# PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 2830 CARLING AVENUE AND 810 VICK AVENUE, OTTAWA, ONTARIO



Project No.: CCO-21-1191

Prepared for:

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November 16, 2020

# **Executive Summary**

McIntosh Perry was retained by Jonah Bonn ('the Client') of Holzman Consultants Inc., on behalf of it's client 1408505 Ontario Inc., to conduct a Phase One Environmental Site Assessment ('ESA') for the properties located at 2830 Carling Avenue and 810 Vick Ave., Ottawa, Ontario (collectively 'the Site'). The Site is currently occupied by two single-family residential dwellings.

It is understood that this Phase One ESA is being prepared as part of the City of Ottawa's Site Plan Submission process for a proposed multi-storey residential development.

The Phase One ESA has been prepared in general accordance with the requirements of Ontario Regulation (O.Reg.) 153/04 as amended. The report is also in general compliance with "Phase I Environmental Site Assessment", Canadian Standards Association (CSA) standard CSA Z768-01, reaffirmed 2016.

Based on a review of aerial photographs, historical information, and interviews, 2830 Carling Avenue was developed to its current configuration prior to 1958. 810 Vick Avenue was developed to its current configuration prior to 1976.

McIntosh Perry conducted visual observations of the Site and surrounding areas on September 18 and September 30, 2020. The total area of the Site measures approximately 0.12 hectares and is occupied by two existing single-family residential dwellings. Topography at the Site is generally flat, sloping gently downward to the northeast. Surface drainage at the Site consists of infiltration through the soil. On-site overburden groundwater flow is likely closely tied to surface topography.

No Potentially Contaminating Activities (PCAs) or Areas of Potential Environmental Concern (APECs) have been identified on the Site or within the Study Area, and therefore a *Phase Two ESA Investigation is not recommended*.

Due to the age of the buildings it is recommended that a designated substance survey be completed before demolition.

The water well located at 2830 Carling Avenue should be decommissioned by a licensed well technician prior to any work on the Site.

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# **1.0 INTRODUCTION**

McIntosh Perry was retained by Jonah Bonn ('the Client') of Holzman Consultants Inc., on behalf of it's client 1408505 Ontario Inc., to conduct a Phase One Environmental Site Assessment ('ESA') for the properties located at 2830 Carling Avenue and 810 Vick Avenue, Ottawa, Ontario (collectively 'the Site'). The Site is currently occupied by two single-family residential dwellings.

It is understood that this Phase One ESA is being prepared as part of the City of Ottawa's Site Plan Submission process for a proposed multi-storey residential development.

The Site location is shown on Figure 1 (Site Location). The Site layout and features, including the general configuration of on-site structures, are shown on Figure 2 (Site Layout).

The intended future use of the Site will remain residential.

# **1.1** Phase One Property Information

The Site is zoned as 'Residential Fourth Density Zone' as per the City of Ottawa Zoning By-Law Sections 161 and 162.

The total area of the Site is approximately 0.12 hectares (ha).

### 1.1.1 Property Identification

The legal description of the Site is as follows:

# **2830 Carling Avenue, Ottawa Ontario**: LT 1 & LT 2 PLAN 231; EXCEPT PT 1 CR617843 "DESCRIPTION IN CR316247 MAY NOT BE ACCEPTABLE IN FUTURE" OTTAWA. PIN: 039430027

and

**810 Vick Avenue, Ottawa Ontario**: LT 2 PLAN 250; EXCEPT PT 2 CR617843 "DESCRIPTION IN CR563793 MAY NOT BE ACCEPTABLE IN FUTURE" OTTAWA. PIN: 039430019

## 1.1.2 Property Ownership and Contact Details

McIntosh Perry was retained to complete this Phase One ESA by Jonah Bonn of Holzman Consultants Inc. It is our understanding that 2830 Carling Avenue is currently owned by Randolph Robin Ross and Elizabeth McCulloch and that 810 Vick Avenue is currently owned by Elizabeth Marriott Ross.

McIntosh Perry's contact for the purposes of completing this Phase I is Mr. Bonn; who can be contacted by email at <u>j.bonn@holzmanconsultants.com</u>.

## 1.1.3 Current and Proposed Future Uses

The Site is currently occupied by two 2-storey single-family residential dwellings, both of which have one basement level. It is understood that this Phase One ESA is being prepared as part of the City of Ottawa's Site Plan Submission process for a proposed multi-storey residential development.

# **1.2** Surrounding Land Use

Land use in the vicinity of the Site is predominantly residential.

# 2.0 SCOPE OF INVESTIGATION

A Phase One ESA is a preliminary environmental screening tool designed to provide a qualitative assessment of the environmental condition of a site, based on a desktop review of available documentation pertaining to the site and observations made during a site visit. Sampling and chemical analysis of soils, groundwater, and/or other materials/substances are beyond the scope of work for a Phase One ESA.

The Phase One ESA has been prepared in general accordance with the requirements of the following legislation:

• Ontario Regulation (O. Reg.) 153/04 - Records of Site Condition (as amended).

The report is also in general compliance with:

• "Phase One Environmental Site Assessment", Canadian Standards Association (CSA) standard CSA Z768-01, Reaffirmed 2016.

A designated substances survey was not completed as part of the current investigation.

The subject property is not an 'Enhanced Investigation Property' as defined in O.Reg. 153/04 (as amended).

# **3.0 RECORDS REVIEW**

## 3.1 General

#### 3.1.1 Phase One Study Area Determination

The Phase I Study Area includes the following properties:

- The Site (2830 Carling Avenue and 810 Vick Avenue); and
- All immediately adjacent properties and any properties within 250 m of the Site boundary.

The Phase One ESA Study Area, including surrounding land uses, is shown on Figure 3 (Surrounding Land Use).

#### 3.1.2 First Developed Use Determination

The Site was first developed as two 2-storey single-family residential dwellings, both of which have one basement level.

Based on a review of aerial photographs, historical information, and interviews, 2830 Carling Avenue was developed to its current configuration prior to 1958. 810 Vick Avenue was developed to its current configuration prior to 1976. Both locations are considered to be the first developed use of the Site.

#### 3.1.3 Fire Insurance Plans

No Fire Insurance Plans were available for the study area.

#### 3.1.4 Chain of Title

No Chain of Title search was conducted as part of this report.

#### 3.1.5 Previous Environmental Reports

McIntosh Perry is not aware of any environmental reports by others.

#### 3.1.6 City Directories

City Directories for the subject site and surrounding properties were searched by ERIS of Toronto, Ontario as part of this assessment. The city directory listings for the subject property are summarized as follows:

| Table 1 : City Directories        |   |                        |  |  |
|-----------------------------------|---|------------------------|--|--|
| Year Adjacent Properties Property |   |                        |  |  |
| 2011                              | <b>2880 Carling:</b><br>Multi-Tenant Residential<br>Timbercreek asset management<br>Pure dance Ottawa | Residential/Commercial |  |  |
|                                   | <b>2764 Richmond Road:</b><br>Creatrix Design Studios   |                        |  |  |

# Phase One Environmental Site Assessment 2830 Carling Avenue and 810 Vick Avenue, Ottawa, Ontario

| Table 1 : City Directories |                           |                        |  |  |  |
|----------------------------|---------------------------|------------------------|--|--|--|
| Year                       | Adjacent Properties       | Property Use           |  |  |  |
|                            | 2881 Richmond Road:       |                        |  |  |  |
|                            | Multi-tenant Residential  |                        |  |  |  |
|                            | Dream catcher Residential |                        |  |  |  |
|                            | 73 Ritchie Street:        |                        |  |  |  |
|                            | Multi-tenant Residential  |                        |  |  |  |
|                            | 2880 Carling Avenue:      |                        |  |  |  |
|                            | Multi-Tenant Residential  |                        |  |  |  |
|                            | 2764 Richmond Road:       |                        |  |  |  |
|                            | Creatrix Design Studios   |                        |  |  |  |
| 2006-2007                  | 2881 Richmond Road:       | Residential/Commercial |  |  |  |
|                            | Multi-Tenant Residential  |                        |  |  |  |
|                            | Premstar metering inc.    |                        |  |  |  |
|                            | 72 Ritchie Street:        |                        |  |  |  |
|                            | Multi-tenant Residential  |                        |  |  |  |
|                            | 2880 Carling Avenue:      |                        |  |  |  |
|                            | Multi-Tenant Residential  |                        |  |  |  |
|                            | Sunset Heights            |                        |  |  |  |
|                            | 2764 Richmond Road:       |                        |  |  |  |
| 2001-2002                  | Creatrix Design Studios   | Residential/Commercial |  |  |  |
|                            | 2881 Richmond Road:       |                        |  |  |  |
|                            | Multi-Tenant Residential  |                        |  |  |  |
|                            | 72 Ritchie Street:        |                        |  |  |  |
|                            | Multi-Tenant Residential  |                        |  |  |  |
|                            | 2880 Carling Avenue:      |                        |  |  |  |
|                            | Multi-Tenant Residential  |                        |  |  |  |
|                            | 2764 Richmond Road:       |                        |  |  |  |
| 1996-1997                  | Residential (1 tenant)    | Residential            |  |  |  |
|                            | 2881 Richmond Road:       |                        |  |  |  |
|                            | Multi-Tenant Residential  |                        |  |  |  |
|                            | 72 Ritchie Street:        |                        |  |  |  |
|                            | Multi-Tenant Residential  |                        |  |  |  |

The city directory search did not identify any environmental concerns with respect to the Site. The city directory search can be found in Appendix A.

# 3.2 Environmental Source Information

McIntosh Perry completed a records review to obtain information about the Site pertaining to items of actual and/or potential environmental concern.

#### 3.2.1 ERIS Report

McIntosh Perry obtained information contained in the databases listed below from ERIS of Toronto, Ontario. Details about the sources of information and the years included for each database, as well as the pertinent information obtained from these databases are included in the ERIS report which is included as Appendix A.

Federal Government Databases:

- Dry Cleaning Facilities
- Environmental Effects Monitoring
- Environmental Issues Inventory System
- Federal Convictions
- Contaminated Sites on Federal Land
- Federal Identification Registry for Storage Tank Systems (FIRSTS)
- Fisheries & Oceans Fuel Tanks
- Greenhouse Gas Emissions from Large Facilities
- Indian and Northern Affairs Fuel Tanks
- National Analysis of Trends in Emergencies System (NATES)
- National Defense & Canadian Forces Fuel Tanks
- National Defense & Canadian Forces Spills
- National Defense & Canadian Forces Waste Disposal Sites
- National Energy Board Pipeline Incidents
- National Energy Board Wells
- National Environmental Emergencies System (NEES)
- National PCB Inventory
- National Pollutant Release Inventory
- Parks Canada Fuel Storage Tanks
- Transport Canada Fuel Storage Tanks

Provincial Government Databases:

- Abandoned Aggregate Inventory
- Aggregate Inventory
- Abandoned Mines Information System
- Borehole
- Aboveground Storage Tanks
- Certificates of Approval
- Commercial Fuel Oil Tanks
- Inventory of Coal Gasification Plants and Coal Tar Sites
- Compliance and Convictions
- Certificates of Property Use
- Drill Hole Database

## Phase One Environmental Site Assessment 2830 Carling Avenue and 810 Vick Avenue, Ottawa, Ontario

- Environmental Activity and Sector Registry
- Environmental Registry
- Environmental Compliance Approval
- Emergency Management Historical Event
- Environmental Penalty Annual Report
- List of Expired Fuels Safety Facilities
- Fuel Storage Tank
- Fuel Storage Tank Historic
- Ontario Regulation 347 Waste Generators Summary
- TSSA Historic Incidents
- Fuel Oil Spills and Leaks
- Landfill Inventory Management Ontario
- Mineral Occurrences
- Non-Compliance Reports
- Ontario Oil and Gas Wells
- Inventory of PCB Storage Sites
- Orders
- Pesticide Register
- Pipeline Incidents
- Private and Retail Fuel Storage Tanks
- Permit to Take Water
- Ontario Regulation 347 Waste Receivers Summary
- Ontario Spills
- Record of Site Condition
- Wastewater Discharger Registration Database
- Variances for Abandonment of Underground Storage Tanks
- Waste Disposal Sites MOE CA Inventory
- Waste Disposal Sites MOE 1991 Historical Approval Inventory
- Water Well Information System

#### Private Databases:

- Anderson's Waste Disposal Sites
- Automobile Wrecking and Supplies
- Chemical Register
- Compressed Natural Gas Stations
- ERIS Historical Searches
- Canadian Mine Locations
- Oil and Gas Wells
- Canadian Pulp and Paper

- Retail Fuel Storage Tanks
- Scott's Manufacturing Directory
- Anderson's Storage Tanks

The databases searched by ERIS contained the following information pertaining to the Site:

- Seven (7) Borehole Records
- One (1) Environmental Compliance Approval Record
- Six (6) ERIS Historical Search Records
- Three (3) Ontario Regulation 347 Waste Generators Summary Records
- Four (4) Ontario Spills Records
- Eight (8) Water Well Information System Records

Relevant information from the ERIS report is summarized as follows:

#### **Borehole**

Seven (7) Borehole records were found for locations within 250 m of the subject Site. Details of these Borehole records, including total depth, completion material and completion date can be found in the ERIS Report in Appendix A. One (1) borehole was identified on the Site, from 1970, completed to a depth of 5 meters below ground surface.

### **Environmental Compliance Approvals**

One (1) Environmental Compliance Approval (ECA) record was found within 250 m of the subject Site. Environmental Compliance Approval records are summarized in the table below:

| Table 2: Environmental Compliance Approval Records |                           |                  |                      |                  |  |  |  |
|--|---------------------------|------------------|----------------------|------------------|--|--|--|
| Certificate Number                                 | Company                   | Location         | Approval Type        | Approval<br>Year |  |  |  |
| 1944-AW9PFS  | Marchurst                 | 826 High Street, | ECA – Municipal and  | 2018             |  |  |  |
|  | Development Group<br>Inc. | Ottawa, Ontario  | Private Sewage Works |                  |  |  |  |

A summary of all located records can be found in the ERIS report in Appendix A.

### **ERIS Historical Searches**

Six (6) Historical ERIS Searches were found within 250 m of the subject property boundaries. The Historical ERIS Searches do not represent areas of environmental concern. The details of these searches, including the properties for which the searches were completed are included in Appendix A.

### **Ontario Regulation 347 Waste Generators**

Three (3) Ontario Regulation 347 Waste Generator records were found for properties within 250 m of the Site. These records are summarized in Table below:

| Table 3: Ontario Regulation 347 Waste Generators |                      |                          |                |  |  |  |
|--|----------------------|--------------------------|----------------|--|--|--|
| Company  | Address              | Waste Description        | Approval Years |  |  |  |
| Timbercreek Asset                                | 2880 Carling Avenue, | Other activities related | 2012           |  |  |  |
| Management                                       | Ottawa ON            | to real estate           |                |  |  |  |
| Richmond Heights                                 | 2841 Richmond Road,  | Not Defined              | 2012           |  |  |  |
| Apartments                                       | Ottawa ON            | Not Defined              | 2012           |  |  |  |
| Homestead Land Holdings                          | 2881 Richmond Road,  | Aliphatic solvents and   | 2018           |  |  |  |
| Ltd  | Ottawa ON            | residues                 |                |  |  |  |

Due to the separation distance from the Site and nature of the wastes, these records are not considered to represent an APEC to the Site. Locations of all Ontario Regulation 347 Waste Generators can be found in the ERIS report in Appendix A.

## **Ontario Spill Records**

Four (4) Ontario Spill Records were returned for properties within 250 m of the Site. Details of these spills are summarized below:

| Table 4: Ontario Spill Records |                |           |   |  |  |  |
|--------------------------------|----------------|-----------|---|--|--|--|
| Address                        | Company        | Date      | Details   |  |  |  |
| 826 High                       | Francis Fuels  | 4-26-2001 | 2-3L of oil spilled onto asphalt. The spill was contained and |  |  |  |
| Street,                        |                |           | cleaned up.   |  |  |  |
| Ottawa ON,                     |                |           |   |  |  |  |
| K2B 6C4                        |                |           |   |  |  |  |
| 2880 Carling                   | Sunset Heights | 8-3-2005  | <1 L of oil spilled into catch basin.                         |  |  |  |
| Avenue,                        | Apartments     |           |   |  |  |  |
| Ottawa ON,                     |                |           |   |  |  |  |
| K2B 7Z1                        |                |           |   |  |  |  |
| 2900 Carling                   | Ottawa Transit | 8-30-2017 | 10L of coolant leaked onto the road                           |  |  |  |
| Avenue,                        |                |           |   |  |  |  |
| Ottawa ON                      |                |           |   |  |  |  |
| Carling                        | City of Ottawa | 7-28-2005 | Diesel fuel spill into water course.                          |  |  |  |
| Street/Ritchie                 |                |           |   |  |  |  |
| Street                         |                |           |   |  |  |  |

Due to the separation distance from the Site and nature of the spills, these records are not considered to represent an APEC to the Site. Locations of all Ontario Spill Records can be found in the ERIS report in Appendix A.

### Water Well Information System

Eight (8) water well records were found for properties within 250 m of the study area. One record was listed on the Site, highlighted below. The table below summarizes the details of each well.

| Table 5: Water Well Information System Records |                        |                                |                   |                       |            |                                     |                      |               |
|--|------------------------|--------------------------------|-------------------|-----------------------|------------|-------------------------------------|----------------------|---------------|
| Well ID  | Completion<br>Material | Depth to<br>Bedrock<br>(m bgs) | Bedrock<br>Type   | Well Depth<br>(m bgs) | Well Use   | Static<br>Water<br>Level<br>(m bgs) | Clear/<br>Cloud<br>Y | Water<br>Type |
| 1507998  | Bedrock                | 5.79                           | Limestone         | 19.8                  | Commercial | 3.05                                | Clear                | Fresh         |
| 1508282  | Bedrock                | 22.56                          | Limestone         | 59.44                 | Domestic   | 18.29                               | Clear                | Fresh         |
| 1508280  | Bedrock                | 21.34                          | Limestone         | 46.33                 | Domestic   | 18.29                               | N/A                  | Fresh         |
| 1508281  | Bedrock                | 18.29                          | Limestone         | 30.48                 | Domestic   | 9.14                                | Clear                | Fresh         |
| 1507995  | Bedrock                | 4.57                           | Limestone         | 22.86                 | Domestic   | 9.14                                | N/A                  | Fresh         |
| 1507984  | Bedrock                | 7.62                           | Granite/Sh<br>ale | 30.48                 | Domestic   | 7.62                                | N/A                  | Fresh         |
| 1508548  | Bedrock                | 0.61                           | Limestone         | 21.95                 | Municipal  | 4.27                                | Clear                | Fresh         |
| 1508640  | Bedrock                | 18.29                          | Limestone         | 60.35                 | Domestic   | 21.34                               | Clear                | Fresh         |

Locations of the Water Well Information records can be found in the ERIS report in Appendix A.

### 3.2.2 MECP Freedom of Information and Index Review Requests

In order to identify any previous environmental reports concerning the Site, a Freedom of Information (FOI) request and index review request were submitted to the Ontario Ministry of the Environment, Conservation and Parks (MECP). At the time of writing there have been no official responses from the MECP regarding the FOI request.

Responses not received at the time of this report will be reported under separate cover if relevant information is obtained.

Copies of the regulatory requests are included in Appendix B.

### 3.2.3 TSSA Information Request

An FOI request was also submitted to the Technical Standards and Safety Authority (TSSA). A response was received on September 3 and September 22, 2020 which indicated no further information related to the Site was available.

A copy of TSSA correspondence is provided in Appendix C.

## 3.2.4 Historical Land Use Inventory (HLUI) Request

A Historic Land Use Inventory (HLUI) request was submitted to the City of Ottawa to determine historic land uses for multiple properties located in proximity to 2830 Carling Avenue and 810 Vick Avenue.

The HLUI response was received on October 2, 2020. Upon reviewing the document, no items or land uses were observed which represent an area of environmental concern and which were not previously identified within this report. A copy of the HLUI report is included in Appendix C.

# 4.0 PHYSICAL SETTING

# 4.1 Aerial Photographs and Satellite Images

Table 6 below describe observations about current and historical land use for the Site and surrounding properties that were noted during a review of aerial photographs of the area taken between 1958 and 2017, included in Appendix D. Current land uses are included on Figure 3.

| Table 6: Current and Historical Land Uses for the Site |           |  |  |  |  |  |
|--|-----------|--|--|--|--|--|
| Date   | Source    | Observations   |  |  |  |  |
| 1958   | GeoOttawa | 2830 Carling Avenue has been developed and is in its current configuration. The property at 810 Vick Avenue has not be constructed.  |  |  |  |  |
| 1965   | GeoOttawa | 2830 Carling Avenue exists in its current configuration. Further residential development has occurred on the lot to the east of the Site.  |  |  |  |  |
| 1976   | GeoOttawa | The Site has been developed in its current configuration. The lot to the east of the Site has been developed (810 Vick Avenue). Further development has occurred surrounding the Site. A large apartment building to the east of the property has been built since the last aerial photograph. Residential development has occurred to the west of the Site. |  |  |  |  |
| 1991   | GeoOttawa | The Site exists in its current configuration. Further residential development has occurred to the south of the Site.   |  |  |  |  |
| 2002   | GeoOttawa | The Site exists in its current configuration. No significant changes have occurred at the Site or to surrounding properties since the last aerial photograph.  |  |  |  |  |
| 2008   | GeoOttawa | The Site exists in its current configuration. No significant changes have occurred at the Site or to surrounding properties since the last aerial photograph.  |  |  |  |  |
| 2017   | GeoOttawa | The Site exists in its current configuration. No significant changes have occurred at the Site or to surrounding properties since the last aerial photograph.  |  |  |  |  |

# 4.2 Topography

Elevation at the Site ranges from approximately 80 m above sea level (m asl). The topography is generally flat, with a slight slope in a north-south direction (see Figure 4).

# 4.3 Hydrology

The closest water body to the Site is the Ottawa River, located approximately 630 m northwest of the Site, at its closest point. On-site infiltration of water is interpreted to occur in areas of permeable ground surface. On-site overburden groundwater flow is likely closely tied to surface topography, therefore likely to flow northwest.

# 4.4 Geology

### 4.4.1 Surficial Geology

Geological maps of the area classify the overburden at the Site as older alluvial deposits including clay, silt, gravel and may contain organic remains (OGS, 2010).

### 4.4.2 Bedrock Geology

Geological maps of the area classify the bedrock under the Site as limestone, dolostone, shale, arkose, and sandstone (OGS, 2011).

## 4.5 Hydrogeology

On a local scale, groundwater is interpreted to reflect local topography. Groundwater flow at the Site is expected to flow to the north/northwest towards the Ottawa River. On a regional scale, groundwater is interpreted to flow north towards the Ottawa River, located approximately 630 m northwest of the Site.

## 4.6 Water Bodies and Areas of Natural Significance

No waterbodies were encountered at the Site. The closest permanent natural waterbody is the Ottawa River (located approximately 630 m northwest of the Site, at its closest point).

When completing a Phase One ESA, considerations are made for the following MNRF-maintained areas of natural significance:

- Areas of Natural and Scientific Interest (ANSIs);
- Provincially Significant Wetlands (PSWs); and,
- Wildlife Management Areas (WMAs).

No areas of natural significance were observed within the Study Area.

## 4.7 Well Records

McIntosh Perry performed a well record search utilizing the ERIS Water Well Information System (WWIS) data (based on MECP GIS data). Three well records were returned from this search. Details of the well records are summarized in the Section 3.2.1. One water well was observed on the Site, as noted in the table above.

#### CCO-21-1191

# 5.0 INTERVIEWS

# 5.1 2830 Carling Avenue

McIntosh Perry personnel conducted an interview with Randolph Robin Ross, current co-owner of 2830 Carling Avenue, Ottawa Ontario. The interview was completed in person on September 18, 2020. This interview as completed in order to obtain information about the subject property pertaining to items of actual and/or potential environmental concern. Information collected during this interview was used to corroborate data from other sources, and is presented in Appendix E.

