Bank and Metcalfe to Elgin Ottawa ON K1P 1J1*

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

**Approval No:** 9810-5BPJ33  
**Approval Date:** 2002-07-08  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-Municipal and Private Water Works  
**Project Type:** Municipal and Private Water Works  
**Address:** Kent to Bank and Metcalfe to Elgin  
**Full Address:**  
**Full PDF Link:**

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

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**Site:** *City of Ottawa*  
*Main St Ottawa ON K2G 6J8*

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

**Approval No:** 7237-9TLVP8  
**Approval Date:** 2015-04-02  
**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:** Main St  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/3884-9SJT8A-14.pdf>

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

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**Site:** *City of Ottawa*  
*Patterson Ave., Strathcona Ave., Allan Place, Cobalt Ave. Ottawa ON K1P 1J1*

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

**Approval No:** 8770-6B5Q76  
**Approval Date:** 2005-04-05  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**

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

**Approval Type:** ECA-Municipal Drinking Water Systems  
**Project Type:** Municipal Drinking Water Systems  
**Address:** Patterson Ave., Strathcona Ave., Allan Place, Cobalt Ave.  
**Full Address:**  
**Full PDF Link:**

---

**Site:** *The Corporation of the Town of Iroquois Falls*  
*Argyle Ave Ottawa ON P0K 1G0*

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

**Approval No:** 0691-7JLPEE  
**Approval Date:** 2008-09-19  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-Municipal Drinking Water Systems  
**Project Type:** Municipal Drinking Water Systems  
**Address:** Argyle Ave  
**Full PDF Link:**

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

---

**Site:** *1550 Colonel By Dr & 492 Queen Elizabeth DRWY Ottawa ON*

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

**Order No:** 20060907032  
**Status:** C  
**Report Type:** Custom Report  
**Report Date:** 9/18/2006  
**Date Received:** 9/7/2006  
**Previous Site Name:**  
**Lot/Building Size:**  
**Additional Info Ordered:**

**Nearest Intersection:**  
**Municipality:**  
**Client Prov/State:** ON  
**Search Radius (km):** 0.25  
**X:** 0  
**Y:** 0

---

**Site:** *LAFARGE CANADA INC.*  
*HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON*

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

**Generator No:** ON0430012  
**Status:**  
**Approval Years:** 2009  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 212315  
**SIC Description:** Limestone Mining and Quarrying

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 213  
**Waste Class Desc:** PETROLEUM DISTILLATES

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS

---

**Site:** *OTTAWA-CARLTON, REGIONAL MUN. OF 29-120*  
*LEES AVENUE TRANSIT STATION C/O 222 QUEEN STREET OTTAWA ON K1P 5Z3*

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

**Generator No:** ON0303104  
**Status:**  
**Approval Years:** 94,95,96

**PO Box No:**  
**Country:**  
**Choice of Contact:**

**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 3699  
**SIC Description:** OTHER PETRO. & COAL

**Co Admin:**  
**Phone No Admin:**

Detail(s)

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

---

**Site:** LAFARGE CONSTRUCTION MATERIALS 30-422  
HAWTHORNE QUARRY LOT 28 CONCESSION 6 GLOUCESTER ON

**Database:**  
GEN

**Generator No:** ON0430012  
**Status:**  
**Approval Years:** 92,93,94,95,96,97,98  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 0812  
**SIC Description:** LIMESTONE QUARRIES

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

Detail(s)

**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS

---

**Site:** LAFARGE CANADA INC.  
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON K4B 1J5

**Database:**  
GEN

**Generator No:** ON0430012  
**Status:**  
**Approval Years:** 2012  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 212315  
**SIC Description:** Limestone Mining and Quarrying

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

Detail(s)

**Waste Class:** 213  
**Waste Class Desc:** PETROLEUM DISTILLATES

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS

---

**Site:** RW Tomlinson  
Lees Avenue Transit Station Ottawa ON

**Database:**  
GEN

**Generator No:** ON9056839  
**Status:**  
**Approval Years:** 2013  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 237310  
**SIC Description:** HIGHWAY, STREET AND BRIDGE CONSTRUCTION

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

Detail(s)

**Waste Class:** 251

Waste Class Desc: OIL SKIMMINGS & SLUDGES

**Site:** CITY OF OTTAWA  
LEES AVENUE TRANSIT STATION OTTAWA ON K1V 1A6

**Database:**  
GEN

**Generator No:** ON0303104  
**Status:**  
**Approval Years:** 02,03,04,05,06,07,08  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 221320  
**SIC Description:** Sewage Treatment Facilities

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 146  
**Waste Class Desc:** OTHER SPECIFIED INORGANICS

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

**Site:** LAFARGE CANADA INC.  
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON K4B 1J5

**Database:**  
GEN

**Generator No:** ON0430012  
**Status:**  
**Approval Years:** 2015  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 212315  
**SIC Description:** LIMESTONE MINING AND QUARRYING

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:** CO\_ADMIN  
**Co Admin:** Angelo Sorce  
**Phone No Admin:** 905-738-7070 Ext.

**Detail(s)**

**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS

**Waste Class:** 213  
**Waste Class Desc:** PETROLEUM DISTILLATES

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

**Site:** GVT. OF CAN-STATISTICS CANADA  
1405 Main Statistics Canada Building TUNNEY'S PASTURE OTTAWA ON K1A 0T6

**Database:**  
GEN

**Generator No:** ON0684800  
**Status:**  
**Approval Years:** 2014  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 911910  
**SIC Description:** 911910

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:** CO\_OFFICIAL  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 212  
**Waste Class Desc:** ALIPHATIC SOLVENTS

**Waste Class:** 312  
**Waste Class Desc:** PATHOLOGICAL WASTES

**Waste Class:** 121

**Waste Class Desc:** ALKALINE WASTES - HEAVY METALS  
**Waste Class:** 148  
**Waste Class Desc:** INORGANIC LABORATORY CHEMICALS  
**Waste Class:** 263  
**Waste Class Desc:** ORGANIC LABORATORY CHEMICALS  
**Waste Class:** 264  
**Waste Class Desc:** PHOTOPROCESSING WASTES  
**Waste Class:** 213  
**Waste Class Desc:** PETROLEUM DISTILLATES

---

**Site:** **GVT. OF CAN-STATISTICS CANADA**  
**1405 Main Statistics Canada Building TUNNEY'S PASTURE OTTAWA ON K1A 0T6**

**Database:**  
**GEN**

**Generator No:** ON0684800  
**Status:**  
**Approval Years:** 2012  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 911910  
**SIC Description:** Other Federal Government Public Administration  
**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 148  
**Waste Class Desc:** INORGANIC LABORATORY CHEMICALS  
**Waste Class:** 263  
**Waste Class Desc:** ORGANIC LABORATORY CHEMICALS  
**Waste Class:** 264  
**Waste Class Desc:** PHOTOPROCESSING WASTES  
**Waste Class:** 121  
**Waste Class Desc:** ALKALINE WASTES - HEAVY METALS  
**Waste Class:** 312  
**Waste Class Desc:** PATHOLOGICAL WASTES  
**Waste Class:** 213  
**Waste Class Desc:** PETROLEUM DISTILLATES

---

**Site:** **City Of Ottawa Public Works**  
**Hawthron & Elgin City of Ottawa ON K1S 1N1**

**Database:**  
**GEN**

**Generator No:** ON7219892  
**Status:** Registered  
**Approval Years:** As of Mar 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:** 251 L  
**Waste Class Desc:** Waste oils/sludges (petroleum based)

---

**Site:** **CITY OF OTTAWA Wastewater Services Branch**  
**LEES AVENUE TRANSIT STATION OTTAWA ON K1V 1A6**

**Database:**  
**GEN**

**Generator No:** ON0303104  
**Status:** Registered  
**PO Box No:**  
**Country:** Canada

**Approval Years:** As of Mar 2019  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:**  
**SIC Description:**

**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

Detail(s)

**Waste Class:** 251 L  
**Waste Class Desc:** Waste oils/sludges (petroleum based)

**Waste Class:** 222 H  
**Waste Class Desc:** Heavy fuels

**Waste Class:** 146 L  
**Waste Class Desc:** Other specified inorganic sludges, slurries or solids

---

**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:** LAFARGE CANADA INC.  
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON K4B 1J5

**Database:**  
GEN

**Generator No:** ON0430012  
**Status:**  
**Approval Years:** 02,03,04,05,06,07,08  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 212315  
**SIC Description:** Limestone Mining & Quarrying

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

Detail(s)

**Waste Class:** 213  
**Waste Class Desc:** PETROLEUM DISTILLATES

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS

---

**Site:** LAFARGE CANADA INC.  
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON K4B 1J5

**Database:**  
GEN

**Generator No:** ON0430012  
**Status:** Registered  
**Approval Years:** As of Dec 2018  
**Contam. Facility:**  
**MHSW Facility:**

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**SIC Code:**  
**SIC Description:**

**Detail(s)**

**Waste Class:** 213 L  
**Waste Class Desc:** Petroleum distillates

**Waste Class:** 221 I  
**Waste Class Desc:** Light fuels

**Waste Class:** 221 L  
**Waste Class Desc:** Light fuels

**Waste Class:** 222 L  
**Waste Class Desc:** Heavy fuels

**Waste Class:** 252 L  
**Waste Class Desc:** Waste crankcase oils and lubricants

---

**Site:** LAFARGE CANADA INC.  
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON

**Database:**  
GEN

**Generator No:** ON0430012  
**Status:**  
**Approval Years:** 2011  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 212315  
**SIC Description:** Limestone Mining and Quarrying

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS

**Waste Class:** 213  
**Waste Class Desc:** PETROLEUM DISTILLATES

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

---

**Site:** CITY OF OTTAWA  
LEES AVENUE TRANSIT STATION OTTAWA ON K1V 1A6

**Database:**  
GEN

**Generator No:** ON0303104  
**Status:**  
**Approval Years:** 2012  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 221320  
**SIC Description:** Sewage Treatment Facilities

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 146  
**Waste Class Desc:** OTHER SPECIFIED INORGANICS

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

---

**Site:** CITY OF OTTAWA

**Database:**  
GEN



**LEES AVENUE TRANSIT STATION OTTAWA ON**

**Generator No:** ON0303104  
**Status:**  
**Approval Years:** 2009  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 221320  
**SIC Description:** Sewage Treatment Facilities

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 146  
**Waste Class Desc:** OTHER SPECIFIED INORGANICS

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

---

**Site:** OTTAWA-CARLTON, REGIONAL MUNICIPALITY OF  
(STORM WATER PUMPING STATION, LEES AVE) C/O 222 QUEEN STREET OTTAWA ON K1P 5Z3

**Database:**  
**GEN**

**Generator No:** ON0303103  
**Status:**  
**Approval Years:** 92,93,94  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 0000  
**SIC Description:** \*\*\* NOT DEFINED \*\*\*

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

---

**Site:** GVT OF CAN-HEALTH&WELFARE CAN.MED.16-313  
SER.BR,UNIT44,6THFL.E,165HOTEL-DE-VILLE PLACEDUPORTAGE,PHASE11 C/O301 ELGIN ST OTTAWA ON K1A 0L3

**Database:**  
**GEN**

**Generator No:** ON0095627  
**Status:**  
**Approval Years:** 94,95,96  
**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:** LAFARGE CANADA INC.  
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON

**Database:**  
**GEN**

**Generator No:** ON0430012  
**Status:**  
**Approval Years:** 2010  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 212315  
**SIC Description:** Limestone Mining and Quarrying

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

**Waste Class:** 213

**Waste Class Desc:** PETROLEUM DISTILLATES

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

---

**Site:** CITY OF OTTAWA Wastewater Services Branch  
LEES AVENUE TRANSIT STATION OTTAWA ON K1V 1A6

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

**Generator No:** ON0303104  
**Status:** Registered  
**Approval Years:** As of Dec 2018  
**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:** 146 L  
**Waste Class Desc:** Other specified inorganic sludges, slurries or solids

**Waste Class:** 222 H  
**Waste Class Desc:** Heavy fuels

**Waste Class:** 251 L  
**Waste Class Desc:** Waste oils/sludges (petroleum based)

---

**Site:** City Of Ottawa  
Hawthron & Elgin City of Ottawa ON K1S 1N1

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

**Generator No:** ON7219892  
**Status:**  
**Approval Years:** 2015  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 913910  
**SIC Description:** 913910

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:** CO\_ADMIN  
**Co Admin:** Rick Jadowski  
**Phone No Admin:** 613-580-2424 Ext.34228

**Detail(s)**

**Waste Class:** 251  
**Waste Class Desc:** OIL SKIMMINGS & SLUDGES

---

**Site:** City of Ottawa  
Rideau Valley Dr. right of way Manotick Main St. Ottawa ON

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

**Generator No:** ON6802088  
**Status:**  
**Approval Years:** 2009  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 913910  
**SIC Description:** Other Local Municipal and Regional Public Administration

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

**Waste Class:** 241  
**Waste Class Desc:** HALOGENATED SOLVENTS

---

**Site:** City Of Ottawa  
Hawthron & Elgin City of Ottawa ON K1S 1N1

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

**Generator No:** ON7219892  
**Status:**  
**Approval Years:** 2016  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 913910  
**SIC Description:** 913910

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:** CO\_ADMIN  
**Co Admin:** Steve Showler  
**Phone No Admin:** 613-564-8026 Ext.

Detail(s)

**Waste Class:** 251  
**Waste Class Desc:** OIL SKIMMINGS & SLUDGES

---

**Site:** **GVT OF CAN-HEALTH&WELFARE CAN.MED.16-302**  
**SER.BR,UNIT#24,RM C-225,S/R CHARLES TUPPER BLDG,CONFEDHGTSC/O 301 ELGIN ST OTTAWA ON K1A 0L3**

**Database:**  
**GEN**

**Generator No:** ON0095616  
**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:** **GVT. OF CAN-STATISTICS CANADA**  
**1405 Main Statistics Canada Building TUNNEY'S PASTURE OTTAWA ON K1A 0T6**

**Database:**  
**GEN**

**Generator No:** ON0684800  
**Status:**  
**Approval Years:** 2015  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 911910  
**SIC Description:** 911910

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:** CO\_OFFICIAL  
**Co Admin:**  
**Phone No Admin:**

Detail(s)

**Waste Class:** 264  
**Waste Class Desc:** PHOTOPROCESSING WASTES

**Waste Class:** 145  
**Waste Class Desc:** PAINT/PIGMENT/COATING RESIDUES

**Waste Class:** 212  
**Waste Class Desc:** ALIPHATIC SOLVENTS

**Waste Class:** 312  
**Waste Class Desc:** PATHOLOGICAL WASTES

**Waste Class:** 263  
**Waste Class Desc:** ORGANIC LABORATORY CHEMICALS

**Waste Class:** 121  
**Waste Class Desc:** ALKALINE WASTES - HEAVY METALS

**Waste Class:** 213  
**Waste Class Desc:** PETROLEUM DISTILLATES

**Waste Class:** 148  
**Waste Class Desc:** INORGANIC LABORATORY CHEMICALS

**Site:** CITY OF OTTAWA  
LEES AVENUE TRANSIT STATION OTTAWA ON

**Database:**  
GEN

**Generator No:** ON0303104  
**Status:**  
**Approval Years:** 2013  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 221320  
**SIC Description:** SEWAGE TREATMENT FACILITIES

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 251  
**Waste Class Desc:** OIL SKIMMINGS & SLUDGES

**Waste Class:** 146  
**Waste Class Desc:** OTHER SPECIFIED INORGANICS

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

**Site:** CITY OF OTTAWA  
LEES AVENUE TRANSIT STATION OTTAWA ON K1V 1A6

**Database:**  
GEN

**Generator No:** ON0303104  
**Status:**  
**Approval Years:** 2016  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 221320  
**SIC Description:** SEWAGE TREATMENT FACILITIES

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:** CO\_OFFICIAL  
**Co Admin:** Drew Cameron  
**Phone No Admin:** 613-580-2424 Ext.23210

**Detail(s)**

**Waste Class:** 146  
**Waste Class Desc:** OTHER SPECIFIED INORGANICS

**Waste Class:** 251  
**Waste Class Desc:** OIL SKIMMINGS & SLUDGES

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

**Site:** LAFARGE CANADA INC.  
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON K4B 1J5

**Database:**  
GEN

**Generator No:** ON0430012  
**Status:**  
**Approval Years:** 2014  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 212315  
**SIC Description:** LIMESTONE MINING AND QUARRYING

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:** CO\_ADMIN  
**Co Admin:** Angelo Sorce  
**Phone No Admin:** 905-738-7070 Ext.

**Detail(s)**

**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

**Waste Class:** 213  
**Waste Class Desc:** PETROLEUM DISTILLATES

---

**Site:** LAFARGE CONSTRUCTION MATERIALS  
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON

**Database:**  
GEN

**Generator No:** ON0430012  
**Status:**  
**Approval Years:** 99,00,01  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 0812  
**SIC Description:** LIMESTONE QUARRIES

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS

---

**Site:** NCC Care of Golder  
Elgin and Queen Elizabeth Ottawa ON

**Database:**  
GEN

**Generator No:** ON4683444  
**Status:**  
**Approval Years:** 2013  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 541620  
**SIC Description:** ENVIRONMENTAL CONSULTING SERVICES

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 146  
**Waste Class Desc:** OTHER SPECIFIED INORGANICS

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

---

**Site:** CITY OF OTTAWA  
LEES AVENUE TRANSIT STATION OTTAWA ON

**Database:**  
GEN

**Generator No:** ON0303104  
**Status:**  
**Approval Years:** 2010  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 221320  
**SIC Description:** Sewage Treatment Facilities

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

**Waste Class:** 146  
**Waste Class Desc:** OTHER SPECIFIED INORGANICS

---

**Site:** City of Ottawa  
Rideau Valley Dr. right of way Manotick Main St. Ottawa ON

**Database:**  
GEN

**Generator No:** ON6802088  
**Status:**  
**Approval Years:** 2010  
**Contam. Facility:**

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**

---

**MHSW Facility:** **Phone No Admin:**  
**SIC Code:** 913910  
**SIC Description:** Other Local Municipal and Regional Public Administration

**Detail(s)**

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS  
**Waste Class:** 241  
**Waste Class Desc:** HALOGENATED SOLVENTS

---

**Site:** **OTTAWA-CARLTON, REGIONAL MUN. OF**  
**LEES AVENUE TRANSIT STATION C/O 222 QUEEN STREET OTTAWA ON K1P 5Z3**

**Database:**  
**GEN**

**Generator No:** ON0303104  
**Status:**  
**Approval Years:** 86,87,88,89,90  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 3699  
**SIC Description:** OTHER PETRO. & COAL  
**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

---

**Site:** **PERMANENT CONCRETE**  
**HAWTHORNE QUARRY LOT 28 CONCESSION 6 GLOUCESTER ON**

**Database:**  
**GEN**

**Generator No:** ON0430012  
**Status:**  
**Approval Years:** 88,89,90  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 0000  
**SIC Description:** \*\*\* NOT DEFINED \*\*\*  
**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

---

**Site:** **Golder Associates Ltd**  
**305 Queen Elizabeth Drive Ottawa ON K1S 3N1**

**Database:**  
**GEN**

**Generator No:** ON9458719  
**Status:**  
**Approval Years:** 2016  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 541330  
**SIC Description:** ENGINEERING SERVICES  
**PO Box No:**  
**Country:** Canada  
**Choice of Contact:** CO\_OFFICIAL  
**Co Admin:** Brandon McGee  
**Phone No Admin:** 6137391449 Ext.246

**Detail(s)**

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS  
**Waste Class:** 211  
**Waste Class Desc:** AROMATIC SOLVENTS

---

**Site:** **City Of Ottawa Public Works**  
**Hawthron & Elgin City of Ottawa ON K1S 1N1**

**Database:**  
**GEN**

**Generator No:** ON7219892  
**Status:** Registered  
**Approval Years:** As of Dec 2018  
**Contam. Facility:**  
**PO Box No:**  
**Country:** Canada  
**Choice of Contact:**  
**Co Admin:**

MHSW Facility:  
SIC Code:  
SIC Description:

Phone No Admin:

Detail(s)

Waste Class: 251 L  
Waste Class Desc: Waste oils/sludges (petroleum based)

Site: CITY OF OTTAWA  
LEES AVENUE TRANSIT STATION OTTAWA ON K1V 1A6

Database:  
GEN

|                   |                             |                    |                        |
|-------------------|-----------------------------|--------------------|------------------------|
| Generator No:     | ON0303104                   | PO Box No:         |                        |
| Status:           |                             | Country:           | Canada                 |
| Approval Years:   | 2014                        | Choice of Contact: | CO_OFFICIAL            |
| Contam. Facility: | No                          | Co Admin:          | Drew Cameron           |
| MHSW Facility:    | No                          | Phone No Admin:    | 613-580-2424 Ext.23210 |
| SIC Code:         | 221320                      |                    |                        |
| SIC Description:  | SEWAGE TREATMENT FACILITIES |                    |                        |

Detail(s)

Waste Class: 251  
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 146  
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 222  
Waste Class Desc: HEAVY FUELS

Site: GVT OF CAN-HEALTH&WELFARE CAN.MED.16-315  
SER.BR,#47,2ND FL.,140 PROMENADE DU PORTAGE,PLACEDUPORT IVC/0301 ELGIN ST. OTTAWA ON K1A 0L3

Database:  
GEN

|                   |                     |                    |  |
|-------------------|---------------------|--------------------|--|
| Generator No:     | ON0095629           | PO Box No:         |  |
| Status:           |                     | Country:           |  |
| Approval Years:   | 94,95,96            | Choice of Contact: |  |
| Contam. Facility: |                     | Co Admin:          |  |
| MHSW Facility:    |                     | Phone No Admin:    |  |
| SIC Code:         | 8635                |                    |  |
| SIC Description:  | PUB. HEALTH CLINICS |                    |  |

Detail(s)

Waste Class: 312  
Waste Class Desc: PATHOLOGICAL WASTES

Site: Sports Medicine Clinic  
Carleton University Ice House, 1125 Colonel By Dr Ottawa ON K1S5B6

Database:  
GEN

|                   |                |                    |        |
|-------------------|----------------|--------------------|--------|
| Generator No:     | ON8145235      | PO Box No:         |        |
| Status:           | Registered     | Country:           | Canada |
| Approval Years:   | As of Mar 2019 | Choice of Contact: |        |
| Contam. Facility: |                | Co Admin:          |        |
| MHSW Facility:    |                | Phone No Admin:    |        |
| SIC Code:         |                |                    |        |
| SIC Description:  |                |                    |        |

Detail(s)

Waste Class: 312 P  
Waste Class Desc: Pathological wastes

Waste Class: 261 A  
Waste Class Desc: Pharmaceuticals

---

**Site:** GVT OF CAN-HEALTH&WELFARE CAN.MED.16-307  
SER.BR,UNIT#34,RM201,SIR FREDERICK BANTING BLDG,TUNNEY'SC/O 301 ELGIN ST. OTTAWA ON K1A 0L3

**Database:**  
GEN

**Generator No:** ON0095621  
**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:** GVT OF CAN-HEALTH&WELFARE CAN.MED.16-300  
SER.BR,HEALTH UNIT#19, BLDG #4,RM 100 SHIRLEY'S BAY (CRC), C/O 301 ELGIN ST. OTTAWA ON K1A 0L3

**Database:**  
GEN

**Generator No:** ON0095614  
**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:** CONSUMERS GAS COMPANY LTD.  
LOT 6, CONC. 6 RF (OTTAWA GATE STN) HAWTHORNE ROAD S. OF HUNT CLUB ROAD GLOUCESTER ON

**Database:**  
GEN

**Generator No:** ON0060824  
**Status:**  
**Approval Years:** 94,95,96,97  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 4921  
**SIC Description:** GAS DISTIRB. SYS.

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 212  
**Waste Class Desc:** ALIPHATIC SOLVENTS

**Waste Class:** 263  
**Waste Class Desc:** ORGANIC LABORATORY CHEMICALS

---

**Site:** GVT. OF CAN-STATISTICS CANADA  
1405 Main Statistics Canada Building TUNNEY'S PASTURE OTTAWA ON K1A 0T6

**Database:**  
GEN

**Generator No:** ON0684800  
**Status:**  
**Approval Years:** 2016  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 911910  
**SIC Description:** 911910

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:** CO\_OFFICIAL  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**



**Waste Class:** 213  
**Waste Class Desc:** PETROLEUM DISTILLATES

**Waste Class:** 263  
**Waste Class Desc:** ORGANIC LABORATORY CHEMICALS

**Waste Class:** 121  
**Waste Class Desc:** ALKALINE WASTES - HEAVY METALS

**Waste Class:** 264  
**Waste Class Desc:** PHOTOPROCESSING WASTES

**Waste Class:** 148  
**Waste Class Desc:** INORGANIC LABORATORY CHEMICALS

**Waste Class:** 331  
**Waste Class Desc:** WASTE COMPRESSED GASES

**Waste Class:** 212  
**Waste Class Desc:** ALIPHATIC SOLVENTS

**Waste Class:** 145  
**Waste Class Desc:** PAINT/PIGMENT/COATING RESIDUES

**Waste Class:** 312  
**Waste Class Desc:** PATHOLOGICAL WASTES

---

**Site:** CITY OF OTTAWA  
LEES AVENUE TRANSIT STATION OTTAWA ON

**Database:**  
GEN

**Generator No:** ON0303104  
**Status:**  
**Approval Years:** 2011  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 221320  
**SIC Description:** Sewage Treatment Facilities

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 146  
**Waste Class Desc:** OTHER SPECIFIED INORGANICS

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

---

**Site:** LAFARGE CANADA INC.  
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON

**Database:**  
GEN

**Generator No:** ON0430012  
**Status:**  
**Approval Years:** 2013  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 212315  
**SIC Description:** LIMESTONE MINING AND QUARRYING

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

**Waste Class:** 213

**Waste Class Desc:** PETROLEUM DISTILLATES  
**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS

---

**Site:** OTTAWA-CARLTON, REGIONAL MUNICIPALITY OF  
LEES AVENUE TRANSIT STATION OTTAWA ON

**Database:**  
GEN

**Generator No:** ON0303104  
**Status:**  
**Approval Years:** 92,93,97,98,99,00,01  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 3699  
**SIC Description:** OTHER PETRO. & COAL

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

Detail(s)

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

---

**Site:** OTTAWA-CARLTON, REGIONAL MUNICIPAL  
(STORM WATER PUMPING STATION, LEES AVE) C/O 222 QUEEN STREET OTTAWA ON K1P 5Z3

**Database:**  
GEN

**Generator No:** ON0303103  
**Status:**  
**Approval Years:** 86,87,88,89,90  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 0000  
**SIC Description:** \*\*\* NOT DEFINED \*\*\*

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

---

**Site:** City Of Ottawa  
Hawthron & Elgin City of Ottawa ON K1S 1N1

**Database:**  
GEN

**Generator No:** ON7219892  
**Status:**  
**Approval Years:** 2014  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 913910  
**SIC Description:** 913910

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:** CO\_ADMIN  
**Co Admin:** Rick Jadowski  
**Phone No Admin:** 613-580-2424 Ext.34228

Detail(s)

**Waste Class:** 251  
**Waste Class Desc:** OIL SKIMMINGS & SLUDGES

---

**Site:** CITY OF OTTAWA  
LEES AVENUE TRANSIT STATION OTTAWA ON K1V 1A6

**Database:**  
GEN

**Generator No:** ON0303104  
**Status:**  
**Approval Years:** 2015  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 221320  
**SIC Description:** SEWAGE TREATMENT FACILITIES

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:** CO\_OFFICIAL  
**Co Admin:** Drew Cameron  
**Phone No Admin:** 613-580-2424 Ext.23210

Detail(s)

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

**Waste Class:** 146

**Waste Class Desc:** OTHER SPECIFIED INORGANICS

**Waste Class:** 251

**Waste Class Desc:** OIL SKIMMINGS & SLUDGES

---

**Site:** GVT OF CAN-HEALTH&WELFARE CAN.MED.16-311  
SER.BR,UNIT#41, RMC-3115,45 SACRE-COEUR BLVD,CAN GVT.PRINT BUR,C/O301 ELGIN ST OTTAWA ON K1A 0L3

**Database:**  
GEN

**Generator No:** ON0095625  
**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:** CLEAN WATER WORKS  
LEES AVE @ OC TRANSPOR TRANSIT WAY OTTAWA ON

**Database:**  
GEN

**Generator No:** ON2883524  
**Status:**  
**Approval Years:** 2010  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 238990  
**SIC Description:** All Other Specialty Trade Contractors

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

**Detail(s)**

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

---

**Site:** GVT OF CAN-HEALTH&WELFARE CAN.MED.16-299  
SER.BR,HEALTH UNIT#15,RM116,555 BOUL. DE LA CARRIERE (DND),C/O 301 ELGIN ST. OTTAWA ON K1A 0L3

**Database:**  
GEN

**Generator No:** ON0095613  
**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:** CLEAN WATER WORKS  
LEES AVE @ OC TRANSPOR TRANSIT WAY OTTAWA ON

**Database:**  
GEN

**Generator No:** ON2883524  
**Status:**  
**Approval Years:** 2009  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 238990  
**SIC Description:** All Other Specialty Trade Contractors

**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

Detail(s)

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

---

**Site:** LAFARGE CANADA INC.  
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON K4B 1J5

**Database:**  
GEN

**Generator No:** ON0430012  
**Status:**  
**Approval Years:** 2016  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 212315  
**SIC Description:** LIMESTONE MINING AND QUARRYING

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:** CO\_ADMIN  
**Co Admin:** Amanda Kiu  
**Phone No Admin:** 905-738-2997 Ext.