The information obtained from the interview is summarized as follows:

| Table 7: Interview Record – 2830 Carling Avenue |  |  |  |  |
|---|--|--|--|--|
| Potential Environmental Concerns                | Interview Comments   |  |  |  |
| Accidents/Spills                                | Possible leak of oil tank  |  |  |  |
| Previous Use of Site                            | Residential for many years   |  |  |  |
| Adjacent Properties                             | Residential since 1985   |  |  |  |
| Fuel Handling/Storage                           | Oil heating tank on Site previously                                  |  |  |  |
| Maintenance/Operational Areas                   | Basement   |  |  |  |
| Hazardous Materials Storage                     | None   |  |  |  |
| Salt Storage                                    | 1-2 bags   |  |  |  |
| Fuel Storage Tanks                              | Fuel storage tank removed when converted to gas in 1999              |  |  |  |
| Odours  | Odours from water damage   |  |  |  |
| Potable Water                                   | Well on site previously  |  |  |  |
| Septic and Wastewater Discharges                | Currently city septic. No previous knowledge of previous septic tank |  |  |  |
| Pesticides                                      | No knowledge   |  |  |  |
| Mould   | Yes, water damage  |  |  |  |
| Heating and Cooling Systems                     | Gas furnace, A/C not in operation                                    |  |  |  |
| Major Mechanical Equipment                      | None   |  |  |  |
| Waste Oils, Solvents, Batteries                 | None   |  |  |  |
| PCBs  | None   |  |  |  |
| Asbestos  | No knowledge   |  |  |  |
| Lead Paint                                      | No knowledge   |  |  |  |
| ODS   | None   |  |  |  |
| Electromagnetic Radiation                       | None   |  |  |  |
| UFFI  | No knowledge   |  |  |  |
| Mercury   | No knowledge   |  |  |  |
| Radon Gas                                       | No knowledge   |  |  |  |
| Soil and Groundwater Conditions                 | None   |  |  |  |
| Wells   | One well prior   |  |  |  |
| Waste Disposal and Recycling                    | Curb-side garbage pick up  |  |  |  |
| Fill Material                                   | None   |  |  |  |
| Floor Drains/OWS (Discharge Locations)          | Sewer system   |  |  |  |

| Table 7: Interview Record – 2830 Carling Avenue |                    |  |  |  |
|---|--------------------|--|--|--|
| Potential Environmental Concerns                | Interview Comments |  |  |  |
| Other   | None               |  |  |  |

Note that statements made by those interviewed were not made categorically and are limited to personal knowledge of, and experience with, the subject property. The significance of environmental concerns that have been identified by other methods was not reduced based on the interview statements.

# 5.2 810 Vick Avenue

McIntosh Perry personnel conducted an interview with Elizabeth Ross, current owner of 810 Carling Avenue, Ottawa Ontario. The interview was completed in person on September 30, 2020. This interview as completed in order to obtain information about the subject property pertaining to items of actual and/or potential environmental concern. Information collected during this interview was used to corroborate data from other sources, and is presented in Appendix E.

The information obtained from the interview is summarized as follows:

| Table 8: Interview Record – 810 Vick |                          |  |  |  |  |
|--------------------------------------|--------------------------|--|--|--|--|
| Potential Environmental Concerns     | Interview Comments       |  |  |  |  |
| Accidents/Spills                     | No knowledge             |  |  |  |  |
| Previous Use of Site                 | Residential              |  |  |  |  |
| Adjacent Properties                  | Residential              |  |  |  |  |
| Fuel Handling/Storage                | None                     |  |  |  |  |
| Maintenance/Operational Areas        | Basement                 |  |  |  |  |
| Hazardous Materials Storage          | None                     |  |  |  |  |
| Salt Storage                         | 1-2 bags                 |  |  |  |  |
| Fuel Storage Tanks                   | None                     |  |  |  |  |
| Odours                               | None                     |  |  |  |  |
| Potable Water                        | City water               |  |  |  |  |
| Septic and Wastewater Discharges     | Currently city septic    |  |  |  |  |
| Pesticides                           | None                     |  |  |  |  |
| Mould                                | None                     |  |  |  |  |
| Heating and Cooling Systems          | Gas furnace and A/C unit |  |  |  |  |
| Major Mechanical Equipment           | None                     |  |  |  |  |
| Waste Oils, Solvents, Batteries      | None                     |  |  |  |  |
| PCBs                                 | None                     |  |  |  |  |
| Asbestos                             | No knowledge             |  |  |  |  |
| Lead Paint                           | No knowledge             |  |  |  |  |
| ODS                                  | None                     |  |  |  |  |
| Electromagnetic Radiation            | None                     |  |  |  |  |
| UFFI                                 | None                     |  |  |  |  |
| Mercury                              | No knowledge             |  |  |  |  |

# Phase One Environmental Site Assessment 2830 Carling Avenue and 810 Vick Avenue, Ottawa, Ontario

| Table 8: Interview Record – 810 Vick   |                           |  |  |  |  |
|--|---------------------------|--|--|--|--|
| Potential Environmental Concerns       | Interview Comments        |  |  |  |  |
| Radon Gas                              | None                      |  |  |  |  |
| Soil and Groundwater Conditions        | None                      |  |  |  |  |
| Wells                                  | None                      |  |  |  |  |
| Waste Disposal and Recycling           | Curb-side garbage pick up |  |  |  |  |
| Fill Material                          | None                      |  |  |  |  |
| Floor Drains/OWS (Discharge Locations) | Sewer system              |  |  |  |  |
| Other                                  | None                      |  |  |  |  |

Note that statements made by those interviewed were not made categorically and are limited to personal knowledge of, and experience with, the subject property. The significance of environmental concerns that have been identified by other methods was not reduced based on the interview statements.

# 6.0 SITE RECONNAISSANCE

The objectives of the site reconnaissance were as follows:

- To identify potential environmental concerns associated with current and past uses of the Site;
- To identify Potentially Contaminating Activities (PCAs) on, in, or under the Site;
- To identify, as practical, current and past uses, activities, and PCAs in the vicinity of the Site; and,
- To identify details of potential contaminant pathways on, in, or under the Site and potential environmental concerns and contaminants of potential concern.

McIntosh Perry had open and ready access to all interior and exterior areas of the Site during the Site visit. McIntosh Perry accessed vacant common interior areas, as well as the basement of the residence.

# 6.1 General Requirements

McIntosh Perry conducted the Site reconnaissance on September 18 (from approximately 2:30 pm to 3:30 pm) and September 30, 2020 (approximately 1:00 pm to 1:30 pm). Bradley Sutherland and Monica Black of McIntosh Perry inspected all accessible interior and exterior areas of the Site and observed other properties in the Study Area from publicly accessible locations. The Site visit was conducted in accordance with McIntosh Perry's internal Health and Safety policy.

## 6.1.1 Qualifications of Assessors

Field assessment for this report was done by Bradley Sutherland, B.Sc. and Monica Black, B.Sc. of McIntosh Perry. Bradley and Monica have completed numerous Phase I/One and II/Two ESAs for residential, commercial and industrial properties across Ontario.

Reporting for this report was done by Monica Black, B.Sc. of McIntosh Perry. Monica has completed numerous Phase I/One and II/Two ESAs for residential, commercial and industrial properties across Ontario.

Senior review was undertaken by Meghan Coyle, P.Geo. Meghan is an Ontario licensed Professional Geoscientist and a Qualified Person (QP) under O.Reg. 153/04, as amended, and has completed numerous of Phase I/One and II/Two ESAs across Ontario.

McIntosh Perry is licensed to practice engineering and geoscience in the Province of Ontario. McIntosh Perry holds Certificates of Authorization with the Professional Engineers of Ontario (PEO) and the Professional Geoscientists of Ontario (PGO) and is a full member of the Consulting Engineers of Ontario (CEO).

## 6.1.2 Weather Conditions at Time of Inspection

Weather conditions at the time of the Site visit at 2830 Carling Avenue were cloudy and approximately 18 degrees Celsius.

Weather conditions at the time of the Site visit at 810 Vick Avenue were sunny and approximately 21 degrees Celsius.

### 6.1.3 Property Occupancy/Use Status at Time of Inspection

The Site currently operates as two separate single-family residential dwellings.

Land use in the vicinity is mainly residential, as shown on Figure 3.

### 6.1.4 Site Photographs

Photographs of the Site are included in Appendix F. A brief description is included with each photograph, including location and orientation where applicable.

# 6.2 Description of Investigations

The Phase One component of the current investigation is a preliminary environmental screening that aims to provide a qualitative assessment of the environmental condition of the site based on a review of available information pertaining to the Site, observations made during a Site visit, and information from interviews with people who have knowledge of the Site and its history.

The Phase I portion of the current investigation includes the following components:

- A review of available background information;
- Interviews with person(s) knowledgeable about the site;
- Site reconnaissance; and,
- Freedom of information requests (Ministry of the Environment, Conservation and Parks (MECP) and the Technical Standards and Safety Authority (TSSA))

### 6.2.1 Phase One Property

The Site is currently occupied by two single-family residential dwellings, constructed over one basement level. The exterior and interior inspections of the Site was conducted on September 18 and 30, 2020. Selected photographs are included in Appendix F.

### 6.2.2 Phase One Study Area

The Study Area consists of the Site and all properties within 250 m of the Site. The study area primarily consists of mainly residential dwellings.

### 6.2.3 Structures and Other Improvements

The Site is currently occupied by two single-family residential dwellings with one basement level. The remainder of the site includes a paved driveway, as well as some vegetated areas immediately in front of the residences and along the boundaries of the site.

The residences are heated through a natural gas furnace. No cooling system was observed at 2830 Carling Avenue, but an air conditioning unit was present at 810 Vick Avenue.

### 6.2.4 Below Ground Structures

Below-ground structures observed at the Site consisted of one basement level at both residences.

#### 6.2.5 Storage Tanks

No storage tanks were observed on Site.

#### 6.2.6 Hazardous Materials

No hazardous materials were observed on Site.

#### 6.2.7 Potable and Non-Potable Water Sources

The Site is municipally serviced by the City of Ottawa.

#### 6.2.8 Underground Service Trenches

Service trenches for water, sewer, and/or telephone services may be present at the Site. In general, underground service trenches are considered to have the potential to serve as preferential contaminant transport pathways. However, no underground service trenches were observed.

#### 6.2.9 Exit and Entry Points

All exit and entry points to the Site were inspected. No concerns were identified.

#### 6.2.10 Existing and Former Heating Systems

Both residences are heated by natural gas furnaces.

#### 6.2.11 Cooling Systems

Central cooling systems exist at both residences.

#### 6.2.12 Drains, Pits, and Sumps

One floor drain was observed in the basement of each dwelling. No pits or sumps were present at the Site.

#### 6.2.13 Unidentified Substances

No unidentified substances were observed during the Site visit.

#### 6.2.14 Stains and/or Corrosion Near Drains, Pits, and Sumps

No stains and/or corrosion near drains were observed.

#### 6.2.15 Well Details

A hand pump well at the front of the house on 2830 Carling Avenue was observed. The well is no longer in service.

### 6.2.16 Details of Sewage Works

The Site is serviced by the City of Ottawa municipal sewer system.

#### 6.2.17 Ground Surface Details

The ground surface surrounding the residences is covered with natural landscaped features (grass/shrubs/trees).

#### 6.2.18 Current and Former Railway Lines

No evidence of current or former railway lines were observed at the Site.

#### 6.2.19 Staining to Soil, Vegetation, or Pavement

No staining to the soil, vegetation or pavement was identified at the time of the Site visit.

#### 6.2.20 Stressed Vegetation

No stressed vegetation was observed during the Site visit.

#### 6.2.21 Fill and Debris

No significant fill was observed during the Site visit.

#### 6.2.22 Mould

Suspected mold was observed at 2830 Carling Avenue during the Site visit (Photo 7).

# 7.0 REVIEW AND EVALUATION OF INFORMATION

The following sections provide a review, and evaluation and an interpretation of the information from the records review, interviews and site reconnaissance.

# 7.1 Current and Past Uses of Phase I Property

The Site is currently occupied as two single-family residential dwellings. Based on a review of historical information, the Site was developed prior to in its current configuration in 1958.

# 7.2 Potentially Contaminating Activities (PCAs)

The following off-site PCAs were identified in the Phase One ESA Study Area. The PCAs are presented on Figure 5, corresponding to the numbers listed below.

| Table 9: Potentially Contaminating Activities |  |                                     |   |   |                       |   |  |  |
|---|--|-------------------------------------|---|---|-----------------------|---|--|--|
| No.   | Potential Contaminating<br>Activity (PCA)                              | Location of<br>PCA                  | Proximity of<br>PCA to Phase<br>One ESA<br>Property | Time<br>Frame<br>Associated<br>with PCA | Information<br>Source | Does the PCA warrant an<br>area of potential<br>environmental concern<br>(APEC) |  |  |
| 1   | Ontario Regulation 347<br>Waste Generator (see Table<br>3 for details) | 2881<br>Richmond<br>Road            | Approximately<br>240 meters<br>south                | Historic                                | ERIS                  | No - due to separation<br>distance from Site                                    |  |  |
| 2   | Ontario Spill Record (see<br>Table 4 for details)                      | 826 High<br>Street                  | Approximately<br>85 meters<br>southeast             | Historic                                | ERIS                  | No - due to separation<br>distance from Site and<br>size of spill               |  |  |
| 3   | Ontario Spill Record (see<br>Table 4 for details)                      | 2880 Carling<br>Avenue              | Approximately<br>110 meters<br>west                 | Historic                                | ERIS                  | No - due to separation<br>distance from Site and<br>size of spill               |  |  |
| 4   | Ontario Spill Record (see<br>Table 4 for details)                      | 2900 Carling<br>Avenue              | Approximately<br>193 meters<br>west                 | Historic                                | ERIS                  | No - due to separation<br>distance from Site                                    |  |  |
| 5   | Ontario Spill Record (see<br>Table 4 for details)                      | Carling<br>Street/Ritchie<br>Street | Approximately<br>253 meters<br>west                 | Historic                                | ERIS                  | No - due to separation<br>distance from Site                                    |  |  |

# 7.3 Areas of Potential Environmental Concern (APEC)

No APECs were identified on the Phase One ESA property or within the Phase One Study Area.

# 8.0 CONCLUSIONS AND RECOMMENDATIONS

Several PCAs were identified within the Phase One ESA study area. Due to the timelines associated with the previously mentioned events (any spills or leaks) and distances from the Site, these PCAs do not represent APECs to the Site.

# 8.1 Is a Phase 2 ESA Required?

Based on the absence of any APECs, a Phase Two ESA is *not* recommended for this Site.

Based on the age of the buildings on-Site it is recommended that a designated substance survey be completed prior to any demolition or renovation activities.

The water well located at 2830 Carling Avenue should be decommissioned by a licensed well technician prior to any work on the Site.

# 9.0 LIMITATIONS

This report has been prepared, and the work referred to in this report has been undertaken by, McIntosh Perry Consulting Engineers Ltd. for Holzman Consultants Inc.. It is intended for the sole and exclusive use of Holzman Consultants Inc. The report may not be relied upon by any other person or entity without the express written consent of McIntosh Perry Consulting Engineers Ltd. (in the form of a Reliance Letter).

Any use which a third party makes of this report, or any reliance on decisions made based on it, without a Reliance Letter are the responsibility of such third parties. McIntosh Perry Consulting Engineers Ltd. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

Some of the information presented in this report was provided through maps, air photographs, and environmental reports. While attempts were made, whenever possible, to obtain a minimum of two confirmatory sources of information, McIntosh Perry Consulting Engineers Ltd., has, in certain instances, been required to assume that the information provided is accurate.

The conclusions presented represent the best professional judgment of the assessor based on current environmental standards and on the Site conditions observed during the site inspection on September 18 and 30, 2020. Due to the nature of the investigation and the limited data available, the assessor cannot warrant against undiscovered environmental liabilities.

Should additional information become available, McIntosh Perry Consulting Engineers Ltd. requests that this information be brought to our attention so that we may re-assess the conclusions presented herein.

We trust that this information is satisfactory for your present requirements. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,

**McIntosh Perry**,

Coyle

Moria Block

Monica Black, B.Sc. Environmental Technician

Meghan Coyle, P.Geo., QP<sub>ESA</sub> Environmental Geoscientist

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# **10.0 REFERENCES**

Canadian Standards Association (CSA), Z768-01: Phase I Environmental Site Assessment, CSA International, Toronto, 2001 (Updated 2003, Reaffirmed 2012).

Natural Resources Canada (NRCAN), 2011. Geobase online mapping tool: Hydro Network GIS Data accessed through <http://geobase.ca/geobase/en/viewer.jsp?group=nhn>.

Ontario Geologic Survey (OGS), 2011 GIS Data for bedrock and surficial geology stratigraphy.

Ontario Ministry of the Environment, Conservation and Parks (MECP), Ontario Regulation (O.Reg.) 153/04; Records of Site Condition – Part XV.1 of the Act (i.e. The Environmental Protection Act), as amended.

Ontario Geological Survey (OGS), 2020 – Google Earth<sup>™</sup> (website: http://www.mndmf.gov.on.ca /mines/ogs\_earth \_e.asp).

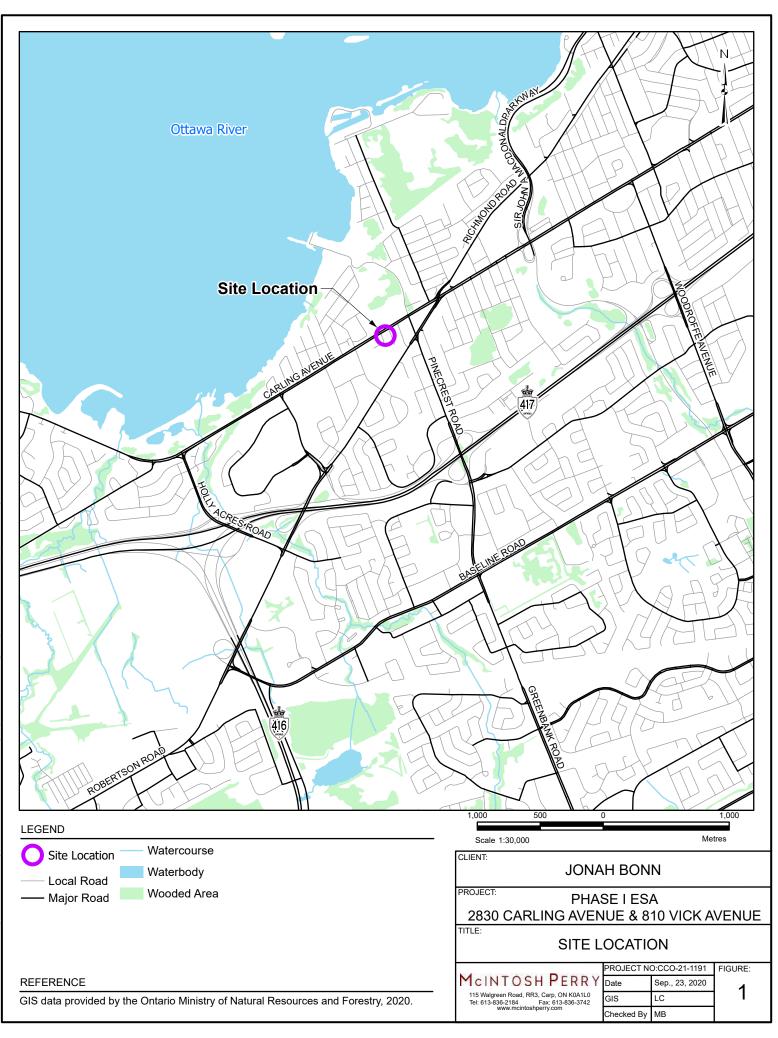
ERIS, 2020. Standard Report Results.

CCO-21-1191

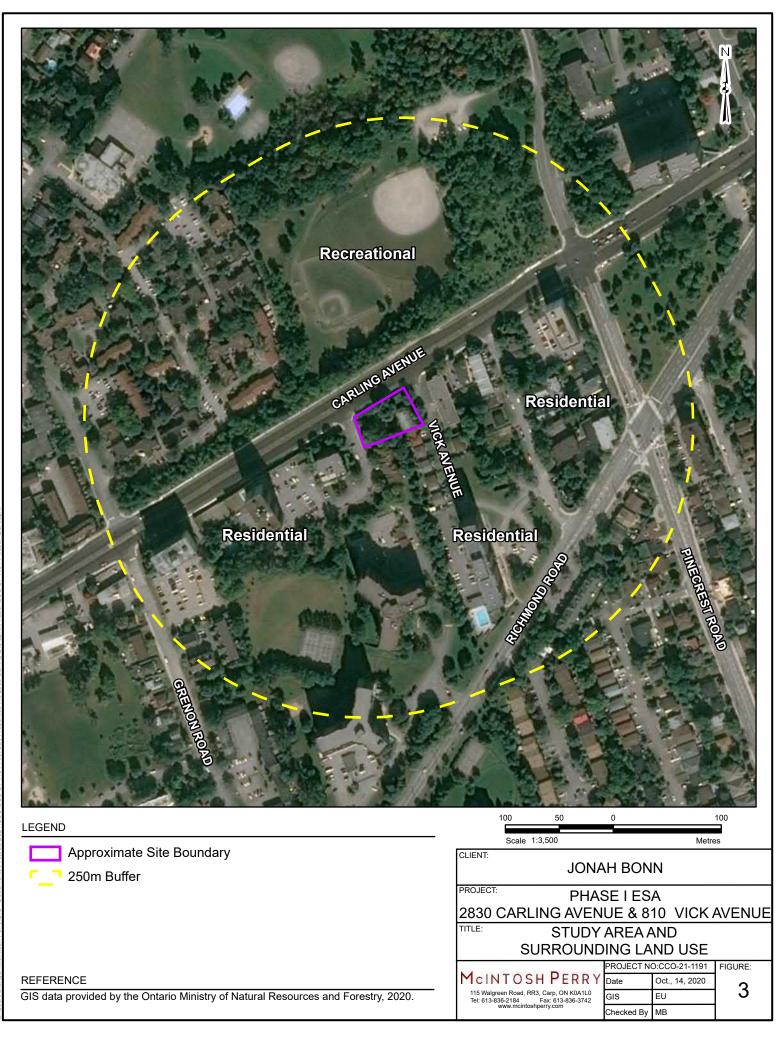
# PHASE I ENVIRONMENTAL SITE ASSESSMENT 2830 CARLING AND 810 VICK AVENUE, OTTAWA, ONTARIO