Detail(s)

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

**Waste Class:** 213  
**Waste Class Desc:** PETROLEUM DISTILLATES

**Waste Class:** 222  
**Waste Class Desc:** HEAVY FUELS

**Waste Class:** 252  
**Waste Class Desc:** WASTE OILS & LUBRICANTS

---

**Site:** LAFARGE CANADA INC.  
HAWTHORNE QUARRY LOT 28, CONCESSION 6 GLOUCESTER ON K4B 1J5

**Database:**  
GEN

**Generator No:** ON0430012  
**Status:** Registered  
**Approval Years:** As of Mar 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:** 221 L  
**Waste Class Desc:** Light fuels

**Waste Class:** 213 L  
**Waste Class Desc:** Petroleum distillates

**Waste Class:** 222 L  
**Waste Class Desc:** Heavy fuels

**Waste Class:** 252 L  
**Waste Class Desc:** Waste crankcase oils and lubricants

**Waste Class:** 221 I  
**Waste Class Desc:** Light fuels

---

**Site:** MAIN STREET ON

**Database:**  
NDFT

**Property Id:** K6208  
**Base Name:** CFB OTTAWA  
**Status:** Tank no longer in service and removed  
**Status As Of:** May 25, 2001  
**Tank Class:** Bulk Storage (i.e. >45 000 litres)

**Install Year:** 1960  
**Tank Type:** Aboveground Field-erected  
**Last Year Used:** 1999  
**Tank Contents:** Diesel  
**Capacity (L):** 30

---

**Site:** COLONEL DR BY OTTAWA ON

**Database:**  
NDFT

**Property Id:** K13545  
**Base Name:** DG REALTY POLICY AND PLANS  
**Status:** Tank currently active  
**Status As Of:** May 25, 2001  
**Tank Class:** Bulk Storage  
**Install Year:** 1999  
**Tank Type:** Aboveground Shop-fabricated  
**Last Year Used:** 1999  
**Tank Contents:** Diesel  
**Capacity (L):** 11142

---

**Site:** PUBLIC WORKS CANADA  
LORNE BUILDING; ELGIN STREET OTTAWA ON

**Database:**  
NPCB

**Company Code:** O3082  
**Industry:** Public Works Canada  
**Site Status:**  
**Transaction Date:** 10/11/1991  
**Inspection Date:** 3/14/1991

---

**Site:** PUBLIC WORKS CANADA  
PHASE 1V - LEVEL 2; 140 PROMENADE DU PORTAGE DND HEADQUARTERS; 101 COLONEL BY DRIVE OTTAWA  
ON K1A 0M3

**Database:**  
NPCB

**Company Code:** O3087  
**Industry:** Public Works Canada  
**Site Status:**  
**Transaction Date:** 11/19/1993  
**Inspection Date:** 3/22/1991

**--Details--**

**Label:**  
**Serial No.:**  
**PCB Type/Code:** Askarel  
**Location:**  
**Item/State:**  
**No. of Items:**  
**Manufacturer:**  
**Status:** In-Use  
**Contents:** 590.00 L

**Label:**  
**Serial No.:**  
**PCB Type/Code:** Askarel  
**Location:**  
**Item/State:**  
**No. of Items:**  
**Manufacturer:**  
**Status:** In-Use  
**Contents:** 608.00 L

**Label:**  
**Serial No.:**  
**PCB Type/Code:** Askarel  
**Location:**

**Item/State:**  
**No. of Items:**  
**Manufacturer:**  
**Status:** In-Use  
**Contents:** 1404.00 L

---

**Site:** PUBLIC WORKS CANADA  
PHASE IV - LEVEL 2; 140 PROMENADE DU PORTAGE LORNE BUILDING; ELGIN STREET OTTAWA ON K1A 0M3

**Database:**  
NPCB

**Company Code:** O3082  
**Industry:** Public Works Canada  
**Site Status:**  
**Transaction Date:** 11/19/1993  
**Inspection Date:** 3/14/1991

---

**Site:** PUBLIC WORKS CANADA  
LORNE BUILDING ELGIN STREET OTTAWA ON

**Database:**  
NPCB

**Company Code:** O3082  
**Industry:** PUBLICS WORKS CANADA  
**Site Status:** FEDERAL FACILITIES (IN USE)  
**Transaction Date:** 6/16/1999  
**Inspection Date:** 11/2/1999

---

**Site:** COLONEL BY DRIVE, OTTAWA ON

**Database:**  
PINC

|                               |  |                            |                              |
|-------------------------------|--|----------------------------|------------------------------|
| <b>Incident ID:</b>           |  | <b>Health Impact:</b>      |                              |
| <b>Incident No:</b>           | 1935574                                      | <b>Environment Impact:</b> |                              |
| <b>Type:</b>                  | FS-Pipeline Incident                         | <b>Property Damage:</b>    | Yes                          |
| <b>Status Code:</b>           | Pipeline Damage Reason Est                   | <b>Service Interrupt:</b>  | Yes                          |
| <b>Fuel Occurrence Tp:</b>    |  | <b>Enforce Policy:</b>     |                              |
| <b>Fuel Type:</b>             |  | <b>Public Relation:</b>    |                              |
| <b>Tank Status:</b>           | RC Established                               | <b>Pipeline System:</b>    |                              |
| <b>Task No:</b>               | 6312399                                      | <b>Depth:</b>              |                              |
| <b>Spills Action Centre:</b>  |  | <b>Pipe Material:</b>      |                              |
| <b>Method Details:</b>        | E-mail                                       | <b>PSIG:</b>               |                              |
| <b>Fuel Category:</b>         | Natural Gas                                  | <b>Attribute Category:</b> | FS-Perform P-line Inc Invest |
| <b>Date of Occurrence:</b>    |  | <b>Regulator Location:</b> |                              |
| <b>Occurrence Start Date:</b> | 2016/09/14                                   |                            |                              |
| <b>Operation Type:</b>        |  |                            |                              |
| <b>Pipeline Type:</b>         |  |                            |                              |
| <b>Regulator Type:</b>        |  |                            |                              |
| <b>Summary:</b>               | COLONEL BY DRIVE, OTTAWA - PIPELINE HIT - 1" |                            |                              |
| <b>Reported By:</b>           | John Hardie - ENBRIDGE                       |                            |                              |
| <b>Affiliation:</b>           |  |                            |                              |
| <b>Occurrence Desc:</b>       |  |                            |                              |
| <b>Damage Reason:</b>         | Facility was not located or marked           |                            |                              |
| <b>Notes:</b>                 |  |                            |                              |

---

**Site:** GODSTONE AND ELGIN STREET, OTTAWA ON

**Database:**  
PINC

|                              |                            |                            |     |
|------------------------------|----------------------------|----------------------------|-----|
| <b>Incident ID:</b>          |                            | <b>Health Impact:</b>      |     |
| <b>Incident No:</b>          | 1261548                    | <b>Environment Impact:</b> |     |
| <b>Type:</b>                 | FS-Pipeline Incident       | <b>Property Damage:</b>    | Yes |
| <b>Status Code:</b>          | Pipeline Damage Reason Est | <b>Service Interrupt:</b>  |     |
| <b>Fuel Occurrence Tp:</b>   |                            | <b>Enforce Policy:</b>     | Yes |
| <b>Fuel Type:</b>            |                            | <b>Public Relation:</b>    |     |
| <b>Tank Status:</b>          | RC Established             | <b>Pipeline System:</b>    |     |
| <b>Task No:</b>              | 4678004                    | <b>Depth:</b>              |     |
| <b>Spills Action Centre:</b> |                            | <b>Pipe Material:</b>      |     |

**Method Details:** E-mail  
**Fuel Category:** Natural Gas  
**Date of Occurrence:** 2013/10/10  
**Occurrence Start Date:** 2013/10/10  
**Operation Type:**  
**Pipeline Type:**  
**Regulator Type:**  
**Summary:** GODSTONE AND ELGIN STREET, OTTAWA - PIPELINE HIT - 2"  
**Reported By:** Andre Gaudette - Enbridge Gas  
**Affiliation:**  
**Occurrence Desc:**  
**Damage Reason:** Excavation practices not sufficient  
**Notes:**

**PSIG:**  
**Attribute Category:** FS-Perform P-line Inc Invest  
**Regualtor Location:**

**Site:** **Lafarge Canada Inc.**  
**Lafarge Canada Inc. - Hawthorne Quarry Lot 28, Concession 6 City of Ottawa CITY OF OTTAWA ON**

**Database:**  
**PTTW**

**EBR Registry No:** 012-3515  
**Ministry Ref No:** 3737-9SXQHM  
**Notice Type:** Instrument Decision  
**Notice Stage:**  
**Notice Date:** June 03, 2015  
**Proposal Date:** February 11, 2015  
**Decision Posted:**  
**Posted By:**  
**Company Name:** Lafarge Canada Inc.  
**Off Instrument Name:**  
**Instrument Type:** (OWRA s. 34) - Permit to Take Water  
**Proponent Name:**  
**Proponent Address:** 6509 Airport Road, Mississauga Ontario, Canada L4V 1S7  
**Site Address:**  
**Location Other:**  
**URL:**

**Year:** 2015  
**Act 1:**  
**Act 2:**  
**Comment Period:**  
**Section:**  
**Site Location Map:**

**Site Location Details:**

Lafarge Canada Inc. - Hawthorne Quarry Lot 28, Concession 6 City of Ottawa CITY OF OTTAWA

**Site:** **UPI INC**  
**140 RUE STE-CATHERINE OTTAWA ON K0C 2B0**

**Database:**  
**RST**

**Headcode:** 1070510  
**Headcode Desc:** Propane Gas-Sales & Service  
**Phone:** 6135243113  
**List Name:**  
**Description:**

**Site:** **West side of the Ashton Stn Rd at Graham Rd. BFI TRUCK ACCIDENT<UNOFFICIAL> Ottawa ON**

**Database:**  
**SPL**

**Ref No:** 3530-6QKU6B  
**Site No:**  
**Incident Dt:** 6/8/2006  
**Year:**  
**Incident Cause:** Other Transport Accident  
**Incident Event:**  
**Contaminant Code:** 15  
**Contaminant Name:** MOTOR OIL  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Possible

**Discharger Report:**  
**Material Group:** Oils  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Other Motor Vehicle  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:** WEST SIDE OF THE ASHTON STN RD AT GRAHAM RD.  
**Site District Office:** Ottawa  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Ottawa

**Nature of Impact:** Soil Contamination  
**Receiving Medium:** Land  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 6/8/2006  
**Dt Document Closed:**  
**Incident Reason:** Unknown - Reason not determined  
**Site Name:** WEST SIDE OF THE ASHTON STN RD AT GRAHAM RD.  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** BFI Canada: 4.5 L motor oil to ditch, cont,clng  
**Contaminant Qty:** 4.5 L

**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** Canadian Waste Services Inc.  
 MAIN STREET AND WINTERGREEN<UNOFFICIAL> Ottawa ON

**Database:**  
 SPL

**Ref No:** 1563-5RASV8  
**Site No:**  
**Incident Dt:** 9/11/2003  
**Year:**  
**Incident Cause:** Pipe Or Hose Leak  
**Incident Event:**  
**Contaminant Code:** 15  
**Contaminant Name:** HYDRAULIC OIL  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Not Anticipated  
**Nature of Impact:** Other Impact(s); Surface Water Pollution  
**Receiving Medium:** Water  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 9/11/2003  
**Dt Document Closed:**  
**Incident Reason:** Equipment Failure - Malfunction of system components  
**Site Name:** MAIN STREET AND WINTERGREEN<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Stittsville: 45 Gal hydraulic oil spill to ground  
**Contaminant Qty:** 204.75 L

**Discharger Report:**  
**Material Group:** Oil  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:** Ottawa  
**Site Postal Code:**  
**Site Region:** Eastern  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Spill to Inland Watercourses; Spill to Land  
**Source Type:**

**Site:** UNKNOWN  
 BLAIR STATION AND QUEENSWAY OTTAWA CITY ON

**Database:**  
 SPL

**Ref No:** 239018  
**Site No:**  
**Incident Dt:** 9/11/2002  
**Year:**  
**Incident Cause:** UNKNOWN  
**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:** LAND, WATER  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 9/11/2002  
**Dt Document Closed:**  
**Incident Reason:** UNKNOWN

**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:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**



Site Name:  
Site County/District:  
Site Geo Ref Meth:  
Incident Summary:  
Contaminant Qty:

SOURCE UNK: UNK VOLUME OF ANTIFREEZE IN THE STORMSEWER, CLEANING

**Site:** CARLTON UNIVERSITY  
RIDEAU RIVER, @ CARLTON UNIVERSITY COLONEL BYE DRIVE OTTAWA OTTAWA CITY ON

**Database:**  
SPL

Ref No: 125916  
Site No:  
Incident Dt: 5/4/1996  
Year:  
Incident Cause: CONTAINER OVERFLOW  
Incident Event:  
Contaminant Code:  
Contaminant Name:  
Contaminant Limit 1:  
Contam Limit Freq 1:  
Contaminant UN No 1:  
Environment Impact: NOT ANTICIPATED  
Nature of Impact: Water course or lake  
Receiving Medium: WATER  
Receiving Env:  
MOE Response:  
Dt MOE Arvl on Scn:  
MOE Reported Dt: 5/4/1996  
Dt Document Closed:  
Incident Reason: ERROR  
Site Name:  
Site County/District:  
Site Geo Ref Meth:  
Incident Summary:  
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: 20101  
Site Lot:  
Site Conc:  
Northing:  
Easting: WORKS  
Site Geo Ref Accu:  
Site Map Datum:  
SAC Action Class:  
Source Type:

CARLTON U.:INDOOR DIESEL TO SUMP & SMALL AMOUNT TO STORM SEWER: CLEANING

**Site:** TANK TRUCK  
QUEENSWAY (EASTBOUND) BETWEEN EAGLESON AND MOODY TANK TRUCK (CARGO) NEPEAN CITY ON

**Database:**  
SPL

Ref No: 95884  
Site No:  
Incident Dt: 1/30/1994  
Year:  
Incident Cause: OTHER CONTAINER LEAK  
Incident Event:  
Contaminant Code:  
Contaminant Name:  
Contaminant Limit 1:  
Contam Limit Freq 1:  
Contaminant UN No 1:  
Environment Impact: NOT ANTICIPATED  
Nature of Impact:  
Receiving Medium: LAND  
Receiving Env:  
MOE Response:  
Dt MOE Arvl on Scn:  
MOE Reported Dt: 1/30/1994  
Dt Document Closed:  
Incident Reason: UNKNOWN  
Site Name:  
Site County/District:  
Site Geo Ref Meth:  
Incident Summary:  
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: 20104  
Site Lot:  
Site Conc:  
Northing:  
Easting: FIRE DEPARTMENT, OPP  
Site Geo Ref Accu:  
Site Map Datum:  
SAC Action Class:  
Source Type:

TANK TRUCK: 15 L FURNACE OIL TO ROAD

**Site:** Enbridge Gas Distribution Inc.

**Database:**  
SPL

**Main St Ottawa ON**

|                              |  |                              |  |
|------------------------------|--|------------------------------|--|
| <b>Ref No:</b>               | 2717-A3VHU6                                  | <b>Discharger Report:</b>    |  |
| <b>Site No:</b>              | NA   | <b>Material Group:</b>       |  |
| <b>Incident Dt:</b>          | 10/30/2015                                   | <b>Health/Env Conseq:</b>    |  |
| <b>Year:</b>                 |  | <b>Client Type:</b>          |  |
| <b>Incident Cause:</b>       |  | <b>Sector Type:</b>          | Miscellaneous Industrial                                   |
| <b>Incident Event:</b>       |  | <b>Agency Involved:</b>      |  |
| <b>Contaminant Code:</b>     | 35   | <b>Nearest Watercourse:</b>  |  |
| <b>Contaminant Name:</b>     | NATURAL GAS (METHANE)                        | <b>Site Address:</b>         | Main St  |
| <b>Contaminant Limit 1:</b>  |  | <b>Site District Office:</b> |  |
| <b>Contam Limit Freq 1:</b>  |  | <b>Site Postal Code:</b>     |  |
| <b>Contaminant UN No 1:</b>  |  | <b>Site Region:</b>          |  |
| <b>Environment Impact:</b>   |  | <b>Site Municipality:</b>    | Ottawa   |
| <b>Nature of Impact:</b>     |  | <b>Site Lot:</b>             |  |
| <b>Receiving Medium:</b>     |  | <b>Site Conc:</b>            |  |
| <b>Receiving Env:</b>        |  | <b>Northing:</b>             |  |
| <b>MOE Response:</b>         | No   | <b>Easting:</b>              |  |
| <b>Dt MOE Arvl on Scn:</b>   |  | <b>Site Geo Ref Accu:</b>    |  |
| <b>MOE Reported Dt:</b>      | 11/2/2015                                    | <b>Site Map Datum:</b>       |  |
| <b>Dt Document Closed:</b>   |  | <b>SAC Action Class:</b>     | TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill |
| <b>Incident Reason:</b>      | Operator/Human Error                         | <b>Source Type:</b>          |  |
| <b>Site Name:</b>            | 83 Main Street<UNOFFICIAL>                   |                              |  |
| <b>Site County/District:</b> |  |                              |  |
| <b>Site Geo Ref Meth:</b>    |  |                              |  |
| <b>Incident Summary:</b>     | TSSA FSB: 1 in IP pl service dmgd, made safe |                              |  |
| <b>Contaminant Qty:</b>      | 1 other - see incident description           |                              |  |

**Site:** **Colonel By Dr Ottawa ON** **Database:** **SPL**

|                              |                                    |                              |                    |
|------------------------------|------------------------------------|------------------------------|--------------------|
| <b>Ref No:</b>               | 0872-7U9JD8                        | <b>Discharger Report:</b>    |                    |
| <b>Site No:</b>              |                                    | <b>Material Group:</b>       |                    |
| <b>Incident Dt:</b>          |                                    | <b>Health/Env Conseq:</b>    |                    |
| <b>Year:</b>                 |                                    | <b>Client Type:</b>          |                    |
| <b>Incident Cause:</b>       | Other Transport Accident           | <b>Sector Type:</b>          | Motor Vehicle      |
| <b>Incident Event:</b>       |                                    | <b>Agency Involved:</b>      |                    |
| <b>Contaminant Code:</b>     |                                    | <b>Nearest Watercourse:</b>  |                    |
| <b>Contaminant Name:</b>     | Operating Fluids                   | <b>Site Address:</b>         |                    |
| <b>Contaminant Limit 1:</b>  |                                    | <b>Site District Office:</b> |                    |
| <b>Contam Limit Freq 1:</b>  |                                    | <b>Site Postal Code:</b>     |                    |
| <b>Contaminant UN No 1:</b>  |                                    | <b>Site Region:</b>          |                    |
| <b>Environment Impact:</b>   | Confirmed                          | <b>Site Municipality:</b>    | Ottawa             |
| <b>Nature of Impact:</b>     | Surface Water Pollution            | <b>Site Lot:</b>             |                    |
| <b>Receiving Medium:</b>     |                                    | <b>Site Conc:</b>            |                    |
| <b>Receiving Env:</b>        |                                    | <b>Northing:</b>             | NA                 |
| <b>MOE Response:</b>         | No Field Response                  | <b>Easting:</b>              | NA                 |
| <b>Dt MOE Arvl on Scn:</b>   |                                    | <b>Site Geo Ref Accu:</b>    |                    |
| <b>MOE Reported Dt:</b>      | 7/24/2009                          | <b>Site Map Datum:</b>       |                    |
| <b>Dt Document Closed:</b>   |                                    | <b>SAC Action Class:</b>     | Watercourse Spills |
| <b>Incident Reason:</b>      | Unknown - Reason not determined    | <b>Source Type:</b>          |                    |
| <b>Site Name:</b>            | Colonel By Drive                   |                              |                    |
| <b>Site County/District:</b> |                                    |                              |                    |
| <b>Site Geo Ref Meth:</b>    |                                    |                              |                    |
| <b>Incident Summary:</b>     | MVA: op. fluids to Rideau Canal.   |                              |                    |
| <b>Contaminant Qty:</b>      | 0 other - see incident description |                              |                    |

**Site:** **HAWTHORNE RD, JUST SOUTH OF LEITRIM RD.<UNOFFICIAL> Ottawa ON** **Database:** **SPL**

|                        |                  |                           |                     |
|------------------------|------------------|---------------------------|---------------------|
| <b>Ref No:</b>         | 6807-62AKB9      | <b>Discharger Report:</b> |                     |
| <b>Site No:</b>        |                  | <b>Material Group:</b>    | Oil                 |
| <b>Incident Dt:</b>    | 6/25/2004        | <b>Health/Env Conseq:</b> |                     |
| <b>Year:</b>           |                  | <b>Client Type:</b>       |                     |
| <b>Incident Cause:</b> | Other Discharges | <b>Sector Type:</b>       | Other Motor Vehicle |
| <b>Incident Event:</b> |                  | <b>Agency Involved:</b>   |                     |

**Contaminant Code:** 15  
**Contaminant Name:** HYDRAULIC OIL  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Not Anticipated  
**Nature of Impact:** Soil Contamination  
**Receiving Medium:** Land  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 6/25/2004  
**Dt Document Closed:**  
**Incident Reason:** Unknown - Reason not determined  
**Site Name:** HAWTHORNE RD, JUST SOUTH OF LEITRIM RD.<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Lacombe waste-10 L hydraulic oil to rd,cleaning.  
**Contaminant Qty:** 10 L

**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:** Ottawa  
**Site Postal Code:**  
**Site Region:** Eastern  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Spill to Land  
**Source Type:**

**Site:** UNKNOWN **Database:** SPL  
 INTERSECTION OF MAIN ST. AND POOL CREEK OTTAWA CITY ON

**Ref No:** 224470  
**Site No:**  
**Incident Dt:** 4/29/2002  
**Year:**  
**Incident Cause:** UNKNOWN  
**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:** LAND / WATER  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 4/29/2002  
**Dt Document Closed:**  
**Incident Reason:** UNKNOWN  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** UKN: OILY SHEEN ON CREEK FLOWING UNDER MAIN ST. NO ODOUR.  
**Contaminant Qty:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:** CITY OF OTTAWA  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 20107  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** BRUCE FUELS **Database:** SPL  
 INTERSECTION OF HAWTHORNE AND BLAIS ROAD, GLOUCESTER (OTTAWA) 35 JAMIE AVE NEPEAN ON  
 OTTAWA CITY ON

**Ref No:** 220760  
**Site No:**  
**Incident Dt:** 2/1/2002  
**Year:**  
**Incident Cause:** TRUCK/TRAILER OVERTURN  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** CONFIRMED  
**Nature of Impact:** Soil contamination  
**Receiving Medium:** LAND

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:** FIRE, FIRE HAZ-MAT, WORKS  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 20107  
**Site Lot:**  
**Site Conc:**

Receiving Env:  
MOE Response:  
Dt MOE Arvl on Scn:  
MOE Reported Dt: 2/1/2002  
Dt Document Closed:  
Incident Reason: ADVERSE ROAD CONDITION  
Site Name:  
Site County/District:  
Site Geo Ref Meth:  
Incident Summary:  
Contaminant Qty:

Northing:  
Easting:  
Site Geo Ref Accu:  
Site Map Datum:  
SAC Action Class:  
Source Type:

BRUCE FUELS: MVA - TRUCK IN DITCH CARRYING FURNACE OIL (7500 L) LEAKING.

---

**Site:** POWELL FUELS  
RIDEAU VALLEY MIDDLE SCHOOL, MAIN ST., KARS TANK TRUCK (CARGO) OTTAWA-CARLETON R.M. ON

**Database:**  
SPL

Ref No: 44507  
Site No:  
Incident Dt: 12/11/1990  
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: NOT ANTICIPATED  
Nature of Impact:  
Receiving Medium: LAND  
Receiving Env:  
MOE Response:  
Dt MOE Arvl on Scn:  
MOE Reported Dt: 12/11/1990  
Dt Document Closed:  
Incident Reason: ERROR  
Site Name:  
Site County/District:  
Site Geo Ref Meth:  
Incident Summary:  
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: 20000  
Site Lot:  
Site Conc:  
Northing:  
Easting:  
Site Geo Ref Accu:  
Site Map Datum:  
SAC Action Class:  
Source Type:

POWELL FUELS -100 L. FURNACE OIL TO ASPHALT, CLEANED UP.

---

**Site:** SNC-Lavalin Constructors (Pacific) Inc., Dragados Canada, Inc.  
South of Hwy 417 between Hurman Bridge and Lees Ave Ottawa ON

**Database:**  
SPL

Ref No: 8221-9JDKCS  
Site No: NA  
Incident Dt: 2014/04/21  
Year:  
Incident Cause: Overflow/Surcharge  
Incident Event:  
Contaminant Code: 12  
Contaminant Name: GASOLINE  
Contaminant Limit 1:  
Contam Limit Freq 1:  
Contaminant UN No 1:  
Environment Impact: Confirmed  
Nature of Impact: Soil Contamination  
Receiving Medium:  
Receiving Env:  
MOE Response: No Field Response  
Dt MOE Arvl on Scn:  
MOE Reported Dt: 2014/04/21  
Dt Document Closed: 2014/11/04  
Incident Reason: Operator/Human Error  
Site Name: OLRT Highway Widening Project Site<UNOFFICIAL>  
Site County/District:

Discharger Report:  
Material Group:  
Health/Env Conseq:  
Client Type:  
Sector Type: Tank - Above Ground  
Agency Involved:  
Nearest Watercourse:  
Site Address: South of Hwy 417 between Hurman Bridge and Lees Ave  
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: Land Spills  
Source Type:

**Site Geo Ref Meth:**  
**Incident Summary:** Ottawa LRT: 1L gasoline spill cleaned  
**Contaminant Qty:** 1 L

**Site:** **City of Ottawa**  
**Hawthorne Huntclub Loop Ottawa ON**

**Database:**  
**SPL**

**Ref No:** 5401-AFTQVP  
**Site No:** NA  
**Incident Dt:** 2016/11/18  
**Year:**  
**Incident Cause:**  
**Incident Event:** Leak/Break  
**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:** Land  
**MOE Response:** No  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 2016/11/18  
**Dt Document Closed:**  
**Incident Reason:** Equipment Failure  
**Site Name:** Roadside and CB<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** OC Transpo: 15 glycol to road / CB, cleaning  
**Contaminant Qty:** 15 L

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Other  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:** Hawthorne Huntclub Loop  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:** 5022009  
**Easting:** 448861  
**Site Geo Ref Accu:** GPS  
**Site Map Datum:**  
**SAC Action Class:** Primary Assessment of Spills  
**Source Type:**

**Site:** **Bell Canada**  
**on Bank St, 10 ft N of Catherine St BELL MANHOLE<UNOFFICIAL> Ottawa ON**

**Database:**  
**SPL**

**Ref No:** 8384-6WDTAV  
**Site No:**  
**Incident Dt:** 12/11/2006  
**Year:**  
**Incident Cause:** Unknown  
**Incident Event:**  
**Contaminant Code:** 13  
**Contaminant Name:** GASOLINE  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Not Anticipated  
**Nature of Impact:** Surface Water Pollution  
**Receiving Medium:** Water  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 12/11/2006  
**Dt Document Closed:**  
**Incident Reason:** Unknown - Reason not determined  
**Site Name:** ON BANK ST, 10 FT N OF CATHERINE ST  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** ukn src: hydrocarbons in Bell manhole  
**Contaminant Qty:** Not specified L

**Discharger Report:**  
**Material Group:** Oils  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Unknown  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:** ON BANK ST, 10 FT N OF CATHERINE ST  
**Site District Office:** Ottawa  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** **SUNTRACT RENTALS**  
**STRATHCONA PARK/RANGE RD. OTTAWA SITE 1508 MICHAEL STREET OTTAWA CITY ON**

**Database:**  
**SPL**

**Ref No:** 53386  
**Site No:**  
**Incident Dt:** 7/2/1991  
**Year:**  
**Incident Cause:** ABOVE-GROUND TANK LEAK  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** CONFIRMED  
**Nature of Impact:** Water course or lake  
**Receiving Medium:** LAND / WATER  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 7/2/1991  
**Dt Document Closed:**  
**Incident Reason:** EQUIPMENT FAILURE  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:**  
**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:** 20101  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:** WORKS DEPT.  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

SUNTRACT RENTAL-22.5 L OFDIESEL FUEL SPILLED ON GROUND & RIDEAU RIVER.

---

**Site:** City of Ottawa  
Bronson St E, north of Catherine St Ottawa ON

**Database:**  
SPL

**Ref No:** 0342-74AGWM  
**Site No:**  
**Incident Dt:**  
**Year:**  
**Incident Cause:** Pipe Or Hose Leak  
**Incident Event:**  
**Contaminant Code:** 27  
**Contaminant Name:** COOLANT N.O.S.  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Not Anticipated  
**Nature of Impact:** Surface Water Pollution  
**Receiving Medium:** Water  
**Receiving Env:**  
**MOE Response:** No Field Response  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 6/18/2007  
**Dt Document Closed:** 6/20/2007  
**Incident Reason:** Unknown - Reason not determined  
**Site Name:** Catch basin<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** 1L coolant to catch basin. Cleaning.  
**Contaminant Qty:** 1 L

**Discharger Report:**  
**Material Group:** Chemicals  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Other Motor Vehicle  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**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:**  
**Source Type:**

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**Site:** Hunt Club Drive West near Hawthorne Ottawa ON

**Database:**  
SPL

**Ref No:** 5082-7X7J3M  
**Site No:**  
**Incident Dt:**  
**Year:**  
**Incident Cause:**  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**

**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:**  
**Nature of Impact:**  
**Receiving Medium:**  
**Receiving Env:**  
**MOE Response:** No Field Response  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 10/26/2009  
**Dt Document Closed:** 11/10/2009  
**Incident Reason:**  
**Site Name:** transmission oil spill.<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Ottawa: Valma Forming, 40 L transmission oil spill, cleaning  
**Contaminant Qty:**

**Site Postal Code:**  
**Site Region:**  
**Site Municipality:**  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Land Spills  
**Source Type:**

**Site:** **TRANSPORT TRUCK** **Database:** **SPL**  
**QUEENSWAY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON**

**Ref No:** 224201 **Discharger Report:**  
**Site No:** **Material Group:**  
**Incident Dt:** 4/19/2002 **Health/Env Conseq:**  
**Year:** **Client Type:**  
**Incident Cause:** OTHER TRANSPORTATION ACCIDENT **Sector Type:**  
**Incident Event:** **Agency Involved:** OPP-KANATA; MTO  
**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:** CONFIRMED **Site Municipality:** 20107  
**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:** 4/19/2002 **Site Map Datum:**  
**Dt Document Closed:** **SAC Action Class:**  
**Incident Reason:** ERROR **Source Type:**  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** LOBLAWS: 450L DIESEL FROMTRUCK TO ROAD ONLY; OPP; MTO.  
**Contaminant Qty:**

**Site:** **Enbridge Gas Distribution Inc.** **Database:** **SPL**  
**Colonel By Drive building 10, Carleton University Ottawa ON**

**Ref No:** 7565-ADJP4L **Discharger Report:**  
**Site No:** NA **Material Group:**  
**Incident Dt:** 9/6/2016 **Health/Env Conseq:**  
**Year:** **Client Type:** Miscellaneous Industrial  
**Incident Cause:** **Sector Type:**  
**Incident Event:** Leak/Break **Agency Involved:**  
**Contaminant Code:** 35 **Nearest Watercourse:**  
**Contaminant Name:** NATURAL GAS (METHANE) **Site Address:** Colonel By Drive building 10, Carleton University  
**Contaminant Limit 1:** **Site District Office:**  
**Contam Limit Freq 1:** **Site Postal Code:**  
**Contaminant UN No 1:** **Site Region:**  
**Environment Impact:** **Site Municipality:** Ottawa  
**Nature of Impact:** **Site Lot:**  
**Receiving Medium:** **Site Conc:**  
**Receiving Env:** Air **Northing:**  
**MOE Response:** **Easting:**  
**Dt MOE Arvl on Scn:** **Site Geo Ref Accu:**



**MOE Reported Dt:** 9/6/2016  
**Dt Document Closed:**  
**Incident Reason:** Operator/Human Error  
**Site Name:** commercial<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** TSSA: Carleton Unv, 1 inch, safe  
**Contaminant Qty:** 0 n/a

**Site Map Datum:**  
**SAC Action Class:** TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill  
**Source Type:**

**Site:** QUEENSWAY EASTBOUND AT METCALFE \ OTTAWA CITY ON

**Database:**  
**SPL**

**Ref No:** 162583  
**Site No:**  
**Incident Dt:** 12/2/1998  
**Year:**  
**Incident Cause:**  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:**  
**Nature of Impact:**  
**Receiving Medium:** LAND / WATER  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 12/2/1998  
**Dt Document Closed:**  
**Incident Reason:**  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:**  
**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:** 20101  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** OTTAWA STRUCTURAL CONCRETE SER  
GRAHAM CREEK AT QUEENSWAY FROM BAYSHORE SHOPP'G CTRE. NEPEAN CITY ON

**Database:**  
**SPL**

**Ref No:** 74243  
**Site No:**  
**Incident Dt:** 7/27/1992  
**Year:**  
**Incident Cause:** OTHER CAUSE (N.O.S.)  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** CONFIRMED  
**Nature of Impact:** Water course or lake  
**Receiving Medium:** WATER  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 7/27/1992  
**Dt Document Closed:**  
**Incident Reason:** NEGLIGENCE (APPARENT)  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** OTTAWA STRUCT'L CONCRETE -WASHED OUT CONTAINERS IN STORM DRAIN.  
**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:** 20104  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:** REGION OF OTTAWA-CARLTON  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**



**Site:** Colonel By Drive Ottawa ON

**Database:**  
SPL

**Ref No:** 4024-A2TQK9  
**Site No:** NA  
**Incident Dt:** 9/29/2015  
**Year:**  
**Incident Cause:**  
**Incident Event:**  
**Contaminant Code:** 12  
**Contaminant Name:** GASOLINE  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:**  
**Nature of Impact:**  
**Receiving Medium:**  
**Receiving Env:**  
**MOE Response:** No  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 9/29/2015  
**Dt Document Closed:** 11/23/2015  
**Incident Reason:** Unknown / N/A  
**Site Name:** On Colonel By Drive, North of Bank St. Bridge (In vicinity of Rideau Canal)<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** MVA: gasoline to ground/water, Rideau Canal  
**Contaminant Qty:** 1 L

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Miscellaneous Industrial  
**Agency Involved:**  
**Nearest Watercourse:** Rideau Canal  
**Site Address:** Colonel By Drive  
**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:** Highway Spills (usually highway accidents)  
**Source Type:**

**Site:** STINSON FUELS  
HAWTHORNE AVE AT SUMMIT FOOD SERVICES. TANK TRUCK (CARGO) GLOUCESTER CITY ON

**Database:**  
SPL

**Ref No:** 159263  
**Site No:**  
**Incident Dt:** 8/21/1998  
**Year:**  
**Incident Cause:** CONTAINER OVERFLOW  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** NOT ANTICIPATED  
**Nature of Impact:**  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 8/21/1998  
**Dt Document Closed:**  
**Incident Reason:** ERROR  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** STINSON FUELS-20 L DIESEL TO CONCRETE, U/G TANK OVER-FILLED, CLEANED UP.  
**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:** 20105  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:** 98  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** Pretoria Bridge in Ottawa<UNOFFICIAL> Ottawa ON

**Database:**  
SPL

**Ref No:** 3320-6HRSUQ  
**Site No:**  
**Incident Dt:** 11/2/2005

**Discharger Report:** 0  
**Material Group:** Oil  
**Health/Env Conseq:**

**Year:**  
**Incident Cause:** Unknown  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:** GEAR OIL  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Confirmed  
**Nature of Impact:** Soil Contamination  
**Receiving Medium:** Land  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 11/2/2005  
**Dt Document Closed:**  
**Incident Reason:** Unknown - Reason not determined  
**Site Name:** Pretoria Bridge in Ottawa<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Spill of Gear Lub. in Ottawa - Pretoria Bridge  
**Contaminant Qty:**

**Client Type:**  
**Sector Type:** Other  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:** Ottawa  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Land Spills  
**Source Type:**

**Site:** **Graham Creek outfall near Carling Av.<UNOFFICIAL> Ottawa ON**

**Database:**  
**SPL**

**Ref No:** 7230-6EESVB  
**Site No:**  
**Incident Dt:** 7/18/2005  
**Year:**  
**Incident Cause:** Discharge Or Bypass To A Watercourse  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:** OIL (PETROLEUM BASED, NOT SPECIFIED)  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Possible  
**Nature of Impact:** Surface Water Pollution  
**Receiving Medium:** Water  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 7/18/2005  
**Dt Document Closed:**  
**Incident Reason:** Unknown - Reason not determined  
**Site Name:** Graham Creek outfall near Carling Av.<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Ukn srce, film on Graham Ck, Works & ERP  
**Contaminant Qty:**