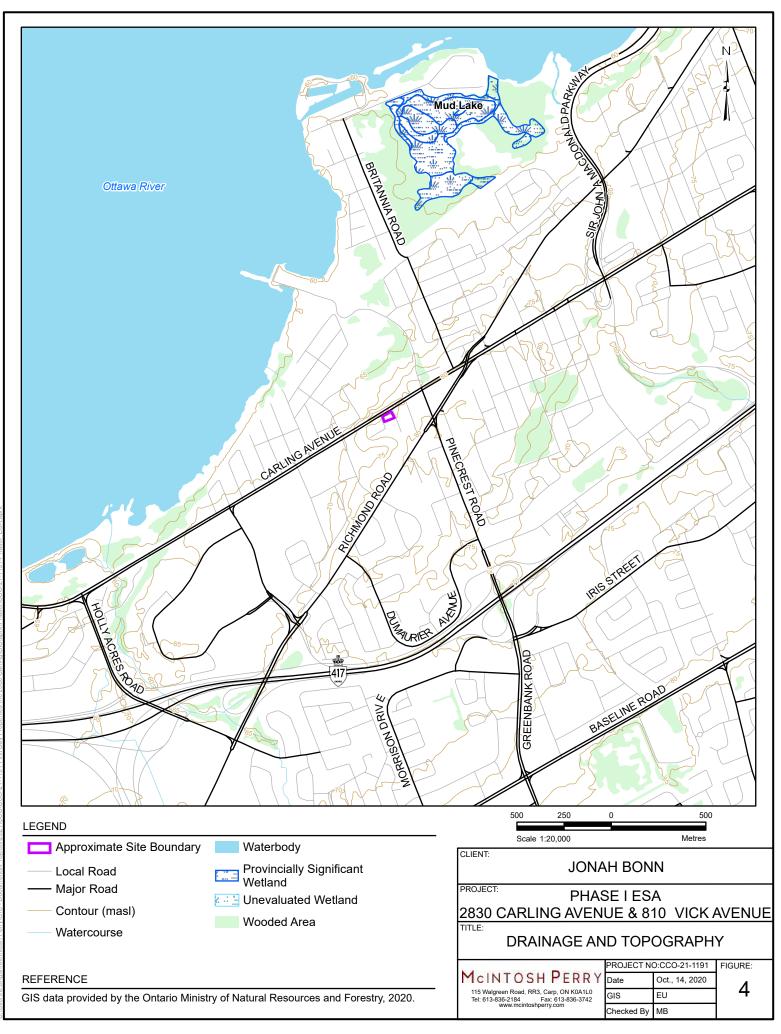


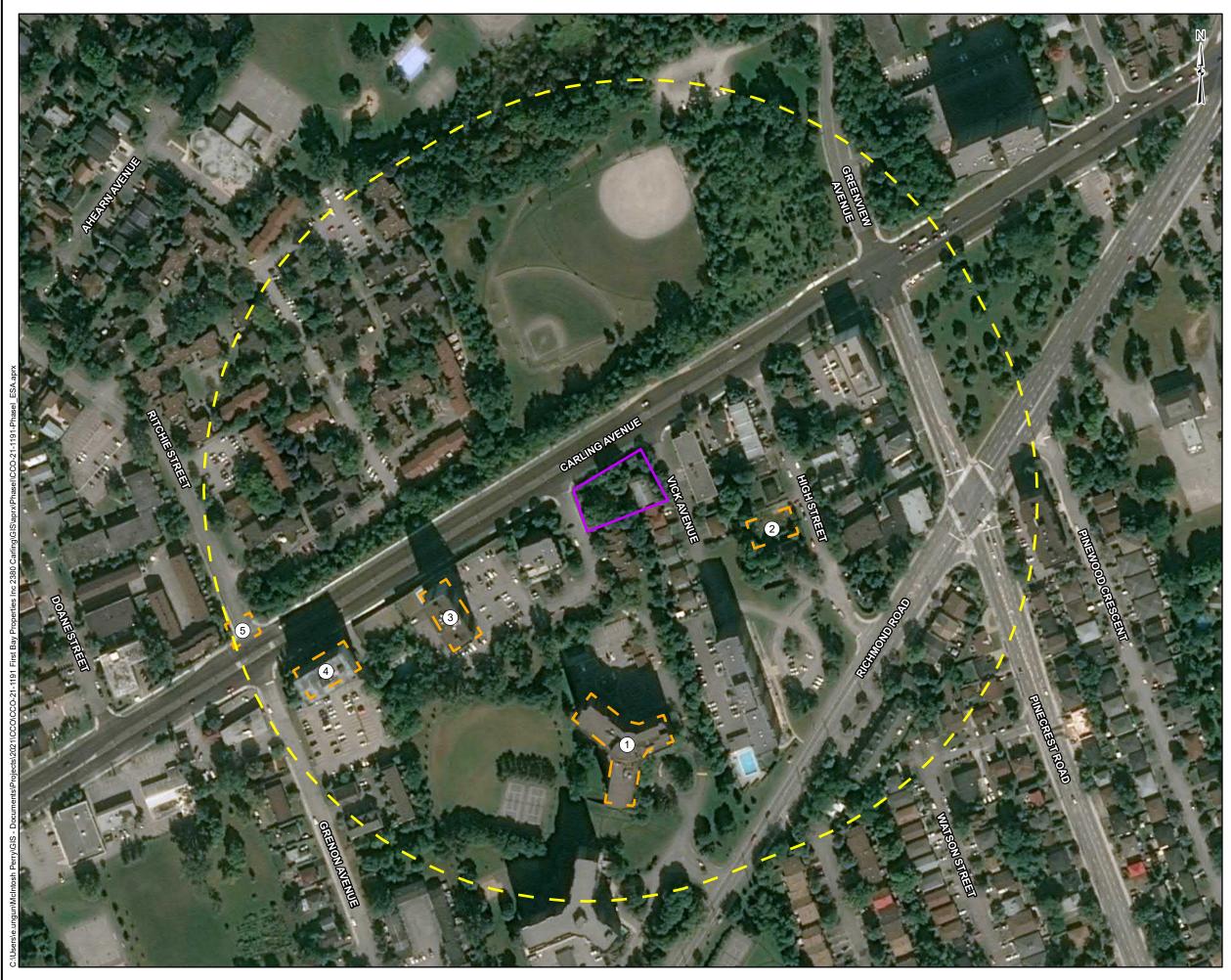












### I EGEND

| EGEN | EGEND                     |  |  |
|------|---------------------------|--|--|
|      |                           |  |  |
|      | Approximate Site Boundary |  |  |
|      | 250m Buffer               |  |  |
|      | PCA                       |  |  |
| 1    | 2881 Richmond Road        |  |  |

- Ontario Regulation 347 Waste Generator (see Table 3 for details) 1
- 2
- 826 High Street Ontario Spill Record (see Table 4 for details)
- 3 <u>2880 Carling Avenue</u> Ontario Spill Record (see Table 4 for details) 4
- <u>2900 Carling Avenue</u> Ontario Spill Record (see Table 4 for details)
- Carling Street/Ritchie Street Ontario Spill Record (see Table 4 for details) 5

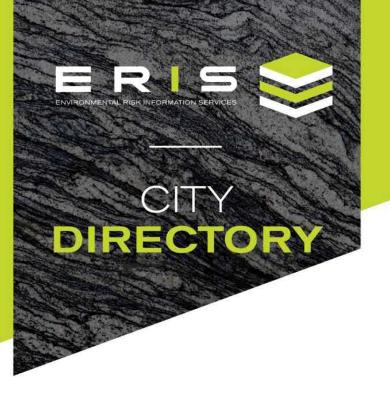
| REFERENCE  |                      |                |          |
|--|----------------------|----------------|----------|
| GIS data provided by the Ontar   | io Ministry          | of Natural R   | esources |
| and Forestry, 2020.  |                      |                |          |
| 80 40  | 0                    |                | 80       |
| Scale 1:2,500  |                      | Ме             | etres    |
| CLIENT:  |                      |                |          |
| JONA   | H BON                | N              |          |
| PROJECT: PHAS  | SEIES                | A              |          |
| 2830 CARLING AVEN  | UE & 8               | 10 VICK        | AVENUE   |
| TITLE: POTENTIALLY CONTAMINATING ACTIVITIES (PCA'S)                            |                      |                |          |
|  | ENTIAL E<br>RN (APE) |                | IIAL     |
|  |                      | O:CCO-21-1191  | FIGURE:  |
| MCINTOSH PERRY   | Date                 | Oct., 14, 2020 | E        |
| 115 Walgreen Road, RR3, Carp, ON K0A1L0<br>Tel: 613-836-2184 Fax: 613-836-3742 | GIS                  | EU             | 5        |
| www.mcintoshperry.com  | Checked By           | MB             |          |

# PHASE I ENVIRONMENTAL SITE ASSESSMENT 2830 CARLING AND 810 VICK AVENUE, OTTAWA, ONTARIO



## **APPENDIX A – CITY DIRECTORY**

# McINTOSH PERRY



Project Property: Report Type: Order No: Information Source: Date Completed: Ottawa, Ontario City Directory 20290200512 Vernon's Ottawa, ON, City Directory 09/09/2020

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

### **City Directory Information Source**

Vernon's Ottawa, ON, City Directory

| <b>PROJECT NUMBER</b> : 20290200512 |                            |
|-------------------------------------|----------------------------|
| Site Address:                       | Ottawa, Ontario            |
|                                     |                            |
| Year: 2011                          |                            |
|                                     |                            |
|                                     |                            |
| Site Listing:                       | -No Civic Address          |
|                                     |                            |
| Adjacent Properties:                |                            |
|                                     |                            |
| 2805 Carling Avenue                 | -Address Not Listed        |
|                                     |                            |
|                                     |                            |
| 2880 Carling Avenue                 | -Multi-Tenant Residential  |
|                                     | -Timbercreek asset mgmt.   |
|                                     | -Pure dance Ottawa         |
|                                     |                            |
| 837 Grenon Avenue                   | -Address Not Listed        |
|                                     |                            |
|                                     |                            |
| 2764 Richmond Road                  | -Creatrix Design Studios   |
|                                     |                            |
| 2881 Richmond Road                  | -Multi-Tenant Residential  |
|                                     | -Dream catcher residential |
|                                     |                            |
|                                     |                            |



| 73 Ritchie Street | -Multi-Tenant Residential |
|-------------------|---------------------------|
|                   |                           |

| <b>PROJECT NUMBER</b> : 20290200512 |  |
|-------------------------------------|--|
| Site Address:                       | Ottawa, Ontario                                      |
| Year: 2006-07                       |  |
| Site Listing:                       | -No Civic Address                                    |
| Adjacent Properties:                |  |
| 2805 Carling Avenue                 | -Address Not Listed                                  |
| 2880 Carling Avenue                 | -Multi-Tenant Residential                            |
| 837 Grenon Avenue                   | -Address Not Listed                                  |
| 2764 Richmond Road                  | -Creatrix Design Studios                             |
| 2881 Richmond Road                  | -Multi-Tenant Residential<br>-Premstar metering inc. |
| 73 Ritchie Street                   | -Multi-Tenant Residential                            |
|                                     |  |



| Ottawa, Ontario                              |
|--|
|  |
|  |
| -No Civic Address                            |
|  |
|  |
| -Address Not Listed                          |
| -Multi-Tenant Residential<br>-Sunset heights |
| -Address Not Listed                          |
|  |
| -Creatrix Design Studios                     |
| -Multi-Tenant Residential                    |
| -Multi-Tenant Residential                    |
|  |

| <b>PROJECT NUMBER</b> : 20290200512 |                 |
|-------------------------------------|-----------------|
| Site Address:                       | Ottawa, Ontario |



| Year: 1996-97        |                           |
|----------------------|---------------------------|
|                      |                           |
|                      |                           |
| Site Listing:        | -No Civic Address         |
|                      |                           |
|                      |                           |
| Adjacent Properties: |                           |
|                      |                           |
|                      |                           |
| 2805 Carling Avenue  | -Address Not Listed       |
|                      |                           |
|                      |                           |
| 2880 Carling Avenue  | -Multi-Tenant Residential |
| 2000 Carling Avenue  |                           |
|                      |                           |
| 027.0000 00 000000   | A deluces Net Listed      |
| 837 Grenon Avenue    | -Address Not Listed       |
|                      |                           |
|                      |                           |
| 2764 Richmond Road   | -Res (1 Tenant)           |
|                      |                           |
|                      |                           |
| 2881 Richmond Road   | -Multi-Tenant Residential |
|                      |                           |
|                      |                           |
| 73 Ritchie Street    | -Multi-Tenant Residential |
|                      |                           |

| <b>PROJECT NUMBER</b> : 20290200512 |                 |
|-------------------------------------|-----------------|
| Site Address:                       | Ottawa, Ontario |
|                                     |                 |
| Year: 1992                          |                 |
|                                     |                 |



| Site Listing:        | -No Civic Address                                  |
|----------------------|--|
| Adjacent Properties: |  |
|                      |  |
| 2805 Carling Avenue  | -Address Not Listed                                |
| 2880 Carling Avenue  | -Multi-Tenant Residential                          |
| 837 Grenon Avenue    | -Address Not Listed                                |
| 2764 Richmond Road   | -Res (1 Tenant)                                    |
|                      |  |
| 2881 Richmond Road   | -Multi-Tenant Residential<br>-Shelter corp of can. |
|                      | -Regional office                                   |
| 73 Ritchie Street    | -Multi-Tenant Residential                          |

| <b>PROJECT NUMBER</b> : 20290200512 |                   |
|-------------------------------------|-------------------|
| Site Address:                       | Ottawa, Ontario   |
|                                     |                   |
| Year: 1987                          |                   |
|                                     |                   |
| Site Listing:                       | -No Civic Address |



| Adjacent Properties: |                           |
|----------------------|---------------------------|
|                      |                           |
| 2805 Carling Avenue  | -Address Not Listed       |
|                      |                           |
|                      |                           |
| 2880 Carling Avenue  | -Multi-Tenant Residential |
|                      |                           |
| 837 Grenon Avenue    | -Address Not Listed       |
|                      |                           |
|                      |                           |
| 2764 Richmond Road   | -Res (1 Tenant)           |
|                      |                           |
| 2881 Richmond Road   | -Multi-Tenant Residential |
|                      |                           |
|                      | -Shelter corp of can.     |
|                      | -Regional office          |
|                      |                           |
|                      |                           |
| 73 Ritchie Street    | -Multi-Tenant Residential |
|                      |                           |

| <b>PROJECT NUMBER</b> : 20290200512 |                   |
|-------------------------------------|-------------------|
| Site Address:                       | Ottawa, Ontario   |
|                                     |                   |
| Year: 1981-82                       |                   |
|                                     |                   |
| Site Listing:                       | -No Civic Address |
|                                     |                   |



| -Address Not Listed       |   |
|---------------------------|---|
| -Multi-Tenant Residential |   |
| -Address Not Listed       |   |
| -Res (1 Tenant)           |   |
| -Multi-Tenant Residential |   |
| -Multi-Tenant Residential |   |
|                           | -Multi-Tenant Residential<br>-Address Not Listed<br>-Res (1 Tenant) |

| <b>PROJECT NUMBER</b> : 20290200512 |                     |
|-------------------------------------|---------------------|
| Site Address:                       | Ottawa, Ontario     |
|                                     |                     |
| Year: 1977-78                       |                     |
|                                     |                     |
| Site Listing:                       | -No Civic Address   |
|                                     |                     |
| Adjacent Properties:                |                     |
|                                     |                     |
| 2805 Carling Avenue                 | -Address Not Listed |



| 2880 Carling Avenue | -Multi-Tenant Residential |  |
|---------------------|---------------------------|--|
|                     |                           |  |
| 837 Grenon Avenue   | -Address Not Listed       |  |
|                     |                           |  |
| 2764 Richmond Road  | -Res (1 Tenant)           |  |
|                     |                           |  |
| 2881 Richmond Road  | -Address Not Listed       |  |
|                     |                           |  |
| 73 Ritchie Street   | -Multi-Tenant Residential |  |

| <b>PROJECT NUMBER</b> : 20290200512 |                     |
|-------------------------------------|---------------------|
| Site Address:                       | Ottawa, Ontario     |
| Year: 1972                          |                     |
|                                     |                     |
| Site Listing:                       | -No Civic Address   |
| Adjacent Properties:                |                     |
| 2805 Carling Avenue                 | -Address Not Listed |
| 2880 Carling Avenue                 | -Address Not Listed |
|                                     |                     |



| 837 Grenon Avenue  | -Address Not Listed       |
|--------------------|---------------------------|
|                    |                           |
| 2764 Richmond Road | -No Return                |
|                    |                           |
| 2881 Richmond Road | -Address Not Listed       |
|                    |                           |
| 73 Ritchie Street  | -Multi-Tenant Residential |

| Ottawa, Ontario     |
|---------------------|
|                     |
| -No Civic Address   |
|                     |
| -Address Not Listed |
| -Address Not Listed |
| -Res (1 Tenant)     |
| -No Return          |
|                     |



| 2881 Richmond Road | -Address Not Listed |
|--------------------|---------------------|
|                    |                     |
| 73 Ritchie Street  | -Address Not Listed |

| Ottawa, Ontario     |
|---------------------|
|                     |
|                     |
|                     |
| -No Civic Address   |
|                     |
|                     |
|                     |
| -Address Not Listed |
|                     |
| -Address Not Listed |
|                     |
| -Res (1 Tenant)     |
|                     |
| -Res (1 Tenant)     |
|                     |
| -Address Not Listed |
|                     |
|                     |



| 73 Ritchie Street | -Address Not Listed |
|-------------------|---------------------|
|                   |                     |

| <b>PROJECT NUMBER</b> : 20290200512 |                     |
|-------------------------------------|---------------------|
|                                     | Ottown Outoria      |
| Site Address:                       | Ottawa, Ontario     |
|                                     |                     |
| Year: 1957                          |                     |
|                                     |                     |
|                                     |                     |
| Site Listing:                       | -No Civic Address   |
|                                     |                     |
|                                     |                     |
| Adjacent Properties:                |                     |
|                                     |                     |
|                                     |                     |
| 2805 Carling Avenue                 | -Address Not Listed |
|                                     |                     |
| 2880 Carling Avenue                 | -Address Not Listed |
| -                                   |                     |
|                                     |                     |
| 837 Grenon Avenue                   | -Address Not Listed |
| _                                   |                     |
|                                     |                     |
| 2764 Richmond Road                  | -Address Not Listed |
|                                     |                     |
| 2881 Richmond Road                  | -Address Not Listed |
|                                     |                     |
|                                     |                     |
| 73 Ritchie Street                   | -Address 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.



# PHASE I ENVIRONMENTAL SITE ASSESSMENT 2830 CARLING AND 810 VICK AVENUE, OTTAWA, ONTARIO



## **APPENDIX B – ERIS REPORT**

# MCINTOSH PERRY



**Project Property:** 

Project No: Report Type: Order No: Requested by: Date Completed: 2830 Carling Ph ONE ESA 2830 Carling Ave Ottawa ON K2B 7J4 CCO-21-1191 Quote - Custom-Build Your Own Report 20290200512 McIntosh Perry Consulting Engineers September 8, 2020

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### **Executive Summary**

#### Property Information:

**Project Property:** 

**Project No:** 

2830 Carling Ph ONE ESA 2830 Carling Ave Ottawa ON K2B 7J4

CCO-21-1191

#### Order Information:

Order No: Date Requested: Requested by: Report Type: 20290200512 September 2, 2020 McIntosh Perry Consulting Engineers Quote - Custom-Build Your Own Report

#### Historical/Products:

Aerial Photographs City Directory Search Insurance Products Aerials - National Collection CD - Subject Site plus 20 Adjacent Properties Fire Insurance Maps/Inspection Reports/Site Plans

### Executive Summary: Report Summary

| Database | Name   | Searched | Project<br>Property | Boundary<br>to 0.25km | Total |
|----------|--|----------|---------------------|-----------------------|-------|
| AAGR     | Abandoned Aggregate Inventory  | Y        | 0                   | 0                     | 0     |
| AGR      | Aggregate Inventory  | Y        | 0                   | 0                     | 0     |
| AMIS     | Abandoned Mine Information System                                    | Y        | 0                   | 0                     | 0     |
| ANDR     | Anderson's Waste Disposal Sites                                      | Y        | 0                   | 0                     | 0     |
| AST      | Aboveground Storage Tanks  | Y        | 0                   | 0                     | 0     |
| AUWR     | Automobile Wrecking & Supplies                                       | Y        | 0                   | 0                     | 0     |
| BORE     | Borehole   | Y        | 1                   | 6                     | 7     |
| CA       | Certificates of Approval   | Y        | 0                   | 0                     | 0     |
| CDRY     | Dry Cleaning Facilities  | Y        | 0                   | 0                     | 0     |
| CFOT     | Commercial Fuel Oil Tanks  | Y        | 0                   | 0                     | 0     |
| CHEM     | Chemical Register  | Y        | 0                   | 0                     | 0     |
| CNG      | Compressed Natural Gas Stations                                      | Y        | 0                   | 0                     | 0     |
| COAL     | Inventory of Coal Gasification Plants and Coal Tar<br>Sites          | Y        | 0                   | 0                     | 0     |
| CONV     | Compliance and Convictions   | Y        | 0                   | 0                     | 0     |
| CPU      | Certificates of Property Use   | Y        | 0                   | 0                     | 0     |
| DRL      | Drill Hole Database  | Y        | 0                   | 0                     | 0     |
| EASR     | Environmental Activity and Sector Registry                           | Y        | 0                   | 0                     | 0     |
| EBR      | Environmental Registry   | Y        | 0                   | 0                     | 0     |
| ECA      | Environmental Compliance Approval                                    | Y        | 0                   | 1                     | 1     |
| EEM      | Environmental Effects Monitoring                                     | Y        | 0                   | 0                     | 0     |
| EHS      | ERIS Historical Searches   | Y        | 0                   | 6                     | 6     |
| EIIS     | Environmental Issues Inventory System                                | Y        | 0                   | 0                     | 0     |
| EMHE     | Emergency Management Historical Event                                | Y        | 0                   | 0                     | 0     |
| EPAR     | Environmental Penalty Annual Report                                  | Y        | 0                   | 0                     | 0     |
| EXP      | List of Expired Fuels Safety Facilities                              | Y        | 0                   | 0                     | 0     |
| FCON     | Federal Convictions  | Y        | 0                   | 0                     | 0     |
| FCS      | Contaminated Sites on Federal Land                                   | Y        | 0                   | 0                     | 0     |
| FOFT     | Fisheries & Oceans Fuel Tanks  | Y        | 0                   | 0                     | 0     |
| FRST     | Federal Identification Registry for Storage Tank<br>Systems (FIRSTS) | Y        | 0                   | 0                     | 0     |
| FST      | Fuel Storage Tank  | Y        | 0                   | 0                     | 0     |
| FSTH     | Fuel Storage Tank - Historic   | Y        | 0                   | 0                     | 0     |
| GEN      | Ontario Regulation 347 Waste Generators Summary                      | Y        | 0                   | 3                     | 3     |
| GHG      | Greenhouse Gas Emissions from Large Facilities                       | Y        | 0                   | 0                     | 0     |
| HINC     | TSSA Historic Incidents  | Y        | 0                   | 0                     | 0     |
| IAFT     | Indian & Northern Affairs Fuel Tanks                                 | Y        | 0                   | 0                     | 0     |
| INC      | Fuel Oil Spills and Leaks  | Y        | 0                   | 0                     | 0     |

| Database | Name   | Searched | Project<br>Property | Boundary<br>to 0.25km | Total  |
|----------|--|----------|---------------------|-----------------------|--------|
| LIMO     | Landfill Inventory Management Ontario  | Y        | 0                   | 0                     | 0      |
| MINE     | Canadian Mine Locations  | Y        | 0                   | 0                     | 0      |
| MNR      | Mineral Occurrences  | Y        | 0                   | 0                     | 0      |
| NATE     | National Analysis of Trends in Emergencies System<br>(NATES)   | Y        | 0                   | 0                     | 0      |
| NCPL     | Non-Compliance Reports   | Ŷ        | 0                   | 0                     | 0      |
| NDFT     | National Defense & Canadian Forces Fuel Tanks  | Ŷ        | 0                   | 0                     | 0      |
| NDSP     | National Defense & Canadian Forces Spills  | Ŷ        | 0                   | 0                     | 0      |
| NDWD     | National Defence & Canadian Forces Waste Disposal<br>Sites<br>National Energy Board Pipeline Incidents | Y<br>Y   | 0<br>0              | 0<br>0                | 0<br>0 |
| NEBP     | National Energy Board Wells  | Ŷ        | 0                   | 0                     | 0      |
| NEES     | National Environmental Emergencies System (NEES)   | Ŷ        | 0                   | 0                     | 0      |
| NPCB     | National PCB Inventory   | Ŷ        | 0                   | 0                     | 0      |
| NPRI     | National Pollutant Release Inventory   | Ŷ        | 0                   | 0                     | 0      |
| OGWE     | Oil and Gas Wells  | Ŷ        | 0                   | 0                     | 0      |
| OOGW     | Ontario Oil and Gas Wells  | Y        | 0                   | 0                     | 0      |
| OPCB     | Inventory of PCB Storage Sites   | Y        | 0                   | 0                     | 0      |
| ORD      | Orders   | Y        | 0                   | 0                     | 0      |
| PAP      | Canadian Pulp and Paper  | Y        | 0                   | 0                     | 0      |
| PCFT     | Parks Canada Fuel Storage Tanks  | Y        | 0                   | 0                     | 0      |
| PES      | Pesticide Register   | Y        | 0                   | 0                     | 0      |
| PINC     | Pipeline Incidents   | Y        | 0                   | 0                     | 0      |
| PRT      | Private and Retail Fuel Storage Tanks  | Y        | 0                   | 0                     | 0      |
| PTTW     | Permit to Take Water   | Y        | 0                   | 0                     | 0      |
| REC      | Ontario Regulation 347 Waste Receivers Summary   | Y        | 0                   | 0                     | 0      |
| RSC      | Record of Site Condition   | Y        | 0                   | 0                     | 0      |
| RST      | Retail Fuel Storage Tanks  | Y        | 0                   | 0                     | 0      |
| SCT      | Scott's Manufacturing Directory  | Y        | 0                   | 0                     | 0      |
| SPL      | Ontario Spills   | Y        | 0                   | 4                     | 4      |
| SRDS     | Wastewater Discharger Registration Database  | Y        | 0                   | 0                     | 0      |
| TANK     | Anderson's Storage Tanks   | Y        | 0                   | 0                     | 0      |
| TCFT     | Transport Canada Fuel Storage Tanks  | Y        | 0                   | 0                     | 0      |
| VAR      | Variances for Abandonment of Underground Storage<br>Tanks  | Y        | 0                   | 0                     | 0      |
| WDS      | Waste Disposal Sites - MOE CA Inventory  | Y        | 0                   | 0                     | 0      |
| WDSH     | Waste Disposal Sites - MOE 1991 Historical Approval<br>Inventory                                       | Y        | 0                   | 0                     | 0      |
| WWIS     | Water Well Information System  | Y        | 1                   | 7                     | 8      |
|          | -  | Total:   | 2                   | 27                    | 29     |