**Discharger Report:** 0  
**Material Group:** Oil  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:** Ottawa  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Spills to Watercourses  
**Source Type:**

**Site:** **City of Ottawa**  
**Bike path north of Hurdman/Queensway Bridge Ottawa ON**

**Database:**  
**SPL**

**Ref No:** 7517-7QRMF9  
**Site No:**  
**Incident Dt:**  
**Year:**  
**Incident Cause:** Unknown  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:** OIL (PETROLEUM BASED, NOT SPECIFIED)  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Not Anticipated

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Sewer  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Ottawa

**Nature of Impact:**  
**Receiving Medium:**  
**Receiving Env:**  
**MOE Response:** Planned Field Response  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 4/3/2009  
**Dt Document Closed:**

**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Pollution Incident Reports (PIRs) and ¿Other¿ calls

**Incident Reason:**  
**Site Name:** City Storm Sewer Outfall to Rideau River- Bike Path<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Ottawa Rideau River - oily sheen water from storm outfall  
**Contaminant Qty:**

**Source Type:**

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**Site:** Hawthorne Rd btw Stevenage Dr and Ages Dr Ottawa ON

**Database:**  
**SPL**

**Ref No:** 4076-8G2SX2  
**Site No:**  
**Incident Dt:** 4/18/2011  
**Year:**  
**Incident Cause:** Other Transport Accident  
**Incident Event:**  
**Contaminant Code:** 13  
**Contaminant Name:** DIESEL FUEL  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Confirmed  
**Nature of Impact:** Surface Water Pollution  
**Receiving Medium:**  
**Receiving Env:**  
**MOE Response:** No Further Response (PR-PIR Table A)  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 4/18/2011  
**Dt Document Closed:** 4/28/2011  
**Incident Reason:** Equipment/Vehicles  
**Site Name:** Hawthorne Rd<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Diesel Spill 250L's to rd and cb  
**Contaminant Qty:** 250 L

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Tank Truck  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:** Hawthorne Rd btw Stevenage Dr and Ages Dr  
**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:**

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**Site:** corner of Godstone and Elgin Street Ottawa ON

**Database:**  
**SPL**

**Ref No:** 6228-9CCLB8  
**Site No:**  
**Incident Dt:** 2013/10/10  
**Year:**  
**Incident Cause:** Leak/Break  
**Incident Event:**  
**Contaminant Code:** 35  
**Contaminant Name:** NATURAL GAS (METHANE)  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Confirmed  
**Nature of Impact:** Air Pollution  
**Receiving Medium:**  
**Receiving Env:**  
**MOE Response:** Referral to others  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 2013/10/10  
**Dt Document Closed:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Pipeline/Components  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:** corner of Godstone and Elgin Street  
**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:** TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill

**Incident Reason:** Operator/Human Error **Source Type:**  
**Site Name:** corner of Godstone and Elgin Street<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** TSSA- Spill - 2" line hit by contractor, made safe  
**Contaminant Qty:** 0 other - see incident description

**Site:** **Footpath at Lees Avenue - at the foot of the bridge the sanitary sewer on the east side of the river<UNOFFICIAL>** **Database:**  
**Ottawa ON** **SPL**

**Ref No:** 0887-849TG5 **Discharger Report:**  
**Site No:** **Material Group:**  
**Incident Dt:** **Health/Env Conseq:**  
**Year:** **Client Type:**  
**Incident Cause:** **Sector Type:** Other  
**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:**  
**Nature of Impact:** **Site Lot:**  
**Receiving Medium:** **Site Conc:**  
**Receiving Env:** **Northing:**  
**MOE Response:** No Field Response **Easting:**  
**Dt MOE Arvl on Scrn:** **Site Geo Ref Accu:**  
**MOE Reported Dt:** 4/6/2010 **Site Map Datum:**  
**Dt Document Closed:** 4/8/2010 **SAC Action Class:** Pollution Incident Reports (PIRs) and ¿Other¿ calls

**Incident Reason:** **Source Type:**  
**Site Name:** Footpath at Lees Avenue - at the foot of the bridge the sanitary sewer on the east side of the river<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Rideau River: Gasoline sheen on river from sewer  
**Contaminant Qty:**

**Site:** **Section 21(1)(f)** **Database:**  
**5417 Main St Ottawa ON K0A 2W0** **SPL**

**Ref No:** 0555-7MPRCG **Discharger Report:**  
**Site No:** **Material Group:**  
**Incident Dt:** **Health/Env Conseq:**  
**Year:** **Client Type:**  
**Incident Cause:** Tank (Above Ground) Leak **Sector Type:**  
**Incident Event:** **Agency Involved:**  
**Contaminant Code:** 15 **Nearest Watercourse:**  
**Contaminant Name:** OIL (PETROLEUM BASED, NOT SPECIFIED) **Site Address:**  
**Contaminant Limit 1:** **Site District Office:** Ottawa  
**Contam Limit Freq 1:** **Site Postal Code:**  
**Contaminant UN No 1:** **Site Region:**  
**Environment Impact:** Confirmed **Site Municipality:** Ottawa  
**Nature of Impact:** Soil Contamination **Site Lot:**  
**Receiving Medium:** **Site Conc:**  
**Receiving Env:** **Northing:**  
**MOE Response:** No Field Response **Easting:**  
**Dt MOE Arvl on Scrn:** **Site Geo Ref Accu:**  
**MOE Reported Dt:** 12/26/2008 **Site Map Datum:**  
**Dt Document Closed:** **SAC Action Class:** TSSA - Fuel Safety Branch  
**Incident Reason:** Spill **Source Type:**  
**Site Name:** Private Residence<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** TSSA-115 L oil to ground-Osgoode  
**Contaminant Qty:** 115 L

**Site:** Colonel By Street and Rideau Canal Ottawa ON **Database:** SPL

**Ref No:** 2247-765LKU **Discharger Report:**

**Site No:** **Material Group:** Oil

**Incident Dt:** **Health/Env Conseq:**

**Year:** **Client Type:**

**Incident Cause:** Other Discharges **Sector Type:** Other Watercraft

**Incident Event:** **Agency Involved:**

**Contaminant Code:** 15 **Nearest Watercourse:**

**Contaminant Name:** OIL (PETROLEUM BASED, NOT SPECIFIED) **Site Address:**

**Contaminant Limit 1:** **Site District Office:**

**Contam Limit Freq 1:** **Site Postal Code:**

**Contaminant UN No 1:** **Site Region:**

**Environment Impact:** Confirmed **Site Municipality:** Ottawa

**Nature of Impact:** Surface Water Pollution **Site Lot:**

**Receiving Medium:** Water **Site Conc:**

**Receiving Env:** **Northing:**

**MOE Response:** Referral to others **Easting:**

**Dt MOE Arvl on Scn:** **Site Geo Ref Accu:**

**MOE Reported Dt:** 8/16/2007 **Site Map Datum:**

**Dt Document Closed:** 9/12/2007 **SAC Action Class:**

**Incident Reason:** Unknown - Reason not determined **Source Type:**

**Site Name:** Rideau Canal<UNOFFICIAL>

**Site County/District:**

**Site Geo Ref Meth:**

**Incident Summary:** Symphonie Boat taking in water- Rideau Canal

**Contaminant Qty:** 100 L

**Site:** Ultramar Ltd.; Challenger Trucking Company<UNOFFICIAL> 349 Hawthorne St (Hawthorne and Stevenage) Ottawa ON **Database:** SPL

**Ref No:** 0155-5W8QCA **Discharger Report:**

**Site No:** **Material Group:** Oil

**Incident Dt:** 2/16/2004 **Health/Env Conseq:**

**Year:** **Client Type:**

**Incident Cause:** Valve / Fitting Leak Or Failure **Sector Type:** Service Station

**Incident Event:** **Agency Involved:**

**Contaminant Code:** 13 **Nearest Watercourse:**

**Contaminant Name:** DIESEL FUEL **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:** Surface Water Pollution **Site Lot:**

**Receiving Medium:** Water **Site Conc:**

**Receiving Env:** **Northing:**

**MOE Response:** **Easting:**

**Dt MOE Arvl on Scn:** **Site Geo Ref Accu:**

**MOE Reported Dt:** 2/16/2004 **Site Map Datum:**

**Dt Document Closed:** **SAC Action Class:** Spill to Inland Watercourses

**Incident Reason:** Equipment Failure - Malfunction of system components **Source Type:**

**Site Name:** ULTRAMAR SERVICE STATION<UNOFFICIAL>

**Site County/District:**

**Site Geo Ref Meth:**

**Incident Summary:** Ultramar - 5 Gal Diesel to Storm Sewer

**Contaminant Qty:** 45.5 L

**Site:** OTTAWA-CARLETON TRANSIT MOODIE BETWEEN QUEENSWAY AND CARLING AVE, CARLING E AND W TO CORKSTOWN ROAD OTTAWA CITY ON **Database:** SPL

**Ref No:** 223236 **Discharger Report:**

**Site No:** **Material Group:**

**Incident Dt:** 3/13/2002  
**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:** Soil contamination  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 3/13/2002  
**Dt Document Closed:**  
**Incident Reason:** UNKNOWN  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:**  
**Contaminant Qty:**

**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:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

O/C TRANSIT BUS: LOST COOLENT ONTO ROADS. SEWER-MATIC CLEANING UP.

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**Site:** **TRANSPORT TRUCK**  
**MAIN ST/WINTERGREEN, CARP RD CROSSING HWY # 417 TO CARP RD L.S. STITTSVILLE. MOTOR VEHICLE**  
**(OPERATING FLUID) OTTAWA ON**

**Database:**  
**SPL**

**Ref No:** 190104  
**Site No:**  
**Incident Dt:** 11/8/2000  
**Year:**  
**Incident Cause:** OTHER CAUSE (N.O.S.)  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** POSSIBLE  
**Nature of Impact:** Soil contamination  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 11/8/2000  
**Dt Document Closed:**  
**Incident Reason:** UNKNOWN  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:**  
**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:** FD & WORKS  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

TRANSPORT TRUCK-5 KM HY- DRAULIC OIL SLICK ALONG RD, FD & ROAD DEPT.

---

**Site:** **Hughson Barriers Inc.**  
**Hurdman Road and Lees Road; Highway 417 at Rideau River Ottawa; Ottawa ON**

**Database:**  
**SPL**

**Ref No:** 7112-9Z3SHS  
**Site No:** NA; NA  
**Incident Dt:** 7/30/2015  
**Year:**  
**Incident Cause:**  
**Incident Event:**  
**Contaminant Code:** 27  
**Contaminant Name:** CONCRETE  
**Contaminant Limit 1:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Miscellaneous Industrial  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:** Hurdman Road and Lees Road; Highway 417 at Rideau River  
**Site District Office:**



**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:**  
**Nature of Impact:**  
**Receiving Medium:**  
**Receiving Env:**  
**MOE Response:** No  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 8/4/2015  
**Dt Document Closed:** 8/25/2015  
**Incident Reason:** Unknown / N/A  
**Site Name:** Ground Spill<UNOFFICIAL>; Ground Spill<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Hughson Barriers Inc- Concrete Wash-out to Ground, cld  
**Contaminant Qty:** 20 L

**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Ottawa; Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Land Spills  
**Source Type:**

**Site:** Ottawa LRT <UNOFFICIAL>  
 Hwy 417 near Lees Avenue Ottawa ON

**Database:**  
 SPL

**Ref No:** 0640-9MYHCJ  
**Site No:** NA  
**Incident Dt:** 2014/08/07  
**Year:**  
**Incident Cause:** Leak/Break  
**Incident Event:**  
**Contaminant Code:** 15  
**Contaminant Name:** HYDRAULIC OIL  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Not Anticipated  
**Nature of Impact:** Soil Contamination  
**Receiving Medium:**  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 2014/08/14  
**Dt Document Closed:**  
**Incident Reason:** Equipment Failure  
**Site Name:** highway construction site Hwy 417 at Hurdman Bridge<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Ottawa LRT: late report of hyd oil spill to grnd  
**Contaminant Qty:** 15 L

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Pipeline/Components  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:** Hwy 417 near Lees Avenue  
**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:** Land Spills  
**Source Type:**

**Site:** Carp Road (between Hazeldean and Stittsville Main), Stittsville Ottawa ON

**Database:**  
 SPL

**Ref No:** 4602-9PMMJY  
**Site No:** NA  
**Incident Dt:** 2014/10/06  
**Year:**  
**Incident Cause:** Unknown / N/A  
**Incident Event:**  
**Contaminant Code:** 15  
**Contaminant Name:** MOTOR OIL  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Not Anticipated  
**Nature of Impact:** Other Impact(s)  
**Receiving Medium:**  
**Receiving Env:**  
**MOE Response:** No Field Response  
**Dt MOE Arvl on Scn:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Sewer (Private or Municipal)  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:** Carp Road (between Hazeldean and Stittsville Main), Stittsville  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**

**MOE Reported Dt:** 2014/10/06 **Site Map Datum:**  
**Dt Document Closed:** 2014/11/03 **SAC Action Class:** Land Spills  
**Incident Reason:** Unknown / N/A **Source Type:**  
**Site Name:** Sanitary sewer<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Stittsville, motor oil in sewer, city investigating source  
**Contaminant Qty:** 0 other - see incident description

**Site:** UNKNOWN  
 HAWTHORNE RD OTTAWA CITY ON

**Database:**  
 SPL

|   |                                 |
|---|---------------------------------|
| <b>Ref No:</b> 142710   | <b>Discharger Report:</b>       |
| <b>Site No:</b>   | <b>Material Group:</b>          |
| <b>Incident Dt:</b> 6/26/1997   | <b>Health/Env Conseq:</b>       |
| <b>Year:</b>  | <b>Client Type:</b>             |
| <b>Incident Cause:</b> UNKNOWN  | <b>Sector Type:</b>             |
| <b>Incident Event:</b>  | <b>Agency Involved:</b>         |
| <b>Contaminant Code:</b>  | <b>Nearest Watercourse:</b>     |
| <b>Contaminant Name:</b>  | <b>Site Address:</b>            |
| <b>Contaminant Limit 1:</b>   | <b>Site District Office:</b>    |
| <b>Contam Limit Freq 1:</b>   | <b>Site Postal Code:</b>        |
| <b>Contaminant UN No 1:</b>   | <b>Site Region:</b>             |
| <b>Environment Impact:</b> POSSIBLE   | <b>Site Municipality:</b> 20101 |
| <b>Nature of Impact:</b> Soil contamination                                 | <b>Site Lot:</b>                |
| <b>Receiving Medium:</b> LAND   | <b>Site Conc:</b>               |
| <b>Receiving Env:</b>   | <b>Northing:</b>                |
| <b>MOE Response:</b>  | <b>Easting:</b>                 |
| <b>Dt MOE Arvl on Scn:</b>  | <b>Site Geo Ref Accu:</b>       |
| <b>MOE Reported Dt:</b> 6/26/1997   | <b>Site Map Datum:</b>          |
| <b>Dt Document Closed:</b>  | <b>SAC Action Class:</b>        |
| <b>Incident Reason:</b> UNKNOWN   | <b>Source Type:</b>             |
| <b>Site Name:</b>   |                                 |
| <b>Site County/District:</b>  |                                 |
| <b>Site Geo Ref Meth:</b>   |                                 |
| <b>Incident Summary:</b> UNKNOWN SOURCE:50L ACID SPILLED TO MUNICIPAL ROAD. |                                 |
| <b>Contaminant Qty:</b>   |                                 |

**Site:** UNKNOWN  
 OUTFLOW AT 31 ABBINGTON CRES, FLOWING INTO GRAHAM CREEK NEPEAN CITY ON

**Database:**  
 SPL

|  |                                 |
|--|---------------------------------|
| <b>Ref No:</b> 131634  | <b>Discharger Report:</b>       |
| <b>Site No:</b>  | <b>Material Group:</b>          |
| <b>Incident Dt:</b> 9/10/1996  | <b>Health/Env Conseq:</b>       |
| <b>Year:</b>   | <b>Client Type:</b>             |
| <b>Incident Cause:</b> UNKNOWN   | <b>Sector Type:</b>             |
| <b>Incident Event:</b>   | <b>Agency Involved:</b>         |
| <b>Contaminant Code:</b>   | <b>Nearest Watercourse:</b>     |
| <b>Contaminant Name:</b>   | <b>Site Address:</b>            |
| <b>Contaminant Limit 1:</b>  | <b>Site District Office:</b>    |
| <b>Contam Limit Freq 1:</b>  | <b>Site Postal Code:</b>        |
| <b>Contaminant UN No 1:</b>  | <b>Site Region:</b>             |
| <b>Environment Impact:</b> POSSIBLE  | <b>Site Municipality:</b> 20104 |
| <b>Nature of Impact:</b> Water course or lake                              | <b>Site Lot:</b>                |
| <b>Receiving Medium:</b> WATER   | <b>Site Conc:</b>               |
| <b>Receiving Env:</b>  | <b>Northing:</b>                |
| <b>MOE Response:</b>   | <b>Easting:</b> WORKS           |
| <b>Dt MOE Arvl on Scn:</b>   | <b>Site Geo Ref Accu:</b>       |
| <b>MOE Reported Dt:</b> 9/10/1996  | <b>Site Map Datum:</b>          |
| <b>Dt Document Closed:</b>   | <b>SAC Action Class:</b>        |
| <b>Incident Reason:</b> UNKNOWN  | <b>Source Type:</b>             |
| <b>Site Name:</b>  |                                 |
| <b>Site County/District:</b>   |                                 |
| <b>Site Geo Ref Meth:</b>  |                                 |
| <b>Incident Summary:</b> UNKNOWN SOURCE:FURNACE OIL FOUND IN GRAHAM CREEK. |                                 |
| <b>Contaminant Qty:</b>  |                                 |



**Site:** central transit way adjacent to hwy 417 between nicholas ave and lees ave Ottawa ON **Database:** SPL

**Ref No:** 8444-9FTKCZ **Discharger Report:**

**Site No:** **Material Group:**

**Incident Dt:** 2014/01/29 **Health/Env Conseq:**

**Year:** **Client Type:**

**Incident Cause:** Unknown / N/A **Sector Type:** Unknown / N/A

**Incident Event:** **Agency Involved:**

**Contaminant Code:** 99 **Nearest Watercourse:**

**Contaminant Name:** WATER **Site Address:** central transit way adjacent to hwy 417 between nicholas ave and lees ave

**Contaminant Limit 1:** **Site District Office:**

**Contam Limit Freq 1:** **Site Postal Code:**

**Contaminant UN No 1:** **Site Region:**

**Environment Impact:** Confirmed **Site Municipality:** Ottawa

**Nature of Impact:** Surface Water Pollution **Site Lot:**

**Receiving Medium:** **Site Conc:**

**Receiving Env:** **Northing:**

**MOE Response:** Referral to others **Easting:**

**Dt MOE Arvl on Scn:** **Site Geo Ref Accu:**

**MOE Reported Dt:** 2014/01/29 **Site Map Datum:**

**Dt Document Closed:** **SAC Action Class:** Land Spills

**Incident Reason:** Unknown / N/A **Source Type:**

**Site Name:** Construction job site<UNOFFICIAL>

**Site County/District:**

**Site Geo Ref Meth:**

**Incident Summary:** RW Tomlinson: Dewatering to CB,

**Contaminant Qty:** 200 L

**Site:** Loblaws Company East<UNOFFICIAL> **Database:** SPL  
Queensway, from Greenbank Exit to 1735 Iris Road (Pine Crest Shopping Centre - in front of IKEA)<UNOFFICIAL> Ottawa ON

**Ref No:** 6833-6H4GWP **Discharger Report:** 0

**Site No:** **Material Group:** Oil

**Incident Dt:** 10/12/2005 **Health/Env Conseq:**

**Year:** **Client Type:**

**Incident Cause:** Pipe Or Hose Leak **Sector Type:** Other Motor Vehicle

**Incident Event:** **Agency Involved:**

**Contaminant Code:** **Nearest Watercourse:**

**Contaminant Name:** DIESEL FUEL **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:** **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:** 10/12/2005 **Site Map Datum:**

**Dt Document Closed:** **SAC Action Class:** Land Spills

**Incident Reason:** Unknown - Reason not determined **Source Type:**

**Site Name:** Queensway, from Greenbank Exit to 1735 Iris Road

**Site County/District:**

**Site Geo Ref Meth:**

**Incident Summary:** Loblaws: 10 to 15 L diesel to road/parking lot

**Contaminant Qty:**

**Site:** STINSON FUELS **Database:** SPL  
MAIN STREET TANK TRUCK (CARGO) GLOUCESTER CITY ON

**Ref No:** 106562 **Discharger Report:**

**Site No:** **Material Group:**

**Incident Dt:** 10/21/1994  
**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:** Soil contamination  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 10/21/1994  
**Dt Document Closed:**  
**Incident Reason:** EQUIPMENT FAILURE  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** STINSON FUELS: 20 L FURNACE OIL TO LAND  
**Contaminant Qty:**

**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 20105  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** **TRANSPORT TRUCK**  
**EAST SIDE OF QUEENSWAY (HIGHWAY 417) BETWEEN MOODIE & EAGLESON ROADS. TRANSPORT TRUCK**  
**(CARGO) NEPEAN CITY ON**

**Database:**  
**SPL**

**Ref No:** 76887  
**Site No:**  
**Incident Dt:** 9/28/1992  
**Year:**  
**Incident Cause:** OTHER CONTAINER LEAK  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** NOT ANTICIPATED  
**Nature of Impact:** Soil contamination  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 9/28/1992  
**Dt Document Closed:**  
**Incident Reason:** UNKNOWN  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** TRANSPORT TRUCK-30 L DIESEL FUEL TO DITCH.  
**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:** 20104  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:** F.D., MTO  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** **Hawthorne Loop, Hawthorne Road and Hunt Club Road Ottawa ON**

**Database:**  
**SPL**

**Ref No:** 7717-A82GV5  
**Site No:** NA  
**Incident Dt:** 2016/03/14  
**Year:**  
**Incident Cause:**  
**Incident Event:** Leak/Break  
**Contaminant Code:** 27  
**Contaminant Name:** COOLANT N.O.S.  
**Contaminant Limit 1:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Miscellaneous Communal  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:** Hawthorne Loop, Hawthorne Road and Hunt Club Road  
**Site District Office:**

**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:**  
**Nature of Impact:**  
**Receiving Medium:**  
**Receiving Env:** Land  
**MOE Response:** No  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 2016/03/14  
**Dt Document Closed:**  
**Incident Reason:** Equipment Failure  
**Site Name:** Bus failure site<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** OC Transpo: 10 L coolant to road, CB, clng  
**Contaminant Qty:** 10 L

**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:** 5024679  
**Easting:** 453225  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Land Spills  
**Source Type:**

**Site:** OTTAWA POLICE SERVICE  
 CORNER OF CATHERINE AND ARGLE ST EAST SIDE BY VISITORS PARKING STORAGE TANK 474 ELGIN STREET  
 OTTAWA CITY ON **Database:** SPL

**Ref No:** 226654  
**Site No:**  
**Incident Dt:** 5/29/2002  
**Year:**  
**Incident Cause:** CONTAINER OVERFLOW  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** POSSIBLE  
**Nature of Impact:** Soil contamination  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 5/29/2002  
**Dt Document Closed:**  
**Incident Reason:** CARELESS APPLICATION  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** OTTAWA POLICE SURVICE:200L WASTE OIL TO GRD, CONT-AINED AND CLEANING  
**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:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** lot 28 con 1 OSGOODE ON **Database:** WWIS

**Well ID:** 1534972  
**Construction Date:**  
**Primary Water Use:**  
**Sec. Water Use:**  
**Final Well Status:**  
**Water Type:**  
**Casing Material:**  
**Audit No:** Z13740  
**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:** 9/10/2004  
**Selected Flag:** Yes  
**Abandonment Rec:**  
**Contractor:** 1558  
**Form Version:** 3  
**Owner:**  
**Street Name:** 5590 OSGOODE MAIN STREET  
**County:** OTTAWA-CARLETON  
**Municipality:** OSGOODE TOWNSHIP  
**Site Info:**  
**Lot:** 028  
**Concession:** 01  
**Concession Name:** CON  
**Easting NAD83:**  
**Northing NAD83:**

Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 11172724  
DP2BR:  
Spatial Status:  
Code OB: -  
Code OB Desc: No formation data  
Open Hole:  
Cluster Kind:  
Date Completed: 8/24/2004  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

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

**Annular Space/Abandonment  
Sealing Record**

Plug ID: 933253146  
Layer: 1  
Plug From: 49.67  
Plug To: 0  
Plug Depth UOM: m

**Pipe Information**

Pipe ID: 11181243  
Casing No: 1  
Comment:  
Alt Name:

**Site:**  
Ottawa ON

**Database:**  
WWIS

Well ID: 7178831  
Construction Date:  
Primary Water Use:  
Sec. Water Use:  
Final Well Status: Abandoned-Other  
Water Type:  
Casing Material:  
Audit No: Z134669  
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:  
Date Received: 4/2/2012  
Selected Flag: Yes  
Abandonment Rec: Yes  
Contractor: 6964  
Form Version: 7  
Owner:  
Street Name: 101 COLONEL BY DRIVE  
County:  
Municipality:  
Site Info:  
Lot:  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 1003707705  
DP2BR:

Elevation:  
Elevrc:

**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 3/23/2012  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

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

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 1004236247  
**Layer:** 2  
**Plug From:** 0.05  
**Plug To:** 0.9  
**Plug Depth UOM:** m

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 1004236248  
**Layer:** 3  
**Plug From:** 0.9  
**Plug To:** 5.18  
**Plug Depth UOM:** m

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 1004236246  
**Layer:** 1  
**Plug From:** 0  
**Plug To:** 0.05  
**Plug Depth UOM:** m

**Pipe Information**

**Pipe ID:** 1004236239  
**Casing No:** 0  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 1004236243  
**Layer:**  
**Material:**  
**Open Hole or Material:**  
**Depth From:**  
**Depth To:**  
**Casing Diameter:**  
**Casing Diameter UOM:** cm  
**Casing Depth UOM:** m

**Construction Record - Screen**

**Screen ID:** 1004236244  
**Layer:**  
**Slot:**

**Screen Top Depth:**  
**Screen End Depth:**  
**Screen Material:**  
**Screen Depth UOM:** m  
**Screen Diameter UOM:** cm  
**Screen Diameter:**

**Hole Diameter**

**Hole ID:** 1004236241  
**Diameter:**  
**Depth From:**  
**Depth To:**  
**Hole Depth UOM:** m  
**Hole Diameter UOM:** cm

## 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 2018**

### **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**

### **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-Jan 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

List of commercial underground fuel oil tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Note: the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of commercial fuel tanks in the province. The TSSA updates information in its system on an ongoing basis; 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: 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-Jan 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 - Mar 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-May 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-Jun 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 - Oct 2018**

**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-Jun 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-Jun 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-Jun 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-Apr 30, 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 TSSA Expired Facilities:**

Provincial [EXP](#)

List of facilities and tanks - for which there was once a registration - no longer registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed from the ground are included in the expired facilities inventory held by the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

**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-May 2019**

**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 made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel storage tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

**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-Mar 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 CO<sub>2</sub> 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\***

**TSSA Incidents:**

Provincial

INC

List of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC) and made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors, and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

**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 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-Dec 31, 2018**

**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](http://www.nickles.com).

**Government Publication Date: 1988-May 31, 2019**

**Ontario Oil and Gas Wells:**

Provincial

OGGW

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-May 2018**

**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-Jun 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-Mar 2019**

**TSSA Pipeline Incidents:**

Provincial [PINC](#)

List of pipeline incidents (strikes, leaks, spills) made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), 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 pipeline incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

**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-Jun 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-May 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-Jan 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-Feb 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**

**TSSA Variances for Abandonment of Underground Storage Tanks:**

Provincial **VAR**

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all 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. This is not a comprehensive or complete inventory of tank variances in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

**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: Oct 2011-Jun 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 C**

## **FIRE INSURANCE PLANS**

**Phase I Environmental Site Assessment**

**20-22 Hawthorne Avenue**

**Ottawa, Ontario**

**BDC1148**



# enviroscan



An SCM Company

175 Commerce Valley Drive W  
Markham, Ontario L3T 7Z3

T: 905-882-6300  
W: [www.optaintel.ca](http://www.optaintel.ca)

Report Completed By:

**Anthony**

Site Address:

**24 Hawthorne Avenue Ottawa ON**

Project No:

**20190618276**

Opta Order ID:

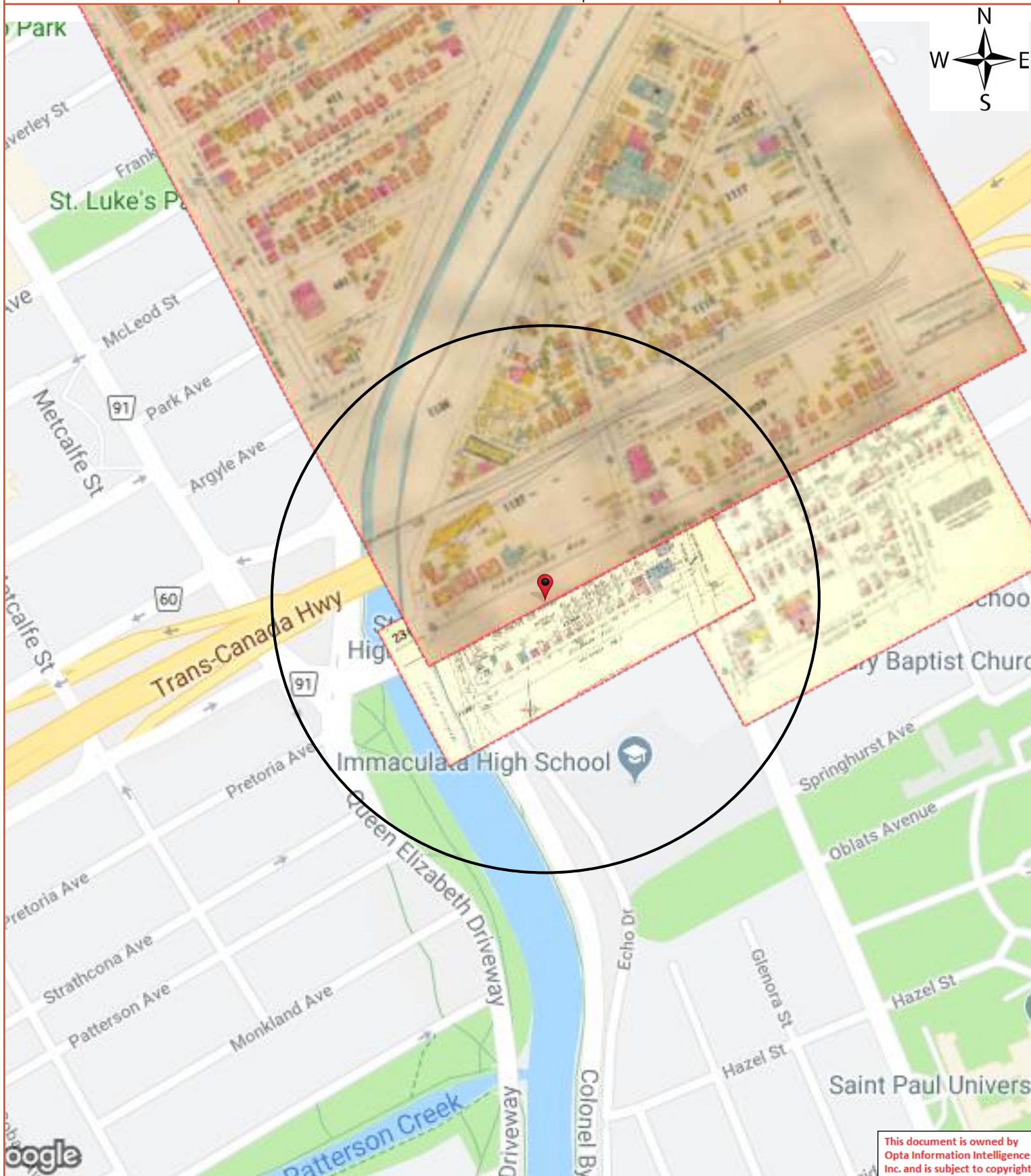
**62635**

Requested by:

**Eleanor Goolab  
Ecolog ERIS**

Date Completed:

**6/27/2019 5:10:15 AM**



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## Opta Historical Environmental Services Enviroscan<sup>TM</sup> Terms and Conditions

### Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Opta's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

### Disclaimer

Opta disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Opta Reports or from any tortious acts or omissions of Opta's agents, employees or representatives.

### Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

### Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

### Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

**Report Index**

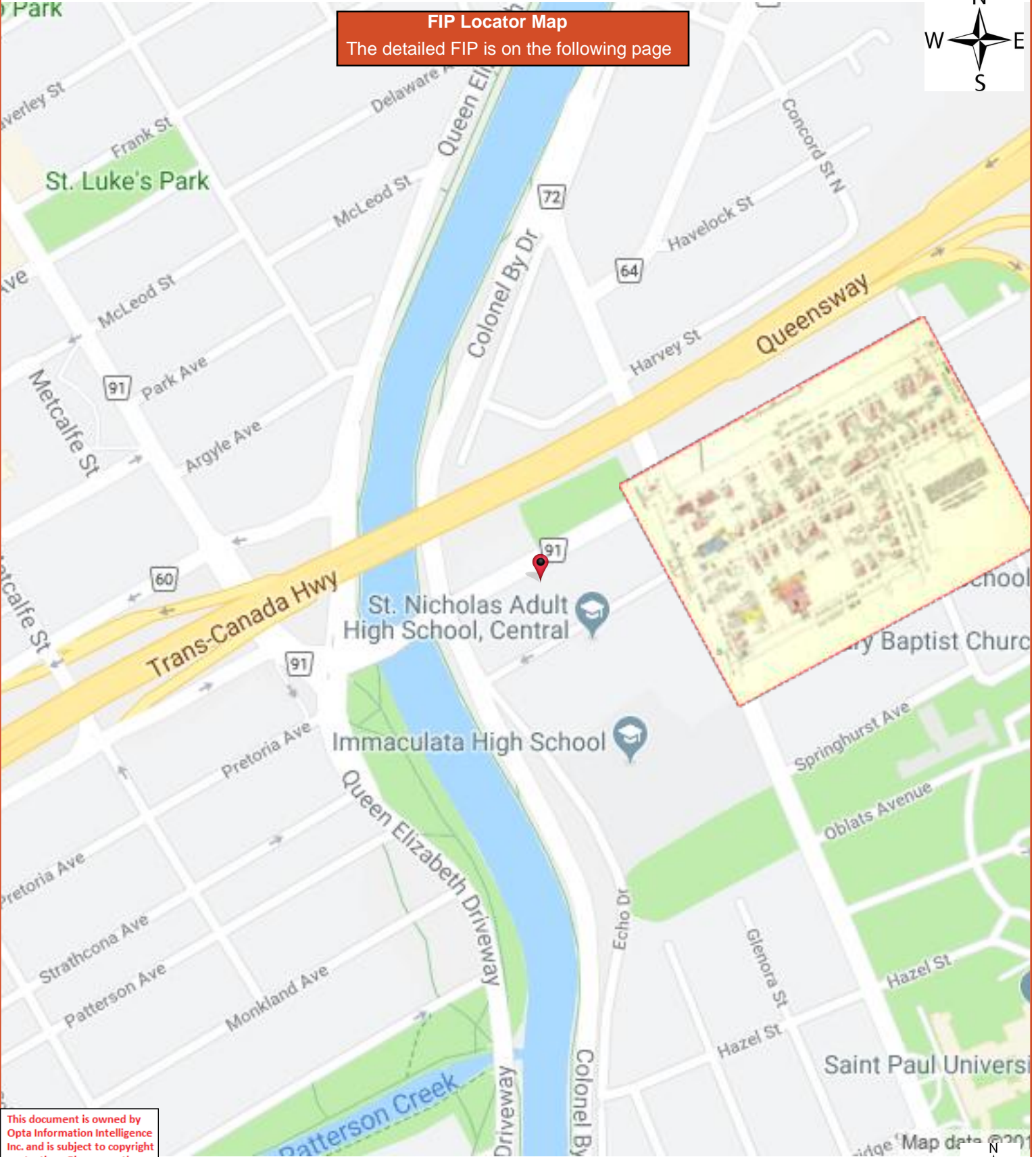
Project #: 20190618276  
P.O. #: BDC1148

**Requested by:**  
Eleanor Goolab  
Date Completed: 06/27/2019 05:10:15

OPTA INFORMATION INTELLIGENCE

| <b>Page</b> | <b>Report Title</b>                           |
|-------------|---|
| 6           | (1958) Volume: Ottawa Volume 2 Firemap: 236-1 |
| 8           | (1958) Volume: Ottawa Volume 2 Firemap: 236-1 |
| 10          | (1948) Volume: Ottawa Firemap: 125            |

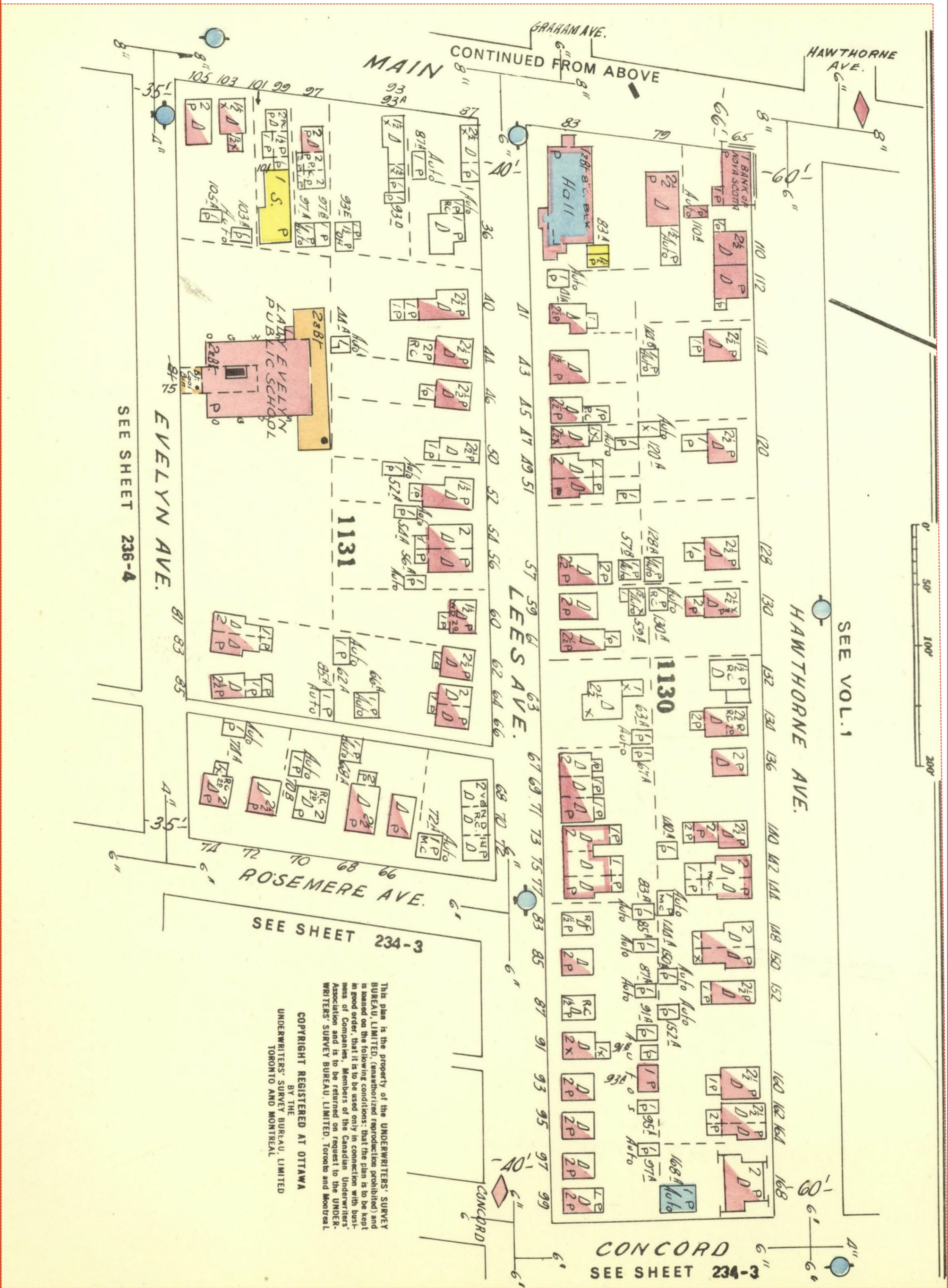




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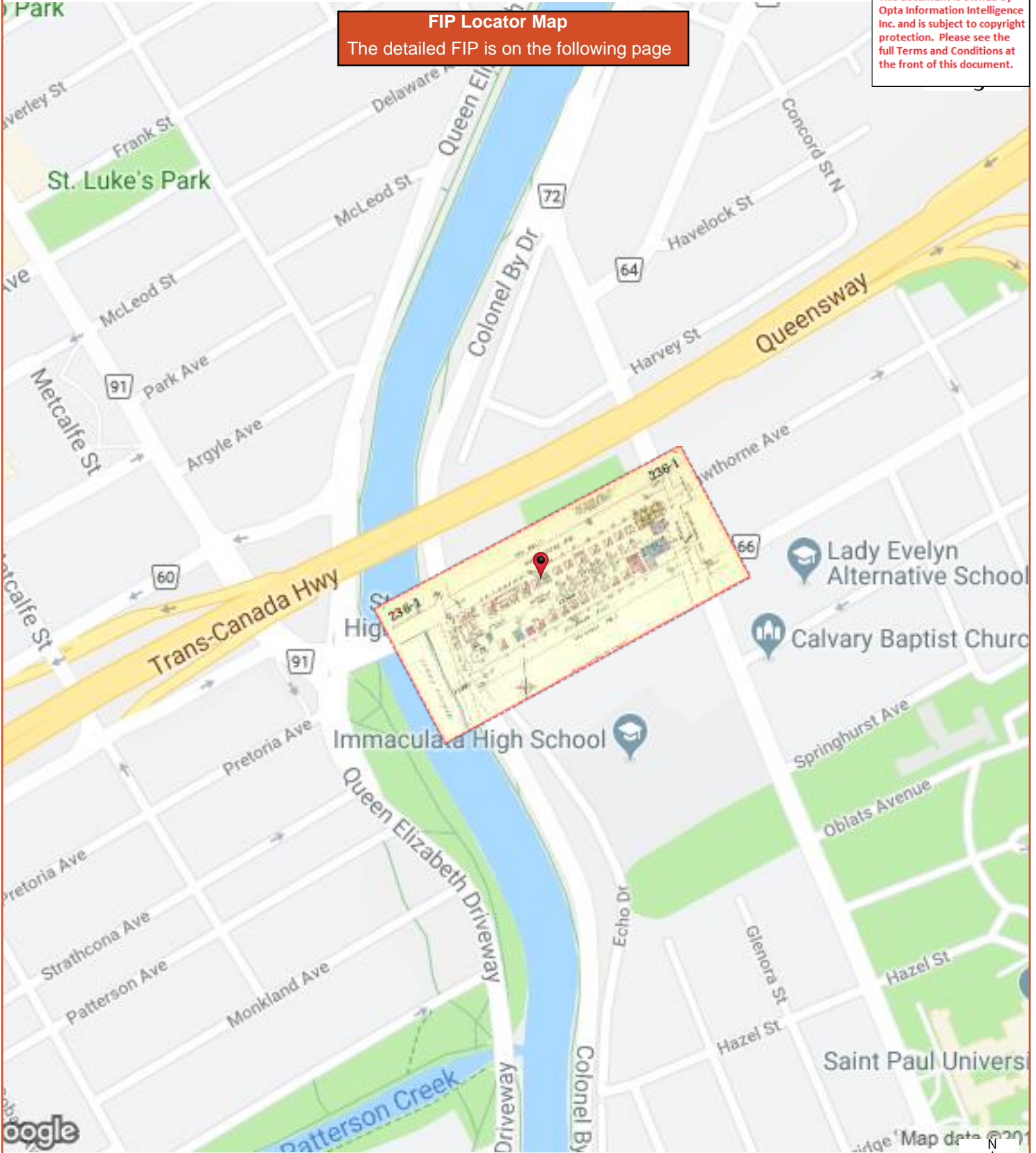
This plan is the property of the UNDERWRITERS' SURVEY BUREAU, LIMITED. (reauthorized reproduction prohibited) and is loaned on the following conditions: that the plan is to be kept in good order, that it is to be used only in connection with business of Companies, Members of the Canadian Underwriters' Association and is to be returned on request to the UNDERWRITERS' SURVEY BUREAU, LIMITED, Toronto and Montreal.

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 BY THE  
 UNDERWRITERS' SURVEY BUREAU, LIMITED  
 TORONTO AND MONTREAL



**FIP Locator Map**  
The detailed FIP is on the following page

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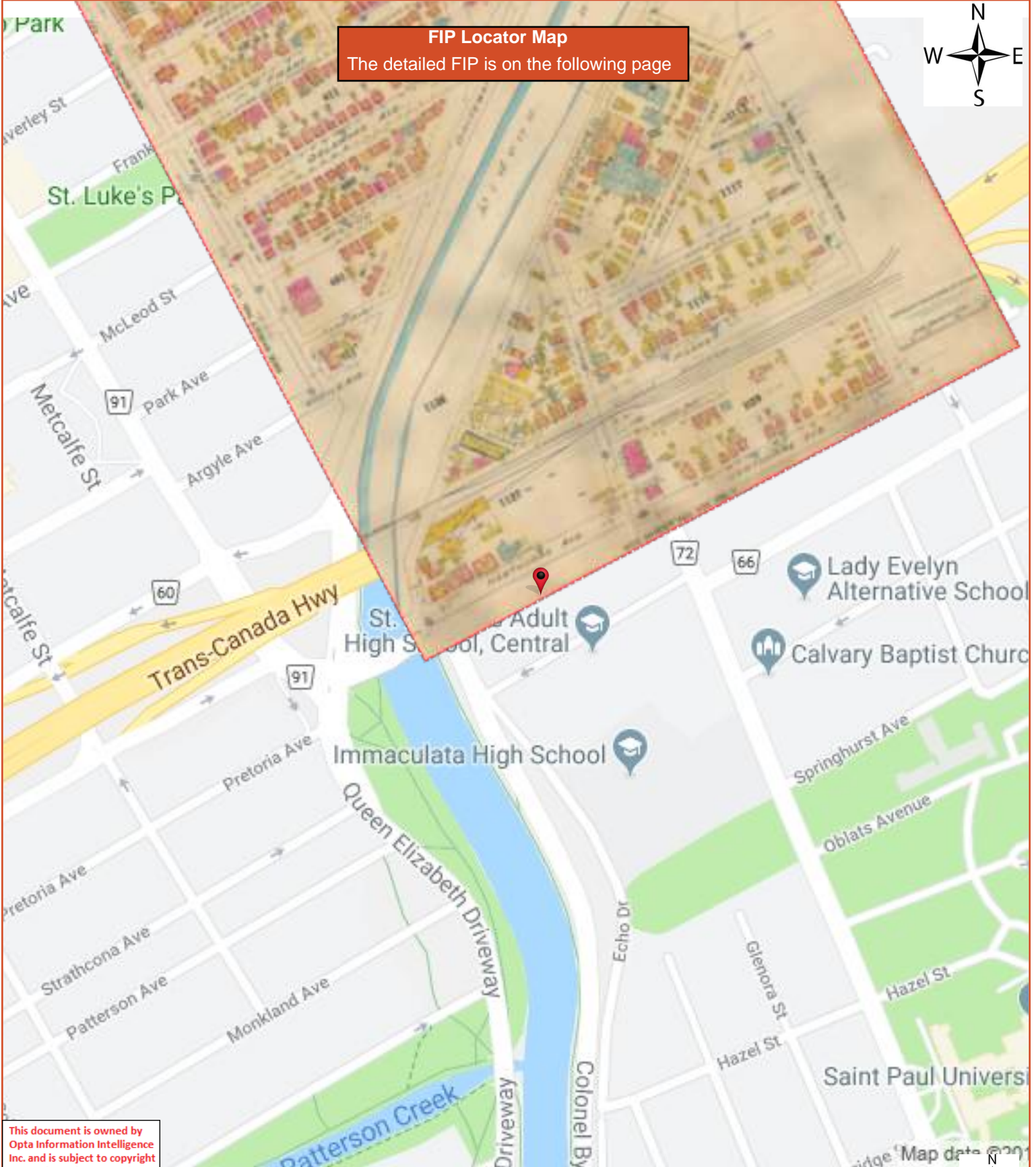








**FIP Locator Map**  
The detailed FIP is on the following page



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# **APPENDIX D**

## **TITLE SEARCH**

**Phase I Environmental Site Assessment**

**20-22 Hawthorne Avenue**

**Ottawa, Ontario**

**BDC1148**

LAND  
REGISTRY  
OFFICE #4

04126-0013 (LT)

PAGE 1 OF 1  
PREPARED FOR EEGOOLAB  
ON 2019/07/30 AT 12:02:51

\* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT \*

PROPERTY DESCRIPTION: LT 4, PL 220 ; PT LT 5, PL 220 , AS IN CR453033, S/T & T/W CR245018 ; OTTAWA/NEPEAN

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE  
LT CONVERSION QUALIFIED

RECENTLY:

FIRST CONVERSION FROM BOOK 154

PIN CREATION DATE:

1996/12/16

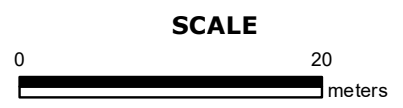
OWNERS' NAMES

ZELMA PALEF HOLDINGS LIMITED

CAPACITY SHARE

TRST

| REG. NUM.               | DATE   | INSTRUMENT TYPE     | AMOUNT  | PARTIES FROM | PARTIES TO                   | CERT/CHKD |
|-------------------------|--|---------------------|---|--------------|------------------------------|-----------|
| **EFFECTIVE             | 2000/07/29   | THE NOTATION OF THE | "BLOCK IMPLEMENTATION DATE" OF 1996/12/16 ON THIS PIN** |              |                              |           |
| **WAS REPLACED WITH THE | "PIN CREATION DATE"  | OF 1996/12/16**     |   |              |                              |           |
| ** PRINTOUT             | INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **  |                     |   |              |                              |           |
| **SUBJECT,              | ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:   |                     |   |              |                              |           |
| **                      | SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES * |                     |   |              |                              |           |
| **                      | AND ESCHEATS OR FORFEITURE TO THE CROWN.   |                     |   |              |                              |           |
| **                      | THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF    |                     |   |              |                              |           |
| **                      | IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY             |                     |   |              |                              |           |
| **                      | CONVENTION.  |                     |   |              |                              |           |
| **                      | ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.                                       |                     |   |              |                              |           |
| **DATE OF CONVERSION TO | LAND TITLES: 1996/12/16 **   |                     |   |              |                              |           |
| OC962604                | 2009/03/24   | TRANSFER            |   | PALEF, ZELMA | ZELMA PALEF HOLDINGS LIMITED | C         |



**PROPERTY INDEX MAP**  
OTTAWA-CARLETON(No. 04)

**LEGEND**

|                                  |       |
|----------------------------------|-------|
| FREEHOLD PROPERTY                |       |
| LEASEHOLD PROPERTY               |       |
| LIMITED INTEREST PROPERTY        |       |
| CONDOMINIUM PROPERTY             |       |
| RETIRED PIN (MAP UPDATE PENDING) |       |
| PROPERTY NUMBER                  | 0449  |
| BLOCK NUMBER                     | 08050 |
| GEOGRAPHIC FABRIC                |       |
| EASEMENT                         |       |

**THIS IS NOT A PLAN OF SURVEY**

**NOTES**

**REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS**

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED



# **APPENDIX E**

## **CITY DIRECTORY SEARCH**

**Phase I Environmental Site Assessment**

**20-22 Hawthorne Avenue**

**Ottawa, Ontario**

**BDC1148**



**ERIS**  
ENVIRONMENTAL RISK INFORMATION SERVICES



---

CITY  
**DIRECTORY**

**Project Property:** *20-22 Hawthorne Avenue, Ottawa, Ontario*  
**Report Type:** *City Directory*  
**Order No:** *20190724153*  
**Information Source:** *Vernon's Ottawa and Area, Ontario City Directory*  
**Date Completed:** *24/07/2019*

**Environmental Risk Information Services**

A division of Glacier Media Inc.

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

|  |  |
|--|--|
| <b>City Directory Information Source</b>         |  |
| Vernon's Ottawa and Area, Ontario City Directory |  |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER:</b> 20190724153 |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year:</b> 2011                  |   |
|                                    |   |
| <b>Site Listing:</b>               | -Address Not Listed                     |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER:</b> 20190724153 |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year:</b> 2006/07               |   |
|                                    |   |
| <b>Site Listing:</b>               | -Address Not Listed                     |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER:</b> 20190724153 |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year:</b> 2001/02               |   |
|                                    |   |
| <b>Site Listing:</b>               | -Residential (2 Tenants)                |

|                                    |  |
|------------------------------------|--|
| <b>PROJECT NUMBER:</b> 20190724153 |  |
|------------------------------------|--|

|                      |   |
|----------------------|---|
| <b>Site Address:</b> | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                      |   |
| <b>Year: 1996/97</b> |   |
|                      |   |
| <b>Site Listing:</b> | -Residential (2 Tenants)                |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER: 20190724153</b> |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year: 1992</b>                  |   |
|                                    |   |
| <b>Site Listing:</b>               | -Residential (2 Tenants)                |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER: 20190724153</b> |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year: 1987</b>                  |   |
|                                    |   |
| <b>Site Listing:</b>               | -Residential (2 Tenants)                |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER: 20190724153</b> |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year: 1981/82</b>               |   |
|                                    |   |

|                      |                          |
|----------------------|--------------------------|
| <b>Site Listing:</b> | -Residential (2 Tenants) |
|----------------------|--------------------------|

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER:</b> 20190724153 |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year:</b> 1976                  |   |
|                                    |   |
| <b>Site Listing:</b>               | -Residential (2 Tenants)                |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER:</b> 20190724153 |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year:</b> 1971                  |   |
|                                    |   |
| <b>Site Listing:</b>               | -Residential (2 Tenants)                |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER:</b> 20190724153 |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year:</b> 1966                  |   |
|                                    |   |
| <b>Site Listing:</b>               | -Residential (2 Tenants)                |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER:</b> 20190724153 |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |

|                      |                          |
|----------------------|--------------------------|
|                      |                          |
| <b>Year: 1961</b>    |                          |
|                      |                          |
| <b>Site Listing:</b> | -Residential (2 Tenants) |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER: 20190724153</b> |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year: 1956</b>                  |   |
|                                    |   |
| <b>Site Listing:</b>               | -Residential (2 Tenants)                |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER: 20190724153</b> |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year: 1951</b>                  |   |
|                                    |   |
| <b>Site Listing:</b>               | -Residential (2 Tenants)                |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER: 20190724153</b> |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year: 1946</b>                  |   |
|                                    |   |
| <b>Site Listing:</b>               | -Residential (2 Tenants)                |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER:</b> 20190724153 |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year:</b> 1941                  |   |
|                                    |   |
| <b>Site Listing:</b>               | -Residential (2 Tenants)                |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER:</b> 20190724153 |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year:</b> 1936                  |   |
|                                    |   |
| <b>Site Listing:</b>               | -Residential (2 Tenants)                |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER:</b> 20190724153 |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year:</b> 1931                  |   |
|                                    |   |
| <b>Site Listing:</b>               | -Residential (2 Tenants)                |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER:</b> 20190724153 |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year:</b> 1926                  |   |

|                      |                          |
|----------------------|--------------------------|
|                      |                          |
| <b>Site Listing:</b> | -Residential (2 Tenants) |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER:</b> 20190724153 |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year:</b> 1921                  |   |
|                                    |   |
| <b>Site Listing:</b>               | -Residential (2 Tenants)                |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER:</b> 20190724153 |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year:</b> 1916                  |   |
|                                    |   |
| <b>Site Listing:</b>               | -Residential (2 Tenants)                |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER:</b> 20190724153 |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year:</b> 1911                  |   |
|                                    |   |
| <b>Site Listing:</b>               | -Residential (2 Tenants)                |

|                                    |  |
|------------------------------------|--|
| <b>PROJECT NUMBER:</b> 20190724153 |  |
|------------------------------------|--|



|                      |   |
|----------------------|---|
| <b>Site Address:</b> | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                      |   |
| <b>Year: 1906</b>    |   |
|                      |   |
| <b>Site Listing:</b> | -Street Not Listed                      |

|                                    |   |
|------------------------------------|---|
| <b>PROJECT NUMBER: 20190724153</b> |   |
| <b>Site Address:</b>               | 20-22 Hawthorne Avenue, Ottawa, Ontario |
|                                    |   |
| <b>Year: 1901</b>                  |   |
|                                    |   |
| <b>Site Listing:</b>               | -Street Not Listed                      |

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory.

# **APPENDIX F**

## **FREEDOM OF INFORMATION REQUEST**

**Phase I Environmental Site Assessment**

**20-22 Hawthorne Avenue**

**Ottawa, Ontario**

**BDC1148**

Freedom of Information and  
Protection of Privacy Office  
40 St. Clair Avenue West, 12<sup>th</sup> Floor  
Toronto ON M4V 1M2  
Telephone 416 314-4075

**Instructions**

Use this form to request records that are in the Ministry's files on environmental concerns related to properties. Our fax number is 416 314-4285.

**For Ministry Use Only**

|  |  |
|--|--|
| FOI Request Number   | Date Request Received (yyyy/mm/dd)   |
| Fee Paid   | <input type="checkbox"/> Cheque <input type="checkbox"/> VISA/MC <input type="checkbox"/> Cash/Money Order |
| <input type="checkbox"/> CNR <input type="checkbox"/> ER <input type="checkbox"/> NOR <input type="checkbox"/> SWR <input type="checkbox"/> WCR <input type="checkbox"/> IEB <input type="checkbox"/> EAA <input type="checkbox"/> EMR <input type="checkbox"/> SCB <input type="checkbox"/> SDW |  |

**1. Requester Data**

|                       |  |                     |
|-----------------------|--|---------------------|
| Last Name<br>Cochrane | First Name<br>Bruce                    | Middle Initial<br>D |
| Title<br>Principal    | Company Name<br>CM3 Environmental Inc. |                     |

**Mailing Address**

|   |                                  |                           |                            |
|---|----------------------------------|---------------------------|----------------------------|
| Unit Number                                 | Street Number<br>5710            | Street Name<br>Akins Road | PO Box                     |
| City/Town<br>Ottawa                         | Province<br>Ontario              | Postal Code<br>K2S 1B8    |                            |
| Email Address<br>bruce@cm3environmental.com | Telephone Number<br>613 838-2323 | ext.                      | Fax Number<br>613 838-2717 |

|                                     |   |
|-------------------------------------|---|
| Project/Reference Number<br>BDC1148 | Signature of Requester<br><i>Bruce Coch</i> |
|-------------------------------------|---|

**2. Request Parameters**

**Municipal Address** (Municipal address mandatory for cities, towns or regions)

|                             |                        |                                 |        |
|-----------------------------|------------------------|---------------------------------|--------|
| Unit Number                 | Street Number<br>20-22 | Street Name<br>Hawthorne Avenue | PO Box |
| Lot Number                  | Concession             | Geographic Township             |        |
| City/Town/Village<br>Ottawa | Province<br>Ontario    | Postal Code<br>K1S 0B1          |        |

**Present Property**

|                               |  |
|-------------------------------|--|
| 1. Owner<br>Marilyn Steinberg | Date of Ownership (yyyy/mm/dd)<br>2019/07/25 |
| Tenant (if applicable)        |  |

**Previous Property**

|                        |                                |
|------------------------|--------------------------------|
| 1. Owner               | Date of Ownership (yyyy/mm/dd) |
| Tenant (if applicable) |                                |

### 3. Search Parameters

| Search Parameters   | Specify Year(s) Requested |
|---|---------------------------|
| Environmental concerns (General correspondence, occurrence reports, abatement)  | 2016                      |
| Orders  | 2016                      |
| Spills  |                           |
| Investigations/prosecutions ► Owner and tenant information must be provided   |                           |
| Waste Generator number/classes  |                           |
| Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located. |                           |

### 4. Environmental Compliance Approvals/Certificates of Approval

| Environmental Compliance Approvals/Certificates of Approval  | SD                       | Specify Year(s) Requested |
|--|--------------------------|---------------------------|
| air - emissions  | <input type="checkbox"/> |                           |
| renewable energy   | <input type="checkbox"/> |                           |
| water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)        | <input type="checkbox"/> |                           |
| sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations            | <input type="checkbox"/> |                           |
| waste water - industrial discharge   | <input type="checkbox"/> |                           |
| waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites                   | <input type="checkbox"/> |                           |
| waste systems - haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, PCB destruction | <input type="checkbox"/> |                           |

Proponent information must be provided and Environmental Compliance Approval/Certificate of Approval number(s) (if known). 1985 and prior records are searched manually. Search fees in excess of \$300.00 may be incurred, depending on the types and years to be searched. Specify Approval number(s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, reports, etc.

# **APPENDIX G**

## **AERIAL PHOTOGRAPHS**

**Phase I Environmental Site Assessment**

**20-22 Hawthorne Avenue**

**Ottawa, Ontario**

**BDC1148**

Air photographs not included due to copyright

**APPENDIX H**  
**ERIS PHYSICAL SETTING REPORT**

**Phase I Environmental Site Assessment**

**20-22 Hawthorne Avenue**

**Ottawa, Ontario**

**BDC1148**





## Property Information

Order Number: 20190618276p  
 Date Completed: June 25, 2019  
 Project Number: BDC1148  
 Project Property: BDC1148  
 24 Hawthorne Avenue Ottawa ON K1S 0B1  
 Coordinates:  
 Latitude: 45.41201  
 Longitude: -75.6816088  
 UTM Northing: 5028947.08462 Metres  
 UTM Easting: 446665.219521 Metres  
 UTM Zone: UTM Zone 18T  
 Elevation: 70.88 m  
 Slope Direction: N

Property Information.....1  
 Topographic Information.....2  
 Hydrologic Information.....4  
 Geologic Information.....5  
 Soil Information.....10  
 Wells and Additional Sources.....13  
 Report Summary.....14  
 Detail Report.....16  
 Radon Information.....98  
 Area of Natural and Scientific Interest.....99  
 Appendix.....101  
 Liability Notice.....103

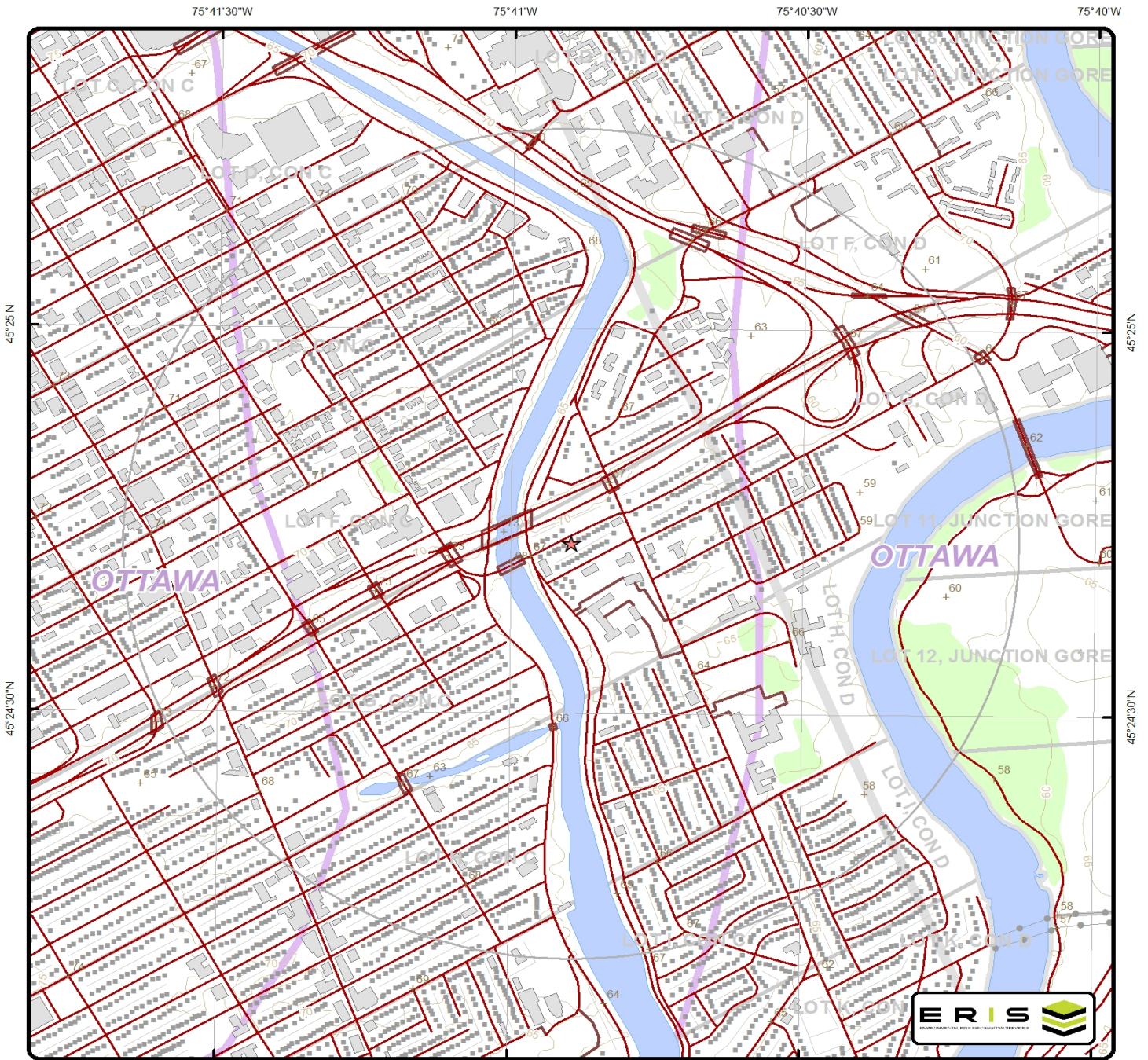
The ERIS **Physical Setting Report - PSR** provides comprehensive information about the physical setting around a site and includes a complete overview of topography as well as hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

### Disclaimer

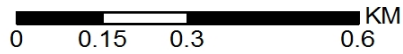
This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

# Topographic Information



## Topographic Map

Address: 24 Hawthorne Avenue, Ottawa, ON



|                       |                            |                  |                          |
|-----------------------|----------------------------|------------------|--------------------------|
| + Spot Height (metre) | — Transportation Structure | — Contour Line   | ■ Wooded Area            |
| • Building Point      | • Utility Line             | □ Pit or Quarry  | ■ Conservation Authority |
| ⚡ Towers              | — Water Structure          | ■ Waterbody      | ■ Conservation Area      |
| • Utility Site Point  | — Drainage Line Feature    | ■ Wetlands       | ■ Municipal Park         |
| — Misc. Line          | — River or Stream          | ■ Concession     | ■ Provincial Park        |
| — Railroads           | □ Airports                 | ■ Lots           | ■ National Park          |
| — Roads               | ■ Tanks                    | ■ Municipality   | ■ Nature Reserve         |
| - - - Trail           | ■ Building to Scale        | ■ Land Ownership |                          |

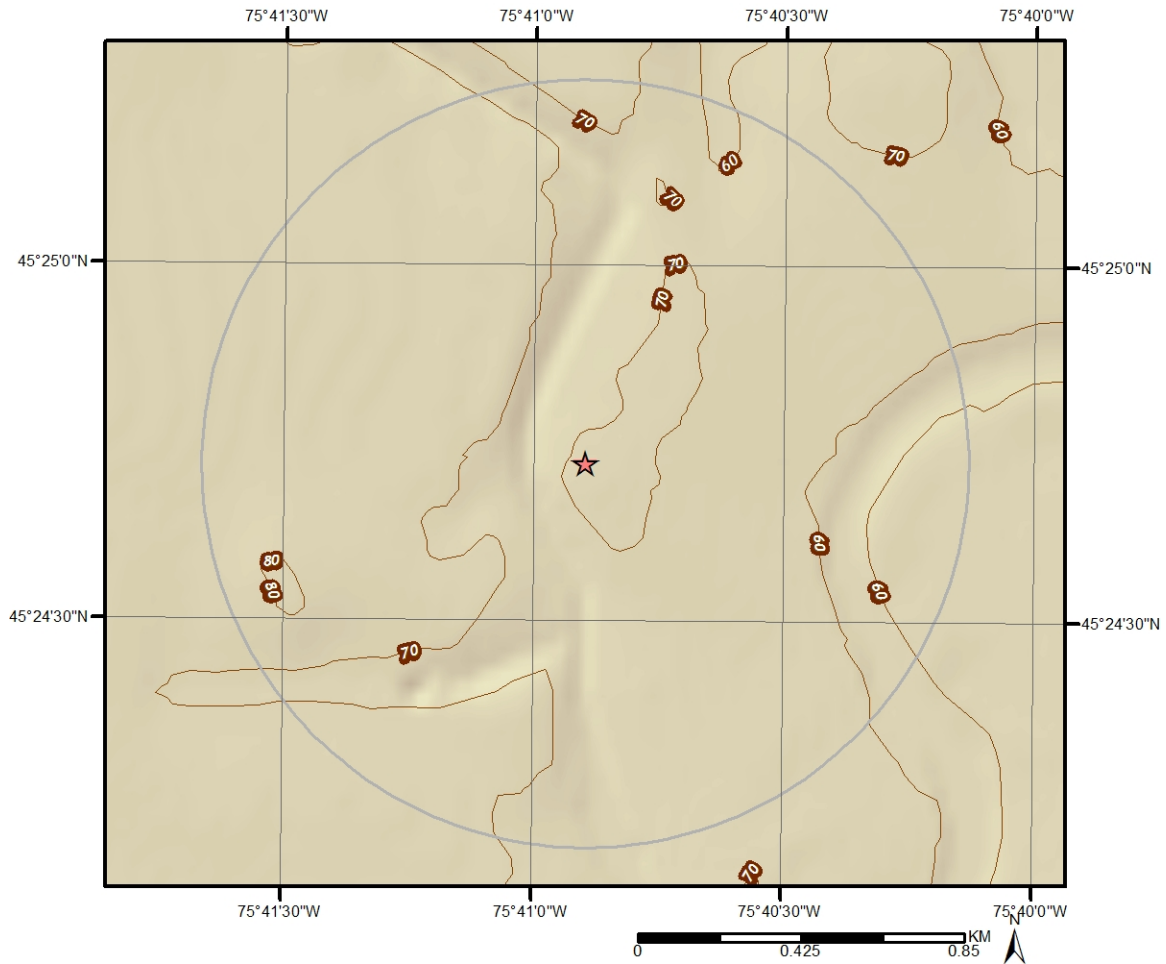
Data source: Ontario Base Mapping (OBM) by Ontario Ministry of Natural Resources.