### Executive Summary: Site Report Summary - Project Property

| Map<br>Key | DB   | Company/Site Name | Address | Dir/Dist (m) | Elev diff<br>(m) | Page<br>Number |
|------------|------|-------------------|---------|--------------|------------------|----------------|
| <u>1</u>   | BORE |                   | ON      | SW/0.0       | 0.29             | <u>17</u>      |
| 2          | WWIS |                   | ON      | SW/0.0       | 0.29             | <u>18</u>      |

Well ID: 1507998

### Executive Summary: Site Report Summary - Surrounding Properties

| Map<br>Key | DB   | Company/Site Name                                      | Address   | Dir/Dist (m) | Elev Diff<br>(m) | Page<br>Number |
|------------|------|--|---|--------------|------------------|----------------|
| <u>3</u>   | EHS  |  | 2880 Carling Ave<br>Ottawa ON K2B7Z1                                      | SSE/77.0     | -0.71            | <u>21</u>      |
| <u>4</u>   | BORE |  | ON  | SSW/93.4     | -0.71            | <u>21</u>      |
| <u>5</u>   | SPL  | FRANCIS FUELS  | 826 HIGH ST (IN FRONT OF) TANK<br>TRUCK (CARGO)<br>OTTAWA CITY ON K2B 6C4 | E/96.4       | 0.29             | <u>22</u>      |
| <u>5</u>   | ECA  | Marchurst Development Group<br>Inc.                    | 826 High St<br>Ottawa ON  | E/96.4       | 0.29             | <u>22</u>      |
| <u>6</u>   | WWIS |  | ON<br><i>Well ID:</i> 1508282   | E/101.9      | 0.29             | <u>23</u>      |
| <u>7</u>   | SPL  | Sunset Heights<br>Apartments <unofficial></unofficial> | 2880 Carling Avenue<br>Ottawa ON K2B 7Z1                                  | WSW/102.9    | 0.09             | <u>26</u>      |
| <u>Z</u>   | GEN  | Timbercreek Asset Management                           | 2880 Carling Avenue<br>Ottawa ON  | WSW/102.9    | 0.09             | <u>26</u>      |
| <u>8</u>   | BORE |  | ON  | SW/105.7     | -0.71            | <u>26</u>      |
| <u>9</u>   | WWIS |  | ON<br>Well ID: 1508280  | ESE/121.6    | 0.29             | <u>28</u>      |
| <u>9</u>   | WWIS |  | ON<br><i>Well ID:</i> 1508281   | ESE/121.6    | 0.29             | <u>31</u>      |
| <u>10</u>  | GEN  | RICHMOND HEIGHTS<br>APARTMENTS                         | 2841 RICHMOND ROAD<br>OTTAWA ON   | SE/142.4     | 0.29             | <u>33</u>      |
| <u>11</u>  | BORE |  | ON  | ESE/147.0    | 1.08             | <u>34</u>      |



| Мар<br>Кеу | DB   | Company/Site Name                        | Address  | Dir/Dist (m) | Elev Diff<br>(m) | Page<br>Number |
|------------|------|--|--|--------------|------------------|----------------|
| <u>12</u>  | wwis |  | ON<br><i>Well ID:</i> 1507995  | W/150.0      | -12.88           | <u>35</u>      |
| <u>13</u>  | WWIS |  | ON<br><b>Well ID:</b> 1507984  | SE/164.7     | 0.25             | <u>37</u>      |
| <u>14</u>  | EHS  |  | 2841 Richmond Road<br>Ottawa ON K2B 6C5                                    | ESE/170.6    | 0.98             | <u>40</u>      |
| <u>15</u>  | EHS  |  | 826 Pinecrest Road<br>Ottawa ON  | E/182.3      | 1.29             | <u>40</u>      |
| <u>16</u>  | EHS  |  | 822 Pinecrest Rd<br>Ottawa ON K2B6A9                                       | E/183.0      | 1.29             | <u>40</u>      |
| <u>17</u>  | EHS  |  | 2880 & 2900 Carling Avenue<br>Ottawa ON                                    | WSW/202.7    | -9.47            | <u>41</u>      |
| <u>18</u>  | BORE |  | ON   | ENE/204.7    | 1.04             | <u>41</u>      |
| <u>19</u>  | SPL  | Ottawa Transit <unofficial></unofficial> | 2900 Carling Avenue<br>Ottawa ON   | WSW/206.7    | -6.19            | <u>42</u>      |
| <u>20</u>  | WWIS |  | ON<br><i>Well ID:</i> 1508548  | NW/225.7     | -13.71           | <u>42</u>      |
| <u>21</u>  | BORE |  | ON   | NW/225.7     | -13.71           | <u>45</u>      |
| <u>22</u>  | WWIS |  | ON<br><b>Well ID:</b> 1508640  | ESE/231.7    | 1.29             | <u>46</u>      |
| <u>23</u>  | SPL  | City of Ottawa                           | Carling Street / Ritchie<br>Street <unofficial><br/>Ottawa ON</unofficial> | WSW/239.8    | -10.77           | <u>48</u>      |
| <u>24</u>  | GEN  | HOMESTEAD LAND HOLDINGS<br>LTD           | 2881 RICHMOND RD<br>OTTAWA ON K2B7Z4                                       | S/242.1      | -1.02            | <u>49</u>      |

| Мар<br>Кеу | DB   | Company/Site Name | Address                                    | Dir/Dist (m) | Elev Diff<br>(m) | Page<br>Number |
|------------|------|-------------------|--|--------------|------------------|----------------|
| <u>25</u>  | BORE |                   | ON   | ENE/244.6    | 1.29             | <u>49</u>      |
| <u>26</u>  | EHS  |                   | 838 PINEWOOD CRESCENT<br>OTTAWA ON K2B 8B7 | E/249.6      | 1.29             | <u>51</u>      |

## Executive Summary: Summary By Data Source

### BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 7 BORE site(s) within approximately 0.25 kilometers of the project property.

| Site | Address<br>ON | Distance (m)<br>0.0 | <u>Map Key</u><br><u>1</u> |
|------|---------------|---------------------|----------------------------|
|      | ON            | 93.4                | <u>4</u>                   |
|      | ON            | 105.7               | <u>8</u>                   |
|      | ON            | 147.0               | <u>11</u>                  |
|      | ON            | 204.7               | <u>18</u>                  |
|      | ON            | 225.7               | <u>21</u>                  |
|      | ON            | 244.6               | <u>25</u>                  |

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

A search of the ECA database, dated Oct 2011-Jul 31, 2020 has found that there are 1 ECA site(s) within approximately 0.25 kilometers of the project property.

| Site                             | Address                  | <u>Distance (m)</u> | <u>Map Key</u> |
|----------------------------------|--------------------------|---------------------|----------------|
| Marchurst Development Group Inc. | 826 High St<br>Ottawa ON | 96.4                | <u>5</u>       |

<u>Site</u>

<u>Map Key</u>

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

A search of the EHS database, dated 1999-Jul 31, 2020 has found that there are 6 EHS site(s) within approximately 0.25 kilometers of the project property.

| Address<br>2880 Carling Ave<br>Ottawa ON K2B7Z1 | <b>Distance (m)</b><br>77.0 | <u>Map Key</u><br><u>3</u> |
|---|-----------------------------|----------------------------|
| 2841 Richmond Road<br>Ottawa ON K2B 6C5         | 170.6                       | <u>14</u>                  |
| 826 Pinecrest Road<br>Ottawa ON                 | 182.3                       | <u>15</u>                  |
| 822 Pinecrest Rd<br>Ottawa ON K2B6A9            | 183.0                       | <u>16</u>                  |
| 2880 & 2900 Carling Avenue<br>Ottawa ON         | 202.7                       | <u>17</u>                  |
| 838 PINEWOOD CRESCENT<br>OTTAWA ON K2B 8B7      | 249.6                       | <u>26</u>                  |

### **<u>GEN</u>** - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2020 has found that there are 3 GEN site(s) within approximately 0.25 kilometers of the project property.

| Site                         | Address                          | <u>Distance (m)</u> | <u>Map Key</u> |
|------------------------------|----------------------------------|---------------------|----------------|
| Timbercreek Asset Management | 2880 Carling Avenue<br>Ottawa ON | 102.9               | <u>7</u>       |
| RICHMOND HEIGHTS APARTMENTS  | 2841 RICHMOND ROAD<br>OTTAWA ON  | 142.4               | <u>10</u>      |

11

| Site                        | Address                              | <u>Distance (m)</u> | <u>Map Key</u> |
|-----------------------------|--------------------------------------|---------------------|----------------|
| HOMESTEAD LAND HOLDINGS LTD | 2881 RICHMOND RD<br>OTTAWA ON K2B7Z4 | 242.1               | <u>24</u>      |

#### SPL - Ontario Spills

A search of the SPL database, dated 1988-Nov 2019 has found that there are 4 SPL site(s) within approximately 0.25 kilometers of the project property.

| Site   | Address   | <u>Distance (m)</u> | <u>Map Key</u> |
|--|---|---------------------|----------------|
| FRANCIS FUELS  | 826 HIGH ST (IN FRONT OF) TANK TRUCK<br>(CARGO)<br>OTTAWA CITY ON K2B 6C4 | 96.4                | <u>5</u>       |
| Sunset Heights<br>Apartments <unofficial></unofficial> | 2880 Carling Avenue<br>Ottawa ON K2B 7Z1                                  | 102.9               | <u>7</u>       |
| Ottawa Transit <unofficial></unofficial>               | 2900 Carling Avenue<br>Ottawa ON  | 206.7               | <u>19</u>      |
| City of Ottawa   | Carling Street / Ritchie Street <unofficial><br/>Ottawa ON</unofficial>   | 239.8               | <u>23</u>      |

### WWIS - Water Well Information System

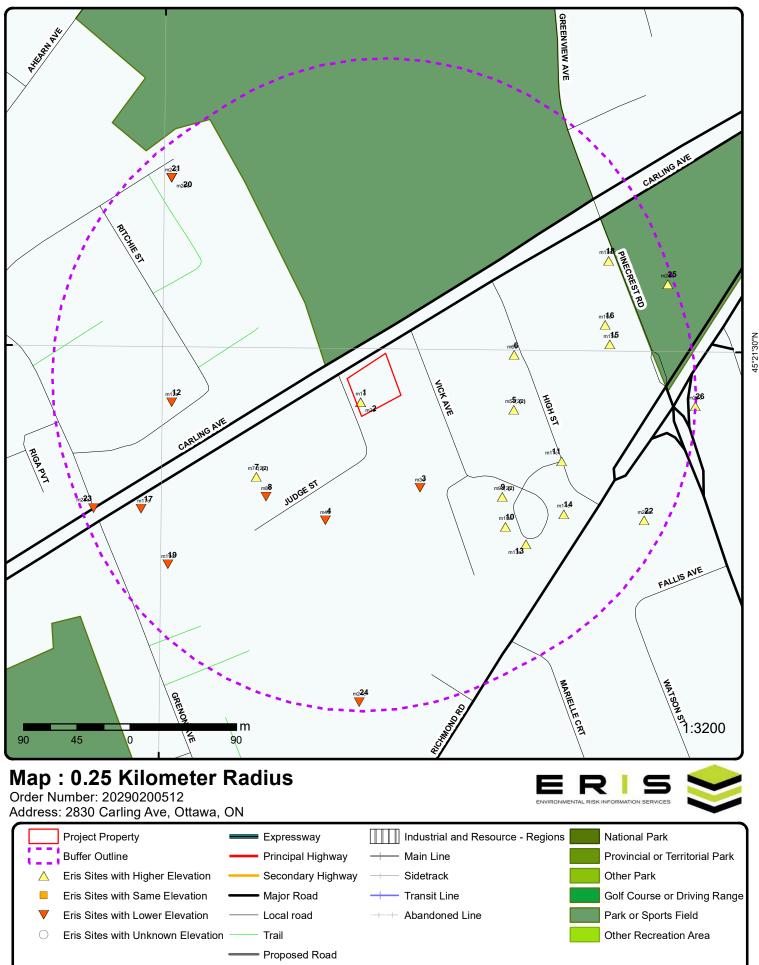
A search of the WWIS database, dated Apr 30, 2020 has found that there are 8 WWIS site(s) within approximately 0.25 kilometers of the project property.

| <u>Site</u> | Address                       | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------|-------------------------------|---------------------|----------------|
|             | ON                            | 0.0                 | <u>2</u>       |
|             | Well ID: 1507998              |                     |                |
|             | ON<br><b>Well ID:</b> 1508282 | 101.9               | <u>6</u>       |
|             | ON                            | 121.6               | <u>9</u>       |

| Address<br>Well ID: 1508281   | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------|---------------------|----------------|
| ON                            | 121.6               | 9              |
| <i>Well ID:</i> 1508280<br>ON | 150.0               | <u>12</u>      |
| <b>Well ID:</b> 1507995       | 164.7               | 13             |
| ON<br><i>Well ID:</i> 1507984 |                     | _              |
| ON<br><i>Well ID:</i> 1508548 | 225.7               | <u>20</u>      |
| ON                            | 231.7               | <u>22</u>      |
| Well ID: 1508640              |                     |                |

Well ID: 1508640

13



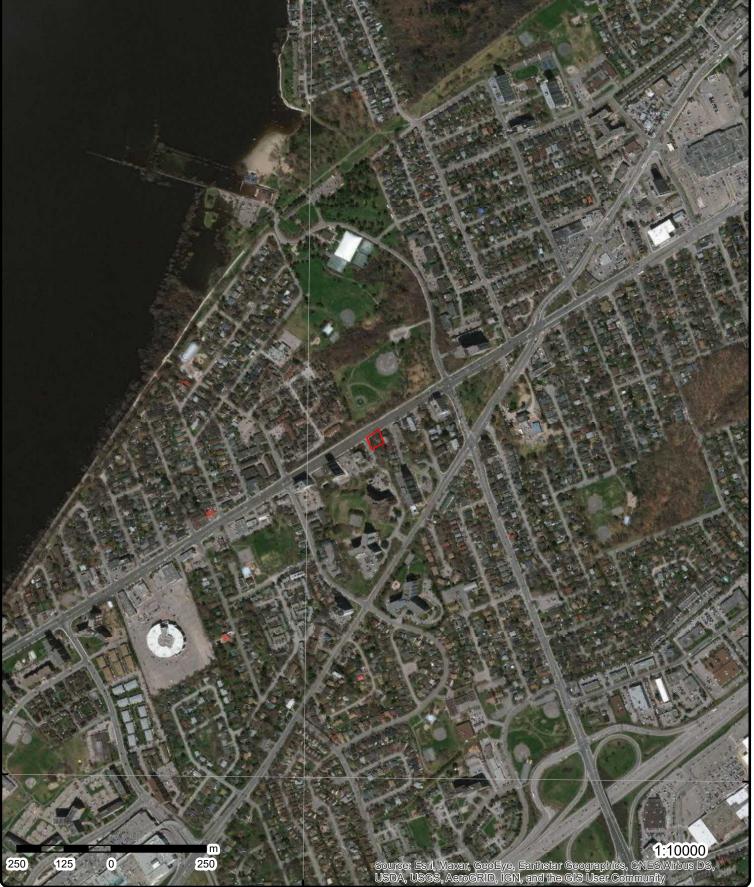
Ferry Route/Ice Road

Source: © 2015 DMTI Spatial Inc.

45°21'30"N

#### © ERIS Information Limited Partnership

75°48'W



45°21'N

## Aerial Year: 2019

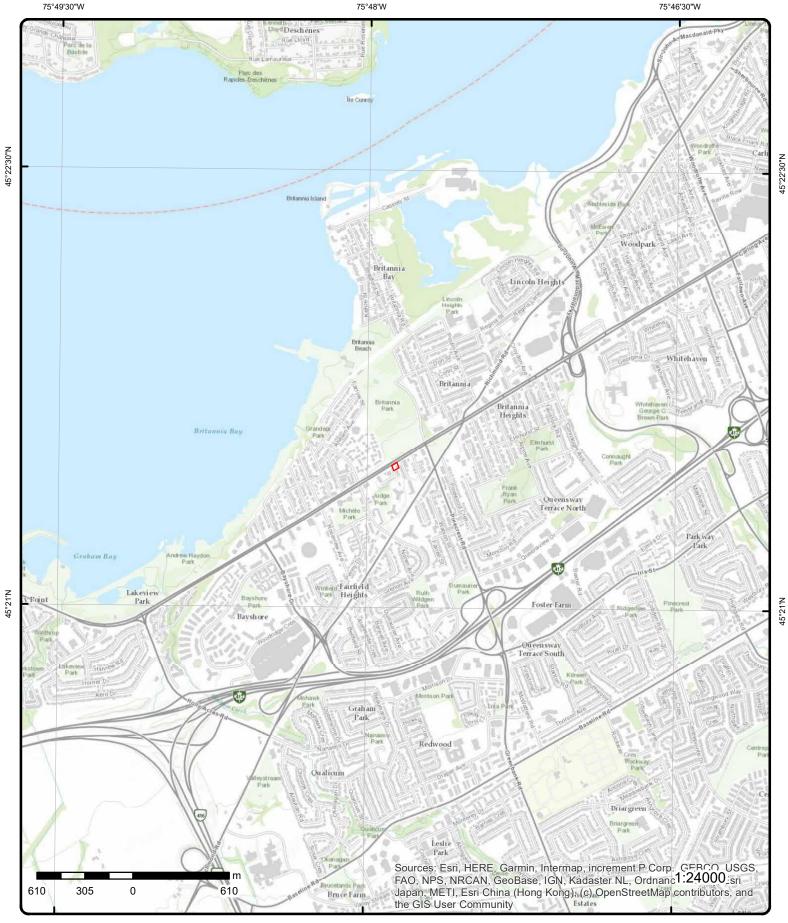
### Address: 2830 Carling Ave, Ottawa, ON