# Topographic Information

The previous topographic map(s) show general topographic information in the surrounding area of the project property, using Toporama data or a provincial source when available. Below are shaded relief map(s), derived from Digital Elevation data to depict terrain in further detail.

Topographic information at project property:

Elevation: 70.88 m  
Slope Direction: N







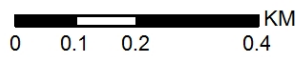
# Hydrologic Information



## Wetland

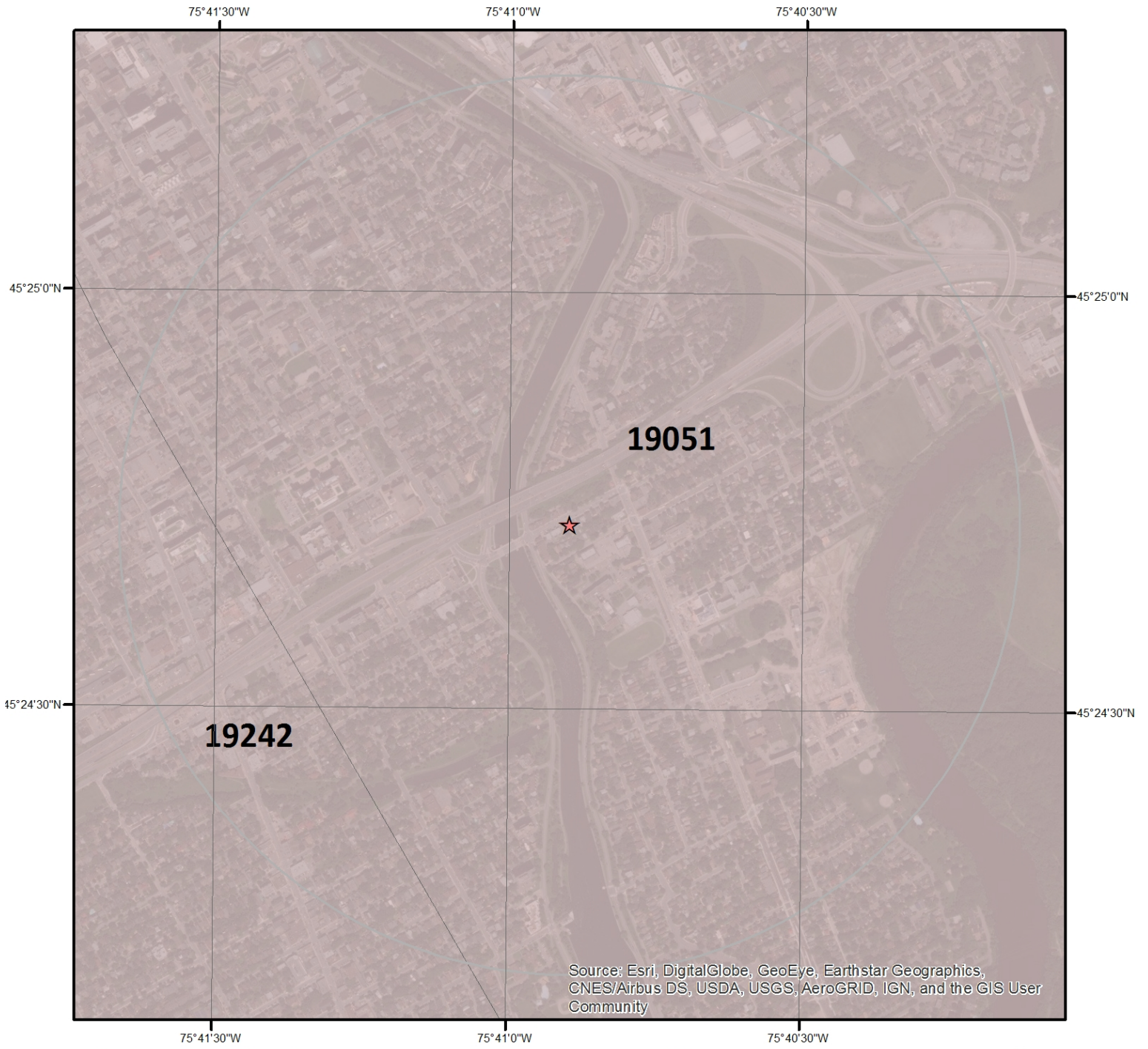
This map shows wetland existence. Data coverage is shown to the right. Gray indicates no data available in the area.

-  Marsh
-  Swamp



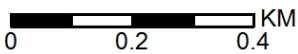


# Geologic Information



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

## Bedrock Geology



This map shows bedrock geologic units in the area. Please refer to the report for detailed descriptions. Data coverage is shown to the right. Gray indicates no data available in the area.

## Geologic Information

Detailed bedrock geology information about each unit within the search radius is provided below.

---

### Unit ID 19051

Unit Name:  
Rock Type: Shale, limestone, dolostone, siltstone  
Strata: Georgian Bay Formation; Blue Mountain Formation; Billings Formation; Collingwood Member; Eastview Member  
Super Eon:  
Eon: PHANEROZOIC (Present to 542.0 Ma)  
Era: PALEOZOIC (251.0 Ma to 542.0 Ma)  
Period: ORDOVICIAN (443.7 Ma to 488.3 Ma)  
Epoch: UPPER ORDOVICIAN  
Province:  
Tectonic Zone:

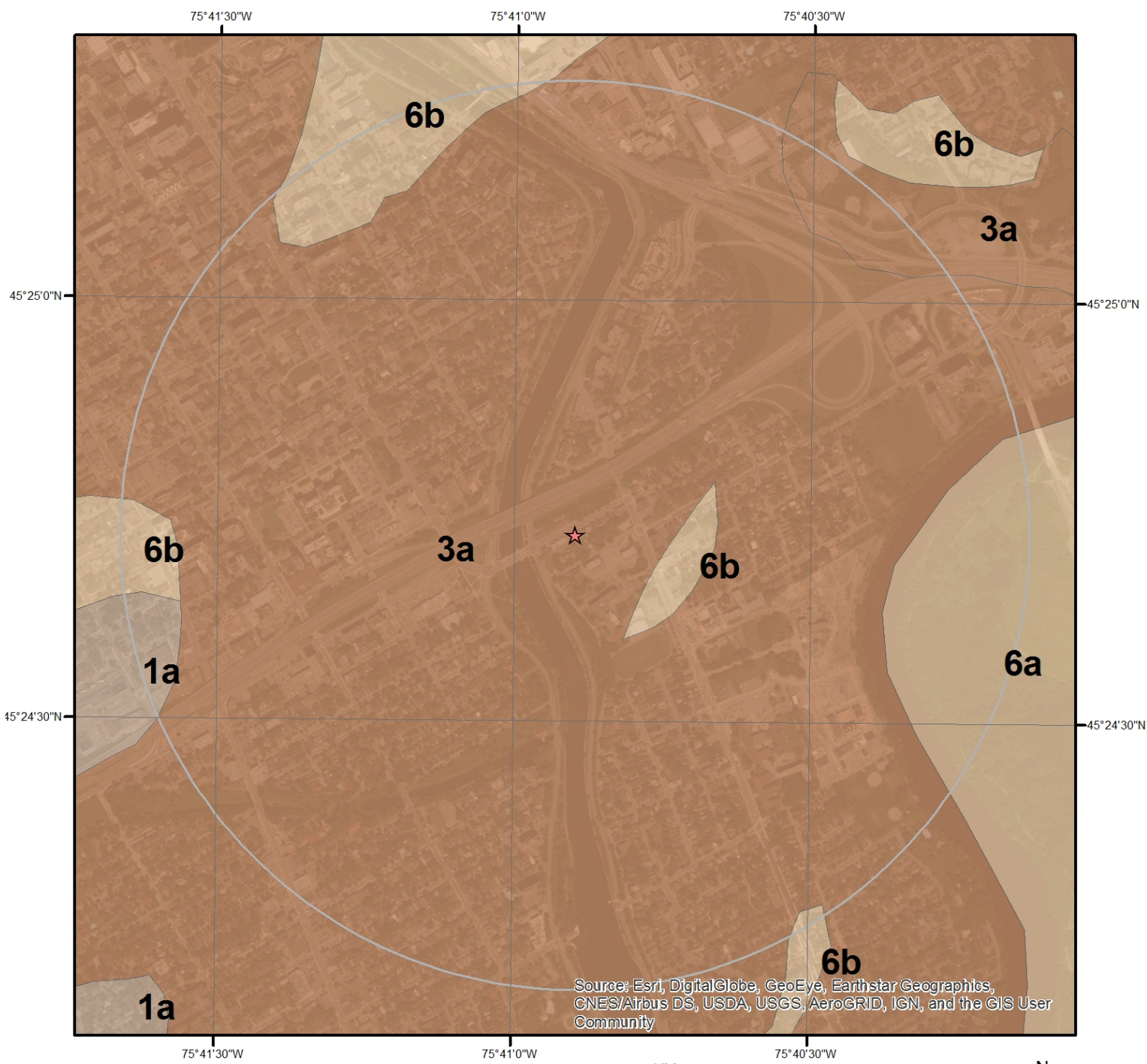
---

### Unit ID 19242

Unit Name:  
Rock Type: Limestone, dolostone, shale, arkose, sandstone  
Strata: Ottawa Group; Simcoe Group; Shadow Lake Formation  
Super Eon:  
Eon: PHANEROZOIC (Present to 542.0 Ma)  
Era: PALEOZOIC (251.0 Ma to 542.0 Ma)  
Period: ORDOVICIAN (443.7 Ma to 488.3 Ma)  
Epoch: MIDDLE ORDOVICIAN (now considered UPPER DEVONIAN)  
Province:  
Tectonic Zone:

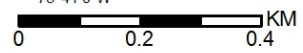


# Geologic Information



## Surficial Geology

This map shows surficial geologic labels in the area. Please refer to the report for detailed descriptions. Data coverage is shown to the right. Gray indicates no data available in the area.





## Geologic Information

Detailed surficial geology information about each unit within the search radius is provided below.

---

### Unit ID 3a

|                           |   |
|---------------------------|---|
| Geological Deposit:       | Offshore marine deposits  |
| Deposit Age:              | Quaternary (Champlain Sea)  |
| Primary Material:         | clay, silt  |
| Secondary Material:       |   |
| Primary General:          | glaciomarine  |
| Primary General Modifier: | foreshore/basinal   |
| Veneer:                   | silt, sand  |
| Episode:                  | Wisconsin   |
| Sub Episode:              | Michigan  |
| Strata Modifier:          | Surface   |
| Provenance:               |   |
| Carbon Content:           |   |
| Formation:                |   |
| Permeability:             | Low   |
| Material Description:     | Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform blue-grey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were formed during terrace (or channel) cutting. |

---

### Unit ID 6b

|                           |   |
|---------------------------|---|
| Geological Deposit:       | Alluvial deposits   |
| Deposit Age:              | Recent  |
| Primary Material:         | sand  |
| Secondary Material:       | silt  |
| Primary General:          | fluvial   |
| Primary General Modifier: | abandoned floodplain  |
| Veneer:                   |   |
| Episode:                  | Hudson  |
| Sub Episode:              |   |
| Strata Modifier:          | Surface   |
| Provenance:               |   |
| Carbon Content:           |   |
| Formation:                |   |
| Permeability:             | Variable  |
| Material Description:     | Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels. |

---

### Unit ID 1a

|                     |            |
|---------------------|------------|
| Geological Deposit: | Till       |
| Deposit Age:        | Quaternary |

## Geologic Information

|                           |   |
|---------------------------|---|
| Primary Material:         | diamicton   |
| Secondary Material:       |   |
| Primary General:          | glacial   |
| Primary General Modifier: |   |
| Veneer:                   |   |
| Episode:                  | Wisconsin   |
| Sub Episode:              | Michigan  |
| Strata Modifier:          | Surface   |
| Provenance:               | N-NE  |
| Carbon Content:           |   |
| Formation:                | Undifferentiated silty-sandy till on Paleozoic terrain  |
| Permeability:             | Low-Medium  |
| Material Description:     | Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a discontinuous lag consisting of gravel, sand and boulders |

---

### Unit ID 6a

|                           |   |
|---------------------------|---|
| Geological Deposit:       | Alluvial deposits   |
| Deposit Age:              | Recent  |
| Primary Material:         | clay, silt, sand  |
| Secondary Material:       |   |
| Primary General:          | fluvial   |
| Primary General Modifier: | modern floodplain   |
| Veneer:                   |   |
| Episode:                  | Hudson  |
| Sub Episode:              |   |
| Strata Modifier:          | Surface   |
| Provenance:               |   |
| Carbon Content:           |   |
| Formation:                |   |
| Permeability:             | Variable  |
| Material Description:     | Silty sand, silt, sand and clay; deposits of present floodplains and of alluvial fans in areas of low relief. |

# Soil Information



## Soil Map

This map shows soil units around the target property. Please refer to the report for detailed soil descriptions.



## Soil Information

Detailed soil information about each unit within the search radius is provided below.

### Ontario Detailed Soil Survey (DSS3)

---

**Polygon ID:** OND401072784

#### Component

|                                 |                |                            |                           |
|---------------------------------|----------------|----------------------------|---------------------------|
| <b>Component ID:</b>            | OND40107278401 | <b>Components(%):</b>      | 100                       |
| <b>Soil Name ID:</b>            | ONZZZ~~~~~N    | <b>Slope Steepness(%):</b> | Unknown or Not applicable |
| <b>Component No:</b>            | 1              | <b>Slope Length(m):</b>    | -9                        |
| <b>Surface Stoniness Class:</b> | Not Applicable |                            |                           |

#### Component Rating

**Field Crops Capability:**  
**First CLI Limitation Subclass:**  
**Second CLI Limitation Subclass:**  
**Drainage:** Not Applicable  
**Soil Texture of A Horizon:**  
**Hydrological Soil Groups:**

#### Soil Name

**Soil Name:** WATER  
**Kind of Surface Material:** True Non-soil  
**Soil Drainage Class:** Not applicable  
**Water Table Characteristics:** Not applicable  
**Layer that Restricts Root Growth:** Not applicable  
**Type of Root Restricting Layer:** n/a  
**Parent Material 1, 2, 3:** Not Applicable; Not Applicable; Not Applicable  
**Mode of Deposition 1,2,3:** Not Applicable; Not Applicable; Not Applicable  
**Parent Material Chemical Property 1,2,3:** Not Applicable; Not Applicable; Not Applicable

#### Soil Layer

|                  |    |                           |    |
|------------------|----|---------------------------|----|
| <b>Layer No:</b> | 1  | <b>Very Fine Sand(%):</b> | -9 |
| <b>Horizon:</b>  | -- | <b>Total Sand(%):</b>     | -9 |

## Soil Information

|  |                |                           |                |
|--|----------------|---------------------------|----------------|
| <b>Depth(cm):</b>                              | 0-100          | <b>Total Silt(%):</b>     | -9             |
| <b>pH in Calc Chloride:</b>                    | Not applicable | <b>Total Clay(%):</b>     | -9             |
| <b>Saturated Hydraulic Conductivity(cm/h):</b> | Not applicable | <b>Organic Carbon(%):</b> | Not applicable |
| <b>Electrical Conductivity(dS/m):</b>          | Not applicable |                           |                |

**Polygon ID:** OND401072947

### Component

|                                 |                |                            |                           |
|---------------------------------|----------------|----------------------------|---------------------------|
| <b>Component ID:</b>            | OND40107294701 | <b>Components(%):</b>      | 100                       |
| <b>Soil Name ID:</b>            | ONZUN~~~~~N    | <b>Slope Steepness(%):</b> | Unknown or Not applicable |
| <b>Component No:</b>            | 1              | <b>Slope Length(m):</b>    | -9                        |
| <b>Surface Stoniness Class:</b> | Not Applicable |                            |                           |

### Component Rating

#### **Field Crops Capability:**

#### **First CLI Limitation**

#### **Subclass:**

#### **Second CLI Limitation**

#### **Subclass:**

**Drainage:** Not Applicable

#### **Soil Texture of A**

#### **Horizon:**

#### **Hydrological Soil**

#### **Groups:**

### Soil Name

|   |  |
|---|--|
| <b>Soil Name:</b>                               | UNCLASSIFIED                                   |
| <b>Kind of Surface Material:</b>                | Unclassified                                   |
| <b>Soil Drainage Class:</b>                     | Not applicable                                 |
| <b>Water Table</b>                              | Unspecified period                             |
| <b>Charateristics:</b>                          |  |
| <b>Layer that Restricts Root Growth:</b>        | No root restricting layer                      |
| <b>Type of Root Restricting Layer:</b>          | n/a  |
| <b>Parent Material 1, 2, 3:</b>                 | Not Applicable; Not Applicable; Not Applicable |
| <b>Mode of Deposition 1,2,3:</b>                | Not Applicable; Not Applicable; Not Applicable |
| <b>Parent Material Chemical Property 1,2,3:</b> | Not Applicable; Not Applicable; Not Applicable |

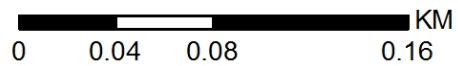


# Wells and Additional Sources



## Wells & Additional Sources

- ▲ Sites with Higher Elevation
- Sites with Same Elevation
- ▼ Sites with Lower Elevation
- Sites with Unknown Elevation



# Wells and Additional Sources Summary

## Federal Sources

### National Energy Board Wells

| Map Key          | ID | Distance (m) | Direction |
|------------------|----|--------------|-----------|
| No records found |    |              |           |

## Provincial Sources

### Ontario Oil and Gas Wells

| Map Key          | ID | Distance (m) | Direction |
|------------------|----|--------------|-----------|
| No records found |    |              |           |

### Provincial Groundwater Monitoring Network

| Map Key          | ID | Distance (m) | Direction |
|------------------|----|--------------|-----------|
| No records found |    |              |           |

### Water Well Information System

| Map Key | Well ID | Distance (m) | Direction |
|---------|---------|--------------|-----------|
| 1       | 7306422 | 8.8          | SW        |
| 2       | 7293171 | 17.8         | NW        |
| 3       | 7266158 | 75.1         | E         |
| 3       | 7235381 | 75.1         | E         |
| 4       | 7293173 | 97.06        | SW        |
| 5       | 7266159 | 115.93       | E         |
| 5       | 7235380 | 115.93       | E         |
| 6       | 7266157 | 124.23       | E         |
| 6       | 7235382 | 124.23       | E         |
| 7       | 7293162 | 130.19       | NE        |
| 8       | 7155881 | 149.59       | NW        |
| 9       | 7293178 | 153.64       | NNW       |
| 10      | 7293177 | 155.         | NNE       |
| 11      | 7293174 | 161.19       | S         |
| 12      | 7293161 | 162.26       | NW        |
| 13      | 7293176 | 168.15       | NNE       |
| 14      | 7162756 | 172.34       | ENE       |
| 15      | 7162755 | 179.22       | NE        |
| 16      | 7159685 | 179.66       | NE        |
| 17      | 7162753 | 190.87       | NE        |
| 17      | 7162754 | 190.87       | NE        |
| 18      | 7155882 | 194.52       | NNW       |
| 19      | 7159669 | 195.05       | NE        |
| 20      | 7159668 | 198.07       | NE        |
| 20      | 7159670 | 198.07       | NE        |
| 21      | 7225387 | 203.45       | NE        |
| 22      | 7225388 | 241.2        | NE        |
| 23      | 7313148 | 242.11       | N         |



## Wells and Additional Sources Summary

### Private Sources

#### Oil and Gas Wells

| Map Key | ID               | Distance (m) | Direction |
|---------|------------------|--------------|-----------|
|         | No records found |              |           |

# Wells and Additional Sources Detail Report

## Water Well Information System

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 1       | SW        | 0.01          | 8.80         | 70.96         | WWIS |

|                        |         |                    |                 |
|------------------------|---------|--------------------|-----------------|
| Well ID:               | 7306422 | Data Entry Status: | Yes             |
| Construction Date:     |         | Data Src:          |                 |
| Primary Water Use:     |         | Date Received:     | 2/26/2018       |
| Sec. Water Use:        |         | Selected Flag:     | Yes             |
| Final Well Status:     |         | Abandonment Rec:   |                 |
| Water Type:            |         | Contractor:        | 6964            |
| Casing Material:       |         | Form Version:      | 8               |
| Audit No:              | C34351  | Owner:             |                 |
| Tag:                   | A149831 | 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 ID:                | 1006991996 | Elevation:       |                                |
| DP2BR:                       |            | Elevrc:          |                                |
| Spatial Status:              |            | Zone:            | 18                             |
| Code OB:                     |            | East83:          | 446660                         |
| Code OB Desc:                |            | North83:         | 5028940                        |
| Open Hole:                   |            | Org CS:          | UTM83                          |
| Cluster Kind:                |            | UTMRC:           | 4                              |
| Date Completed:              | 1/11/2017  | UTMRC Desc:      | margin of error : 30 m - 100 m |
| Remarks:                     |            | Location Method: | wwr                            |
| Elevrc Desc:                 |            |                  |                                |
| Location Source Date:        |            |                  |                                |
| Improvement Location Source: |            |                  |                                |
| Improvement Location Method: |            |                  |                                |
| Source Revision Comment:     |            |                  |                                |
| Supplier Comment:            |            |                  |                                |

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB |
|---------|-----------|---------------|--------------|---------------|----|
|---------|-----------|---------------|--------------|---------------|----|

# Wells and Additional Sources Detail Report

|                              |            |                    |                                |       |      |
|------------------------------|------------|--------------------|--------------------------------|-------|------|
| 2                            | NW         | 0.02               | 17.80                          | 70.96 | WWIS |
|                              |            |                    |                                |       |      |
| Well ID:                     | 7293171    | Data Entry Status: |                                |       |      |
| Construction Date:           |            | Data Src:          |                                |       |      |
| Primary Water Use:           | Test Hole  | Date Received:     | 8/18/2017                      |       |      |
| Sec. Water Use:              | Monitoring | Selected Flag:     | Yes                            |       |      |
| Final Well Status:           | Test Hole  | Abandonment Rec:   |                                |       |      |
| Water Type:                  |            | Contractor:        | 7241                           |       |      |
| Casing Material:             |            | Form Version:      | 7                              |       |      |
| Audit No:                    | Z258455    | Owner:             |                                |       |      |
| Tag:                         | A189821    | Street Name:       | HAWTHORNE                      |       |      |
| Construction Method:         |            | County:            | OTTAWA-CARLETON                |       |      |
| Elevation (m):               |            | Municipality:      | NEPEAN TOWNSHIP                |       |      |
| Elevation Reliability:       |            | Site Info:         |                                |       |      |
| Depth to Bedrock:            |            | Lot:               | G                              |       |      |
| Well Depth:                  |            | Concession:        | C                              |       |      |
| 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 ID:                | 1006714826 | Elevation:         | 67.790313                      |       |      |
| DP2BR:                       |            | Elevrc:            |                                |       |      |
| Spatial Status:              |            | Zone:              | 18                             |       |      |
| Code OB:                     |            | East83:            | 446652                         |       |      |
| Code OB Desc:                |            | North83:           | 5028959                        |       |      |
| Open Hole:                   |            | Org CS:            | UTM83                          |       |      |
| Cluster Kind:                |            | UTMRC:             | 4                              |       |      |
| Date Completed:              | 7/23/2017  | UTMRC Desc:        | margin of error : 30 m - 100 m |       |      |
| Remarks:                     |            | Location Method:   | wwr                            |       |      |
| Elevrc Desc:                 |            |                    |                                |       |      |
| Location Source Date:        |            |                    |                                |       |      |
| Improvement Location Source: |            |                    |                                |       |      |
| Improvement Location Method: |            |                    |                                |       |      |
| Source Revision Comment:     |            |                    |                                |       |      |
| Supplier Comment:            |            |                    |                                |       |      |
|                              |            |                    |                                |       |      |
| Formation ID:                | 1006854965 |                    |                                |       |      |
| Layer:                       | 1          |                    |                                |       |      |
| Color:                       | 2          |                    |                                |       |      |
| General Color:               | GREY       |                    |                                |       |      |
| Mat1:                        | 11         |                    |                                |       |      |

## Wells and Additional Sources Detail Report

Most Common Material: GRAVEL  
Mat2:  
Other Materials:  
Mat3: 77  
Other Materials: LOOSE  
Formation Top Depth: 0  
Formation End Depth: 0.61  
Formation End Depth UOM: ft

Formation ID: 1006854966  
Layer: 2  
Color: 6  
General Color: BROWN  
Mat1: 01  
Most Common Material: FILL  
Mat2: 85  
Other Materials: SOFT  
Mat3:  
Other Materials:  
Formation Top Depth: 0.61  
Formation End Depth: 1.83  
Formation End Depth UOM: ft

Formation ID: 1006854967  
Layer: 3  
Color: 6  
General Color: BROWN  
Mat1: 05  
Most Common Material: CLAY  
Mat2:  
Other Materials:  
Mat3: 66  
Other Materials: DENSE  
Formation Top Depth: 1.83  
Formation End Depth: 3.66  
Formation End Depth UOM: ft

Formation ID: 1006854968  
Layer: 4  
Color: 2  
General Color: GREY  
Mat1: 05  
Most Common Material: CLAY

## Wells and Additional Sources Detail Report

Mat2:

Other Materials:

Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 3.66  
Formation End Depth: 6.1  
Formation End Depth  
UOM: ft

Plug ID: 1006854976  
Layer: 1  
Plug From: 0  
Plug To: 0.31  
Plug Depth UOM: ft

Plug ID: 1006854977  
Layer: 2  
Plug From: 0.31  
Plug To: 2.74  
Plug Depth UOM: ft

Plug ID: 1006854978  
Layer: 3  
Plug From: 2.74  
Plug To: 6.1  
Plug Depth UOM: ft

Method Construction ID:  
Method Construction Code: 2  
Method Construction: Rotary (Convent.)  
Other Method  
Construction:

Pipe ID: 1006854964  
Casing No: 0  
Comment:  
Alt Name:

Casing ID: 1006854971  
Layer: 1  
Material: 5  
Open Hole or Material: PLASTIC

## Wells and Additional Sources Detail Report

Depth From: 0  
 Depth To: 3.1  
 Casing Diameter: 2.5  
 Casing Diameter UOM: inch  
 Casing Depth UOM: ft

Screen ID: 1006854972  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 3.1  
 Screen End Depth: 6.1  
 Screen Material: 5  
 Screen Depth UOM: ft  
 Screen Diameter UOM: inch  
 Screen Diameter: 6.03

Hole ID: 1006854969  
 Diameter: 20.23  
 Depth From: 0  
 Depth To: 6.1  
 Hole Depth UOM: ft  
 Hole Diameter UOM: inch

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 3       | E         | 0.08          | 75.10        | 70.88         | WWIS |

Well ID: 7266158  
 Construction Date:  
 Primary Water Use: Monitoring  
 Sec. Water Use:  
 Final Well Status: Abandoned-Other  
 Water Type:  
 Casing Material:  
 Audit No: Z170942  
 Tag: A173877  
 Construction Method:  
 Elevation (m):  
 Elevation Reliability:  
 Depth to Bedrock:  
 Well Depth:  
 Overburden/Bedrock:  
 Pump Rate:  
 Static Water Level:  
 Flowing (Y/N):

Data Entry Status:  
 Data Src:  
 Date Received: 7/8/2016  
 Selected Flag: Yes  
 Abandonment Rec: Yes  
 Contractor: 7477  
 Form Version: 7  
 Owner:  
 Street Name: 31 GRAHAM AVENUE  
 County: OTTAWA-CARLETON  
 Municipality: NEPEAN TOWNSHIP  
 Site Info:  
 Lot:  
 Concession:  
 Concession Name:  
 Easting NAD83:  
 Northing NAD83:  
 Zone:

## Wells and Additional Sources Detail Report

Flow Rate:  
Clear/Cloudy:

UTM Reliability:

Bore Hole ID: 1006121230  
DP2BR:  
Spatial Status:  
Code OB:  
Code OB Desc:  
Open Hole:  
Cluster Kind:  
Date Completed: 6/28/2016  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location  
Source:  
Improvement Location  
Method:  
Source Revision  
Comment:  
Supplier Comment:

Elevation: 68.308746  
Elevrc:  
Zone: 18  
East83: 446740  
North83: 5028954  
Org CS: UTM83  
UTMRC: 4  
UTMRC Desc: margin of error : 30 m - 100 m  
Location Method: wwr

Plug ID: 1006134435  
Layer: 1  
Plug From: 0.25  
Plug To: 6.1  
Plug Depth UOM: ft