Source: ESRI World Imagery

ENVIRONMENTAL RISK INFORMATION SERVICES

Order Number: 20290200512

© ERIS Information Limited Partnership



# **Topographic Map**

### Order Number: 20290200512



Address: 2830 Carling Ave, ON

Source: ESRI World Topographic Map

© ERIS Information Limited Partnership

## Detail Report

| Мар Кеу  | Number<br>Records   |  | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site  | E  |
|--|---|--|----------------------------|------------------|---|--|
| 1  | 1 of 1  |  | SW/0.0                     | 80.9/0.29        | ON  | BOR  |
| Borehole ID:   |   | 610909   |                            |                  | Inclin FLG:   | No   |
| OGF ID:  |   | 215512419  |                            |                  | SP Status:  | Initial Entry  |
| Status:  |   |  |                            |                  | Surv Elev:  | No   |
| Type:  |   | Borehole   |                            |                  | Piezometer:   | No   |
| Use:   | <b>.</b> .  | 101/1070   |                            |                  | Primary Name:   |  |
| Completion L   |   | NOV-1970   |                            |                  | Municipality:   |  |
| Static Water   |   |  |                            |                  | Lot:  |  |
| Primary Wate<br>Sec. Water U   |   |  |                            |                  | Township:   | 45.357925  |
| Sec. water 0<br>Total Depth r  |   | 5  |                            |                  | Latitude DD:<br>Longitude DD:   | -75.797841   |
| Depth Ref:   | <i></i>   | Ground Sur   | face                       |                  | UTM Zone:   | 18   |
| Depth Elev:  |   |  | 1400                       |                  | Easting:  | 437511   |
| Drill Method:  |   |  |                            |                  | Northing:   | 5023022  |
| Orig Ground  |   | 77.6   |                            |                  | Location Accuracy:  |  |
| Elev Reliabil  |   | -  |                            |                  | Accuracy:   | Not Applicable   |
| DEM Ground   |   | 80.2   |                            |                  |   |  |
| Concession:  |   |  |                            |                  |   |  |
| Location D:  |   |  |                            |                  |   |  |
| Survey D:  |   |  |                            |                  |   |  |
| Comments:  |   |  |                            |                  |   |  |
| Geology Stra<br>Top Depth:<br>Bottom Deptl   | tum ID:<br>h:   | <br>218386904<br>2.3<br>2.7  |                            |                  | Mat Consistency:<br>Material Moisture:<br>Material Texture:   | Dense<br>Fine to Medium  |
| Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material 1  | tum ID:<br>h:<br>or:<br>Descriptior   | 218386904<br>2.3<br>2.7<br>Brown<br>Sand<br>Gravel   |                            |                  | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:   | Fine to Medium   |
| Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material 1  | tum ID:<br>h:<br>or:<br>Descriptior   | 218386904<br>2.3<br>2.7<br>Brown<br>Sand<br>Gravel   | AND,GRAVEL-FII             | NE TO MEDIUM.    | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:  | Fine to Medium   |
| Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material I<br>Stratum Desc  | tum ID:<br>h:<br>pr:<br>Description<br>ription:   | 218386904<br>2.3<br>2.7<br>Brown<br>Sand<br>Gravel<br>7:<br>218386905  | AND,GRAVEL-FII             | NE TO MEDIUM.    | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>LIGHT,BROWN,VERY DEN<br>Mat Consistency:   | Fine to Medium   |
| Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 3:<br>Sac Material 1<br>Stratum Desc<br>Geology Stra<br>Top Depth:  | tum ID:<br>h:<br>r:<br>Description<br>ription:<br>tum ID:   | 218386904<br>2.3<br>2.7<br>Brown<br>Sand<br>Gravel<br>7:<br>218386905<br>2.7   | AND,GRAVEL-FII             | NE TO MEDIUM.    | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>LIGHT,BROWN,VERY DEN<br>Mat Consistency:<br>Material Moisture:   | Fine to Medium   |
| Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 3:<br>Stratum 2:<br>Stratum Desc<br>Geology Stra<br>Top Depth:<br>Bottom Depth  | tum ID:<br>h:<br>r:<br>Descriptior<br>ription:<br>tum ID:<br>h:   | 218386904<br>2.3<br>2.7<br>Brown<br>Sand<br>Gravel<br>7:<br>218386905<br>2.7<br>5  | AND,GRAVEL-FII             | NE TO MEDIUM.    | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>LIGHT,BROWN,VERY DEN<br>Mat Consistency:<br>Material Moisture:<br>Material Texture:  | Fine to Medium   |
| Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material 1<br>Stratum Desc<br>Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo   | tum ID:<br>h:<br>r:<br>Descriptior<br>ription:<br>tum ID:<br>h:   | 218386904<br>2.3<br>2.7<br>Brown<br>Sand<br>Gravel<br>7:<br>218386905<br>2.7<br>5<br>Brown   | AND,GRAVEL-FII             | NE TO MEDIUM.    | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>LIGHT,BROWN,VERY DEN<br>Mat Consistency:<br>Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:   | Fine to Medium   |
| Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material 1<br>Stratum Desc<br>Geology Stra<br>Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:  | tum ID:<br>h:<br>r:<br>Descriptior<br>ription:<br>tum ID:<br>h:   | 218386904<br>2.3<br>2.7<br>Brown<br>Sand<br>Gravel<br>7:<br>218386905<br>2.7<br>5<br>Brown<br>Sand   | AND,GRAVEL-FI              | NE TO MEDIUM.    | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>LIGHT,BROWN,VERY DEN<br>Mat Consistency:<br>Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:  | Fine to Medium   |
| Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material 1<br>Stratum Desc<br>Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:   | tum ID:<br>h:<br>r:<br>Descriptior<br>ription:<br>tum ID:<br>h:   | 218386904<br>2.3<br>2.7<br>Brown<br>Sand<br>Gravel<br>7:<br>218386905<br>2.7<br>5<br>Brown<br>Sand<br>Gravel   | AND,GRAVEL-FII             | NE TO MEDIUM.    | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>LIGHT,BROWN,VERY DEN<br>Mat Consistency:<br>Material Moisture:<br>Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:   | Fine to Medium   |
| Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material 1<br>Stratum Desc<br>Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:  | tum ID:<br>h:<br>r:<br>Descriptior<br>ription:<br>tum ID:<br>h:   | 218386904<br>2.3<br>2.7<br>Brown<br>Sand<br>Gravel<br>7:<br>218386905<br>2.7<br>5<br>Brown<br>Sand   | AND,GRAVEL-FI              | NE TO MEDIUM.    | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>LIGHT,BROWN,VERY DEN<br>Mat Consistency:<br>Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:   | Fine to Medium   |
| Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 3:<br>Gsc Material 4:<br>Stratum Desc<br>Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:  | tum ID:<br>h:<br>r:<br>Descriptior<br>ription:<br>tum ID:<br>h:<br>r:   | 218386904<br>2.3<br>2.7<br>Brown<br>Sand<br>Gravel<br>7:<br>218386905<br>2.7<br>5<br>Brown<br>Sand<br>Gravel<br>Silt   | AND,GRAVEL-FII             | NE TO MEDIUM.    | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>LIGHT,BROWN,VERY DEN<br>Mat Consistency:<br>Material Moisture:<br>Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:   | Fine to Medium   |
| Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 3:<br>Gsc Material 4:<br>Gsology Stra<br>Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material 1  | tum ID:<br>h:<br>r:<br>Descriptior<br>ription:<br>tum ID:<br>h:<br>r:<br>Descriptior                              | 218386904<br>2.3<br>2.7<br>Brown<br>Sand<br>Gravel<br>7:<br>218386905<br>2.7<br>5<br>Brown<br>Sand<br>Gravel<br>Silt   |                            |                  | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>LIGHT,BROWN,VERY DEN<br>Mat Consistency:<br>Material Moisture:<br>Material Moisture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Formation:<br>Geologic Period:<br>Depositional Gen:   | Fine to Medium<br>SE.<br>Dense   |
| Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 3:<br>Geology Stra<br>Geology Stra<br>Geology Stra<br>Geology Stra<br>Geology Stra<br>Geology Stra<br>Geology Stra<br>Gaterial 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material 1  | tum ID:<br>h:<br>r:<br>Descriptior<br>ription:<br>tum ID:<br>h:<br>r:<br>Descriptior                              | 218386904<br>2.3<br>2.7<br>Brown<br>Sand<br>Gravel<br>7:<br>218386905<br>2.7<br>5<br>Brown<br>Sand<br>Gravel<br>Silt<br>7:<br>S.   | AND,GRAVEL,SII             | LT. BROWN,VER    | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>LIGHT,BROWN,VERY DEN<br>Mat Consistency:<br>Material Moisture:<br>Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>Y DENSE. 00000019000750   | Fine to Medium<br>SE.<br>Dense   |
| Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 3:<br>Stratum Desc<br>Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material I<br>Stratum Desc   | tum ID:<br>h:<br>r:<br>Description<br>ription:<br>tum ID:<br>h:<br>r:<br>Description<br>ription:                  | 218386904<br>2.3<br>2.7<br>Brown<br>Sand<br>Gravel<br>7:<br>218386905<br>2.7<br>5<br>Brown<br>Sand<br>Gravel<br>Silt<br>7:<br>S.   | AND,GRAVEL,SII             | LT. BROWN,VER    | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>LIGHT,BROWN,VERY DEN<br>Mat Consistency:<br>Material Moisture:<br>Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Group:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>Y DENSE. 00000019000750<br>the department have a trun   | Fine to Medium<br>SE.<br>Dense<br>07800090100Y DENSE. SAND,GRAVEL. 000<br>cated [Stratum Description] field. |
| Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 3:<br>Stratum Desc<br>Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material 1<br>Stratum Desc<br>Geology Stra   | tum ID:<br>h:<br>r:<br>Description<br>ription:<br>tum ID:<br>h:<br>r:<br>Description<br>ription:                  | 218386904<br>2.3<br>2.7<br>Brown<br>Sand<br>Gravel<br>7:<br>218386905<br>2.7<br>5<br>Brown<br>Sand<br>Gravel<br>Silt<br>7:<br>S.<br>00                                   | AND,GRAVEL,SII             | LT. BROWN,VER    | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>LIGHT,BROWN,VERY DEN<br>Mat Consistency:<br>Material Moisture:<br>Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>Y DENSE. 00000019000750   | Fine to Medium<br>SE.<br>Dense<br>07800090100Y DENSE. SAND,GRAVEL. 000                                       |
| Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 3:<br>Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 2:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material 1<br>Stratum Desc<br>Geology Stra<br>Top Depth:   | tum ID:<br>h:<br>r:<br>Description<br>ription:<br>tum ID:<br>h:<br>r:<br>Description<br>ription:<br>tum ID:       | 218386904<br>2.3<br>2.7<br>Brown<br>Sand<br>Gravel<br>7:<br>218386905<br>2.7<br>5<br>Brown<br>Sand<br>Gravel<br>Silt<br>7:<br>S.<br>00<br>218386903                      | AND,GRAVEL,SII             | LT. BROWN,VER    | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>LIGHT,BROWN,VERY DEN<br>Mat Consistency:<br>Material Moisture:<br>Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>Y DENSE. 00000019000750<br>the department have a trun-<br>Mat Consistency:   | Fine to Medium<br>SE.<br>Dense<br>07800090100Y DENSE. SAND,GRAVEL. 000<br>cated [Stratum Description] field. |
| Borehole Geo<br>Geology Stra<br>Top Depth:<br>Bottom Depti<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 2:<br>Material 3:<br>Material 3:<br>Geology Stra<br>Material 1:<br>Material 2:<br>Material 2:<br>Material 3:<br>Material 3:<br>Material 4:<br>Gsc Material 4:<br>Gsc Material 4:<br>Gsc Material 4:<br>Gsc Material 5:<br>Material 4:<br>Gsc Material 4:<br>Gsc Material 4:<br>Gsc Material 4:<br>Gsc Material 4:<br>Gsc Material 5:<br>Material 4:<br>Gsc Material 4:<br>Gsc Material 4:<br>Gsc Material 4:<br>Gsc Material 5:<br>Material 4:<br>Gsc Material 4:<br>Gsc Material 4:<br>Gsc Material 4:<br>Gsc Material 4:<br>Gsc Material 6:<br>Geology Stra<br>Material 6:<br>Material 6: | tum ID:<br>h:<br>r:<br>Description<br>ription:<br>tum ID:<br>h:<br>r:<br>Description<br>ription:<br>tum ID:<br>h: | 218386904<br>2.3<br>2.7<br>Brown<br>Sand<br>Gravel<br>7:<br>218386905<br>2.7<br>5<br>Brown<br>Sand<br>Gravel<br>Silt<br>7:<br>Silt<br>7:<br>Silt<br>7:<br>218386903<br>0 | AND,GRAVEL,SII             | LT. BROWN,VER    | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>LIGHT,BROWN,VERY DEN<br>Mat Consistency:<br>Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>Y DENSE. 0000019000750<br>the department have a trun-<br>Mat Consistency:<br>Material Moisture:  | Fine to Medium<br>SE.<br>Dense<br>07800090100Y DENSE. SAND,GRAVEL. 000<br>cated [Stratum Description] field. |
| Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 3:<br>Gsc Material 4:<br>Gsc Material 4:<br>Top Depth:<br>Bottom Depth<br>Material 2:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material 1<br>Stratum Desc<br>Geology Stra<br>Top Depth:<br>Bottom Depth  | tum ID:<br>h:<br>r:<br>Description<br>ription:<br>tum ID:<br>h:<br>r:<br>Description<br>ription:<br>tum ID:<br>h: | 218386904<br>2.3<br>2.7<br>Brown<br>Sand<br>Gravel<br>7:<br>218386905<br>2.7<br>5<br>Brown<br>Sand<br>Gravel<br>Silt<br>7:<br>218386903<br>0<br>2.3                      | AND,GRAVEL,SII             | LT. BROWN,VER    | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Formation:<br>Geologic Period:<br>Depositional Gen:<br>LIGHT,BROWN,VERY DEN<br>Mat Consistency:<br>Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>Y DENSE. 00000019000750<br>the department have a trun<br>Mat Consistency:<br>Material Moisture:<br>Material Moisture:<br>Material Moisture:<br>Material Texture: | Fine to Medium<br>SE.<br>Dense<br>07800090100Y DENSE. SAND,GRAVEL. 000<br>cated [Stratum Description] field. |

17

| Map Key                                      | Number<br>Records |                           | Direction/<br>Distance (m           | Elev/Diff<br>n) (m)   | Site   |  | D   |
|--|-------------------|---------------------------|-------------------------------------|-----------------------|--|--|-----|
| Material 3:<br>Material 4:<br>Gsc Material   | Description       | Silt                      |                                     |                       | Geologic Period:<br>Depositional Gen:                    |  |     |
| Stratum Desc                                 |                   |                           | SAND,GRAVEL,                        | SILT. LIGHT,BROW      | N,COMPACT.   |  |     |
| <u>Source</u>                                |                   |                           |                                     |                       |  |  |     |
| Source Type<br>Source Orig:                  |                   | Data Sur<br>Geologica     | vey<br>al Survey of Cana            | da                    | Source Appl:<br>Source Iden:                             | Spatial/Tabular<br>1   |     |
| Source Date:<br>Confidence:                  | :                 | 1956-197<br>H             | 72                                  |                       | Scale or Res:<br>Horizontal:                             | Varies<br>NAD27  |     |
| Observatio:<br>Source Name                   | e:                |                           | Urban Geology A                     | Automated Informatio  | Verticalda:<br>on System (UGAIS)                         | Mean Average Sea Level   |     |
| Source Detail<br>Confiden 1:                 |                   |                           | File: OTTAWA1.                      | txt RecordID: 03417   | 0 NTS_Sheet: 31G05C<br>omplete description of mate       | rial and properties.   |     |
| Source List                                  |                   |                           |                                     |                       |  |  |     |
| Source Ident<br>Source Type<br>Source Date:  | :                 | 1<br>Data Sur<br>1956-197 |                                     |                       | Horizontal Datum:<br>Vertical Datum:<br>Projection Name: | NAD27<br>Mean Average Sea Level<br>Universal Transverse Mercator |     |
| Scale or Res<br>Source Name<br>Source Origir | ):                | Varies                    | Urban Geology A<br>Geological Surve | Automated Information | on System (UGAIS)  |  |     |
| <u>2</u>                                     | 1 of 1            |                           | SW/0.0                              | 80.9 / 0.29           | ON   |  | wwi |
| Well ID:<br>Construction                     | n Date:           | 1507998                   |                                     |                       | Data Entry Status:<br>Data Src:                          | 1  |     |
| Primary Wate<br>Sec. Water U                 | er Use:<br>Ise:   | Commeri<br>0              |                                     |                       | Date Received:<br>Selected Flag:                         | 8/31/1955<br>Yes   |     |
| Final Well St<br>Water Type:<br>Casing Mater |                   | Water Su                  | ipply                               |                       | Abandonment Rec:<br>Contractor:<br>Form Version:         | 3601<br>1  |     |
| Audit No:<br>Tag:                            |                   |                           |                                     |                       | Owner:<br>Street Name:                                   |  |     |
| Construction                                 | ו                 |                           |                                     |                       | County:  | OTTAWA   |     |
| Elevation (m<br>Elevation Re                 |                   |                           |                                     |                       | <i>Municipality:</i><br>Site Info:                       | OTTAWA CITY  |     |
| Depth to Bed<br>Well Depth:                  |                   |                           |                                     |                       | Lot:<br>Concession:                                      |  |     |
| Overburden/<br>Pump Rate:                    | Bedrock:          |                           |                                     |                       | Concession Name:<br>Easting NAD83:                       |  |     |
| Static Water<br>Flowing (Y/N                 |                   |                           |                                     |                       | Northing NAD83:<br>Zone:                                 |  |     |
| Flow Rate:<br>Clear/Cloudy                   | /:                |                           |                                     |                       | UTM Reliability:   |  |     |
| PDF URL (Ma                                  | p):               |                           | https://d2khazk8                    | e83rdv.cloudfront.ne  | t/moe_mapping/downloads                                  | /2Water/Wells_pdfs/150\1507998.pdf                               |     |
| Bore Hole Inf                                | ormation          |                           |                                     |                       |  |  |     |
|  | -                 | 1003003                   | 3                                   |                       | Elevation:<br>Elevrc:                                    | 80.251716  |     |
| Bore Hole ID                                 | •                 | 19                        |                                     |                       | LICVIC.  |  |     |
| DP2BR:<br>Spatial Statu                      |                   | 19                        |                                     |                       | Zone:  | 18   |     |
| DP2BR:                                       | s:                | 19<br>r<br>Bedrock        |                                     |                       | East83:<br>North83:                                      | 18<br>437510.7<br>5023022  |     |
| DP2BR:<br>Spatial Statu<br>Code OB:          | sc:               | r                         |                                     |                       | East83:  | 437510.7   |     |

erisinfo.com | Environmental Risk Information Services

| Мар Кеу  | Number of<br>Records                                | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site             |    | DB |
|--|---|----------------------------|------------------|------------------|----|----|
|  | Location Source:<br>Location Method:<br>on Comment: |                            |                  | Location Method: | p9 |    |
| <u>Overburden al</u><br><u>Materials Inter</u>                         |   |                            |                  |                  |    |    |
| Formation ID:<br>Layer:<br>Color:                                      |   | 931008567<br>2             |                  |                  |    |    |
| General Color.<br>Mat1:<br>Most Commor<br>Mat2:<br>Mat2 Desc:<br>Mat3: |   | 11<br>GRAVEL               |                  |                  |    |    |
| Mat3.<br>Mat3 Desc:<br>Formation Top<br>Formation End<br>Formation End | d Depth:  | 11<br>19<br>ft             |                  |                  |    |    |
| <u>Overburden al</u><br><u>Materials Inter</u>                         |   |                            |                  |                  |    |    |
| Formation ID:<br>Layer:<br>Color:<br>General Color                     | :   | 931008568<br>3             |                  |                  |    |    |
| Mat1:<br>Most Commor<br>Mat2:<br>Mat2 Desc:<br>Mat3:                   | n Material:   | 15<br>LIMESTONE            |                  |                  |    |    |
| Mat3 Desc:<br>Formation Top<br>Formation End<br>Formation End          | d Depth:  | 19<br>65<br>ft             |                  |                  |    |    |
| <u>Overburden al</u><br><u>Materials Inter</u>                         |   |                            |                  |                  |    |    |
| Formation ID:<br>Layer:<br>Color:<br>General Color                     |   | 931008566<br>1             |                  |                  |    |    |
| Mat1:<br>Most Commor<br>Mat2:<br>Mat2 Desc:<br>Mat3:                   |   | 05<br>CLAY                 |                  |                  |    |    |
| Mat3 Desc:<br>Formation Top<br>Formation End<br>Formation End          | d Depth:  | 0<br>11<br>ft              |                  |                  |    |    |

Method of Construction & Well Use

| Map Key                        | Number of<br>Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | ,                   |
|--------------------------------|----------------------|----------------------------|------------------|------|---------------------|
| Method Const                   | ruction ID:          | 961507998                  |                  |      |                     |
| lethod Const                   | ruction Code:        | 1                          |                  |      |                     |
| Aethod Const                   |                      | Cable Tool                 |                  |      |                     |
| Other Method                   | Construction:        |                            |                  |      |                     |
| Pipe Information               | on                   |                            |                  |      |                     |
| Pipe ID:                       |                      | 10578603                   |                  |      |                     |
| Casing No:                     |                      | 1                          |                  |      |                     |
| comment:                       |                      |                            |                  |      |                     |
| Alt Name:                      |                      |                            |                  |      |                     |
| Construction I                 | Record - Casing      |                            |                  |      |                     |
| Casing ID:                     |                      | 930052723                  |                  |      |                     |
| ayer:                          |                      | 2                          |                  |      |                     |
| Material:                      | Matorial.            | 4<br>OPEN HOLE             |                  |      |                     |
| Open Hole or I                 | viateriai:           | OPEN HOLE                  |                  |      |                     |
| Depth From:<br>Depth To:       |                      | 65                         |                  |      |                     |
| Casing Diamet                  | ter:                 | 4                          |                  |      |                     |
| Casing Diame                   |                      | inch                       |                  |      |                     |
| Casing Depth                   | UOM:                 | ft                         |                  |      |                     |
| Construction I                 | Record - Casing      |                            |                  |      |                     |
| Casing ID:                     |                      | 930052722                  |                  |      |                     |
| .ayer:                         |                      | 1                          |                  |      |                     |
| laterial:                      |                      | 1                          |                  |      |                     |
| pen Hole or l                  | Material:            | STEEL                      |                  |      |                     |
| Pepth From:                    |                      | 00                         |                  |      |                     |
| Pepth To:                      | 1a **                | 20<br>4                    |                  |      |                     |
| Casing Diamet<br>Casing Diamet |                      | 4<br>inch                  |                  |      |                     |
| Casing Depth                   |                      | ft                         |                  |      |                     |
| Results of Wel                 | l Yield Testing      |                            |                  |      |                     |
| Pump Test ID:                  |                      | 991507998                  |                  |      |                     |
| Pump Set At:                   |                      |                            |                  |      |                     |
| Static Level:                  |                      | 10                         |                  |      |                     |
| inal Level Aft                 |                      | 20                         |                  |      |                     |
|                                | d Pump Depth:        | _                          |                  |      |                     |
| Pumping Rate                   | :                    | 5                          |                  |      |                     |
| lowing Rate:                   | Dumm Data            |                            |                  |      |                     |
| ecommended<br>evels UOM:       | a Pump Rate:         | ft                         |                  |      |                     |
| ate UOM:                       |                      | GPM                        |                  |      |                     |
|                                | ter Test Code:       | 1                          |                  |      |                     |
| Vater State Af                 |                      | CLEAR                      |                  |      |                     |
| Pumping Test                   |                      | 1                          |                  |      |                     |
| Pumping Dura                   |                      | 1                          |                  |      |                     |
| Pumping Dura                   |                      | 0                          |                  |      |                     |
| lowing:                        |                      | No                         |                  |      |                     |
| Vater Details                  |                      |                            |                  |      |                     |
| Vater ID:                      |                      | 933462320                  |                  |      |                     |
| ayer:                          |                      | 1                          |                  |      |                     |
| Kind Code:                     |                      | 1                          |                  |      |                     |
| Kind:<br>Notor Found F         | Domth.               | FRESH                      |                  |      |                     |
| Vater Found L                  | eptn:                | 65                         |                  |      |                     |
| 20                             | erisinfo.com   En    | vironmental Risk Info      | rmation Service  | c    | Order No: 202902005 |

| Мар Кеу  | Number of<br>Records                     | Direction/<br>Distance (m)                      | Elev/Diff<br>(m) | Site  |                                      | DB  |
|--|--|---|------------------|---|--------------------------------------|-----|
| Water Foun   | d Depth UOM:                             | ft  |                  |   |                                      |     |
| <u>3</u>   | 1 of 1                                   | SSE/77.0  | 79.9 / -0.71     | 2880 Carling Ave<br>Ottawa ON K2B7Z1  |                                      | EHS |
| Order No:<br>Status:<br>Report Type<br>Report Date<br>Date Receiv<br>Previous Si<br>Lot/Building<br>Additional I | C<br>: Cu<br>: 05<br>red: 30<br>te Name: | 150130074<br>Istom Report<br>-FEB-15<br>-JAN-15 |                  | Nearest Intersection:<br>Municipality:<br>Client Prov/State:<br>Search Radius (km):<br>X:<br>Y: | ON<br>.25<br>-75.797191<br>45.357274 |     |
| 4  | 1 of 1                                   | SSW/93.4  | 79.9 / -0.71     |   |                                      |     |

| 4             | 1 of 1  | SSW/93.4       | 79.9/-0.71 |                    |                | BORE  |
|---------------|---------|----------------|------------|--------------------|----------------|-------|
|               |         |                |            | ON                 |                | 20/12 |
| Borehole ID:  |         | 610900         |            | Inclin FLG:        | No             |       |
| OGF ID:       |         | 215512410      |            | SP Status:         | Initial Entry  |       |
| Status:       |         |                |            | Surv Elev:         | No             |       |
| Type:         |         | Borehole       |            | Piezometer:        | No             |       |
| Use:          |         |                |            | Primary Name:      |                |       |
| Completion L  | Date:   | SEP-1968       |            | Municipality:      |                |       |
| Static Water  | Level:  | -1.5           |            | Lot:               |                |       |
| Primary Wate  | er Use: |                |            | Township:          |                |       |
| Sec. Water U  | se:     |                |            | Latitude DD:       | 45.357022      |       |
| Total Depth r | n:      | -999           |            | Longitude DD:      | -75.798212     |       |
| Depth Ref:    |         | Ground Surface |            | UTM Zone:          | 18             |       |
| Depth Elev:   |         |                |            | Easting:           | 437481         |       |
| Drill Method: |         |                |            | Northing:          | 5022922        |       |
| Orig Ground   | Elev m: | 68.6           |            | Location Accuracy: |                |       |
| Elev Reliabil | Note:   |                |            | Accuracy:          | Not Applicable |       |
| DEM Ground    | Elev m: | 80.3           |            |                    |                |       |
| Concession:   |         |                |            |                    |                |       |
| Location D:   |         |                |            |                    |                |       |

#### Borehole Geology Stratum

Survey D: Comments:

| 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 Descriptio<br>Stratum Description: | BEDROCK,LIMESTONE. G                                     | 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:<br>REY. COMPACT, WATER STABLE /<br>ded by the department have a truncate | Compact<br>Fine<br>AT 229.9 FEET.BEDROCK. SILT-FINE,CLAY.GR<br>ed [Stratum Description] field. |
|--|--|--|--|
| Geology Stratum ID:<br>Top Depth:<br>Bottom Depth:<br>Material Color:<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:  | 218386876<br>0<br>3.9<br>Brown<br>Sand<br>Gravel<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  |

Material 3: Silt Material 4: Gsc Material Description: Stratum Description:

SAND, GRAVEL, SILT. BROWN, COMPACT.