Plug ID: 1006134436  
Layer: 2  
Plug From: 0  
Plug To: 0.25  
Plug Depth UOM: ft

Method Construction ID:  
Method Construction Code: 9  
Method Construction: Driving  
Other Method Construction:

Pipe ID: 1006134427  
Casing No: 0  
Comment:  
Alt Name:



## Wells and Additional Sources Detail Report

Casing ID: 1006134431  
 Layer: 1  
 Material:  
 Open Hole or Material:  
 Depth From:  
 Depth To:  
 Casing Diameter: 4.03  
 Casing Diameter UOM: inch  
 Casing Depth UOM: ft

Screen ID: 1006134432  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 3.1  
 Screen End Depth: 6.1  
 Screen Material: 5  
 Screen Depth UOM: ft  
 Screen Diameter UOM: inch  
 Screen Diameter: 4.82

Water ID: 1006134430  
 Layer: 1  
 Kind Code: 8  
 Kind: Untested  
 Water Found Depth: 4  
 Water Found Depth UOM: ft

Hole ID: 1006134429  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 6.1  
 Hole Depth UOM: ft  
 Hole Diameter UOM: inch

---

| <b>Map Key</b> | <b>Direction</b> | <b>Distance (km)</b> | <b>Distance (m)</b> | <b>Elevation (m)</b> | <b>DB</b> |
|----------------|------------------|----------------------|---------------------|----------------------|-----------|
| 3              | E                | 0.08                 | 75.10               | 70.88                | WWIS      |

|   |                          |
|---|--------------------------|
| Well ID: 7235381                            | Data Entry Status:       |
| Construction Date:                          | Data Src:                |
| Primary Water Use: Monitoring and Test Hole | Date Received: 1/12/2015 |
| Sec. Water Use: 0                           | Selected Flag: Yes       |

## Wells and Additional Sources Detail Report

|                              |                          |                  |                                |
|------------------------------|--------------------------|------------------|--------------------------------|
| Final Well Status:           | Monitoring and Test Hole | Abandonment Rec: |                                |
| Water Type:                  |                          | Contractor:      | 7241                           |
| Casing Material:             |                          | Form Version:    | 7                              |
| Audit No:                    | Z198171                  | Owner:           |                                |
| Tag:                         | A173877                  | Street Name:     | 31 GRAHAM AVENUE               |
| Construction Method:         |                          | County:          | OTTAWA-CARLETON                |
| Elevation (m):               |                          | Municipality:    | NEPEAN TOWNSHIP                |
| 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 ID:                | 1005279677               | Elevation:       | 68.308746                      |
| DP2BR:                       |                          | Elevrc:          |                                |
| Spatial Status:              |                          | Zone:            | 18                             |
| Code OB:                     |                          | East83:          | 446740                         |
| Code OB Desc:                |                          | North83:         | 5028954                        |
| Open Hole:                   |                          | Org CS:          | UTM83                          |
| Cluster Kind:                |                          | UTMRC:           | 4                              |
| Date Completed:              | 12/5/2014                | UTMRC Desc:      | margin of error : 30 m - 100 m |
| Remarks:                     |                          | Location Method: | wwr                            |
| Elevrc Desc:                 |                          |                  |                                |
| Location Source Date:        |                          |                  |                                |
| Improvement Location Source: |                          |                  |                                |
| Improvement Location Method: |                          |                  |                                |
| Source Revision Comment:     |                          |                  |                                |
| Supplier Comment:            |                          |                  |                                |
|                              |                          |                  |                                |
| Formation ID:                | 1005479938               |                  |                                |
| Layer:                       | 2                        |                  |                                |
| Color:                       | 6                        |                  |                                |
| General Color:               | BROWN                    |                  |                                |
| Mat1:                        | 08                       |                  |                                |
| Most Common Material:        | FINE SAND                |                  |                                |
| Mat2:                        |                          |                  |                                |
| Other Materials:             |                          |                  |                                |
| Mat3:                        | 85                       |                  |                                |
| Other Materials:             | SOFT                     |                  |                                |
| Formation Top Depth:         | 0.61                     |                  |                                |

## Wells and Additional Sources Detail Report

Formation End Depth: 2.74  
Formation End Depth  
UOM: m

Formation ID: 1005479937  
Layer: 1  
Color: 8  
General Color: BLACK  
Mat1: 11  
Most Common Material: GRAVEL  
Mat2:  
Other Materials:  
Mat3: 77  
Other Materials: LOOSE  
Formation Top Depth: 0  
Formation End Depth: 0.61  
Formation End Depth  
UOM: m

Formation ID: 1005479940  
Layer: 4  
Color: 2  
General Color: GREY  
Mat1: 05  
Most Common Material: CLAY  
Mat2:  
Other Materials:  
Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 3.66  
Formation End Depth: 6.1  
Formation End Depth  
UOM: m

Formation ID: 1005479939  
Layer: 3  
Color: 6  
General Color: BROWN  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 06  
Other Materials: SILT  
Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 2.74  
Formation End Depth: 3.66

## Wells and Additional Sources Detail Report

Formation End Depth      m  
UOM:

Plug ID:                    1005479949  
Layer:                      2  
Plug From:                 0.31  
Plug To:                    2.74  
Plug Depth UOM:         m

Plug ID:                    1005479950  
Layer:                      3  
Plug From:                 2.74  
Plug To:                    6.1  
Plug Depth UOM:         m

Plug ID:                    1005479948  
Layer:                      1  
Plug From:                 0  
Plug To:                    0.31  
Plug Depth UOM:         m

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

Pipe ID:                    1005479936  
Casing No:                 0  
Comment:  
Alt Name:

Casing ID:                 1005479943  
Layer:                      1  
Material:                  5  
Open Hole or Material:    PLASTIC  
Depth From:                0  
Depth To:                  3.1  
Casing Diameter:         4.03  
Casing Diameter UOM:     cm  
Casing Depth UOM:        m

# Wells and Additional Sources Detail Report

Screen ID: 1005479944  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 3.1  
 Screen End Depth: 6.1  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.82

Hole ID: 1005479941  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 6.1  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 4       | SW        | 0.10          | 97.06        | 65.78         | WWIS |

Well ID: 7293173  
 Construction Date:  
 Primary Water Use: Test Hole  
 Sec. Water Use: Monitoring  
 Final Well Status: Test Hole  
 Water Type:  
 Casing Material:  
 Audit No: Z258422  
 Tag: A189907  
 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:  
 Date Received: 8/18/2017  
 Selected Flag: Yes  
 Abandonment Rec:  
 Contractor: 7241  
 Form Version: 7  
 Owner:  
 Street Name: COLONEL BY DRIVE  
 County: OTTAWA-CARLETON  
 Municipality: NEPEAN TOWNSHIP  
 Site Info:  
 Lot: G  
 Concession: C  
 Concession Name:  
 Easting NAD83:  
 Northing NAD83:  
 Zone:  
 UTM Reliability:

Bore Hole ID: 1006714832  
 DP2BR:

Elevation: 64.989303  
 Elevrc:

## Wells and Additional Sources Detail Report

|                              |                  |                                |
|------------------------------|------------------|--------------------------------|
| Spatial Status:              | Zone:            | 18                             |
| Code OB:                     | East83:          | 446586                         |
| Code OB Desc:                | North83:         | 5028891                        |
| Open Hole:                   | Org CS:          | UTM83                          |
| Cluster Kind:                | UTMRC:           | 4                              |
| Date Completed: 6/19/2017    | UTMRC Desc:      | margin of error : 30 m - 100 m |
| Remarks:                     | Location Method: | wwr                            |
| Elevrc Desc:                 |                  |                                |
| Location Source Date:        |                  |                                |
| Improvement Location Source: |                  |                                |
| Improvement Location Method: |                  |                                |
| Source Revision              |                  |                                |
| Comment:                     |                  |                                |
| Supplier Comment:            |                  |                                |

|                          |            |
|--------------------------|------------|
| Formation ID:            | 1006855010 |
| Layer:                   | 3          |
| Color:                   | 2          |
| General Color:           | GREY       |
| Mat1:                    | 05         |
| Most Common Material:    | CLAY       |
| Mat2:                    | 06         |
| Other Materials:         | SILT       |
| Mat3:                    | 85         |
| Other Materials:         | SOFT       |
| Formation Top Depth:     | 4          |
| Formation End Depth:     | 6.2        |
| Formation End Depth UOM: | m          |

|                          |            |
|--------------------------|------------|
| Formation ID:            | 1006855009 |
| Layer:                   | 2          |
| Color:                   | 2          |
| General Color:           | GREY       |
| Mat1:                    | 05         |
| Most Common Material:    | CLAY       |
| Mat2:                    | 06         |
| Other Materials:         | SILT       |
| Mat3:                    | 85         |
| Other Materials:         | SOFT       |
| Formation Top Depth:     | 0.8        |
| Formation End Depth:     | 4          |
| Formation End Depth UOM: | m          |

## Wells and Additional Sources Detail Report

Formation ID: 1006855008  
Layer: 1  
Color: 2  
General Color: GREY  
Mat1: 11  
Most Common Material: GRAVEL  
Mat2: 28  
Other Materials: SAND  
Mat3: 79  
Other Materials: PACKED  
Formation Top Depth: 0  
Formation End Depth: 0.8  
Formation End Depth UOM: m

Plug ID: 1006855020  
Layer: 3  
Plug From: 2.79  
Plug To: 6.2  
Plug Depth UOM: m

Plug ID: 1006855018  
Layer: 1  
Plug From: 0  
Plug To: 0.31  
Plug Depth UOM: m

Plug ID: 1006855019  
Layer: 2  
Plug From: 0.31  
Plug To: 2.79  
Plug Depth UOM: m

Method Construction ID:  
Method Construction Code: 2  
Method Construction: Rotary (Convent.)  
Other Method Construction:

Pipe ID: 1006855007  
Casing No: 0  
Comment:  
Alt Name:



## Wells and Additional Sources Detail Report

Casing ID: 1006855013  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From: 0  
 Depth To: 3.1  
 Casing Diameter: 5.2  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

Screen ID: 1006855014  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 3.1  
 Screen End Depth: 6.2  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 6.03

Hole ID: 1006855011  
 Diameter: 20.25  
 Depth From: 0  
 Depth To: 6.2  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

---

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 5       | E         | 0.12          | 115.93       | 70.91         | WWIS |

|                        |                 |                    |                  |
|------------------------|-----------------|--------------------|------------------|
| Well ID:               | 7266159         | Data Entry Status: |                  |
| Construction Date:     |                 | Data Src:          |                  |
| Primary Water Use:     | Monitoring      | Date Received:     | 7/8/2016         |
| Sec. Water Use:        |                 | Selected Flag:     | Yes              |
| Final Well Status:     | Abandoned-Other | Abandonment Rec:   | Yes              |
| Water Type:            |                 | Contractor:        | 7477             |
| Casing Material:       |                 | Form Version:      | 7                |
| Audit No:              | Z170943         | Owner:             |                  |
| Tag:                   | A173878         | Street Name:       | 31 GRAHAM AVENUE |
| Construction Method:   |                 | County:            | OTTAWA-CARLETON  |
| Elevation (m):         |                 | Municipality:      | NEPEAN TOWNSHIP  |
| Elevation Reliability: |                 | Site Info:         |                  |



# Wells and Additional Sources Detail Report

Pipe ID: 1006134437  
 Casing No: 0  
 Comment:  
 Alt Name:

Casing ID: 1006134441  
 Layer: 1  
 Material:  
 Open Hole or Material:  
 Depth From:  
 Depth To:  
 Casing Diameter: 4.03  
 Casing Diameter UOM: inch  
 Casing Depth UOM: ft

Screen ID: 1006134442  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 3.1  
 Screen End Depth: 6.1  
 Screen Material: 5  
 Screen Depth UOM: ft  
 Screen Diameter UOM: inch  
 Screen Diameter: 4.82

Water ID: 1006134440  
 Layer: 1  
 Kind Code: 8  
 Kind: Untested  
 Water Found Depth: 4  
 Water Found Depth UOM: ft

Hole ID: 1006134439  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 6.1  
 Hole Depth UOM: ft  
 Hole Diameter UOM: inch

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 5       | E         | 0.12          | 115.93       | 70.91         | WWIS |

## Wells and Additional Sources Detail Report

|                        |                          |                    |                  |
|------------------------|--------------------------|--------------------|------------------|
| Well ID:               | 7235380                  | Data Entry Status: |                  |
| Construction Date:     |                          | Data Src:          |                  |
| Primary Water Use:     | Monitoring and Test Hole | Date Received:     | 1/12/2015        |
| Sec. Water Use:        | 0                        | Selected Flag:     | Yes              |
| Final Well Status:     | Monitoring and Test Hole | Abandonment Rec:   |                  |
| Water Type:            |                          | Contractor:        | 7241             |
| Casing Material:       |                          | Form Version:      | 7                |
| Audit No:              | Z198170                  | Owner:             |                  |
| Tag:                   | A173878                  | Street Name:       | 31 GRAHAM AVENUE |
| Construction Method:   |                          | County:            | OTTAWA-CARLETON  |
| Elevation (m):         |                          | Municipality:      | NEPEAN TOWNSHIP  |
| 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 ID:                | 1005279674 | Elevation:       | 68.763526                      |
| DP2BR:                       |            | Elevrc:          |                                |
| Spatial Status:              |            | Zone:            | 18                             |
| Code OB:                     |            | East83:          | 446781                         |
| Code OB Desc:                |            | North83:         | 5028953                        |
| Open Hole:                   |            | Org CS:          | UTM83                          |
| Cluster Kind:                |            | UTMRC:           | 4                              |
| Date Completed:              | 12/5/2014  | UTMRC Desc:      | margin of error : 30 m - 100 m |
| Remarks:                     |            | Location Method: | wwr                            |
| Elevrc Desc:                 |            |                  |                                |
| Location Source Date:        |            |                  |                                |
| Improvement Location Source: |            |                  |                                |
| Improvement Location Method: |            |                  |                                |
| Source Revision Comment:     |            |                  |                                |
| Supplier Comment:            |            |                  |                                |

|                |            |
|----------------|------------|
| Formation ID:  | 1005479912 |
| Layer:         | 3          |
| Color:         | 6          |
| General Color: | BROWN      |
| Mat1:          | 05         |

## Wells and Additional Sources Detail Report

Most Common Material: CLAY  
Mat2: 06  
Other Materials: SILT  
Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 2.13  
Formation End Depth: 3.66  
Formation End Depth UOM: m

Formation ID: 1005479913  
Layer: 4  
Color: 2  
General Color: GREY  
Mat1: 05  
Most Common Material: CLAY  
Mat2:  
Other Materials:  
Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 3.66  
Formation End Depth: 6.1  
Formation End Depth UOM: m

Formation ID: 1005479910  
Layer: 1  
Color: 8  
General Color: BLACK  
Mat1: 02  
Most Common Material: TOPSOIL  
Mat2:  
Other Materials:  
Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 0  
Formation End Depth: 0.61  
Formation End Depth UOM: m

Formation ID: 1005479911  
Layer: 2  
Color: 6  
General Color: BROWN  
Mat1: 08  
Most Common Material: FINE SAND

## Wells and Additional Sources Detail Report

Mat2:

Other Materials:

Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 0.61  
Formation End Depth: 2.13  
Formation End Depth  
UOM: m

Plug ID: 1005479923  
Layer: 3  
Plug From: 2.74  
Plug To: 6.1  
Plug Depth UOM: m

Plug ID: 1005479921  
Layer: 1  
Plug From: 0  
Plug To: 0.31  
Plug Depth UOM: m

Plug ID: 1005479922  
Layer: 2  
Plug From: 0.31  
Plug To: 2.74  
Plug Depth UOM: m

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

Pipe ID: 1005479909  
Casing No: 0  
Comment:  
Alt Name:

Casing ID: 1005479916  
Layer: 1  
Material: 5  
Open Hole or Material: PLASTIC

## Wells and Additional Sources Detail Report

Depth From: 0  
 Depth To: 3.1  
 Casing Diameter: 4.03  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

Screen ID: 1005479917  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 3.1  
 Screen End Depth: 6.1  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.82

Hole ID: 1005479914  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 6.1  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 6       | E         | 0.12          | 124.23       | 70.91         | WWIS |

Well ID: 7266157  
 Construction Date:  
 Primary Water Use: Monitoring  
 Sec. Water Use:  
 Final Well Status: Abandoned-Other  
 Water Type:  
 Casing Material:  
 Audit No: Z170944  
 Tag: A173876  
 Construction Method:  
 Elevation (m):  
 Elevation Reliability:  
 Depth to Bedrock:  
 Well Depth:  
 Overburden/Bedrock:  
 Pump Rate:  
 Static Water Level:  
 Flowing (Y/N):

Data Entry Status:  
 Data Src:  
 Date Received: 7/8/2016  
 Selected Flag: Yes  
 Abandonment Rec: Yes  
 Contractor: 7477  
 Form Version: 7  
 Owner:  
 Street Name: 31 LARKIN AVENUE  
 County: OTTAWA-CARLETON  
 Municipality: NEPEAN TOWNSHIP  
 Site Info:  
 Lot:  
 Concession:  
 Concession Name:  
 Easting NAD83:  
 Northing NAD83:  
 Zone:



## Wells and Additional Sources Detail Report

Flow Rate:  
Clear/Cloudy:

UTM Reliability:

Bore Hole ID: 1006120701  
DP2BR:  
Spatial Status:  
Code OB:  
Code OB Desc:  
Open Hole:  
Cluster Kind:  
Date Completed: 6/28/2016  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location  
Source:  
Improvement Location  
Method:  
Source Revision  
Comment:  
Supplier Comment:

Elevation: 68.851448  
Elevrc:  
Zone: 18  
East83: 446788  
North83: 5028966  
Org CS: UTM83  
UTMRC: 4  
UTMRC Desc: margin of error : 30 m - 100 m  
Location Method: wwr

Plug ID: 1006134425  
Layer: 1  
Plug From: 0.25  
Plug To: 6.1  
Plug Depth UOM: ft

Plug ID: 1006134426  
Layer: 2  
Plug From: 0  
Plug To: 0.25  
Plug Depth UOM: ft

Method Construction ID:  
Method Construction Code: 9  
Method Construction: Driving  
Other Method Construction:

Pipe ID: 1006134417  
Casing No: 0  
Comment:  
Alt Name:

# Wells and Additional Sources Detail Report

Casing ID: 1006134421  
 Layer: 1  
 Material:  
 Open Hole or Material:  
 Depth From:  
 Depth To:  
 Casing Diameter: 4.03  
 Casing Diameter UOM: inch  
 Casing Depth UOM: ft

Screen ID: 1006134422  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 3.1  
 Screen End Depth: 6.1  
 Screen Material: 5  
 Screen Depth UOM: ft  
 Screen Diameter UOM: inch  
 Screen Diameter: 4.82

Water ID: 1006134420  
 Layer: 1  
 Kind Code: 8  
 Kind: Untested  
 Water Found Depth: 4  
 Water Found Depth UOM: ft

Hole ID: 1006134419  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 6.1  
 Hole Depth UOM: ft  
 Hole Diameter UOM: inch

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 6       | E         | 0.12          | 124.23       | 70.91         | WWIS |

Well ID: 7235382  
 Construction Date:  
 Primary Water Use: Monitoring and Test Hole  
 Sec. Water Use: 0  
 Data Entry Status:  
 Data Src:  
 Date Received: 1/12/2015  
 Selected Flag: Yes

## Wells and Additional Sources Detail Report

|                              |                          |                  |                                |
|------------------------------|--------------------------|------------------|--------------------------------|
| Final Well Status:           | Monitoring and Test Hole | Abandonment Rec: |                                |
| Water Type:                  |                          | Contractor:      | 7241                           |
| Casing Material:             |                          | Form Version:    | 7                              |
| Audit No:                    | Z198169                  | Owner:           |                                |
| Tag:                         | A173876                  | Street Name:     | 31 GRAHAM AVENUE               |
| Construction Method:         |                          | County:          | OTTAWA-CARLETON                |
| Elevation (m):               |                          | Municipality:    | NEPEAN TOWNSHIP                |
| 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 ID:                | 1005279680               | Elevation:       | 68.851448                      |
| DP2BR:                       |                          | Elevrc:          |                                |
| Spatial Status:              |                          | Zone:            | 18                             |
| Code OB:                     |                          | East83:          | 446788                         |
| Code OB Desc:                |                          | North83:         | 5028966                        |
| Open Hole:                   |                          | Org CS:          | UTM83                          |
| Cluster Kind:                |                          | UTMRC:           | 4                              |
| Date Completed:              | 12/5/2014                | UTMRC Desc:      | margin of error : 30 m - 100 m |
| Remarks:                     |                          | Location Method: | wwr                            |
| Elevrc Desc:                 |                          |                  |                                |
| Location Source Date:        |                          |                  |                                |
| Improvement Location Source: |                          |                  |                                |
| Improvement Location Method: |                          |                  |                                |
| Source Revision Comment:     |                          |                  |                                |
| Supplier Comment:            |                          |                  |                                |
|                              |                          |                  |                                |
| Formation ID:                | 1005479955               |                  |                                |
| Layer:                       | 4                        |                  |                                |
| Color:                       | 2                        |                  |                                |
| General Color:               | GREY                     |                  |                                |
| Mat1:                        | 05                       |                  |                                |
| Most Common Material:        | CLAY                     |                  |                                |
| Mat2:                        |                          |                  |                                |
| Other Materials:             |                          |                  |                                |
| Mat3:                        | 85                       |                  |                                |
| Other Materials:             | SOFT                     |                  |                                |
| Formation Top Depth:         | 3.1                      |                  |                                |

## Wells and Additional Sources Detail Report

Formation End Depth: 6.1  
Formation End Depth  
UOM: m

Formation ID: 1005479954  
Layer: 3  
Color: 6  
General Color: BROWN  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 06  
Other Materials: SILT  
Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 2.13  
Formation End Depth: 3.1  
Formation End Depth  
UOM: m

Formation ID: 1005479952  
Layer: 1  
Color: 8  
General Color: BLACK  
Mat1: 02  
Most Common Material: TOPSOIL  
Mat2:  
Other Materials:  
Mat3: 77  
Other Materials: LOOSE  
Formation Top Depth: 0  
Formation End Depth: 0.31  
Formation End Depth  
UOM: m

Formation ID: 1005479953  
Layer: 2  
Color: 6  
General Color: BROWN  
Mat1: 08  
Most Common Material: FINE SAND  
Mat2:  
Other Materials:  
Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 0.31  
Formation End Depth: 2.13

## Wells and Additional Sources Detail Report

Formation End Depth      m  
UOM:

Plug ID:                    1005479964  
Layer:                      2  
Plug From:                 0.31  
Plug To:                    2.74  
Plug Depth UOM:         m

Plug ID:                    1005479965  
Layer:                      3  
Plug From:                 2.74  
Plug To:                    6.1  
Plug Depth UOM:         m

Plug ID:                    1005479963  
Layer:                      1  
Plug From:                 0  
Plug To:                    0.31  
Plug Depth UOM:         m

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

Pipe ID:                    1005479951  
Casing No:                 0  
Comment:  
Alt Name:

Casing ID:                 1005479958  
Layer:                      1  
Material:                   5  
Open Hole or Material:    PLASTIC  
Depth From:               0  
Depth To:                  3.1  
Casing Diameter:         4.03  
Casing Diameter UOM:     cm  
Casing Depth UOM:        m

## Wells and Additional Sources Detail Report

Screen ID: 1005479959  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 3.1  
 Screen End Depth: 6.1  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.82

Hole ID: 1005479956  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 6.1  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 7       | NE        | 0.13          | 130.19       | 70.18         | WWIS |

|                        |            |                    |                          |
|------------------------|------------|--------------------|--------------------------|
| Well ID:               | 7293162    | Data Entry Status: |                          |
| Construction Date:     |            | Data Src:          |                          |
| Primary Water Use:     | Test Hole  | Date Received:     | 8/18/2017                |
| Sec. Water Use:        | Monitoring | Selected Flag:     | Yes                      |
| Final Well Status:     | Test Hole  | Abandonment Rec:   |                          |
| Water Type:            |            | Contractor:        | 7241                     |
| Casing Material:       |            | Form Version:      | 7                        |
| Audit No:              | Z258459    | Owner:             |                          |
| Tag:                   | A189809    | Street Name:       | HAWTHRONE RD. & MAIN ST. |
| Construction Method:   |            | County:            | OTTAWA-CARLETON          |
| Elevation (m):         |            | Municipality:      | NEPEAN TOWNSHIP          |
| Elevation Reliability: |            | Site Info:         |                          |
| Depth to Bedrock:      |            | Lot:               | G                        |
| Well Depth:            |            | Concession:        | C                        |
| 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 ID: 1006714799      Elevation: 68.96479  
 DP2BR:      Elevrc:

## Wells and Additional Sources Detail Report

|                              |                  |                                |
|------------------------------|------------------|--------------------------------|
| Spatial Status:              | Zone:            | 18                             |
| Code OB:                     | East83:          | 446768                         |
| Code OB Desc:                | North83:         | 5029027                        |
| Open Hole:                   | Org CS:          | UTM83                          |
| Cluster Kind:                | UTMRC:           | 4                              |
| Date Completed: 6/22/2017    | UTMRC Desc:      | margin of error : 30 m - 100 m |
| Remarks:                     | Location Method: | wwr                            |
| Elevrc Desc:                 |                  |                                |
| Location Source Date:        |                  |                                |
| Improvement Location Source: |                  |                                |
| Improvement Location Method: |                  |                                |
| Source Revision              |                  |                                |
| Comment:                     |                  |                                |
| Supplier Comment:            |                  |                                |

|                          |            |
|--------------------------|------------|
| Formation ID:            | 1006854826 |
| Layer:                   | 2          |
| Color:                   | 6          |
| General Color:           | BROWN      |
| Mat1:                    | 06         |
| Most Common Material:    | SILT       |
| Mat2:                    | 11         |
| Other Materials:         | GRAVEL     |
| Mat3:                    |            |
| Other Materials:         |            |
| Formation Top Depth:     | 1.52       |
| Formation End Depth:     | 3.1        |
| Formation End Depth UOM: | m          |

|                          |            |
|--------------------------|------------|
| Formation ID:            | 1006854827 |
| Layer:                   | 3          |
| Color:                   | 2          |
| General Color:           | GREY       |
| Mat1:                    | 05         |
| Most Common Material:    | CLAY       |
| Mat2:                    |            |
| Other Materials:         |            |
| Mat3:                    |            |
| Other Materials:         |            |
| Formation Top Depth:     | 3.1        |
| Formation End Depth:     | 6.1        |
| Formation End Depth UOM: | m          |



## Wells and Additional Sources Detail Report

Formation ID: 1006854825  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 28  
Most Common Material: SAND  
Mat2: 11  
Other Materials: GRAVEL  
Mat3: 77  
Other Materials: LOOSE  
Formation Top Depth: 0  
Formation End Depth: 1.52  
Formation End Depth UOM: m

Plug ID: 1006854835  
Layer: 1  
Plug From: 0  
Plug To: 0.31  
Plug Depth UOM: m

Plug ID: 1006854837  
Layer: 3  
Plug From: 2.74  
Plug To: 6.1  
Plug Depth UOM: m

Plug ID: 1006854836  
Layer: 2  
Plug From: 0.31  
Plug To: 2.74  
Plug Depth UOM: m

Method Construction ID:  
Method Construction Code: 2  
Method Construction: Rotary (Convent.)  
Other Method Construction:

Pipe ID: 1006854824  
Casing No: 0  
Comment:  
Alt Name:

## Wells and Additional Sources Detail Report

Casing ID: 1006854830  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From: 0  
 Depth To: 3.1  
 Casing Diameter: 5.2  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

Screen ID: 1006854831  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 3.1  
 Screen End Depth: 6.1  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 6.03

Hole ID: 1006854828  
 Diameter: 20.23  
 Depth From: 0  
 Depth To: 6.1  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

---

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 8       | NW        | 0.15          | 149.59       | 62.88         | WWIS |

|                        |                          |                    |                 |
|------------------------|--------------------------|--------------------|-----------------|
| Well ID:               | 7155881                  | Data Entry Status: |                 |
| Construction Date:     |                          | Data Src:          |                 |
| Primary Water Use:     | Monitoring and Test Hole | Date Received:     | 12/8/2010       |
| Sec. Water Use:        | 0                        | Selected Flag:     | Yes             |
| Final Well Status:     | Monitoring and Test Hole | Abandonment Rec:   |                 |
| Water Type:            |                          | Contractor:        | 7241            |
| Casing Material:       |                          | Form Version:      | 7               |
| Audit No:              | Z120941                  | Owner:             |                 |
| Tag:                   | A104501                  | Street Name:       | COLONEL BAY DR. |
| Construction Method:   |                          | County:            | OTTAWA-CARLETON |
| Elevation (m):         |                          | Municipality:      | OTTAWA CITY     |
| Elevation Reliability: |                          | Site Info:         |                 |

# Wells and Additional Sources Detail Report

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 ID: 1003433870  
DP2BR:  
Spatial Status:  
Code OB:  
Code OB Desc:  
Open Hole:  
Cluster Kind:  
Date Completed: 10/14/2010  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

Elevation: 64.759948  
Elevrc:  
Zone: 18  
East83: 446553  
North83: 5029046  
Org CS: UTM83  
UTMRC: 3  
UTMRC Desc: margin of error : 10 - 30 m  
Location Method: wwr

Formation ID: 1003638403  
Layer: 3  
Color: 2  
General Color: GREY  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 28  
Other Materials: SAND  
Mat3: 73  
Other Materials: HARD  
Formation Top Depth: 3.35  
Formation End Depth: 6.1  
Formation End Depth UOM: m

Formation ID: 1003638402  
Layer: 2  
Color: 6  
General Color: BROWN

## Wells and Additional Sources Detail Report

Mat1: 28  
Most Common Material: SAND  
Mat2: 85  
Other Materials: SOFT  
Mat3: 91  
Other Materials: WATER-BEARING  
Formation Top Depth: 3.1  
Formation End Depth: 3.35  
Formation End Depth UOM: m

Formation ID: 1003638401  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 28  
Most Common Material: SAND  
Mat2: 68  
Other Materials: DRY  
Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 0  
Formation End Depth: 3.1  
Formation End Depth UOM: m

Plug ID: 1003638406  
Layer: 2  
Plug From: 0.31  
Plug To: 2.74  
Plug Depth UOM: m

Plug ID: 1003638407  
Layer: 3  
Plug From: 2.74  
Plug To: 6.1  
Plug Depth UOM: m

Plug ID: 1003638405  
Layer: 1  
Plug From: 0  
Plug To: 0.31  
Plug Depth UOM: m

# Wells and Additional Sources Detail Report

Method Construction ID:  
 Method Construction Code: B  
 Method Construction: Other Method  
 Other Method Construction: DIRECT PUSH

Pipe ID: 1003638400  
 Casing No: 0  
 Comment:  
 Alt Name:

Casing ID: 1003638409  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From: 0  
 Depth To: 3.1  
 Casing Diameter: 4.03  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

Screen ID: 1003638410  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 3.1  
 Screen End Depth: 6.1  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.82

Hole ID: 1003638404  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 6.1  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

---

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 9       | NNW       | 0.15          | 153.64       | 65.15         | WWIS |

Well ID: 7293178 Data Entry Status:

## Wells and Additional Sources Detail Report

|                              |            |                  |                                |
|------------------------------|------------|------------------|--------------------------------|
| Construction Date:           |            | Data Src:        |                                |
| Primary Water Use:           | Test Hole  | Date Received:   | 8/18/2017                      |
| Sec. Water Use:              | Monitoring | Selected Flag:   | Yes                            |
| Final Well Status:           | Test Hole  | Abandonment Rec: |                                |
| Water Type:                  |            | Contractor:      | 7241                           |
| Casing Material:             |            | Form Version:    | 7                              |
| Audit No:                    | Z258230    | Owner:           |                                |
| Tag:                         | A192332    | Street Name:     | HARVEY AVE.                    |
| Construction Method:         |            | County:          | OTTAWA-CARLETON                |
| Elevation (m):               |            | Municipality:    | NEPEAN TOWNSHIP                |
| Elevation Reliability:       |            | Site Info:       |                                |
| Depth to Bedrock:            |            | Lot:             | F                              |
| Well Depth:                  |            | Concession:      | C                              |
| 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 ID:                | 1006714847 | Elevation:       | 67.70565                       |
| DP2BR:                       |            | Elevrc:          |                                |
| Spatial Status:              |            | Zone:            | 18                             |
| Code OB:                     |            | East83:          | 446604                         |
| Code OB Desc:                |            | North83:         | 5029088                        |
| Open Hole:                   |            | Org CS:          | UTM83                          |
| Cluster Kind:                |            | UTMRC:           | 4                              |
| Date Completed:              | 6/6/2017   | UTMRC Desc:      | margin of error : 30 m - 100 m |
| Remarks:                     |            | Location Method: | wwr                            |
| Elevrc Desc:                 |            |                  |                                |
| Location Source Date:        |            |                  |                                |
| Improvement Location Source: |            |                  |                                |
| Improvement Location Method: |            |                  |                                |
| Source Revision Comment:     |            |                  |                                |
| Supplier Comment:            |            |                  |                                |
|                              |            |                  |                                |
| Formation ID:                | 1006855081 |                  |                                |
| Layer:                       | 3          |                  |                                |
| Color:                       | 2          |                  |                                |
| General Color:               | GREY       |                  |                                |
| Mat1:                        | 05         |                  |                                |
| Most Common Material:        | CLAY       |                  |                                |
| Mat2:                        | 06         |                  |                                |
| Other Materials:             | SILT       |                  |                                |