| Мар Кеу   | Number<br>Records                              |  | Elev/Diff<br>) (m) | Site  |   | DI  |
|---|--|--|--------------------|---|---|-----|
| <u>Source</u>   |  |  |                    |   |   |     |
| Source Type:<br>Source Orig:<br>Source Date:<br>Confidence:<br>Observatio:<br>Source Name<br>Source Detail<br>Confiden 1: |  |  | utomated Informat  | Source Appl:<br>Source Iden:<br>Scale or Res:<br>Horizontal:<br>Verticalda:<br>ion System (UGAIS)<br>30 NTS_Sheet: 31G05C                               | Spatial/Tabular<br>1<br>Varies<br>NAD27<br>Mean Average Sea Level |     |
| Source List   |  |  |                    |   |   |     |
| Source Identi<br>Source Type:<br>Source Date:<br>Scale or Reso<br>Source Name   | olution:                                       | 1<br>Data Survey<br>1956-1972<br>Varies<br>Urban Geology A | utomated Informat  | Horizontal Datum:<br>Vertical Datum:<br>Projection Name:<br>ion System (UGAIS)  | NAD27<br>Mean Average Sea Level<br>Universal Transverse Mercator  |     |
| Source Origin   |  | Geological Survey  | y of Canada        |   |   |     |
| <u>5</u>  | 1 of 2   | E/96.4   | 80.9 / 0.29        | FRANCIS FUELS<br>826 HIGH ST (IN FRO<br>(CARGO)<br>OTTAWA CITY ON H   | ONT OF) TANK TRUCK<br>K2B 6C4                                     | SPL |
| Ref No:   |  | 199275   |                    | Discharger Report:  |   |     |
| Site No:<br>Incident Dt:  |  | 4/26/2001  |                    | Material Group:<br>Health/Env Conseq:   |   |     |
| Year:<br>Incident Caus<br>Incident Even<br>Contaminant<br>Contaminant<br>Contam Limit<br>Contam Limit                     | nt:<br>Code:<br>Name:<br>Limit 1:<br>t Freq 1: | VALVE/FITTING LEAK OR                                      | FAILURE            | Client Type:<br>Sector Type:<br>Agency Involved:<br>Nearest Watercourse:<br>Site Address:<br>Site District Office:<br>Site Postal Code:<br>Site Region: |   |     |
| Environment<br>Nature of Imp<br>Receiving Me<br>Receiving En<br>MOE Respon  | Impact:<br>bact:<br>edium:<br>v:<br>se:        | Possible<br>Soil contamination<br>Land                     |                    | Site Municipality:<br>Site Lot:<br>Site Conc:<br>Northing:<br>Easting:  | 20107   |     |
| Dt MOE Arvl (<br>MOE Reporte  |  | 4/26/2001  |                    | Site Geo Ref Accu:<br>Site Map Datum:   |   |     |
| Dt Document<br>Incident Reas<br>Site Name:<br>Site County/E   | son:<br>District:                              | OTHER  |                    | SAC Action Class:<br>Source Type:   |   |     |
| Site Geo Ref<br>Incident Sum<br>Contaminant   | mary:  | FRANCIS FUELS  | :2-3L SPILL OF O   | IL TO ASPHALT, CON- TAI   | NED AND CLEANED UP  |     |
| <u>5</u>  | 2 of 2   | E/96.4   | 80.9 / 0.29        | Marchurst Developn<br>826 High St<br>Ottawa ON  | nent Group Inc.   | EC4 |
| Approval No:<br>Approval Dat<br>Status:<br>Record Type:<br>Link Source:<br>SWP Area Na                                    | e:   | 1944-AW9PFS<br>2018-02-26<br>Approved<br>ECA<br>IDS        |                    | MOE District:<br>City:<br>Longitude:<br>Latitude:<br>Geometry X:<br>Geometry Y:   |   |     |

| Map Key  | Number<br>Records   |   | Direction/<br>Distance (m)                        | Elev/Diff<br>(m)      | Site  |   | D  |
|--|---|---|---|-----------------------|---|---|----|
| Approval Type<br>Project Type:<br>Address:   |   |   | ECA-MUNICIPAL A<br>MUNICIPAL AND F<br>826 High St |                       |   |   |    |
| Full Address:<br>Full PDF Link:  |   |   | https://www.access                                | senvironment.ene.     | gov.on.ca/instruments/2355  | 5-AVSRS7-14.pdf   |    |
| 6  | 1 of 1  |   | E/101.9   | 80.9 / 0.29           |   |   | ww |
| _  |   |   |   |                       | ON  |   |    |
| Well ID:<br>Comotinuotion I  | Data  | 1508282   |   |                       | Data Entry Status:  | 1   |    |
| Construction L<br>Primary Water  |   | Domestic  |   |                       | Data Src:<br>Date Received:   | 1<br>6/5/1959   |    |
| Sec. Water Use   |   | 0   |   |                       | Selected Flag:  | Yes   |    |
| Final Well Stat  |   | Water Su  | vlaa  |                       | Abandonment Rec:  |   |    |
| Water Type:  |   |   | FF-7  |                       | Contractor:   | 3701  |    |
| Casing Materia   | al:   |   |   |                       | Form Version:   | 1   |    |
| Audit No:  |   |   |   |                       | Owner:  |   |    |
| Tag:   |   |   |   |                       | Street Name:  |   |    |
| Construction I   |   |   |   |                       | County:   | OTTAWA  |    |
| Elevation (m):   |   |   |   |                       | Municipality:   | OTTAWA CITY   |    |
| Elevation Relia  |   |   |   |                       | Site Info:  |   |    |
| Depth to Bedro   | ock:  |   |   |                       | Lot:  |   |    |
| Well Depth:  |   |   |   |                       | Concession:   |   |    |
| Overburden/Be  | earock:   |   |   |                       | Concession Name:  |   |    |
| Pump Rate:<br>Static Water Le  | ovol:   |   |   |                       | Easting NAD83:<br>Northing NAD83:   |   |    |
|  |   |   |   |                       | Zone:   |   |    |
| $-i\alpha w/in\alpha / v/w/$   |   |   |   |                       |   |   |    |
| Flowing (Y/N):<br>Flow Rate:   |   |   |   |                       | UTM Reliability:  |   |    |
| Flow Rate:<br>Clear/Cloudy:  |   |   |   | Onder along the stars | UTM Reliability:  | (2) A - A - 70 ( - 11   |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map  | o):   |   | https://d2khazk8e8                                | 3rdv.cloudfront.ne    | -   | /2Water/Wells_pdfs/150\1508282.pdf  |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br><u>Bore Hole Info</u>   | o):   | 10020247  |   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads  |   |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br><u>Bore Hole Info</u><br>Bore Hole ID:  | o):   | 10030317  |   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br><i>Elevation:</i>   | /2Water/Wells_pdfs/150\1508282.pdf<br>82.19667                                |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br><u>Bore Hole Info</u><br>Bore Hole ID:<br>DP2BR:  | o):<br>ormation   | 10030317<br>74  |   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:   | 82.19667  |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br><u>Bore Hole Info</u><br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:   | o):<br>ormation   | 74  |   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:  | 82.19667<br>18  |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB:  | o):<br>ormation<br>::   | 74<br>r   |   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:   | 82.19667<br>18<br>437640.7  |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br><u>Bore Hole Info</u><br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:   | o):<br>ormation<br>::   | 74  |   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:                                     | 82.19667<br>18  |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB:<br>Code OB Desc  | o):<br>ormation<br>::   | 74<br>r   |   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:   | 82.19667<br>18<br>437640.7<br>5023062<br>5                                    |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB:<br>Code OB Desc<br>Open Hole:  | o):<br>ormation<br>::<br>c:   | 74<br>r   | ,   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:                          | 82.19667<br>18<br>437640.7<br>5023062<br>5<br>margin of error : 100 m - 300 m |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>DP2BR:<br>Spatial Status:<br>Code OB:<br>Code OB Desc<br>Open Hole:<br>Cluster Kind:<br>Date Complete<br>Remarks:   | o):<br>ormation<br>::<br>c:   | 74<br>r<br>Bedrock  | ,   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:                | 82.19667<br>18<br>437640.7<br>5023062<br>5                                    |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB<br>Code OB Desc<br>Open Hole:<br>Cluster Kind:<br>Date Complete<br>Remarks:<br>Elevrc Desc:   | o):<br>ormation<br>::<br>c:<br>ed:  | 74<br>r<br>Bedrock  | ,   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc: | 82.19667<br>18<br>437640.7<br>5023062<br>5<br>margin of error : 100 m - 300 m |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB<br>Code OB Desc<br>Open Hole:<br>Cluster Kind:<br>Date Complete<br>Remarks:<br>Elevrc Desc:<br>Location Sourd   | o):<br>ormation<br>::<br>c:<br>ed:<br>rce Date:   | 74<br>r<br>Bedrock<br>5/15/1959                               | ,   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc: | 82.19667<br>18<br>437640.7<br>5023062<br>5<br>margin of error : 100 m - 300 m |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB Desc<br>Open Hole:<br>Cluster Kind:<br>Date Complete<br>Remarks:<br>Elevrc Desc:<br>Location Sourd<br>Improvement L   | o):<br>ormation<br>::<br>c:<br>ed:<br>rce Date:<br>Location S   | 74<br>r<br>Bedrock<br>5/15/1959<br>Source:                    | ,   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc: | 82.19667<br>18<br>437640.7<br>5023062<br>5<br>margin of error : 100 m - 300 m |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB Desc<br>Open Hole:<br>Cluster Kind:<br>Date Complete<br>Remarks:<br>Elevrc Desc:<br>Location Sourd<br>Improvement I   | o):<br>ormation<br>::<br>c:<br>ed:<br>Location S<br>Location N  | 74<br>r<br>Bedrock<br>5/15/1959<br>Source:<br>Method:         | ,   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc: | 82.19667<br>18<br>437640.7<br>5023062<br>5<br>margin of error : 100 m - 300 m |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB Desc<br>Open Hole:<br>Cluster Kind:<br>Date Complete<br>Remarks:<br>Elevrc Desc:<br>Location Sourd<br>Improvement L   | o):<br>ormation<br>::<br>c:<br>ed:<br>Location S<br>Location M<br>ion Commo   | 74<br>r<br>Bedrock<br>5/15/1959<br>Source:<br>Method:         | ,   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc: | 82.19667<br>18<br>437640.7<br>5023062<br>5<br>margin of error : 100 m - 300 m |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB:<br>Code OB Desc<br>Open Hole:<br>Cluster Kind:<br>Date Complete<br>Remarks:<br>Elevrc Desc:<br>Location Sourd<br>Improvement I<br>Source Revisio<br>Supplier Comr  | o):<br>ormation<br>c:<br>c:<br>c:<br>Location S<br>Location M<br>ion Commo<br>ment:<br>nd Bedroc  | 74<br>r<br>Bedrock<br>5/15/1959<br>Source:<br>Method:<br>ent: | ,   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc: | 82.19667<br>18<br>437640.7<br>5023062<br>5<br>margin of error : 100 m - 300 m |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB:<br>Code OB Desc<br>Open Hole:<br>Cluster Kind:<br>Date Complete<br>Remarks:<br>Elevrc Desc:<br>Location Sourd<br>Improvement I<br>Improvement I<br>Source Revisio<br>Supplier Comr<br>Overburden ar<br>Materials Inter   | o):<br>ormation<br>::<br>c:<br>c:<br>c:<br>Location S<br>Location M<br>ion Commo<br>ment:<br><u>nd Bedroc<br/>rval</u>                    | 74<br>r<br>Bedrock<br>5/15/1959<br>Source:<br>Method:<br>ent: | )   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc: | 82.19667<br>18<br>437640.7<br>5023062<br>5<br>margin of error : 100 m - 300 m |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB:<br>Code OB Desc<br>Open Hole:<br>Cluster Kind:<br>Date Complete<br>Remarks:<br>Elevrc Desc:<br>Location Sourd<br>Improvement I<br>Source Revisio<br>Supplier Comr<br>Overburden ar<br>Materials Inter<br>Formation ID:   | o):<br>ormation<br>::<br>c:<br>c:<br>c:<br>Location S<br>Location M<br>ion Commo<br>ment:<br><u>nd Bedroc<br/>rval</u>                    | 74<br>r<br>Bedrock<br>5/15/1959<br>Source:<br>Method:<br>ent: | 931009250   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc: | 82.19667<br>18<br>437640.7<br>5023062<br>5<br>margin of error : 100 m - 300 m |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB:<br>Code OB Desc<br>Open Hole:<br>Cluster Kind:<br>Date Complete<br>Remarks:<br>Elevrc Desc:<br>Location Sourd<br>Improvement I<br>Source Revisio<br>Supplier Comr<br>Overburden ar<br>Materials Inter<br>Formation ID:<br>Layer:   | o):<br>ormation<br>::<br>c:<br>c:<br>c:<br>Location S<br>Location M<br>ion Commo<br>ment:<br><u>nd Bedroc<br/>rval</u>                    | 74<br>r<br>Bedrock<br>5/15/1959<br>Source:<br>Method:<br>ent: | )   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc: | 82.19667<br>18<br>437640.7<br>5023062<br>5<br>margin of error : 100 m - 300 m |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB Desc<br>Open Hole:<br>Cluster Kind:<br>Date Complete<br>Remarks:<br>Elevrc Desc:<br>Location Sourd<br>Improvement I<br>Source Revisio<br>Supplier Comm<br>Source Revisio<br>Supplier Comm<br><u>Overburden an</u><br><u>Materials Inter</u><br>Formation ID:<br>Layer:<br>Color:                    | o):<br>ormation<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:                            | 74<br>r<br>Bedrock<br>5/15/1959<br>Source:<br>Method:<br>ent: | 931009250   | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc: | 82.19667<br>18<br>437640.7<br>5023062<br>5<br>margin of error : 100 m - 300 m |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB Desc<br>Open Hole:<br>Cluster Kind:<br>Date Complete<br>Remarks:<br>Elevrc Desc:<br>Location Sourd<br>Improvement I<br>Source Revisio<br>Supplier Comm<br>Source Revisio<br>Supplier Comm<br><u>Overburden ar</u><br>Materials Inter<br>Formation ID:<br>Layer:<br>Color:<br>General Color:         | o):<br>ormation<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:                            | 74<br>r<br>Bedrock<br>5/15/1959<br>Source:<br>Method:<br>ent: | 931009250<br>2                                    | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc: | 82.19667<br>18<br>437640.7<br>5023062<br>5<br>margin of error : 100 m - 300 m |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB Desc<br>Open Hole:<br>Cluster Kind:<br>Date Complete<br>Remarks:<br>Elevrc Desc:<br>Location Sourc<br>Improvement I<br>Source Revisio<br>Supplier Comr<br>Overburden ar<br>Materials Inter<br>Formation ID:<br>Layer:<br>Color:<br>General Color:<br>Mat1:  | o):<br>ormation<br>::<br>c:<br>c:<br>c:<br>cce Date:<br>Location S<br>Location I<br>ion Commo<br>ment:<br><u>nd Bedroc</u><br><u>rval</u> | 74<br>r<br>Bedrock<br>5/15/1959<br>Source:<br>Method:<br>ent: | 931009250<br>2<br>09                              | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc: | 82.19667<br>18<br>437640.7<br>5023062<br>5<br>margin of error : 100 m - 300 m |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB Desc<br>Open Hole:<br>Cluster Kind:<br>Date Complete<br>Remarks:<br>Elevrc Desc:<br>Location Sourc<br>Improvement I<br>Improvement I<br>Source Revisio<br>Supplier Comr<br>Overburden ar<br>Materials Inter<br>Formation ID:<br>Layer:<br>Color:<br>General Color:<br>Mat1:<br>Most Common          | o):<br>ormation<br>::<br>c:<br>c:<br>c:<br>cce Date:<br>Location S<br>Location I<br>ion Commo<br>ment:<br><u>nd Bedroc</u><br><u>rval</u> | 74<br>r<br>Bedrock<br>5/15/1959<br>Source:<br>Method:<br>ent: | 931009250<br>2                                    | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc: | 82.19667<br>18<br>437640.7<br>5023062<br>5<br>margin of error : 100 m - 300 m |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB Desc<br>Open Hole:<br>Cluster Kind:<br>Date Complete<br>Remarks:<br>Elevrc Desc:<br>Location Sourc<br>Improvement I<br>Improvement I<br>Source Revisio<br>Supplier Comr<br>Overburden ar<br>Materials Inter<br>Formation ID:<br>Layer:<br>Color:<br>General Color:<br>Mat1:<br>Most Common<br>Mat2: | o):<br>ormation<br>::<br>c:<br>c:<br>c:<br>cce Date:<br>Location S<br>Location I<br>ion Commo<br>ment:<br><u>nd Bedroc</u><br><u>rval</u> | 74<br>r<br>Bedrock<br>5/15/1959<br>Source:<br>Method:<br>ent: | 931009250<br>2<br>09                              | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc: | 82.19667<br>18<br>437640.7<br>5023062<br>5<br>margin of error : 100 m - 300 m |    |
| Flow Rate:<br>Clear/Cloudy:<br>PDF URL (Map<br>Bore Hole Info<br>Bore Hole ID:<br>DP2BR:<br>Spatial Status:<br>Code OB Desc<br>Open Hole:<br>Cluster Kind:<br>Date Complete<br>Remarks:<br>Elevrc Desc:<br>Location Sourc<br>Improvement I<br>Improvement I<br>Source Revisio<br>Supplier Comr<br>Overburden ar<br>Materials Inter<br>Formation ID:<br>Layer:<br>Color:<br>General Color:<br>Mat1:<br>Most Common          | o):<br>ormation<br>::<br>c:<br>c:<br>c:<br>cce Date:<br>Location S<br>Location I<br>ion Commo<br>ment:<br><u>nd Bedroc</u><br><u>rval</u> | 74<br>r<br>Bedrock<br>5/15/1959<br>Source:<br>Method:<br>ent: | 931009250<br>2<br>09                              | 3rdv.cloudfront.ne    | et/moe_mapping/downloads<br>Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc: | 82.19667<br>18<br>437640.7<br>5023062<br>5<br>margin of error : 100 m - 300 m |    |

| Map Key   | Number of<br>Records       | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---|----------------------------|----------------------------|------------------|------|----|
| Mat3 Desc:  |                            |                            |                  |      |    |
| Formation Te<br>Formation El                        | op Depth:                  | 30<br>60                   |                  |      |    |
|   | nd Depth:<br>nd Depth UOM: | ft                         |                  |      |    |
| <u>Overburden</u><br>Materials Inte                 | and Bedrock<br>erval       |                            |                  |      |    |
| Formation ID<br>Layer:                              | );                         | 931009252<br>4             |                  |      |    |
| Color:<br>General Colo<br>Mat1:                     | or:                        | 15                         |                  |      |    |
| Mat1:<br>Most Commo<br>Mat2:<br>Mat2 Desc:<br>Mat3: | on Material:               | LIMESTONE                  |                  |      |    |
| Mat3 Desc:  |                            |                            |                  |      |    |
| Formation To  |                            | 74                         |                  |      |    |
| Formation El<br>Formation El                        | nd Depth:<br>nd Depth UOM: | 195<br>ft                  |                  |      |    |
| <u>Overburden</u><br><u>Materials Inte</u>          | and Bedrock<br>erval       |                            |                  |      |    |
| Formation ID  | ):                         | 931009249                  |                  |      |    |
| Layer:  |                            | 1                          |                  |      |    |
| Color:<br>General Colo                              |                            |                            |                  |      |    |
| Mat1:   | <i>n</i> .                 | 05                         |                  |      |    |
| Most Commo  | on Material:               | CLAY                       |                  |      |    |
| <i>Mat2:<br/>Mat2 Desc:<br/>Mat3:</i>               |                            |                            |                  |      |    |
| Mat3 Desc:  |                            |                            |                  |      |    |
| Formation To  |                            | 0                          |                  |      |    |
| Formation El<br>Formation El                        | nd Depth:<br>nd Depth UOM: | 30<br>ft                   |                  |      |    |
| <u>Overburden</u><br>Materials Inte                 | and Bedrock<br>erval       |                            |                  |      |    |
| Formation ID  | ):                         | 931009251                  |                  |      |    |
| Layer:  |                            | 3                          |                  |      |    |
| Color:<br>General Colo                              |                            |                            |                  |      |    |
| General Cold<br>Mat1:                               | or:                        | 14                         |                  |      |    |
| Most Commo  | on Material:               | HARDPAN                    |                  |      |    |
| Mat2:   |                            | 11                         |                  |      |    |
| <i>Mat2 Desc:<br/>Mat3:</i>                         |                            | GRAVEL                     |                  |      |    |
| Mat3 Desc:  |                            | 00                         |                  |      |    |
| Formation Te<br>Formation E                         | op Depth:<br>nd Donth      | 60<br>74                   |                  |      |    |
|   | nd Depth:<br>nd Depth UOM: | ft                         |                  |      |    |
| <u>Method of Co</u><br><u>Use</u>                   | onstruction & Well         |                            |                  |      |    |
| Method Cons   |                            | 961508282                  |                  |      |    |
|   | struction Code:            | 1<br>Cable Taol            |                  |      |    |
| Method Cons   | struction:                 | Cable Tool                 |                  |      |    |

# Other Method Construction:

# Pipe Information

| Pipe ID:   | 10578887 |
|------------|----------|
| Casing No: | 1        |
| Comment:   |          |
| Alt Name:  |          |

## Construction Record - Casing

| Casing ID:               | 930053289 |
|--------------------------|-----------|
| Layer:                   | 2         |
| Material:                | 4         |
| Open Hole or Material:   | OPEN HOLE |
| Depth From:<br>Depth To: | 195       |
| Casing Diameter:         | 5         |
| Casing Diameter UOM:     | inch      |
| Casing Depth UOM:        | ft        |

# Construction Record - Casing

| Casing ID:  | 930053288             |
|---|-----------------------|
| Layer:  | 1                     |
| Material:   | 1                     |
| Open Hole or Material:  | STEEL                 |
| Depth From:<br>Depth To:<br>Casing Diameter:<br>Casing Diameter UOM:<br>Casing Depth UOM: | 78<br>5<br>inch<br>ft |

### Results of Well Yield Testing

| Pump Test ID:                 | 991508282 |
|-------------------------------|-----------|
| Pump Set At:<br>Static Level: | 60        |
| Final Level After Pumping:    | 70        |
| Recommended Pump Depth:       | 70        |
| Pumping Rate:                 | 7         |
| Flowing Rate:                 |           |
| Recommended Pump Rate:        | 7         |
| Levels UOM:                   | ft        |
| Rate UOM:                     | GPM       |
| Water State After Test Code:  | 1         |
| Water State After Test:       | CLEAR     |
| Pumping Test Method:          | 1         |
| Pumping Duration HR:          | 2         |
| Pumping Duration MIN:         | 0         |
| Flowing:                      | No        |

# Water Details

| Water ID:              | 933462714 |
|------------------------|-----------|
| Layer:                 | 3         |
| Kind Code:             | 1         |
| Kind:                  | FRESH     |
| Water Found Depth:     | 195       |
| Water Found Depth UOM: | ft        |

|   | nber of<br>ords  | Direction/<br>Distance (m)  | Elev/Diff<br>(m)      | Site  |  | DE   |
|---|--|---|-----------------------|---|--|------|
| Water Details   |  |   |                       |   |  |      |
| Water ID:<br>Layer:<br>Kind Code:<br>Kind:<br>Water Found Depth<br>Water Found Depth  |  | 933462713<br>2<br>1<br>FRESH<br>175<br>ft   |                       |   |  |      |
| Water Details   |  |   |                       |   |  |      |
| Water ID:<br>Layer:<br>Kind Code:<br>Kind:<br>Water Found Depth<br>Water Found Depth  |  | 933462712<br>1<br>1<br>FRESH<br>125<br>ft   |                       |   |  |      |
| <u>7</u> 1 of 2   | 2  | WSW/102.9   | 80.7 / 0.09           | Sunset Heights Apart<br>2880 Carling Avenue<br>Ottawa ON K2B 7Z1  | tments <unofficial></unofficial>                         | SPL  |
| Ref No:<br>Site No:<br>Incident Dt:<br>Year:<br>Incident Cause:<br>Incident Event:<br>Contaminant Code:<br>Contaminant Name<br>Contaminant Name<br>Contaminant Limit<br>Contam Limit Freq<br>Contaminant UN No<br>Environment Impact<br>Nature of Impact:<br>Receiving Medium:<br>Receiving Medium:<br>Receiving Medium:<br>Receiving Medium:<br>Dt MOE Response:<br>Dt MOE Response:<br>Dt MOE Arvl on Scr<br>MOE Reported Dt:<br>Dt Document Close<br>Incident Reason:<br>Site Name:<br>Site County/District<br>Site Geo Ref Meth:<br>Incident Summary:<br>Contaminant Qty: | 8/3/200<br>Intent -<br>: MOTO<br>1:<br>1:<br>2 1:<br>2 1:<br>2 1:<br>2 1:<br>2 1:<br>2 1:<br>2 1 | Intentional or planne<br>R OIL<br>ticipated<br>mpact(s)<br>95<br>ism - Illegal/deliberat<br>2880 Carling Aver |                       | Discharger Report:<br>Material Group:<br>Health/Env Conseq:<br>Client Type:<br>Sector Type:<br>Agency Involved:<br>Nearest Watercourse:<br>Site Address:<br>Site District Office:<br>Site Postal Code:<br>Site Region:<br>Site Region:<br>Site Kegion:<br>Site Conc:<br>Northing:<br>Easting:<br>Site Geo Ref Accu:<br>Site Geo Ref Accu:<br>Site Gap Datum:<br>SAC Action Class:<br>Source Type: | 0<br>Other<br>Ottawa<br>Ottawa<br>Spills to Watercourses |      |
| 7_ 2 of 2   | 2  | WSW/102.9   | 80.7 / 0.09           | Timbercreek Asset M<br>2880 Carling Avenue<br>Ottawa ON   | anagement  | GEN  |
| Generator No:<br>Status:<br>Approval Years:<br>Contam. Facility:<br>MHSW Facility:<br>SIC Code:<br>SIC Description:   | ON618<br>2012<br>531390  | )   | elated to Real Estate | PO Box No:<br>Country:<br>Choice of Contact:<br>Co Admin:<br>Phone No Admin:  |  |      |
| <u>8</u> 1 of 1   | 1  | SW/105.7  | 79.9 / -0.71          |   |  | BORE |
| _   | 6  | vironmental Risk In   | formation Operation   |   | Order No: 2  |      |

erisinfo.com | Environmental Risk Information Services

| Record                  |                       | (11)  |                |
|-------------------------|-----------------------|---|----------------|
|                         |                       | ON  |                |
| Revehola ID:            | 610002                | Inclin El Ci  | No             |
| Borehole ID:<br>OGF ID: | 610903<br>215512413   | Inclin FLG:<br>SP Status:                                   | Initial Entry  |
| Status:                 | 215512415             | SP Status:<br>Surv Elev:                                    | No             |
|                         | Borehole              | Piezometer:   | No             |
| Type:<br>Use:           | Dorenole              | Priezonneter.<br>Primary Name:                              | NU             |
| Completion Date:        | AUG-1971              | Municipality:   |                |
| Static Water Level:     | A00-1971              | Lot:  |                |
| Primary Water Use:      |                       | Township:   |                |
| Sec. Water Use:         |                       | Latitude DD:  | 45.357197      |
| Total Depth m:          | 9.6                   | Longitude DD:   | -75.798852     |
| Depth Ref:              | Ground Surface        | UTM Zone:   | 18             |
| Depth Elev:             |                       | Easting:  | 437431         |
| Drill Method:           |                       | Northing:   | 5022942        |
| Orig Ground Elev m:     | 81.1                  | Location Accuracy:  |                |
| Elev Reliabil Note:     |                       | Accuracy:   | Not Applicable |
| DEM Ground Elev m:      | 81.3                  |   |                |
| Concession:             |                       |   |                |
| Location D:             |                       |   |                |
| Survey D:               |                       |   |                |
| Comments:               |                       |   |                |
| Borehole Geology Strat  | <u>um</u>             |   |                |
| Geology Stratum ID:     | 218386886             | Mat Consistency:  | Dense          |
| Top Depth:              | 4.6                   | Material Moisture:  |                |
| Bottom Depth:           | 6.1                   | Material Texture:   |                |
| Material Color:         |                       | Non Geo Mat Type:   |                |
| Material 1:             | Gravel                | Geologic Formation:   |                |
| Material 2:             | Sand                  | Geologic Group:   |                |
| Material 3:             | Silt                  | Geologic Period:  |                |
| Material 4:             |                       | Depositional Gen:   |                |
| Gsc Material Descriptio | n:                    | -   |                |
| Stratum Description:    | GRAVEL,SAND,SI        | LT. VERY DENSE.   |                |
| Geology Stratum ID:     | 218386887             | Mat Consistency:  | Dense          |
| Top Depth:              | 6.1                   | Material Moisture:  |                |
| Bottom Depth:           | 8.4                   | Material Texture:   |                |
| Material Color:         |                       | Non Geo Mat Type:   |                |
| Material 1:             | Gravel                | Geologic Formation:   |                |
| Material 2:             | Sand                  | Geologic Group:   |                |
| Material 3:             | Silt                  | Geologic Period:  |                |
| Material 4:             |                       | Depositional Gen:   |                |
| Gsc Material Descriptio | n:                    |   |                |
| Stratum Description:    | GRAVEL,SAND,SI        | LT. VERY DENSE.   |                |
| Geology Stratum ID:     | 218386888             | Mat Consistency:  | Dense          |
| Top Depth:              | 8.4                   | Material Moisture:  |                |
| Bottom Depth:           | 9.1                   | Material Texture:   |                |
| Material Color:         |                       | Non Geo Mat Type:   |                |
| Material 1:             | Sand                  | Geologic Formation:   |                |
| Material 2:             | Gravel                | Geologic Group:   |                |
| Material 3:             | Silt                  | Geologic Period:  |                |
| Material 4:             |                       | Depositional Gen:   |                |
| Gsc Material Descriptio |                       |   |                |
| Stratum Description:    | SAND,GRAVEL,SI        | LT. VERY DENSE.   |                |
| Geology Stratum ID:     | 218386889             | Mat Consistency:  |                |
| Top Depth:              | 9.1                   | Material Moisture:  |                |
| _ · · · _               | 0.0                   | Material Texture:   |                |
| Bottom Depth:           | 9.6                   |   |                |
| Material Color:         |                       | Non Geo Mat Type:   |                |
|                         | 9.6<br>Sand<br>Gravel | Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group: |                |

Мар Кеу

Number of

Records

Direction/

Distance (m)

Elev/Diff

(m)

Site

| Map Key  | Number<br>Records |               | Direction/<br>Distance (m) | Elev/Diff<br>(m)    | Site  |   | D  |
|--|-------------------|---------------|----------------------------|---------------------|---|---|----|
| Material 3:  |                   |               |                            |                     | Geologic Period:  |   |    |
| Material 4:  |                   |               |                            |                     | Depositional Gen:   |   |    |
| Gsc Material   |                   | 1:            |                            |                     |   |   |    |
| Stratum Desc   | cription:         |               |                            |                     | 12 00150 009 00200 009 00<br>runcated [Stratum Descriptio | 0275 013 00300 012 **Note: Many records<br>on] field. | 5  |
| Geology Stra<br>Top Depth:   | tum ID:           | 21838688<br>2 | 85                         |                     | Mat Consistency:<br>Material Moisture:                    | Dense   |    |
| Bottom Depth   | h.                | 4.6           |                            |                     | Material Texture:   | Fine to Medium  |    |
| Aaterial Colo  |                   |               |                            |                     | Non Geo Mat Type:   |   |    |
| Material 1:  |                   | Sand          |                            |                     | Geologic Formation:                                       |   |    |
| Material 2:  |                   | Gravel        |                            |                     | Geologic Group:   |   |    |
| Material 3:  |                   | Silt          |                            |                     | Geologic Period:  |   |    |
| Material 4:  |                   | Ont           |                            |                     | Depositional Gen:   |   |    |
| Gsc Material   | Description       | ŋ <i>.</i>    |                            |                     | Depositional Gen.   |   |    |
| Stratum Desc   | •                 |               | SAND,GRAVEL-F              | INE TO MEDIUM,      | SILT. DENSE.  |   |    |
| Geology Stra   | tum ID:           | 2183868       | 84                         |                     | Mat Consistency:  |   |    |
| Top Depth:   |                   | 0             |                            |                     | Material Moisture:  |   |    |
| Bottom Deptl   |                   | 2             |                            |                     | Material Texture:   |   |    |
| Material Colo  | r:                |               |                            |                     | Non Geo Mat Type:   |   |    |
| Material 1:  |                   |               |                            |                     | Geologic Formation:                                       |   |    |
| Material 2:  |                   | Sand          |                            |                     | Geologic Group:   |   |    |
| Material 3:  |                   | Gravel        |                            |                     | Geologic Period:  |   |    |
| Material 4:  |                   | Bedrock       |                            |                     | Depositional Gen:   |   |    |
| Gsc Material   | Description       | 1:            |                            |                     |   |   |    |
| Stratum Desc   | cription:         |               | ARTIFICIAL,SANE            | D, GRAVEL,ROCK      | •   |   |    |
| Source   |                   |               |                            |                     |   |   |    |
| Source Type:   | •                 | Data Sur      | vev                        |                     | Source Appl:  | Spatial/Tabular                                       |    |
| Source Orig:   |                   |               | al Survey of Canada        | а                   | Source Iden:  | 1   |    |
| Source Date:   |                   | 1956-197      |                            |                     | Scale or Res:   | Varies  |    |
| Confidence:  |                   | H             | -                          |                     | Horizontal:   | NAD27   |    |
| Observatio:  |                   |               |                            |                     | Verticalda:   | Mean Average Sea Level                                |    |
| Source Name  | · ·               |               | Urban Geology Au           | itomated Informatio | on System (UGAIS)   | mean , werage dea zever                               |    |
| Source Detail  |                   |               |                            |                     | 0 NTS_Sheet: 31G05C                                       |   |    |
| Confiden 1:  |                   |               |                            |                     | omplete description of mate                               | rial and properties.                                  |    |
| Source List  |                   |               |                            |                     |   |   |    |
| Source Identi  | ifier:            | 1             |                            |                     | Horizontal Datum:   | NAD27   |    |
| Source Type:   |                   | Data Sur      | vev                        |                     | Vertical Datum:   | Mean Average Sea Level                                |    |
| Source Date:   |                   | 1956-197      |                            |                     | Projection Name:  | Universal Transverse Mercator                         |    |
| Scale or Reso  |                   | Varies        | -                          |                     | . rejection Nume.   |   |    |
| Source Name  |                   |               | Urban Geology Au           | Itomated Informatio | on System (UGAIS)   |   |    |
| Source Origin  |                   |               | Geological Survey          |                     |   |   |    |
| 9  | 1 of 2            |               | ESE/121.6                  | 80.9/0.29           |   |   | ww |
|  |                   |               |                            |                     | ON  |   |    |
| Vell ID:   | _                 | 1508280       |                            |                     | Data Entry Status:  |   |    |
| Construction   |                   | <u> </u>      |                            |                     | Data Src:   | 1   |    |
| Primary Wate   |                   | Domestic      | ;                          |                     | Date Received:  | 11/26/1951  |    |
| Sec. Water Us  |                   | 0             |                            |                     | Selected Flag:  | Yes   |    |
|  | atus:             | Water Su      | ipply                      |                     | Abandonment Rec:  | 1999  |    |
|  |                   |               |                            |                     | Contractor:   | 4832  |    |
| Vater Type:  | ial:              |               |                            |                     | Form Version:   | 1   |    |
| Vater Type:<br>Casing Mater  |                   |               |                            |                     | Owner:  |   |    |
| Vater Type:<br>Casing Mater  |                   |               |                            |                     |   |   |    |
| Vater Type:<br>Casing Mater<br>Audit No:   |                   |               |                            |                     | Street Name:  |   |    |
| Final Well Sta<br>Vater Type:<br>Casing Mater<br>Audit No:<br>Fag:<br>Construction |                   |               |                            |                     | Street Name:<br>County:                                   | OTTAWA  |    |
| Vater Type:<br>Casing Mater<br>Audit No:<br>Fag:                                   | Method:           |               |                            |                     |   | OTTAWA<br>OTTAWA CITY                                 |    |

|   | Number<br>Records  |                             | Direction/<br>Distance (m)   | Elev/Diff<br>(m)  | Site  |                                     | D |
|---|--|-----------------------------|--|-------------------|---|-------------------------------------|---|
| Depth to Bedr<br>Well Depth:<br>Overburden/B<br>Pump Rate:<br>Static Water L<br>Flowing (Y/N):<br>Flow Rate:<br>Clear/Cloudy:   | edrock:<br>evel:   |                             |  |                   | Lot:<br>Concession:<br>Concession Name:<br>Easting NAD83:<br>Northing NAD83:<br>Zone:<br>UTM Reliability: |                                     |   |
| PDF URL (Map  | o):  |                             | https://d2khazk8e83  | rdv.cloudfront.ne | et/moe mapping/downloads  | s/2Water/Wells_pdfs/150\1508280.pdf |   |
|   |  |                             | ·  |                   |   |                                     |   |
| <u>Bore Hole Info</u><br>Bore Hole ID:  | rmation  | 10030315                    |  |                   | Elevation:  | 84.532608                           |   |
| DP2BR:  |  | 70                          | ,  |                   | Elevic:   | 84.552000                           |   |
|   |  | 10                          |  |                   | Zone:   | 18                                  |   |
| Spatial Status  | •  |                             |  |                   |   |                                     |   |
| Code OB:  | _  | r<br>Dedreels               |  |                   | East83:   | 437630.7                            |   |
| Code OB Desc  |  | Bedrock                     |  |                   | North83:  | 5022942                             |   |
| Open Hole:  |  |                             |  |                   | Org CS:   | F                                   |   |
| Cluster Kind:   |  | 7/45/4050                   |  |                   | UTMRC:  | 5                                   |   |
| Date Complete   | ed:  | 7/15/1950                   | )  |                   | UTMRC Desc:   | margin of error : 100 m - 300 m     |   |
| Remarks:  |  |                             |  |                   | Location Method:  | p5                                  |   |
| Elevrc Desc:<br>.ocation Sour   |  |                             |  |                   |   |                                     |   |
| mprovement i<br>mprovement i<br>Source Revisi   | Location S<br>Location M   | lethod:                     |  |                   |   |                                     |   |
|   |  |                             |  |                   |   |                                     |   |
| Overburden al<br>laterials Inter<br>Formation ID:   | nd Bedrocl   | <u>k</u>                    | 931009245  |                   |   |                                     |   |
| <u>Dverburden an</u><br>Materials Inter<br>Formation ID:<br>ayer:<br>Color:<br>General Color  | nd Bedrocl<br>val  | <u>¢</u>                    | 1  |                   |   |                                     |   |
| Overburden an<br>Materials Inter<br>Formation ID:<br>ayer:<br>Color:<br>General Color<br>Mat1:  | nd Bedrocl<br>val  | <u>د</u>                    | 1<br>09  |                   |   |                                     |   |
| <u>Dverburden au</u><br>Materials Inter<br>Formation ID:<br>Layer:<br>Color:<br>General Color<br>Mat1:<br>Most Commor<br>Mat2:<br>Mat2 Desc:<br>Mat3:   | nd Bedrocl<br>val  | <u>د</u>                    | 1  |                   |   |                                     |   |
| Overburden an<br>Materials Inter<br>Formation ID:<br>.ayer:<br>Color:<br>General Color<br>Mat1:<br>Most Commor<br>Mat2:<br>Mat2 Desc:<br>Mat3:<br>Mat3 Desc:  | n <u>d Bedroci<br/>val</u><br>:<br>n Material:   | <u>د</u>                    | 1<br>09<br>MEDIUM SAND   |                   |   |                                     |   |
| Dverburden an<br>Materials Inter<br>Formation ID:<br>.ayer:<br>Color:<br>General Color<br>Mat1:<br>Mat1:<br>Mat2:<br>Mat2:<br>Mat2 Desc:<br>Mat3:<br>Mat3 Desc:<br>Formation Top  | nd Bedrocl<br>val<br>:<br>n Material:<br>o Depth:  | <u>¢</u>                    | 1<br>09<br>MEDIUM SAND<br>0  |                   |   |                                     |   |
| Dverburden an<br>Materials Inter<br>Formation ID:<br>.ayer:<br>Color:<br>General Color<br>Mat1:<br>Mat2:<br>Mat2 Desc:<br>Mat2 Desc:<br>Mat3:<br>Mat3 Desc:<br>Formation Top<br>Formation End   | nd Bedroci<br>val<br>:<br>n Material:<br>n Depth:<br>d Depth:  | <u>k</u>                    | 1<br>09<br>MEDIUM SAND   |                   |   |                                     |   |
| Overburden au<br>Aaterials Inter<br>Formation ID:<br>.ayer:<br>Color:<br>Color:<br>General Color<br>Mat1:<br>Most Commor<br>Mat2:<br>Mat2 Desc:<br>Mat3:<br>Mat3 Desc:<br>Formation End<br>Formation End<br>Formation End   | nd Bedroci<br>val<br>:<br>n Material:<br>d Depth:<br>d Depth:<br>d Depth UC<br>nd Bedroci  | <u>k</u><br>DM:             | 1<br>09<br>MEDIUM SAND<br>0<br>70  |                   |   |                                     |   |
| <u>Dverburden au</u><br><u>Aaterials Inter</u><br>Formation ID:<br>Jayer:<br>Color:<br>General Color<br>Mat1:<br>Most Commor<br>Mat2:<br>Mat2 Desc:<br>Mat3 Desc:<br>Mat3 Desc:<br>Formation Ence<br>Formation Ence<br>Dverburden au<br>Materials Inter<br>Formation ID:  | nd Bedroci<br>val<br>:<br>n Material:<br>d Depth:<br>d Depth:<br>d Depth UC<br>nd Bedroci  | <u>s</u><br>DM:<br><u>s</u> | 1<br>09<br>MEDIUM SAND<br>0<br>70<br>ft<br>931009246                               |                   |   |                                     |   |
| Overburden an<br>Materials Inter<br>Formation ID:<br>ayer:<br>Color:<br>General Color<br>Mat1:<br>Most Common<br>Mat2:<br>Mat2 Desc:<br>Mat3 Desc:<br>Tormation Ence<br>Formation Ence<br>Tormation Ence<br>Tormation ID:<br>ayer:  | nd Bedroci<br>val<br>:<br>n Material:<br>d Depth:<br>d Depth:<br>d Depth UC<br>nd Bedroci  | <u>s</u><br>DM:<br><u>s</u> | 1<br>09<br>MEDIUM SAND<br>0<br>70<br>ft  |                   |   |                                     |   |
| Overburden an<br>Materials Inter<br>Formation ID:<br>.ayer:<br>Color:<br>General Color<br>Mat1:<br>Most Commor<br>Mat2:<br>Mat2 Desc:<br>Mat2 Desc:<br>Mat3:<br>Mat3 Desc:<br>Formation Enco<br>Formation Enco<br>Formation Enco<br>Coverburden an<br>Materials Inter<br>Formation ID:<br>.ayer:<br>Color:  | nd Bedroci<br>val<br>:<br>n Material:<br>d Depth:<br>d Depth:<br>d Depth UC<br>nd Bedroci  | <u>s</u><br>DM:<br><u>s</u> | 1<br>09<br>MEDIUM SAND<br>0<br>70<br>ft<br>931009246                               |                   |   |                                     |   |
| Overburden an<br>Interials Inter<br>Formation ID:<br>ayer:<br>Color:<br>General Color<br>Int1:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>Int2:<br>I | nd Bedroci<br>val<br>:<br>n Material:<br>d Depth:<br>d Depth:<br>d Depth UC<br>nd Bedroci  | <u>s</u><br>DM:<br><u>s</u> | 1<br>09<br>MEDIUM SAND<br>0<br>70<br>ft<br>931009246<br>2                          |                   |   |                                     |   |
| Dverburden an<br>Materials Inter<br>Formation ID:<br>ayer:<br>Color:<br>General Color<br>Mat1:<br>Most Commor<br>Mat2:<br>Mat2 Desc:<br>Mat3 Desc:<br>Formation End<br>Formation End<br>Cormation ID:<br>ayer:<br>Color:<br>Seneral Color<br>Mat1:<br>Most Commor<br>Mat2:  | nd Bedroci<br>val<br>:<br>n Material:<br>d Depth:<br>d Depth:<br>d Depth UC<br>nd Bedroci<br>val   | <u>¢</u><br>0M:<br><u>¢</u> | 1<br>09<br>MEDIUM SAND<br>0<br>70<br>ft<br>931009246                               |                   |   |                                     |   |
| Supplier Com<br><u>Dverburden an</u><br><u>Materials Inter</u><br>Formation ID:<br>Layer:<br>Color:<br>General Color.<br>Mat1:<br>Most Commor<br>Mat2:<br>Mat2 Desc:<br>Mat3 Desc:<br>Formation End<br>Formation End<br>Dverburden an<br>Materials Inter<br>Formation ID:<br>Layer:<br>Color:<br>General Color.<br>Mat2:<br>Mat2 Desc:<br>Mat3:<br>Mat2 Desc:<br>Mat2:<br>Mat2 Desc:<br>Mat2:<br>Mat2 Desc:<br>Mat2:<br>Mat2 Desc:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:<br>Mat2:  | nd Bedroci<br>val<br>:<br>n Material:<br>d Depth:<br>d Depth:<br>d Depth UC<br>nd Bedroci<br>val   | <u>¢</u><br>0M:<br><u>¢</u> | 1<br>09<br>MEDIUM SAND<br>0<br>70<br>ft<br>931009246<br>2<br>15                    |                   |   |                                     |   |
| <u>Dverburden au</u><br><u>Aaterials Inter</u><br>Formation ID:<br>.ayer:<br>Color:<br>General Color<br>Mat1:<br>Most Commor<br>Mat2:<br>Mat2 Desc:<br>Mat3 Desc:<br>Formation End<br>Coverburden au<br>Materials Inter<br>Formation ID:<br>.ayer:<br>Color:<br>General Color<br>Mat1:<br>Most Commor<br>Mat2:<br>Mat2 Desc:<br>Mat3 Desc:<br>Mat3 Desc:<br>Mat3 Desc:  | nd Bedroci<br>val<br>:<br>n Material:<br>d Depth:<br>d Depth:<br>d Depth UC<br>nd Bedroci<br>val<br>:<br>n Material:                         | <u>k</u><br>DM:<br><u>k</u> | 1<br>09<br>MEDIUM SAND<br>0<br>70<br>ft<br>931009246<br>2<br>15<br>LIMESTONE       |                   |   |                                     |   |
| Dverburden au<br>Materials Inter<br>Formation ID:<br>.ayer:<br>Color:<br>General Color<br>Mat1:<br>Most Commor<br>Mat2:<br>Mat3 Desc:<br>Formation End<br>Formation End<br>Formation End<br>Coverburden au<br>Materials Inter<br>Formation ID:<br>.ayer:<br>Color:<br>General Color<br>Mat1:<br>Most Commor<br>Mat2 Desc:<br>Mat3 Desc:<br>Mat3 Desc:<br>Formation Top  | nd Bedroci<br>val<br>:<br>n Material:<br>d Depth:<br>d Depth:<br>d Depth UC<br>nd Bedroci<br>val<br>:<br>n Material:                         | <u>k</u><br>DM:<br><u>k</u> | 1<br>09<br>MEDIUM SAND<br>0<br>70<br>ft<br>931009246<br>2<br>15<br>LIMESTONE<br>70 |                   |   |                                     |   |
| <u>Dverburden au</u><br><u>Aaterials Inter</u><br>Formation ID:<br>.ayer:<br>Color:<br>General Color<br>Mat1:<br>Most Commor<br>Mat2:<br>Mat2 Desc:<br>Mat3 Desc:<br>Formation End<br>Coverburden au<br>Materials Inter<br>Formation ID:<br>.ayer:<br>Color:<br>General Color<br>Mat1:<br>Most Commor<br>Mat2:<br>Mat2 Desc:<br>Mat3 Desc:<br>Mat3 Desc:<br>Mat3 Desc:  | nd Bedroci<br>val<br>:<br>n Material:<br>d Depth:<br>d Depth:<br>d Depth UC<br>nd Bedroci<br>val<br>:<br>n Material:<br>d Depth:<br>d Depth: | <u>s</u><br>DM:<br><u>s</u> | 1<br>09<br>MEDIUM SAND<br>0<br>70<br>ft<br>931009246<br>2<br>15<br>LIMESTONE       |                   |   |                                     |   |

| Мар Кеу   | Number of<br>Records   | Direction/<br>Distance (m)                                 | Elev/Diff<br>(m) | Site | DB |
|---|------------------------|--|------------------|------|----|
| <u>Method of Co</u><br><u>Use</u>   | nstruction & Well      |  |                  |      |    |
| Method Cons   | truction Code:         | 961508280<br>1<br>Cable Tool                               |                  |      |    |
| <u>Pipe Informat</u>  | ion                    |  |                  |      |    |
| Pipe ID:<br>Casing No:<br>Comment:<br>Alt Name:   |                        | 10578885<br>1  |                  |      |    |
| <b>Construction</b>   | Record - Casing        |  |                  |      |    |
| Casing ID:<br>Layer:<br>Material:<br>Open Hole or<br>Depth From:<br>Depth To:<br>Casing Diame<br>Casing Diame<br>Casing Depth | eter:<br>eter UOM:     | 930053285<br>2<br>4<br>OPEN HOLE<br>152<br>4<br>inch<br>ft |                  |      |    |
| <b>Construction</b>   | <u>Record - Casing</u> |  |                  |      |    |
| Casing ID:<br>Layer:<br>Material:<br>Open Hole or<br>Depth From:<br>Depth To:<br>Casing Diame<br>Casing Diame<br>Casing Depth | eter:<br>eter UOM:     | 930053284<br>1<br>1<br>STEEL<br>72<br>4<br>inch<br>ft      |                  |      |    |
| <u>Results of We</u>  | ell Yield Testing      |  |                  |      |    |
| Pump Test ID<br>Pump Set At:<br>Static Level:   | :                      | 991508280<br>60  |                  |      |    |

| Pump Set At:<br>Static Level: | 60  |
|-------------------------------|-----|
| Final Level After Pumping:    |     |
| Recommended Pump Depth:       |     |
| Pumping Rate:                 |     |
| Flowing Rate:                 |     |
| Recommended Pump Rate:        |     |
| Levels UOM:                   | ft  |
| Rate UOM:                     | GPM |
| Water State After Test Code:  |     |
| Water State After Test:       |     |
| Pumping Test Method:          |     |
| Pumping Duration HR:          |     |
| Pumping Duration MIN:         |     |
| Flowing:                      | No  |