## Wells and Additional Sources Detail Report

Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 6  
Formation End Depth: 15  
Formation End Depth UOM: ft

Formation ID: 1006855079  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 01  
Most Common Material: FILL  
Mat2: 28  
Other Materials: SAND  
Mat3: 11  
Other Materials: GRAVEL  
Formation Top Depth: 0  
Formation End Depth: 4  
Formation End Depth UOM: ft

Formation ID: 1006855080  
Layer: 2  
Color: 2  
General Color: GREY  
Mat1: 06  
Most Common Material: SILT  
Mat2: 05  
Other Materials: CLAY  
Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 4  
Formation End Depth: 6  
Formation End Depth UOM: ft

Plug ID: 1006855089  
Layer: 1  
Plug From: 0  
Plug To: 1  
Plug Depth UOM: ft

Plug ID: 1006855090  
Layer: 2



## Wells and Additional Sources Detail Report

Plug From: 1  
Plug To: 4  
Plug Depth UOM: ft

Plug ID: 1006855091  
Layer: 3  
Plug From: 4  
Plug To: 15  
Plug Depth UOM: ft

Method Construction ID:  
Method Construction Code: B  
Method Construction: Other Method  
Other Method Construction: AUGER

Pipe ID: 1006855078  
Casing No: 0  
Comment:  
Alt Name:

Casing ID: 1006855084  
Layer: 1  
Material: 5  
Open Hole or Material: PLASTIC  
Depth From: 0  
Depth To: 5  
Casing Diameter: 2  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

Screen ID: 1006855085  
Layer: 1  
Slot: 10  
Screen Top Depth: 5  
Screen End Depth: 15  
Screen Material: 5  
Screen Depth UOM: ft  
Screen Diameter UOM: inch  
Screen Diameter: 2.1

## Wells and Additional Sources Detail Report

Hole ID: 1006855082  
 Diameter: 8  
 Depth From: 0  
 Depth To: 15  
 Hole Depth UOM: ft  
 Hole Diameter UOM: inch

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 10      | NNE       | 0.16          | 155.00       | 67.15         | WWIS |

Well ID: 7293177  
 Construction Date:  
 Primary Water Use: Test Hole  
 Sec. Water Use: Monitoring  
 Final Well Status: Test Hole  
 Water Type:  
 Casing Material:  
 Audit No: Z258235  
 Tag: A192344  
 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:  
 Date Received: 8/18/2017  
 Selected Flag: Yes  
 Abandonment Rec:  
 Contractor: 7241  
 Form Version: 7  
 Owner:  
 Street Name: HARVEY ST.  
 County: OTTAWA-CARLETON  
 Municipality: NEPEAN TOWNSHIP  
 Site Info:  
 Lot: F  
 Concession: C  
 Concession Name:  
 Easting NAD83:  
 Northing NAD83:  
 Zone:  
 UTM Reliability:

Bore Hole ID: 1006714844  
 DP2BR:  
 Spatial Status:  
 Code OB:  
 Code OB Desc:  
 Open Hole:  
 Cluster Kind:  
 Date Completed: 6/8/2017  
 Remarks:  
 Elevrc Desc:  
 Location Source Date:  
 Improvement Location Source:  
 Improvement Location Method:  
 Source Revision

Elevation: 69.181961  
 Elevrc:  
 Zone: 18  
 East83: 446696  
 North83: 5029099  
 Org CS: UTM83  
 UTMRC: 4  
 UTMRC Desc: margin of error : 30 m - 100 m  
 Location Method: wwr

## Wells and Additional Sources Detail Report

Comment:

Supplier Comment:

Formation ID: 1006855067  
Layer: 3  
Color: 2  
General Color: GREY  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 06  
Other Materials: SILT  
Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 10  
Formation End Depth: 20  
Formation End Depth UOM: ft

Formation ID: 1006855065  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 01  
Most Common Material: FILL  
Mat2: 28  
Other Materials: SAND  
Mat3: 11  
Other Materials: GRAVEL  
Formation Top Depth: 0  
Formation End Depth: 5  
Formation End Depth UOM: ft

Formation ID: 1006855066  
Layer: 2  
Color: 6  
General Color: BROWN  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 06  
Other Materials: SILT  
Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 5  
Formation End Depth: 10

## Wells and Additional Sources Detail Report

Formation End Depth      ft  
UOM:

Plug ID:                    1006855076  
Layer:                      2  
Plug From:                 1  
Plug To:                    9  
Plug Depth UOM:         ft

Plug ID:                    1006855077  
Layer:                      3  
Plug From:                 9  
Plug To:                    20  
Plug Depth UOM:         ft

Plug ID:                    1006855075  
Layer:                      1  
Plug From:                 0  
Plug To:                    1  
Plug Depth UOM:         ft

Method Construction ID:  
Method Construction      B  
Code:  
Method Construction:     Other Method  
Other Method              AUGER  
Construction:

Pipe ID:                    1006855064  
Casing No:                 0  
Comment:  
Alt Name:

Casing ID:                 1006855070  
Layer:                      1  
Material:                  5  
Open Hole or Material:    PLASTIC  
Depth From:               0  
Depth To:                  10  
Casing Diameter:         2  
Casing Diameter UOM:    inch  
Casing Depth UOM:       ft

# Wells and Additional Sources Detail Report

Screen ID: 1006855071  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 10  
 Screen End Depth: 20  
 Screen Material: 5  
 Screen Depth UOM: ft  
 Screen Diameter UOM: inch  
 Screen Diameter: 2.1

Hole ID: 1006855068  
 Diameter: 8  
 Depth From: 0  
 Depth To: 20  
 Hole Depth UOM: ft  
 Hole Diameter UOM: inch

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 11      | S         | 0.16          | 161.19       | 69.53         | WWIS |

Well ID: 7293174  
 Construction Date:  
 Primary Water Use: Test Hole  
 Sec. Water Use: Monitoring  
 Final Well Status: Test Hole  
 Water Type:  
 Casing Material:  
 Audit No: Z258420  
 Tag: A189901  
 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:  
 Date Received: 8/18/2017  
 Selected Flag: Yes  
 Abandonment Rec:  
 Contractor: 7241  
 Form Version: 7  
 Owner:  
 Street Name: ECHO DR.  
 County: OTTAWA-CARLETON  
 Municipality: NEPEAN TOWNSHIP  
 Site Info:  
 Lot: G  
 Concession: C  
 Concession Name:  
 Easting NAD83:  
 Northing NAD83:  
 Zone:  
 UTM Reliability:

Bore Hole ID: 1006714835  
 DP2BR:

Elevation: 67.552314  
 Elevrc:

## Wells and Additional Sources Detail Report

|                              |                  |                                |
|------------------------------|------------------|--------------------------------|
| Spatial Status:              | Zone:            | 18                             |
| Code OB:                     | East83:          | 446671                         |
| Code OB Desc:                | North83:         | 5028786                        |
| Open Hole:                   | Org CS:          | UTM83                          |
| Cluster Kind:                | UTMRC:           | 4                              |
| Date Completed: 6/14/2017    | UTMRC Desc:      | margin of error : 30 m - 100 m |
| Remarks:                     | Location Method: | wwr                            |
| Elevrc Desc:                 |                  |                                |
| Location Source Date:        |                  |                                |
| Improvement Location Source: |                  |                                |
| Improvement Location Method: |                  |                                |
| Source Revision              |                  |                                |
| Comment:                     |                  |                                |
| Supplier Comment:            |                  |                                |

|                          |            |
|--------------------------|------------|
| Formation ID:            | 1006855024 |
| Layer:                   | 3          |
| Color:                   | 6          |
| General Color:           | BROWN      |
| Mat1:                    | 05         |
| Most Common Material:    | CLAY       |
| Mat2:                    |            |
| Other Materials:         |            |
| Mat3:                    | 85         |
| Other Materials:         | SOFT       |
| Formation Top Depth:     | 1.83       |
| Formation End Depth:     | 3.66       |
| Formation End Depth UOM: | m          |

|                          |            |
|--------------------------|------------|
| Formation ID:            | 1006855025 |
| Layer:                   | 4          |
| Color:                   | 2          |
| General Color:           | GREY       |
| Mat1:                    | 05         |
| Most Common Material:    | CLAY       |
| Mat2:                    |            |
| Other Materials:         |            |
| Mat3:                    | 85         |
| Other Materials:         | SOFT       |
| Formation Top Depth:     | 3.66       |
| Formation End Depth:     | 6.1        |
| Formation End Depth UOM: | m          |

## Wells and Additional Sources Detail Report

Formation ID: 1006855022  
Layer: 1  
Color: 2  
General Color: GREY  
Mat1: 11  
Most Common Material: GRAVEL  
Mat2:  
Other Materials:  
Mat3: 77  
Other Materials: LOOSE  
Formation Top Depth: 0  
Formation End Depth: 0.61  
Formation End Depth UOM: m

Formation ID: 1006855023  
Layer: 2  
Color: 6  
General Color: BROWN  
Mat1: 01  
Most Common Material: FILL  
Mat2:  
Other Materials:  
Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 0.61  
Formation End Depth: 1.83  
Formation End Depth UOM: m

Plug ID: 1006855034  
Layer: 2  
Plug From: 0.31  
Plug To: 2.74  
Plug Depth UOM: m

Plug ID: 1006855033  
Layer: 1  
Plug From: 0  
Plug To: 0.31  
Plug Depth UOM: m

Plug ID: 1006855035  
Layer: 3



## Wells and Additional Sources Detail Report

Plug From: 2.74  
Plug To: 6.1  
Plug Depth UOM: m

Method Construction ID:  
Method Construction Code: 2  
Method Construction: Rotary (Convent.)  
Other Method Construction:

Pipe ID: 1006855021  
Casing No: 0  
Comment:  
Alt Name:

Casing ID: 1006855028  
Layer: 1  
Material: 5  
Open Hole or Material: PLASTIC  
Depth From: 0  
Depth To: 3.1  
Casing Diameter: 5.2  
Casing Diameter UOM: cm  
Casing Depth UOM: m

Screen ID: 1006855029  
Layer: 1  
Slot: 10  
Screen Top Depth: 3.1  
Screen End Depth: 6.1  
Screen Material: 5  
Screen Depth UOM: m  
Screen Diameter UOM: cm  
Screen Diameter: 6.03

Hole ID: 1006855026  
Diameter: 20.23  
Depth From: 0  
Depth To: 6.1  
Hole Depth UOM: m  
Hole Diameter UOM: cm

---

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB |
|---------|-----------|---------------|--------------|---------------|----|
|---------|-----------|---------------|--------------|---------------|----|

# Wells and Additional Sources Detail Report

12                      NW                      0.16                      162.26                      62.57                      WWIS

|  |  |
|--|--|
| <p>Well ID: 7293161</p> <p>Construction Date:</p> <p>Primary Water Use: Test Hole</p> <p>Sec. Water Use: Monitoring</p> <p>Final Well Status: Test Hole</p> <p>Water Type:</p> <p>Casing Material:</p> <p>Audit No: Z258460</p> <p>Tag: A189820</p> <p>Construction Method:</p> <p>Elevation (m):</p> <p>Elevation Reliability:</p> <p>Depth to Bedrock:</p> <p>Well Depth:</p> <p>Overburden/Bedrock:</p> <p>Pump Rate:</p> <p>Static Water Level:</p> <p>Flowing (Y/N):</p> <p>Flow Rate:</p> <p>Clear/Cloudy:</p><br><p>Bore Hole ID: 1006714796</p> <p>DP2BR:</p> <p>Spatial Status:</p> <p>Code OB:</p> <p>Code OB Desc:</p> <p>Open Hole:</p> <p>Cluster Kind:</p> <p>Date Completed: 6/21/2017</p> <p>Remarks:</p> <p>Elevrc Desc:</p> <p>Location Source Date:</p> <p>Improvement Location Source:</p> <p>Improvement Location Method:</p> <p>Source Revision Comment:</p> <p>Supplier Comment:</p><br><p>Formation ID: 1006854813</p> <p>Layer: 3</p> <p>Color: 6</p> <p>General Color: BROWN</p> | <p>Data Entry Status:</p> <p>Data Src:</p> <p>Date Received: 8/18/2017</p> <p>Selected Flag: Yes</p> <p>Abandonment Rec:</p> <p>Contractor: 7241</p> <p>Form Version: 7</p> <p>Owner:</p> <p>Street Name: COLONEL BY DRIVE</p> <p>County: OTTAWA-CARLETON</p> <p>Municipality: NEPEAN TOWNSHIP</p> <p>Site Info:</p> <p>Lot: F</p> <p>Concession: C</p> <p>Concession Name:</p> <p>Easting NAD83:</p> <p>Northing NAD83:</p> <p>Zone:</p> <p>UTM Reliability:</p><br><p>Elevation: 65.718788</p> <p>Elevrc:</p> <p>Zone: 18</p> <p>East83: 446568</p> <p>North83: 5029077</p> <p>Org CS: UTM83</p> <p>UTMRC: 4</p> <p>UTMRC Desc: margin of error : 30 m - 100 m</p> <p>Location Method: wwr</p> |
|--|--|

## Wells and Additional Sources Detail Report

Mat1: 06  
Most Common Material: SILT  
Mat2: 28  
Other Materials: SAND  
Mat3:  
Other Materials:  
Formation Top Depth: 3.66  
Formation End Depth: 6.1  
Formation End Depth UOM: m

Formation ID: 1006854812  
Layer: 2  
Color: 6  
General Color: BROWN  
Mat1: 28  
Most Common Material: SAND  
Mat2:  
Other Materials:  
Mat3:  
Other Materials:  
Formation Top Depth: 0.31  
Formation End Depth: 3.66  
Formation End Depth UOM: m

Formation ID: 1006854811  
Layer: 1  
Color: 2  
General Color: GREY  
Mat1: 11  
Most Common Material: GRAVEL  
Mat2:  
Other Materials:  
Mat3: 77  
Other Materials: LOOSE  
Formation Top Depth: 0  
Formation End Depth: 0.31  
Formation End Depth UOM: m

Plug ID: 1006854823  
Layer: 3  
Plug From: 2.74  
Plug To: 6.1  
Plug Depth UOM: m

## Wells and Additional Sources Detail Report

Plug ID: 1006854822  
Layer: 2  
Plug From: 0.31  
Plug To: 2.74  
Plug Depth UOM: m

Plug ID: 1006854821  
Layer: 1  
Plug From: 0  
Plug To: 0.31  
Plug Depth UOM: m

Method Construction ID:  
Method Construction Code: 2  
Method Construction: Rotary (Convent.)  
Other Method Construction:

Pipe ID: 1006854810  
Casing No: 0  
Comment:  
Alt Name:

Casing ID: 1006854816  
Layer: 1  
Material: 5  
Open Hole or Material: PLASTIC  
Depth From: 0  
Depth To: 3.1  
Casing Diameter: 5.2  
Casing Diameter UOM: cm  
Casing Depth UOM: m

Screen ID: 1006854817  
Layer: 1  
Slot: 10  
Screen Top Depth: 3.1  
Screen End Depth: 6.1  
Screen Material: 5  
Screen Depth UOM: m

# Wells and Additional Sources Detail Report

Screen Diameter UOM: cm  
 Screen Diameter: 6.03

Hole ID: 1006854814  
 Diameter: 20.23  
 Depth From: 0  
 Depth To: 6.1  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 13      | NNE       | 0.17          | 168.15       | 67.99         | WWIS |

Well ID: 7293176  
 Construction Date:  
 Primary Water Use: Test Hole  
 Sec. Water Use: Monitoring  
 Final Well Status: Test Hole  
 Water Type:  
 Casing Material:  
 Audit No: Z258234  
 Tag: A192343  
 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:  
 Date Received: 8/18/2017  
 Selected Flag: Yes  
 Abandonment Rec:  
 Contractor: 7241  
 Form Version: 7  
 Owner:  
 Street Name: MAIN ST.  
 County: OTTAWA-CARLETON  
 Municipality: NEPEAN TOWNSHIP  
 Site Info:  
 Lot: F  
 Concession: C  
 Concession Name:  
 Easting NAD83:  
 Northing NAD83:  
 Zone:  
 UTM Reliability:

Bore Hole ID: 1006714841  
 DP2BR:  
 Spatial Status:  
 Code OB:  
 Code OB Desc:  
 Open Hole:  
 Cluster Kind:  
 Date Completed: 6/8/2017  
 Remarks:  
 Elevrc Desc:

Elevation: 68.944351  
 Elevrc:  
 Zone: 18  
 East83: 446714  
 North83: 5029108  
 Org CS: UTM83  
 UTMRC: 4  
 UTMRC Desc: margin of error : 30 m - 100 m  
 Location Method: wwr

## Wells and Additional Sources Detail Report

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

Formation ID: 1006855051  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 01  
Most Common Material: FILL  
Mat2: 11  
Other Materials: GRAVEL  
Mat3: 77  
Other Materials: LOOSE  
Formation Top Depth: 0  
Formation End Depth: 5  
Formation End Depth  
UOM: ft

Formation ID: 1006855052  
Layer: 2  
Color: 6  
General Color: BROWN  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 06  
Other Materials: SILT  
Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 5  
Formation End Depth: 10  
Formation End Depth  
UOM: ft

Formation ID: 1006855053  
Layer: 3  
Color: 2  
General Color: GREY  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 06  
Other Materials: SILT

## Wells and Additional Sources Detail Report

Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 10  
Formation End Depth: 17.5  
Formation End Depth UOM: ft

Plug ID: 1006855063  
Layer: 3  
Plug From: 6.5  
Plug To: 17.5  
Plug Depth UOM: ft

Plug ID: 1006855061  
Layer: 1  
Plug From: 0  
Plug To: 1  
Plug Depth UOM: ft

Plug ID: 1006855062  
Layer: 2  
Plug From: 1  
Plug To: 6.5  
Plug Depth UOM: ft

Method Construction ID:  
Method Construction Code: B  
Method Construction: Other Method  
Other Method Construction: AUGER

Pipe ID: 1006855050  
Casing No: 0  
Comment:  
Alt Name:

Casing ID: 1006855056  
Layer: 1  
Material: 5  
Open Hole or Material: PLASTIC  
Depth From: 0  
Depth To: 7.5



## Wells and Additional Sources Detail Report

Casing Diameter: 2  
 Casing Diameter UOM: inch  
 Casing Depth UOM: ft

Screen ID: 1006855057  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 7.5  
 Screen End Depth: 17.5  
 Screen Material: 5  
 Screen Depth UOM: ft  
 Screen Diameter UOM: inch  
 Screen Diameter: 2.1

Hole ID: 1006855054  
 Diameter: 8  
 Depth From: 0  
 Depth To: 17.5  
 Hole Depth UOM: ft  
 Hole Diameter UOM: inch

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 14      | ENE       | 0.17          | 172.34       | 69.88         | WWIS |

Well ID: 7162756  
 Construction Date:  
 Primary Water Use: Monitoring and Test Hole  
 Sec. Water Use: 0  
 Final Well Status: Monitoring and Test Hole  
 Water Type:  
 Casing Material:  
 Audit No: Z126337  
 Tag: A111534  
 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:  
 Date Received: 5/5/2011  
 Selected Flag: Yes  
 Abandonment Rec:  
 Contractor: 7241  
 Form Version: 7  
 Owner:  
 Street Name: 61 MAIN ST  
 County: OTTAWA-CARLETON  
 Municipality: OTTAWA CITY  
 Site Info:  
 Lot:  
 Concession:  
 Concession Name:  
 Easting NAD83:  
 Northing NAD83:  
 Zone:  
 UTM Reliability:

## Wells and Additional Sources Detail Report

|                              |            |                  |                             |
|------------------------------|------------|------------------|-----------------------------|
| Bore Hole ID:                | 1003505772 | Elevation:       | 68.248382                   |
| DP2BR:                       |            | Elevrc:          |                             |
| Spatial Status:              |            | Zone:            | 18                          |
| Code OB:                     |            | East83:          | 446811                      |
| Code OB Desc:                |            | North83:         | 5029039                     |
| Open Hole:                   |            | Org CS:          | UTM83                       |
| Cluster Kind:                |            | UTMRC:           | 3                           |
| Date Completed:              | 4/13/2011  | UTMRC Desc:      | margin of error : 10 - 30 m |
| Remarks:                     |            | Location Method: | wwr                         |
| Elevrc Desc:                 |            |                  |                             |
| Location Source Date:        |            |                  |                             |
| Improvement Location Source: |            |                  |                             |
| Improvement Location Method: |            |                  |                             |
| Source Revision              |            |                  |                             |
| Comment:                     |            |                  |                             |
| Supplier Comment:            |            |                  |                             |

|                          |            |
|--------------------------|------------|
| Formation ID:            | 1003809277 |
| Layer:                   | 3          |
| Color:                   | 2          |
| General Color:           | GREY       |
| Mat1:                    | 05         |
| Most Common Material:    | CLAY       |
| Mat2:                    |            |
| Other Materials:         |            |
| Mat3:                    | 73         |
| Other Materials:         | HARD       |
| Formation Top Depth:     | 4.27       |
| Formation End Depth:     | 5.39       |
| Formation End Depth UOM: | m          |

|                       |            |
|-----------------------|------------|
| Formation ID:         | 1003809276 |
| Layer:                | 2          |
| Color:                | 2          |
| General Color:        | GREY       |
| Mat1:                 | 05         |
| Most Common Material: | CLAY       |
| Mat2:                 | 28         |
| Other Materials:      | SAND       |
| Mat3:                 | 73         |
| Other Materials:      | HARD       |
| Formation Top Depth:  | 2.74       |
| Formation End Depth:  | 4.27       |

## Wells and Additional Sources Detail Report

Formation End Depth      m  
UOM:

Formation ID:              1003809275  
Layer:                      1  
Color:                      6  
General Color:            BROWN  
Mat1:                      10  
Most Common Material:   COARSE SAND  
Mat2:  
Other Materials:  
Mat3:                      85  
Other Materials:         SOFT  
Formation Top Depth:    0  
Formation End Depth:    2.74  
Formation End Depth      m  
UOM:

Plug ID:                    1003809288  
Layer:                      3  
Plug From:                2.44  
Plug To:                    5.79  
Plug Depth UOM:         m

Plug ID:                    1003809286  
Layer:                      1  
Plug From:                0  
Plug To:                    0.31  
Plug Depth UOM:         m

Plug ID:                    1003809287  
Layer:                      2  
Plug From:                0.31  
Plug To:                    2.44  
Plug Depth UOM:         m

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

Pipe ID:                    1003809274

## Wells and Additional Sources Detail Report

Casing No: 0  
 Comment:  
 Alt Name:

Casing ID: 1003809280  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From: 0  
 Depth To: 2.74  
 Casing Diameter: 3.45  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

Screen ID: 1003809281  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 2.74  
 Screen End Depth: 5.79  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.21

Hole ID: 1003809278  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 5.79  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

---

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 15      | NE        | 0.18          | 179.22       | 69.88         | WWIS |

Well ID: 7162755  
 Construction Date:  
 Primary Water Use: Monitoring and Test Hole  
 Sec. Water Use: 0  
 Final Well Status: Monitoring and Test Hole  
 Water Type:  
 Casing Material:  
 Audit No: Z126338  
 Tag: A111533

Data Entry Status:  
 Data Src:  
 Date Received: 5/5/2011  
 Selected Flag: Yes  
 Abandonment Rec:  
 Contractor: 7241  
 Form Version: 7  
 Owner:  
 Street Name: 61 MAIN ST

## Wells and Additional Sources Detail Report

|                        |                  |                 |
|------------------------|------------------|-----------------|
| 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 ID:                | 1003505770 | Elevation:       | 68.050025                   |
| DP2BR:                       |            | Elevrc:          |                             |
| Spatial Status:              |            | Zone:            | 18                          |
| Code OB:                     |            | East83:          | 446806                      |
| Code OB Desc:                |            | North83:         | 5029058                     |
| Open Hole:                   |            | Org CS:          | UTM83                       |
| Cluster Kind:                |            | UTMRC:           | 3                           |
| Date Completed:              | 4/13/2011  | UTMRC Desc:      | margin of error : 10 - 30 m |
| Remarks:                     |            | Location Method: | wwr                         |
| Elevrc Desc:                 |            |                  |                             |
| Location Source Date:        |            |                  |                             |
| Improvement Location Source: |            |                  |                             |
| Improvement Location Method: |            |                  |                             |
| Source Revision Comment:     |            |                  |                             |
| Supplier Comment:            |            |                  |                             |

|                          |            |
|--------------------------|------------|
| Formation ID:            | 1003809261 |
| Layer:                   | 2          |
| Color:                   | 2          |
| General Color:           | GREY       |
| Mat1:                    | 05         |
| Most Common Material:    | CLAY       |
| Mat2:                    | 28         |
| Other Materials:         | SAND       |
| Mat3:                    | 73         |
| Other Materials:         | HARD       |
| Formation Top Depth:     | 2.74       |
| Formation End Depth:     | 4.27       |
| Formation End Depth UOM: | m          |

|               |            |
|---------------|------------|
| Formation ID: | 1003809262 |
|---------------|------------|

## Wells and Additional Sources Detail Report

Layer: 3  
Color: 2  
General Color: GREY  
Mat1: 05  
Most Common Material: CLAY  
Mat2:  
Other Materials:  
Mat3: 91  
Other Materials: WATER-BEARING  
Formation Top Depth: 4.27  
Formation End Depth: 5.79  
Formation End Depth UOM: m

Formation ID: 1003809260  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 10  
Most Common Material: COARSE SAND  
Mat2:  
Other Materials:  
Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 0  
Formation End Depth: 2.74  
Formation End Depth UOM: m

Plug ID: 1003809273  
Layer: 3  
Plug From: 2.44  
Plug To: 5.79  
Plug Depth UOM: m

Plug ID: 1003809271  
Layer: 1  
Plug From: 0  
Plug To: 0.31  
Plug Depth UOM: m

Plug ID: 1003809272  
Layer: 2  
Plug From: 0.31

## Wells and Additional Sources Detail Report

Plug To: 2.44  
Plug Depth UOM: m

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

Pipe ID: 1003809259  
Casing No: 0  
Comment:  
Alt Name:

Casing ID: 1003809265  
Layer: 1  
Material: 5  
Open Hole or Material: PLASTIC  
Depth From: 0  
Depth To: 2.74  
Casing Diameter: 3.45  
Casing Diameter UOM: cm  
Casing Depth UOM: m

Screen ID: 1003809266  
Layer: 1  
Slot: 10  
Screen Top Depth: 2.74  
Screen End Depth: 5.79  
Screen Material: 5  
Screen Depth UOM: m  
Screen Diameter UOM: cm  
Screen Diameter: 4.21

Hole ID: 1003809263  
Diameter: 8.25  
Depth From: 0  
Depth To: 5.79  
Hole Depth UOM: m  
Hole Diameter UOM: cm

---

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB |
|---------|-----------|---------------|--------------|---------------|----|
|---------|-----------|---------------|--------------|---------------|----|



# Wells and Additional Sources Detail Report

|   |  |      |        |       |      |
|---|--|------|--------|-------|------|
| 16  | NE   | 0.18 | 179.66 | 69.88 | WWIS |
|   |  |      |        |       |      |
| Well ID: 7159685<br>Construction Date:<br>Primary Water Use: Monitoring and Test Hole<br>Sec. Water Use: 0<br>Final Well Status: Test Hole<br>Water Type:<br>Casing Material:<br>Audit No: Z120958<br>Tag: A111617<br>Construction Method:<br>Elevation (m):<br>Elevation Reliability:<br>Depth to Bedrock:<br>Well Depth:<br>Overburden/Bedrock:<br>Pump Rate:<br>Static Water Level:<br>Flowing (Y/N):<br>Flow Rate:<br>Clear/Cloudy: | Data Entry Status:<br>Data Src:<br>Date Received: 2/25/2011<br>Selected Flag: Yes<br>Abandonment Rec:<br>Contractor: 7241<br>Form Version: 7<br>Owner:<br>Street Name: 59 MOIN ST<br>County: OTTAWA-CARLETON<br>Municipality: OTTAWA CITY<br>Site Info:<br>Lot:<br>Concession:<br>Concession Name:<br>Easting NAD83:<br>Northing NAD83:<br>Zone:<br>UTM Reliability: |      |        |       |      |
|   |  |      |        |       |      |
| Bore Hole ID: 1003479559<br>DP2BR:<br>Spatial Status:<br>Code OB:<br>Code OB Desc:<br>Open Hole:<br>Cluster Kind:<br>Date Completed: 1/31/2011<br>Remarks:<br>Elevrc Desc:<br>Location Source Date:<br>Improvement Location Source:<br>Improvement Location Method:<br>Source Revision<br>Comment:<br>Supplier Comment:   | Elevation: 68.38079<br>Elevrc:<br>Zone: 18<br>East83: 446799<br>North83: 5029067<br>Org CS: UTM83<br>UTMRC: 3<br>UTMRC Desc: margin of error : 10 - 30 m<br>Location Method: wwr   |      |        |       |      |
|   |  |      |        |       |      |
| Formation ID: 1003807941<br>Layer: 1<br>Color: 6<br>General Color: BROWN<br>Mat1: 10  |  |      |        |       |      |

## Wells and Additional Sources Detail Report

Most Common Material: COARSE SAND  
Mat2: 85  
Other Materials: SOFT  
Mat3: 68  
Other Materials: DRY  
Formation Top Depth: 0  
Formation End Depth: 1.5  
Formation End Depth UOM: m

Formation ID: 1003807942  
Layer: 2  
Color: 2  
General Color: GREY  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 85  
Other Materials: SOFT  
Mat3: 91  
Other Materials: WATER-BEARING  
Formation Top Depth: 1.5  
Formation End Depth: 5.49  
Formation End Depth UOM: m

Plug ID: 1003807953  
Layer: 3  
Plug From: 2.13  
Plug To: 5.49  
Plug Depth UOM: m

Plug ID: 1003807951  
Layer: 1  
Plug From: 0  
Plug To: 0.31  
Plug Depth UOM: m

Plug ID: 1003807952  
Layer: 2  
Plug From: 0.31  
Plug To: 2.13  
Plug Depth UOM: m

# Wells and Additional Sources Detail Report

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

Pipe ID: 1003807940  
 Casing No: 0  
 Comment:  
 Alt Name:

Casing ID: 1003807945  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From: 0  
 Depth To: 2.44  
 Casing Diameter: 3.45  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

Screen ID: 1003807946  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 2.44  
 Screen End Depth: 5.49  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.21

Hole ID: 1003807943  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 5.49  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

---

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 17      | NE        | 0.19          | 190.87       | 69.88         | WWIS |

Well ID: 7162753      Data Entry Status:  
 Construction Date:      Data Src:

## Wells and Additional Sources Detail Report

|                              |                          |                  |                             |
|------------------------------|--------------------------|------------------|-----------------------------|
| Primary Water Use:           | Monitoring and Test Hole | Date Received:   | 5/5/2011                    |
| Sec. Water Use:              | 0                        | Selected Flag:   | Yes                         |
| Final Well Status:           | Monitoring and Test Hole | Abandonment Rec: |                             |
| Water Type:                  |                          | Contractor:      | 7241                        |
| Casing Material:             |                          | Form Version:    | 7                           |
| Audit No:                    | Z126302                  | Owner:           |                             |
| Tag:                         | A111531                  | Street Name:     | 61 MAIN ST                  |
| 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 ID:                | 1003505766               | Elevation:       | 67.698051                   |
| DP2BR:                       |                          | Elevrc:          |                             |
| Spatial Status:              |                          | Zone:            | 18                          |
| Code OB:                     |                          | East83:          | 446823                      |
| Code OB Desc:                |                          | North83:         | 5029054                     |
| Open Hole:                   |                          | Org CS:          | UTM83                       |
| Cluster Kind:                |                          | UTMRC:           | 3                           |
| Date Completed:              | 4/13/2011                | UTMRC Desc:      | margin of error : 10 - 30 m |
| Remarks:                     |                          | Location Method: | wwr                         |
| Elevrc Desc:                 |                          |                  |                             |
| Location Source Date:        |                          |                  |                             |
| Improvement Location Source: |                          |                  |                             |
| Improvement Location Method: |                          |                  |                             |
| Source Revision Comment:     |                          |                  |                             |
| Supplier Comment:            |                          |                  |                             |
|                              |                          |                  |                             |
| Formation ID:                | 1003809216               |                  |                             |
| Layer:                       | 3                        |                  |                             |
| Color:                       | 2                        |                  |                             |
| General Color:               | GREY                     |                  |                             |
| Mat1:                        | 05                       |                  |                             |
| Most Common Material:        | CLAY                     |                  |                             |
| Mat2:                        |                          |                  |                             |
| Other Materials:             |                          |                  |                             |
| Mat3:                        | 85                       |                  |                             |

## Wells and Additional Sources Detail Report

Other Materials: SOFT  
Formation Top Depth: 4.27  
Formation End Depth: 5.79  
Formation End Depth UOM: m

Formation ID: 1003809215  
Layer: 2  
Color: 2  
General Color: GREY  
Mat1: 05  
Most Common Material: CLAY  
Mat2:  
Other Materials:  
Mat3: 73  
Other Materials: HARD  
Formation Top Depth: 2.13  
Formation End Depth: 4.27  
Formation End Depth UOM: m

Formation ID: 1003809214  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 10  
Most Common Material: COARSE SAND  
Mat2: 02  
Other Materials: TOPSOIL  
Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 0  
Formation End Depth: 2.13  
Formation End Depth UOM: m

Plug ID: 1003809227  
Layer: 3  
Plug From: 2.44  
Plug To: 5.79  
Plug Depth UOM: m

Plug ID: 1003809225  
Layer: 1  
Plug From: 0

## Wells and Additional Sources Detail Report

Plug To: 0.31  
Plug Depth UOM: m

Plug ID: 1003809226  
Layer: 2  
Plug From: 0.31  
Plug To: 2.44  
Plug Depth UOM: m

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

Pipe ID: 1003809213  
Casing No: 0  
Comment:  
Alt Name:

Casing ID: 1003809219  
Layer: 1  
Material: 5  
Open Hole or Material: PLASTIC  
Depth From: 0  
Depth To: 2.74  
Casing Diameter: 3.45  
Casing Diameter UOM: cm  
Casing Depth UOM: m

Screen ID: 1003809220  
Layer: 1  
Slot: 10  
Screen Top Depth: 2.74  
Screen End Depth: 5.79  
Screen Material: 5  
Screen Depth UOM: m  
Screen Diameter UOM: cm  
Screen Diameter: 4.21

Hole ID: 1003809217

## Wells and Additional Sources Detail Report

Diameter: 8.25  
 Depth From: 0  
 Depth To: 5.79  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 17      | NE        | 0.19          | 190.87       | 69.88         | WWIS |

|                        |                          |                    |                 |
|------------------------|--------------------------|--------------------|-----------------|
| Well ID:               | 7162754                  | Data Entry Status: |                 |
| Construction Date:     |                          | Data Src:          |                 |
| Primary Water Use:     | Monitoring and Test Hole | Date Received:     | 5/5/2011        |
| Sec. Water Use:        | 0                        | Selected Flag:     | Yes             |
| Final Well Status:     | Monitoring and Test Hole | Abandonment Rec:   |                 |
| Water Type:            |                          | Contractor:        | 7241            |
| Casing Material:       |                          | Form Version:      | 7               |
| Audit No:              | Z126301                  | Owner:             |                 |
| Tag:                   | A111532                  | Street Name:       | 61 MAIN ST      |
| 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 ID:                | 1003505768 | Elevation:       | 67.677917                   |
| DP2BR:                       |            | Elevrc:          |                             |
| Spatial Status:              |            | Zone:            | 18                          |
| Code OB:                     |            | East83:          | 446823                      |
| Code OB Desc:                |            | North83:         | 5029055                     |
| Open Hole:                   |            | Org CS:          | UTM83                       |
| Cluster Kind:                |            | UTMRC:           | 3                           |
| Date Completed:              | 4/13/2011  | UTMRC Desc:      | margin of error : 10 - 30 m |
| Remarks:                     |            | Location Method: | wwr                         |
| Elevrc Desc:                 |            |                  |                             |
| Location Source Date:        |            |                  |                             |
| Improvement Location Source: |            |                  |                             |
| Improvement Location Method: |            |                  |                             |
| Source Revision Comment:     |            |                  |                             |



## Wells and Additional Sources Detail Report

Supplier Comment:

Formation ID: 1003809231  
Layer: 3  
Color: 2  
General Color: GREY  
Mat1: 05  
Most Common Material: CLAY  
Mat2:  
Other Materials:  
Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 4.27  
Formation End Depth: 5.79  
Formation End Depth UOM: m

Formation ID: 1003809229  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 10  
Most Common Material: COARSE SAND  
Mat2:  
Other Materials:  
Mat3: 85  
Other Materials: SOFT  
Formation Top Depth: 0  
Formation End Depth: 2.74  
Formation End Depth UOM: m

Formation ID: 1003809230  
Layer: 2  
Color: 2  
General Color: GREY  
Mat1: 05  
Most Common Material: CLAY  
Mat2: 28  
Other Materials: SAND  
Mat3: 73  
Other Materials: HARD  
Formation Top Depth: 2.74  
Formation End Depth: 4.27  
Formation End Depth UOM: m

## Wells and Additional Sources Detail Report

Plug ID: 1003809242  
Layer: 3  
Plug From: 2.44  
Plug To: 5.79  
Plug Depth UOM: m

Plug ID: 1003809240  
Layer: 1  
Plug From: 0  
Plug To: 0.31  
Plug Depth UOM: m

Plug ID: 1003809241  
Layer: 2  
Plug From: 0.31  
Plug To: 2.44  
Plug Depth UOM: m

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

Pipe ID: 1003809228  
Casing No: 0  
Comment:  
Alt Name:

Casing ID: 1003809234  
Layer: 1  
Material: 5  
Open Hole or Material: PLASTIC  
Depth From: 0  
Depth To: 2.74  
Casing Diameter: 3.45  
Casing Diameter UOM: cm  
Casing Depth UOM: m

## Wells and Additional Sources Detail Report

Screen ID: 1003809235  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 2.74  
 Screen End Depth: 5.79  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.21

Hole ID: 1003809232  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 5.79  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 18      | NNW       | 0.19          | 194.52       | 63.60         | WWIS |

|                        |                          |                    |                 |
|------------------------|--------------------------|--------------------|-----------------|
| Well ID:               | 7155882                  | Data Entry Status: |                 |
| Construction Date:     |                          | Data Src:          |                 |
| Primary Water Use:     | Monitoring and Test Hole | Date Received:     | 12/8/2010       |
| Sec. Water Use:        | 0                        | Selected Flag:     | Yes             |
| Final Well Status:     | Monitoring and Test Hole | Abandonment Rec:   |                 |
| Water Type:            |                          | Contractor:        | 7241            |
| Casing Material:       |                          | Form Version:      | 7               |
| Audit No:              | Z120940                  | Owner:             |                 |
| Tag:                   | A104502                  | Street Name:       | COLONEL DR.     |
| 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 ID:   | 1003433872 | Elevation: | 67.128974 |
| DP2BR:          |            | Elevrc:    |           |
| Spatial Status: |            | Zone:      | 18        |

## Wells and Additional Sources Detail Report

|                              |                  |                             |
|------------------------------|------------------|-----------------------------|
| Code OB:                     | East83:          | 446608                      |
| Code OB Desc:                | North83:         | 5029133                     |
| Open Hole:                   | Org CS:          | UTM83                       |
| Cluster Kind:                | UTMRC:           | 3                           |
| Date Completed: 10/19/2010   | UTMRC Desc:      | margin of error : 10 - 30 m |
| Remarks:                     | Location Method: | wwr                         |
| Elevrc Desc:                 |                  |                             |
| Location Source Date:        |                  |                             |
| Improvement Location Source: |                  |                             |
| Improvement Location Method: |                  |                             |
| Source Revision              |                  |                             |
| Comment:                     |                  |                             |
| Supplier Comment:            |                  |                             |

|                          |               |
|--------------------------|---------------|
| Formation ID:            | 1003638545    |
| Layer:                   | 4             |
| Color:                   | 2             |
| General Color:           | GREY          |
| Mat1:                    | 05            |
| Most Common Material:    | CLAY          |
| Mat2:                    | 85            |
| Other Materials:         | SOFT          |
| Mat3:                    | 91            |
| Other Materials:         | WATER-BEARING |
| Formation Top Depth:     | 3.66          |
| Formation End Depth:     | 4.57          |
| Formation End Depth UOM: | m             |

|                          |            |
|--------------------------|------------|
| Formation ID:            | 1003638543 |
| Layer:                   | 2          |
| Color:                   | 6          |
| General Color:           | BROWN      |
| Mat1:                    | 28         |
| Most Common Material:    | SAND       |
| Mat2:                    | 85         |
| Other Materials:         | SOFT       |
| Mat3:                    | 68         |
| Other Materials:         | DRY        |
| Formation Top Depth:     | 0.91       |
| Formation End Depth:     | 2.44       |
| Formation End Depth UOM: | m          |

|               |            |
|---------------|------------|
| Formation ID: | 1003638544 |
|---------------|------------|

## Wells and Additional Sources Detail Report

Layer: 3  
Color: 6  
General Color: BROWN  
Mat1: 28  
Most Common Material: SAND  
Mat2: 85  
Other Materials: SOFT  
Mat3: 68  
Other Materials: DRY  
Formation Top Depth: 2.44  
Formation End Depth: 3.66  
Formation End Depth UOM: m

Formation ID: 1003638542  
Layer: 1  
Color: 8  
General Color: BLACK  
Mat1: 02  
Most Common Material: TOPSOIL  
Mat2: 85  
Other Materials: SOFT  
Mat3: 68  
Other Materials: DRY  
Formation Top Depth: 0  
Formation End Depth: 0.91  
Formation End Depth UOM: m

Plug ID: 1003638547  
Layer: 1  
Plug From: 0  
Plug To: 0.31  
Plug Depth UOM: m

Plug ID: 1003638548  
Layer: 2  
Plug From: 0.31  
Plug To: 1.22  
Plug Depth UOM: m

Plug ID: 1003638549  
Layer: 3  
Plug From: 1.22

## Wells and Additional Sources Detail Report

Plug To: 4.57  
Plug Depth UOM: m

Method Construction ID:  
Method Construction Code: B  
Method Construction: Other Method  
Other Method Construction: DIRECT PUSH

Pipe ID: 1003638541  
Casing No: 0  
Comment:  
Alt Name:

Casing ID: 1003638551  
Layer: 1  
Material: 5  
Open Hole or Material: PLASTIC  
Depth From: 0  
Depth To: 1.5  
Casing Diameter: 4.03  
Casing Diameter UOM: cm  
Casing Depth UOM: m

Screen ID: 1003638552  
Layer: 1  
Slot: 10  
Screen Top Depth: 1.5  
Screen End Depth: 4.57  
Screen Material: 5  
Screen Depth UOM: m  
Screen Diameter UOM: cm  
Screen Diameter: 4.82

Hole ID: 1003638546  
Diameter: 8.25  
Depth From: 0  
Depth To: 4.57  
Hole Depth UOM: m  
Hole Diameter UOM: cm

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| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB |
|---------|-----------|---------------|--------------|---------------|----|
|---------|-----------|---------------|--------------|---------------|----|

# Wells and Additional Sources Detail Report

19                      NE                      0.20                      195.05                      69.88                      WWIS

|   |                           |
|---|---------------------------|
| Well ID: 7159669                            | Data Entry Status:        |
| Construction Date:                          | Data Src:                 |
| Primary Water Use: Monitoring and Test Hole | Date Received: 2/25/2011  |
| Sec. Water Use: 0                           | Selected Flag: Yes        |
| Final Well Status: Test Hole                | Abandonment Rec:          |
| Water Type:                                 | Contractor: 7241          |
| Casing Material:                            | Form Version: 7           |
| Audit No: Z120954                           | Owner:                    |
| Tag: A111619                                | Street Name: 59 MAIN ST   |
| 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 ID: 1003479527     | Elevation: 69.999969                    |
| DP2BR:                       | Elevrc:                                 |
| Spatial Status:              | Zone: 18                                |
| Code OB:                     | East83: 446790                          |
| Code OB Desc:                | North83: 5029097                        |
| Open Hole:                   | Org CS: UTM83                           |
| Cluster Kind:                | UTMRC: 3                                |
| Date Completed: 1/31/2011    | UTMRC Desc: margin of error : 10 - 30 m |
| Remarks:                     | Location Method: wwr                    |
| Elevrc Desc:                 |   |
| Location Source Date:        |   |
| Improvement Location Source: |   |
| Improvement Location Method: |   |
| Source Revision:             |   |
| Comment:                     |   |
| Supplier Comment:            |   |

Formation ID: 1003806834  
 Layer: 2  
 Color: 2  
 General Color: GREY  
 Mat1: 05



## Wells and Additional Sources Detail Report

Most Common Material: CLAY  
Mat2: 85  
Other Materials: SOFT  
Mat3: 91  
Other Materials: WATER-BEARING  
Formation Top Depth: 3.1  
Formation End Depth: 5.49  
Formation End Depth UOM: m

Formation ID: 1003806833  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 01  
Most Common Material: FILL  
Mat2: 11  
Other Materials: GRAVEL  
Mat3: 28  
Other Materials: SAND  
Formation Top Depth: 0  
Formation End Depth: 3.1  
Formation End Depth UOM: m

Plug ID: 1003806843  
Layer: 1  
Plug From: 0  
Plug To: 0.31  
Plug Depth UOM: m

Plug ID: 1003806844  
Layer: 2  
Plug From: 0.31  
Plug To: 2.13  
Plug Depth UOM: m

Plug ID: 1003806845  
Layer: 3  
Plug From: 2.13  
Plug To: 5.49  
Plug Depth UOM: m

# Wells and Additional Sources Detail Report

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

Pipe ID: 1003806832  
 Casing No: 0  
 Comment:  
 Alt Name:

Casing ID: 1003806837  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From: 0  
 Depth To: 2.44  
 Casing Diameter: 3.45  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

Screen ID: 1003806838  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 2.44  
 Screen End Depth: 5.49  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.21

Hole ID: 1003806835  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 5.49  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

---

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 20      | NE        | 0.20          | 198.07       | 69.88         | WWIS |

Well ID: 7159668  
 Construction Date:  
 Data Entry Status:  
 Data Src:

## Wells and Additional Sources Detail Report

|                              |                          |                  |                             |
|------------------------------|--------------------------|------------------|-----------------------------|
| Primary Water Use:           | Monitoring and Test Hole | Date Received:   | 2/25/2011                   |
| Sec. Water Use:              | 0                        | Selected Flag:   | Yes                         |
| Final Well Status:           | Test Hole                | Abandonment Rec: |                             |
| Water Type:                  |                          | Contractor:      | 7241                        |
| Casing Material:             |                          | Form Version:    | 7                           |
| Audit No:                    | Z120966                  | Owner:           |                             |
| Tag:                         | A111620                  | Street Name:     | 59 MAIN ST                  |
| 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 ID:                | 1003479525               | Elevation:       | 70.060676                   |
| DP2BR:                       |                          | Elevrc:          |                             |
| Spatial Status:              |                          | Zone:            | 18                          |
| Code OB:                     |                          | East83:          | 446791                      |
| Code OB Desc:                |                          | North83:         | 5029100                     |
| Open Hole:                   |                          | Org CS:          | UTM83                       |
| Cluster Kind:                |                          | UTMRC:           | 3                           |
| Date Completed:              | 1/31/2011                | UTMRC Desc:      | margin of error : 10 - 30 m |
| Remarks:                     |                          | Location Method: | wwr                         |
| Elevrc Desc:                 |                          |                  |                             |
| Location Source Date:        |                          |                  |                             |
| Improvement Location Source: |                          |                  |                             |
| Improvement Location Method: |                          |                  |                             |
| Source Revision Comment:     |                          |                  |                             |
| Supplier Comment:            |                          |                  |                             |
|                              |                          |                  |                             |
| Formation ID:                | 1003806706               |                  |                             |
| Layer:                       | 2                        |                  |                             |
| Color:                       | 2                        |                  |                             |
| General Color:               | GREY                     |                  |                             |
| Mat1:                        | 05                       |                  |                             |
| Most Common Material:        | CLAY                     |                  |                             |
| Mat2:                        | 85                       |                  |                             |
| Other Materials:             | SOFT                     |                  |                             |
| Mat3:                        | 91                       |                  |                             |

## Wells and Additional Sources Detail Report

Other Materials: WATER-BEARING  
Formation Top Depth: 3.1  
Formation End Depth: 5.49  
Formation End Depth UOM: m

Formation ID: 1003806705  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 01  
Most Common Material: FILL  
Mat2: 11  
Other Materials: GRAVEL  
Mat3: 28  
Other Materials: SAND  
Formation Top Depth: 0  
Formation End Depth: 3.1  
Formation End Depth UOM: m

Plug ID: 1003806716  
Layer: 2  
Plug From: 0.31  
Plug To: 2.31  
Plug Depth UOM: m

Plug ID: 1003806717  
Layer: 3  
Plug From: 2.13  
Plug To: 5.49  
Plug Depth UOM: m

Plug ID: 1003806715  
Layer: 1  
Plug From: 0  
Plug To: 0.31  
Plug Depth UOM: m

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

# Wells and Additional Sources Detail Report

Pipe ID: 1003806704  
 Casing No: 0  
 Comment:  
 Alt Name:

Casing ID: 1003806709  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From: 0  
 Depth To: 2.44  
 Casing Diameter: 3.45  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

Screen ID: 1003806710  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 2.44  
 Screen End Depth: 5.49  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.21

Hole ID: 1003806707  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 5.49  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 20      | NE        | 0.20          | 198.07       | 69.88         | WWIS |

|                    |                          |                    |           |
|--------------------|--------------------------|--------------------|-----------|
| Well ID:           | 7159670                  | Data Entry Status: |           |
| Construction Date: |                          | Data Src:          |           |
| Primary Water Use: | Monitoring and Test Hole | Date Received:     | 2/25/2011 |
| Sec. Water Use:    | 0                        | Selected Flag:     | Yes       |
| Final Well Status: | Test Hole                | Abandonment Rec:   |           |
| Water Type:        |                          | Contractor:        | 7241      |

## Wells and Additional Sources Detail Report

|  |  |
|--|--|
| <p>Casing Material:</p> <p>Audit No: Z120956</p> <p>Tag: A111618</p> <p>Construction Method:</p> <p>Elevation (m):</p> <p>Elevation Reliability:</p> <p>Depth to Bedrock:</p> <p>Well Depth:</p> <p>Overburden/Bedrock:</p> <p>Pump Rate:</p> <p>Static Water Level:</p> <p>Flowing (Y/N):</p> <p>Flow Rate:</p> <p>Clear/Cloudy:</p><br><br><p>Bore Hole ID: 1003479529</p> <p>DP2BR:</p> <p>Spatial Status:</p> <p>Code OB:</p> <p>Code OB Desc:</p> <p>Open Hole:</p> <p>Cluster Kind:</p> <p>Date Completed: 1/31/2011</p> <p>Remarks:</p> <p>Elevrc Desc:</p> <p>Location Source Date:</p> <p>Improvement Location Source:</p> <p>Improvement Location Method:</p> <p>Source Revision Comment:</p> <p>Supplier Comment:</p><br><br><p>Formation ID: 1003806910</p> <p>Layer: 2</p> <p>Color: 2</p> <p>General Color: GREY</p> <p>Mat1: 05</p> <p>Most Common Material: CLAY</p> <p>Mat2: 85</p> <p>Other Materials: SOFT</p> <p>Mat3: 91</p> <p>Other Materials: WATER-BEARING</p> <p>Formation Top Depth: 3.1</p> <p>Formation End Depth: 5.49</p> <p>Formation End Depth UOM: m</p> | <p>Form Version: 7</p> <p>Owner:</p> <p>Street Name: 59 MAIN ST</p> <p>County: OTTAWA-CARLETON</p> <p>Municipality: OTTAWA CITY</p> <p>Site Info:</p> <p>Lot:</p> <p>Concession:</p> <p>Concession Name:</p> <p>Easting NAD83:</p> <p>Northing NAD83:</p> <p>Zone:</p> <p>UTM Reliability:</p><br><br><p>Elevation: 70.112663</p> <p>Elevrc:</p> <p>Zone: 18</p> <p>East83: 446790</p> <p>North83: 5029101</p> <p>Org CS: UTM83</p> <p>UTMRC: 3</p> <p>UTMRC Desc: margin of error : 10 - 30 m</p> <p>Location Method: wwr</p> |
|--|--|

## Wells and Additional Sources Detail Report

Formation ID: 1003806909  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 01  
Most Common Material: FILL  
Mat2: 11  
Other Materials: GRAVEL  
Mat3: 28  
Other Materials: SAND  
Formation Top Depth: 0  
Formation End Depth: 3.1  
Formation End Depth UOM: m

Plug ID: 1003806919  
Layer: 1  
Plug From: 0  
Plug To: 0.31  
Plug Depth UOM: m

Plug ID: 1003806920  
Layer: 2  
Plug From: 0.31  
Plug To: 2.13  
Plug Depth UOM: m

Plug ID: 1003806921  
Layer: 3  
Plug From: 2.13  
Plug To: 5.49  
Plug Depth UOM: m

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

Pipe ID: 1003806908  
Casing No: 0



## Wells and Additional Sources Detail Report

Comment:

Alt Name:

Casing ID: 1003806913  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From: 0  
 Depth To: 2.44  
 Casing Diameter: 3.45  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

Screen ID: 1003806914  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 2.44  
 Screen End Depth: 5.49  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.21

Hole ID: 1003806911  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 5.49  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 21      | NE        | 0.20          | 203.45       | 69.88         | WWIS |

|                      |                          |                    |                 |
|----------------------|--------------------------|--------------------|-----------------|
| Well ID:             | 7225387                  | Data Entry Status: |                 |
| Construction Date:   |                          | Data Src:          |                 |
| Primary Water Use:   | Monitoring and Test Hole | Date Received:     | 8/13/2014       |
| Sec. Water Use:      | 0                        | Selected Flag:     | Yes             |
| Final Well Status:   | Abandoned-Other          | Abandonment Rec:   | Yes             |
| Water Type:          |                          | Contractor:        | 7241            |
| Casing Material:     |                          | Form Version:      | 7               |
| Audit No:            | Z188243                  | Owner:             |                 |
| Tag:                 | A111534                  | Street Name:       | 61 MAIN ST. W   |
| Construction Method: |                          | County:            | OTTAWA-CARLETON |

## Wells and Additional Sources Detail Report

|                        |                  |             |
|------------------------|------------------|-------------|
| 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 ID:                | 1005060489 | Elevation:       | 68.793281                      |
| DP2BR:                       |            | Elevrc:          |                                |
| Spatial Status:              |            | Zone:            | 18                             |
| Code OB:                     |            | East83:          | 446807                         |
| Code OB Desc:                |            | North83:         | 5029093                        |
| Open Hole:                   |            | Org CS:          | UTM83                          |
| Cluster Kind:                |            | UTMRC:           | 4                              |
| Date Completed:              | 6/23/2014  | UTMRC Desc:      | margin of error : 30 m - 100 m |
| Remarks:                     |            | Location Method: | wwr                            |
| Elevrc Desc:                 |            |                  |                                |
| Location Source Date:        |            |                  |                                |
| Improvement Location Source: |            |                  |                                |
| Improvement Location Method: |            |                  |                                |
| Source Revision              |            |                  |                                |
| Comment:                     |            |                  |                                |
| Supplier Comment:            |            |                  |                                |

|                 |            |
|-----------------|------------|
| Plug ID:        | 1005271185 |
| Layer:          | 3          |
| Plug From:      | 2.44       |
| Plug To:        | 5.79       |
| Plug Depth UOM: | m          |

|                 |            |
|-----------------|------------|
| Plug ID:        | 1005271184 |
| Layer:          | 2          |
| Plug From:      | 0.31       |
| Plug To:        | 2.44       |
| Plug Depth UOM: | m          |

|            |            |
|------------|------------|
| Plug ID:   | 1005271183 |
| Layer:     | 1          |
| Plug From: | 0          |

## Wells and Additional Sources Detail Report

Plug To: 0.31  
 Plug Depth UOM: m

Pipe ID: 1005271174  
 Casing No: 0  
 Comment:  
 Alt Name:

Casing ID: 1005271178  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From:  
 Depth To:  
 Casing Diameter: 3.45  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

Screen ID: 1005271179  
 Layer: 1  
 Slot:  
 Screen Top Depth:  
 Screen End Depth:  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.21

Hole ID: 1005271176  
 Diameter: 10.92  
 Depth From: 0  
 Depth To: 1.83  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 22      | NE        | 0.24          | 241.20       | 69.88         | WWIS |

Well ID: 7225388  
 Construction Date:  
 Primary Water Use: Monitoring and Test Hole  
 Sec. Water Use: 0

Data Entry Status:  
 Data Src:  
 Date Received: 8/13/2014  
 Selected Flag: Yes

## Wells and Additional Sources Detail Report

|                              |                 |                  |                                |
|------------------------------|-----------------|------------------|--------------------------------|
| Final Well Status:           | Abandoned-Other | Abandonment Rec: | Yes                            |
| Water Type:                  |                 | Contractor:      | 7241                           |
| Casing Material:             |                 | Form Version:    | 7                              |
| Audit No:                    | Z188242         | Owner:           |                                |
| Tag:                         | A111533         | Street Name:     | 61 MAIN ST.                    |
| Construction Method:         |                 | County:          | OTTAWA-CARLETON                |
| Elevation (m):               |                 | Municipality:    | NEPEAN TOWNSHIP                |
| 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 ID:                | 1005060588      | Elevation:       | 70.247985                      |
| DP2BR:                       |                 | Elevrc:          |                                |
| Spatial Status:              |                 | Zone:            | 18                             |
| Code OB:                     |                 | East83:          | 446810                         |
| Code OB Desc:                |                 | North83:         | 5029140                        |
| Open Hole:                   |                 | Org CS:          | UTM83                          |
| Cluster Kind:                |                 | UTMRC:           | 4                              |
| Date Completed:              | 6/23/2014       | UTMRC Desc:      | margin of error : 30 m - 100 m |
| Remarks:                     |                 | Location Method: | wwr                            |
| Elevrc Desc:                 |                 |                  |                                |
| Location Source Date:        |                 |                  |                                |
| Improvement Location Source: |                 |                  |                                |
| Improvement Location Method: |                 |                  |                                |
| Source Revision Comment:     |                 |                  |                                |
| Supplier Comment:            |                 |                  |                                |
|                              |                 |                  |                                |
| Plug ID:                     | 1005271195      |                  |                                |
| Layer:                       | 1               |                  |                                |
| Plug From:                   | 0               |                  |                                |
| Plug To:                     | 0.31            |                  |                                |
| Plug Depth UOM:              | m               |                  |                                |
|                              |                 |                  |                                |
| Plug ID:                     | 1005271196      |                  |                                |
| Layer:                       | 2               |                  |                                |
| Plug From:                   | 0.31            |                  |                                |
| Plug To:                     | 2.44            |                  |                                |

## Wells and Additional Sources Detail Report

Plug Depth UOM: m

Plug ID: 1005271197  
 Layer: 3  
 Plug From: 2.44  
 Plug To:  
 Plug Depth UOM: m

Pipe ID: 1005271186  
 Casing No: 0  
 Comment:  
 Alt Name:

Casing ID: 1005271190  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From:  
 Depth To:  
 Casing Diameter: 3.45  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

Screen ID: 1005271191  
 Layer: 1  
 Slot:  
 Screen Top Depth:  
 Screen End Depth:  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.21

Hole ID: 1005271188  
 Diameter: 10.92  
 Depth From: 0  
 Depth To: 1.83  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

| Map Key | Direction | Distance (km) | Distance (m) | Elevation (m) | DB   |
|---------|-----------|---------------|--------------|---------------|------|
| 23      | N         | 0.24          | 242.11       | 64.63         | WWIS |

## Wells and Additional Sources Detail Report

|                              |            |                    |                                |
|------------------------------|------------|--------------------|--------------------------------|
| Well ID:                     | 7313148    | Data Entry Status: | Yes                            |
| Construction Date:           |            | Data Src:          |                                |
| Primary Water Use:           |            | Date Received:     | 6/19/2018                      |
| Sec. Water Use:              |            | Selected Flag:     | Yes                            |
| Final Well Status:           |            | Abandonment Rec:   |                                |
| Water Type:                  |            | Contractor:        | 7241                           |
| Casing Material:             |            | Form Version:      | 7                              |
| Audit No:                    | Z277415    | Owner:             |                                |
| Tag:                         | A182499    | 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 ID:                | 1007114129 | Elevation:         |                                |
| DP2BR:                       |            | Elevrc:            |                                |
| Spatial Status:              |            | Zone:              | 18                             |
| Code OB:                     |            | East83:            | 446675                         |
| Code OB Desc:                |            | North83:           | 5029189                        |
| Open Hole:                   |            | Org CS:            | UTM83                          |
| Cluster Kind:                |            | UTMRC:             | 4                              |
| Date Completed:              | 3/8/2018   | UTMRC Desc:        | margin of error : 30 m - 100 m |
| Remarks:                     |            | Location Method:   | wwr                            |
| Elevrc Desc:                 |            |                    |                                |
| Location Source Date:        |            |                    |                                |
| Improvement Location Source: |            |                    |                                |
| Improvement Location Method: |            |                    |                                |
| Source Revision              |            |                    |                                |
| Comment:                     |            |                    |                                |
| Supplier Comment:            |            |                    |                                |

## Radon Information

Detailed radon information for the project property is provided below.

### Radon Zone Information

---

**ID:** 144852 **Radon Rank:** LOW

### Health Canada Radon Information

---

**Health Region:** 3551  
**Health Region Name:** City of Ottawa Health Unit  
**Province or Territory:** ON  
**Number Homes in Survey:** 64  
**% Below 200 Bq/m3:** 93.8  
**% Above 200 Bq/m3:** 6.2  
**200 to 600 Bq/m3:** 6.2  
**% Above 600 Bq/m3:** 0



## Area of Natural and Scientific Interest Information

There is no ANSI unit available in this area.

## Area of Natural and Scientific Interest Information

Detailed ANSI information is provided below.

No records found for the project property or surrounding properties.

## Federal Sources

### Bedrock Geology of Canada

The Geological Map of Canada is scaled at 1:5,000,000. This map is created by Geological Survey of Canada and published by Natural Resources Canada.

**BEDROCK GEOLOGY**

### Health Canada Radon Information

This source is the results from the Cross-Canada Survey of Radon Concentrations in Homes, a two-year study conducted by Health Canada's National Radon Program. The aims of this study were to obtain an estimate of the proportion of the Canadian population living in homes with radon gas levels above the guideline of 200 Bq/m<sup>3</sup>, to identify previously unknown areas where radon gas exposure may constitute a health risk, and to build, over time, a map of indoor radon gas exposure levels across Canada.

**RADON**

### National Energy Board Wells

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.

**NEBP**

### Soil Landscapes of Canada (SLC)

Major characteristics of soil and land such as surface form, slope, water table depth, permafrost and lakes.

**SLC**

### Surficial Geology of Canada

This map contains information on surficial materials and associated landforms left by the retreat of the last glaciers and non glacial environments. It is based on compilation of existing maps. This data was authored by the Geological Survey of Canada and published by Natural Resources Canada.

**SURFICIAL GEOLOGY**

### Toporama

Toporama covers the entire area of Canada's landmass and provides topographic, geo-referenced, and symbolic information in a raster format at 1:50,000 scale. This is a digital topographic reference product made available by Natural Resources Canada (NRCan).

**TOPORAMA**

## Provincial Sources

### Area of Natural and Scientific Interest

Areas of Natural and Scientific Interest (ANSIs) are lands and waters with features that are important for natural heritage protection, appreciation, scientific study or education. This dataset is made available by Ontario Ministry of Natural Resources.

**ANSI**

### Bedrock Geology of Ontario

The Bedrock Geology layer shows the distribution of bedrock units underlying Ontario at a 1:250,000 scale. The geology of the province consists of Precambrian rocks of the Canadian Shield and Phanerozoic sedimentary rocks that overlie the Canadian Shield. This layer was compiled by the Precambrian Geoscience Section of Ontario Geological Survey.

**BEDROCK GEOLOGY**

### Ontario Detailed Soil Survey (DSS3)

Soil surveys have been published for most of the agricultural areas, and many surrounding areas, across Canada. Data from these surveys comprise the most detailed soil inventory information in the National Soil DataBase. Data is made available by Agriculture and Agri-Food Canada

**SOIL SURVEY**

### Ontario Oil and Gas Wells

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.

**OOGW**

### Provincial Groundwater Monitoring Network

**GROUNDWATER**

## Appendix

Groundwater level and chemistry data from monitoring wells that are part of the Provincial Groundwater Monitoring Network (PGMN) Program. Precipitation data (rain) is also available for some sites. This data is provided by Ontario Ministry of Environment and Climate Change.

### **Surficial Geology of Ontario**

The Surficial Geology dataset contains a layer depicting the distribution and characteristics of surficial deposits across southern Ontario. This data set is authored by the Ontario Geological Survey.

**SURFICIAL GEOLOGY**

### **Topographic Map of Ontario**

The Ontario Basic Mapping program provides a relationship between topographic information and the provincial geographical referencing grid, thereby forming the foundation for a comprehensive provincial geographical referencing system. This data is made available by the Ontario Ministry of Natural Resources and Forestry. This is ERIS self-designed topographic map template at 1:10,000.

**TOPOGRAPHIC MAP**

### **Water Well Information System**

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.

**WWIS**

### **Wetlands of Ontario**

The Ministry of Natural Resources and Forestry has made available a database of wetlands in Ontario. Certain attributes identify wetlands that have been evaluated with the Ontario Wetland Evaluation System (OWES), and of those which ones have been designated as Provincially Significant Wetlands (PSW).

**WETLAND**

## **Private Sources**

### **Oil and Gas Wells**

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

**OGWE**

### **Radon Zone Information**

The Radon Potential Map is developed by Radon Environmental Management Corporation. Its objective was to illustrate the relative variation of radon risk across the country, and in 2011 it published its first geologic Radon Potential Map of Canada.

**RADON**

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