# Water Details

### Water ID:

\_

| Map Key                    | Numbe<br>Record |         | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site               |             | DB   |
|----------------------------|-----------------|---------|----------------------------|------------------|--------------------|-------------|------|
| Layer:                     |                 |         | 1                          |                  |                    |             |      |
| Kind Code:                 |                 |         | 1                          |                  |                    |             |      |
| Kind:                      |                 |         | FRESH                      |                  |                    |             |      |
| Water Found                |                 |         | 75                         |                  |                    |             |      |
| Water Found                | I Depth UC      | )М:     | ft                         |                  |                    |             |      |
| Water Details              | <u>s</u>        |         |                            |                  |                    |             |      |
| Water ID:                  |                 |         | 933462708                  |                  |                    |             |      |
| Layer:                     |                 |         | 2                          |                  |                    |             |      |
| Kind Code:                 |                 |         | 1                          |                  |                    |             |      |
| Kind:                      |                 |         | FRESH                      |                  |                    |             |      |
| Water Found                |                 |         | 138                        |                  |                    |             |      |
| Water Found                | I Depth UC      | М:      | ft                         |                  |                    |             |      |
| Water Details              | <u>s</u>        |         |                            |                  |                    |             |      |
| Water ID:                  |                 |         | 933462709                  |                  |                    |             |      |
| Layer:                     |                 |         | 3                          |                  |                    |             |      |
| Kind Code:                 |                 |         | 1                          |                  |                    |             |      |
| Kind:                      |                 |         | FRESH                      |                  |                    |             |      |
| Water Found<br>Water Found |                 | М:      | 150<br>ft                  |                  |                    |             |      |
|                            |                 |         |                            |                  |                    |             |      |
| <u>9</u>                   | 2 of 2          |         | ESE/121.6                  | 80.9/0.29        |                    |             | wwis |
|                            |                 |         |                            |                  | ON                 |             |      |
| Well ID:                   |                 | 150828  | 1                          |                  | Data Entry Status: |             |      |
| Construction               |                 |         |                            |                  | Data Src:          | 1           |      |
| Primary Wate               | er Use:         | Domest  | ic                         |                  | Date Received:     | 8/1/1956    |      |
| Sec. Water U               |                 | 0       |                            |                  | Selected Flag:     | Yes         |      |
| Final Well St              | atus:           | Water S | Supply                     |                  | Abandonment Rec:   |             |      |
| Water Type:                |                 |         |                            |                  | Contractor:        | 3718        |      |
| Casing Mate                | rial:           |         |                            |                  | Form Version:      | 1           |      |
| Audit No:                  |                 |         |                            |                  | Owner:             |             |      |
| Tag:                       |                 |         |                            |                  | Street Name:       |             |      |
| Construction               |                 |         |                            |                  | County:            | OTTAWA      |      |
| Elevation (m               |                 |         |                            |                  | Municipality:      | OTTAWA CITY |      |
| Elevation Re               |                 |         |                            |                  | Site Info:         |             |      |
| Depth to Bed               | drock:          |         |                            |                  | Lot:               |             |      |
| Well Depth:                |                 |         |                            |                  | Concession:        |             |      |
| Overburden/                | Bedrock:        |         |                            |                  | Concession Name:   |             |      |

Clear/Cloudy: PDF URL (Map):

Pump Rate: Static Water Level:

Flowing (Y/N): Flow Rate:

https://d2khazk8e83rdv.cloudfront.net/moe\_mapping/downloads/2Water/Wells\_pdfs/150\1508281.pdf

Easting NAD83:

UTM Reliability:

Zone:

Northing NAD83:

### Bore Hole Information

| Bore Hole ID:<br>DP2BR: | 10030316<br>60 | Elevation:<br>Elevrc: | 84.532608                       |
|-------------------------|----------------|-----------------------|---------------------------------|
| Spatial Status:         |                | Zone:                 | 18                              |
| Code OB:                | r              | East83:               | 437630.7                        |
| Code OB Desc:           | Bedrock        | North83:              | 5022942                         |
| Open Hole:              |                | Org CS:               |                                 |
| Cluster Kind:           |                | UTMRC:                | 5                               |
| Date Completed:         | 2/15/1956      | UTMRC Desc:           | margin of error : 100 m - 300 m |
| Remarks:                |                | Location Method:      | р5                              |
| Elevrc Desc:            |                |                       |                                 |

| Мар Кеу   | Number of<br>Records                                      | Direction/<br>Distance (m)   | Elev/Diff<br>(m) | Site | DB |
|---|---|--|------------------|------|----|
| Improvemen  | t Location Source:<br>t Location Method:<br>sion Comment: |  |                  |      |    |
| <u>Overburden a</u><br><u>Materials Inte</u>  | and Bedrock<br>erval                                      |  |                  |      |    |
| Formation ID<br>Layer:<br>Color:<br>General Colo<br>Mat1:<br>Most Commo<br>Mat2:<br>Mat2 Desc:<br>Mat3 Desc:<br>Formation T   | or:<br>on Material:                                       | 931009248<br>2<br>2<br>GREY<br>15<br>LIMESTONE                       |                  |      |    |
| Formation To<br>Formation Ei<br>Formation Ei  | op Deptn:<br>nd Depth:<br>nd Depth UOM:                   | 60<br>100<br>ft  |                  |      |    |
| <u>Overburden a</u><br><u>Materials Inte</u>  | and Bedrock<br>erval                                      |  |                  |      |    |
| Formation ID<br>Layer:<br>Color:<br>General Colo<br>Mat1:<br>Most Commo<br>Mat2:<br>Mat2 Desc:<br>Mat3:<br>Mat3 Desc:<br>Formation To<br>Formation El<br>Formation El | or:<br>on Material:<br>op Depth:                          | 931009247<br>1<br>11<br>GRAVEL<br>09<br>MEDIUM SAND<br>0<br>60<br>ft |                  |      |    |
| <u>Use</u><br>Method Cons<br>Method Cons<br>Method Cons   | struction Code:   | 961508281<br>1<br>Cable Tool   |                  |      |    |
| Pipe Informa  |   |  |                  |      |    |
| Pipe ID:<br>Casing No:<br>Comment:<br>Alt Name:   |   | 10578886<br>1  |                  |      |    |
| <u>Construction</u>   | Record - Casing   |  |                  |      |    |
| Casing ID:<br>Layer:<br>Material:<br>Open Hole o<br>Depth From:   | r Material:   | 930053287<br>2<br>4<br>OPEN HOLE                                     |                  |      |    |

| Map Key                       | Number of<br>Records | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site   | DE  |
|-------------------------------|----------------------|----------------------------|------------------|--|-----|
| Depth To:                     |                      | 100                        |                  |  |     |
| Casing Diame                  |                      | 4<br>inch                  |                  |  |     |
| Casing Diame                  |                      | inch<br>ft                 |                  |  |     |
| Casing Depth                  |                      | π                          |                  |  |     |
| Construction                  | Record - Casing      |                            |                  |  |     |
| Casing ID:                    |                      | 930053286<br>1             |                  |  |     |
| Layer:<br>Material:           |                      | 1                          |                  |  |     |
| Open Hole or                  | Material:            | STEEL                      |                  |  |     |
| Depth From:                   |                      | -                          |                  |  |     |
| Depth To:                     |                      | 60                         |                  |  |     |
| Casing Diame                  |                      | 4                          |                  |  |     |
| Casing Diame                  |                      | inch                       |                  |  |     |
| Casing Depth                  | UOM:                 | ft                         |                  |  |     |
| Results of We                 | ell Yield Testing    |                            |                  |  |     |
| Pump Test ID                  |                      | 991508281                  |                  |  |     |
| Pump Set At:<br>Static Level: |                      | 30                         |                  |  |     |
|                               | fter Pumping:        | 40                         |                  |  |     |
|                               | ed Pump Depth:       |                            |                  |  |     |
| Pumping Rate                  |                      | 5                          |                  |  |     |
| Flowing Rate                  |                      |                            |                  |  |     |
|                               | ed Pump Rate:        |                            |                  |  |     |
| Levels UOM:                   |                      | ft                         |                  |  |     |
| Rate UOM:                     | fter Test Code:      | GPM<br>1                   |                  |  |     |
| Water State A                 |                      | CLEAR                      |                  |  |     |
| Pumping Tes                   |                      | 1                          |                  |  |     |
| Pumping Dur                   |                      | 0                          |                  |  |     |
| Pumping Dur                   | ation MIN:           | 30                         |                  |  |     |
| Flowing:                      |                      | No                         |                  |  |     |
| Water Details                 |                      |                            |                  |  |     |
| Water ID:                     |                      | 933462710                  |                  |  |     |
| Layer:                        |                      | 1                          |                  |  |     |
| Kind Code:                    |                      |                            |                  |  |     |
| Kind:<br>Water Found          | Denth:               | FRESH<br>70                |                  |  |     |
| Water Found<br>Water Found    |                      | ft                         |                  |  |     |
| Water Details                 |                      |                            |                  |  |     |
| Water ID:                     |                      | 933462711                  |                  |  |     |
| Layer:                        |                      | 2                          |                  |  |     |
| Kind Code:                    |                      | 1                          |                  |  |     |
| Kind:                         |                      | FRESH                      |                  |  |     |
| Water Found<br>Water Found    |                      | 100<br>ft                  |                  |  |     |
| <u>10</u>                     | 1 of 1               | SE/142.4                   | 80.9 / 0.29      | RICHMOND HEIGHTS APARTMENTS<br>2841 RICHMOND ROAD<br>OTTAWA ON | GEN |
| Generator No                  | : ON516              | 57112                      |                  | PO Box No:   |     |
| Status:                       |                      |                            |                  | Country:   |     |
|                               | rs: 2012             |                            |                  | Choice of Contact:   |     |
| Approval Yea                  |                      |                            |                  |  |     |

erisinfo.com | Environmental Risk Information Services

| Мар Кеу   | Number<br>Records  |  | Direction/<br>Distance (m)   | Elev/Diff<br>(m)  | Site   | DE   |
|---|--|--|--|---|--|--|
| MHSW Facili   | ity:   |  |  |   | Phone No Admin:  |  |
| SIC Code:   |  | 531310   |  |   |  |  |
| SIC Descript  | ion:   |  | Real Estate Prope  | rty Managers  |  |  |
| <u>11</u>   | 1 of 1   |  | ESE/147.0  | 81.7 / 1.08   | <u></u>  | BORE   |
|   |  |  |  |   | ON   |  |
| Borehole ID:  |  | 610907   |  |   | Inclin FLG:  | No   |
| OGF ID:   |  | 2155124  | 17   |   | SP Status:   | Initial Entry  |
| Status:<br>Type:  |  | Borehole   |  |   | Surv Elev:<br>Piezometer:  | No<br>No   |
| Use:  |  | Dorchold   |  |   | Primary Name:  | NO   |
| Completion L  | Date:  |  |  |   | Municipality:  |  |
| Static Water  | Level:   | 1.5  |  |   | Lot:   |  |
| Primary Wate  |  |  |  |   | Township:  | 15 057 10  |
| Sec. Water U  |  | -999   |  |   | Latitude DD:   | 45.35749   |
| Total Depth r<br>Depth Ref:   | <i>m:</i>  | -999<br>Ground S   | Surface  |   | Longitude DD:<br>UTM Zone:   | -75.795665<br>18   |
| Depth Elev:   |  | Cround C   | Sanaoo   |   | Easting:   | 437681   |
| Drill Method:   | :  |  |  |   | Northing:  | 5022972  |
| Orig Ground   |  | 83.8   |  |   | Location Accuracy:   |  |
| Elev Reliabil   |  | 04.4   |  |   | Accuracy:  | Not Applicable   |
| DEM Ground<br>Concession:   |  | 84.1   |  |   |  |  |
| Location D:   |  |  |  |   |  |  |
| Survey D:   |  |  |  |   |  |  |
| Comments:   |  |  |  |   |  |  |
| Geology Stra<br>Top Depth:  | atum ID:   | <u>um</u><br>2183869<br>21.3   | 00   |   | Mat Consistency:<br>Material Moisture:<br>Material Texture:  | Dense  |
| Geology Stra<br>Top Depth:<br>Bottom Dept<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:  | atum ID:<br>th:<br>pr:   | 2183869<br>21.3<br>Bedrock<br>Limestor   |  |   | Material Moisture:   | Dense  |
| Geology Stra<br>Top Depth:<br>Bottom Dept<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material  | atum ID:<br>h:<br>br:<br>Description   | 2183869<br>21.3<br>Bedrock<br>Limestor   | ie   | TONE WATER S  | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:  |  |
| Geology Stra<br>Top Depth:<br>Bottom Dept<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material  | atum ID:<br>h:<br>br:<br>Description   | 2183869<br>21.3<br>Bedrock<br>Limestor   | ie<br>BEDROCK,LIMES  |   | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>TABLE AT 270.0 FEET.SILT  |  |
| Borehole Geo<br>Geology Stra<br>Top Depth:<br>Bottom Depth:<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 3:<br>Gsc Material<br>Stratum Deso<br>Geology Stra  | atum ID:<br>th:<br>pr:<br>Description<br>cription:   | 2183869<br>21.3<br>Bedrock<br>Limestor   | ne<br>BEDROCK,LIMES<br>GR **Note: Many r   |   | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>TABLE AT 270.0 FEET.SILT  | . DENSE. GRAVEL,SAND,SILT. VERY DENSI  |
| Geology Stra<br>Top Depth:<br>Bottom Dept<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material<br>Stratum Dest<br>Geology Stra<br>Top Depth:  | atum ID:<br>th:<br>pr:<br>Description<br>cription:<br>atum ID:   | 2183869<br>21.3<br>Bedrock<br>Limestor<br><b>n:</b><br>2183868<br>0  | ne<br>BEDROCK,LIMES<br>GR **Note: Many r   |   | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>TABLE AT 270.0 FEET.SILT<br>y the department have a trur<br>Mat Consistency:<br>Material Moisture:  | . DENSE. GRAVEL,SAND,SILT. VERY DENSI  |
| Geology Stra<br>Top Depth:<br>Bottom Dept<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material<br>Stratum Dest<br>Geology Stra<br>Top Depth:<br>Bottom Dept   | atum ID:<br>th:<br>pr:<br>Description<br>cription:<br>atum ID:<br>th:  | 2183869<br>21.3<br>Bedrock<br>Limestor<br><i>n:</i><br>2183868   | ne<br>BEDROCK,LIMES<br>GR **Note: Many r   |   | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>TABLE AT 270.0 FEET.SILT<br>y the department have a trun<br>Mat Consistency:<br>Material Moisture:<br>Material Texture:   | . DENSE. GRAVEL,SAND,SILT. VERY DENSI  |
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| Geology Stra<br>Top Depth:<br>Bottom Dept<br>Material Colo<br>Material 2:<br>Material 2:<br>Material 3:<br>Material 3:<br>Material 4:<br>Gsc Material<br>Stratum Dest<br>Material 2:<br>Material 2:<br>Material 2:<br>Material 3:<br>Material 3:<br>Material 4:<br>Gsc Material<br>Stratum Dest<br>Source Type<br>Source Type<br>Source Date:<br>Confidence:                              | atum ID:<br>th:<br>pr:<br>Description<br>cription:<br>atum ID:<br>th:<br>pr:<br>Description<br>cription:             | 2183869<br>21.3<br>Bedrock<br>Limeston<br>n:<br>2183868<br>0<br>21.3<br>Sand<br>n:<br>Data Sur<br>Geologic             | BEDROCK,LIMES<br>GR **Note: Many r<br>99<br>SAND.<br>vey   | records provided b  | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>TABLE AT 270.0 FEET.SILT<br>y the department have a trun<br>Mat Consistency:<br>Material Moisture:<br>Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>Source Appl:<br>Source Iden:<br>Scale or Res:<br>Horizontal:              | DENSE. GRAVEL,SAND,SILT. VERY DENS<br>notated [Stratum Description] field.<br>Spatial/Tabular<br>1<br>Varies<br>NAD27                                |
| Geology Stra<br>Top Depth:<br>Bottom Dept<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 3:<br>Gsc Material<br>Stratum Dest<br>Geology Stra<br>Top Depth:<br>Bottom Dept<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 2:<br>Material 3:<br>Material 3:<br>Material 4:<br>Gsc Material<br>Stratum Dest<br>Stratum Dest                            | atum ID:<br>th:<br>Description<br>cription:<br>atum ID:<br>th:<br>Description<br>cription:                           | 2183869<br>21.3<br>Bedrock<br>Limestor<br>n:<br>2183868<br>0<br>21.3<br>Sand<br>n:<br>Data Sur<br>Geologic<br>1956-197 | Ne<br>BEDROCK,LIMES<br>GR **Note: Many r<br>99<br>SAND.<br>SAND.   | records provided b  | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>TABLE AT 270.0 FEET.SILT<br>y the department have a trur<br>Mat Consistency:<br>Material Moisture:<br>Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>Source Appl:<br>Source Iden:<br>Scale or Res:                             | DENSE. GRAVEL,SAND,SILT. VERY DENSIncated [Stratum Description] field.   |
| Geology Stra<br>Top Depth:<br>Bottom Dept<br>Material Colo<br>Material Colo<br>Material 2:<br>Material 2:<br>Material 3:<br>Material 3:<br>Gsc Material<br>Stratum Dest<br>Material Colo<br>Material 2:<br>Material 2:<br>Material 3:<br>Material 3:<br>Material 3:<br>Material 4:<br>Gsc Material<br>Stratum Dest<br>Source<br>Source Type<br>Source Date:<br>Confidence:<br>Observatio: | atum ID:<br>th:<br>pr:<br>Description<br>cription:<br>atum ID:<br>th:<br>pr:<br>Description<br>cription:<br>e:<br>e: | 2183869<br>21.3<br>Bedrock<br>Limestor<br>n:<br>2183868<br>0<br>21.3<br>Sand<br>n:<br>Data Sur<br>Geologic<br>1956-197 | BEDROCK,LIMES<br>GR **Note: Many r<br>99<br>SAND.<br>Vey<br>al Survey of Canada<br>72<br>Urban Geology Au<br>File: OTTAWA1.txt | ecords provided b<br>tomated Information<br>t RecordID: 03415 | Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>TABLE AT 270.0 FEET.SILT<br>y the department have a trur<br>Mat Consistency:<br>Material Moisture:<br>Material Moisture:<br>Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Group:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>Source Appl:<br>Source Iden:<br>Scale or Res:<br>Horizontal:<br>Verticalda: | T. DENSE. GRAVEL, SAND, SILT. VERY DENS<br>Incated [Stratum Description] field.<br>Spatial/Tabular<br>1<br>Varies<br>NAD27<br>Mean Average Sea Level |

| Map Key   | Numbe<br>Record  |   | Direction/<br>Distance (m) | Elev/Diff<br>(m)                | Site  |  | DE   |
|---|--|---|----------------------------|---------------------------------|---|--|------|
| <u>Source List</u>  |  |   |                            |                                 |   |  |      |
| Source Ident<br>Source Type<br>Source Date<br>Scale or Res<br>Source Name<br>Source Origi   | :<br>olution:<br>e:  |   | 2                          | tomated Informatic<br>of Canada | Horizontal Datum:<br>Vertical Datum:<br>Projection Name:<br>n System (UGAIS)  | NAD27<br>Mean Average Sea Level<br>Universal Transverse Mercator |      |
| <u>12</u>   | 1 of 1   |   | W/150.0                    | 67.7/-12.88                     | ON  |  | wwis |
| Well ID:<br>Construction<br>Primary Wate<br>Sec. Water U<br>Final Well St<br>Water Type:<br>Casing Mate<br>Audit No:<br>Tag:<br>Construction<br>Elevation (m,<br>Elevation Re<br>Depth to Bec<br>Well Depth:<br>Overburden/<br>Pump Rate:<br>Static Water<br>Flowing (Y/N<br>Flow Rate:<br>Clear/Cloudy | er Use:<br>Ise:<br>atus:<br>rial:<br>n Method:<br>):<br>liability:<br>Irock:<br>Bedrock:<br>[Bedrock:<br>Level:<br>]): | 1507995<br>Domestic<br>0<br>Water Sup       | ply                        |                                 | Data Entry Status:<br>Data Src:<br>Date Received:<br>Selected Flag:<br>Abandonment Rec:<br>Contractor:<br>Form Version:<br>Owner:<br>Street Name:<br>County:<br>Municipality:<br>Site Info:<br>Lot:<br>Concession:<br>Concession:<br>Concession Name:<br>Easting NAD83:<br>Northing NAD83:<br>Zone:<br>UTM Reliability: | 8<br>9/7/1954<br>Yes<br>3725<br>1<br>OTTAWA<br>OTTAWA CITY       |      |
| PDF URL (Ma   | ap):   | I   | https://d2khazk8e8         | 33rdv.cloudfront.ne             | t/moe_mapping/downloads   | s/2Water/Wells_pdfs/150\1507995.pdf                              |      |
| Bore Hole In  | formation  |   |                            |                                 |   |  |      |
| Bore Hole ID<br>DP2BR:<br>Spatial Statu<br>Code OB:<br>Code OB De:<br>Open Hole:<br>Cluster Kind<br>Date Comple   | sc:<br>sc:<br>:<br>sted:   | 10030030<br>15<br>r<br>Bedrock<br>10/7/1953 |                            |                                 | Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc:<br>Location Method:   | 66.787635<br>18<br>437350.7<br>5023022<br>9<br>unknown UTM<br>p9 |      |
| Remarks:<br>Elevrc Desc:<br>Location Sou<br>Improvemen<br>Improvemen<br>Source Revis<br>Supplier Con  | urce Date:<br>t Location<br>t Location<br>sion Comm  | Method:                                     |                            |                                 |   |  |      |
| Elevrc Desc:<br>Location Sou<br>Improvemen<br>Improvemen<br>Source Revis<br>Supplier Con<br>Overburden  | urce Date:<br>t Location<br>t Location<br>sion Comm<br>nment:<br>and Bedroo  | Method:<br>nent:                            |                            |                                 |   |  |      |
| Elevrc Desc:<br>Location Sou<br>Improvemen<br>Improvemen<br>Source Revis  | urce Date:<br>t Location<br>t Location<br>sion Comm<br>nment:<br><u>and Bedron</u><br><u>erval</u><br>D:               | Method:<br>nent:<br><u>ck</u>               | 931008556<br>1             |                                 |   |  |      |

| Мар Кеу  | Number of<br>Records             | Direction/<br>Distance (m)  | Elev/Diff<br>(m) | Site | DB |
|--|----------------------------------|---|------------------|------|----|
| Most Commo<br>Mat2:<br>Mat2 Desc:<br>Mat3 Desc:<br>Formation To<br>Formation En  | op Depth:                        | CLAY<br>0<br>15<br>ft   |                  |      |    |
| Overburden<br>Materials Inte   | and Bedrock<br>erval             |   |                  |      |    |
| Formation ID<br>Layer:<br>Color:<br>General Colo<br>Mat1:<br>Most Commo<br>Mat2:<br>Mat2 Desc:<br>Mat3 Desc:<br>Formation To<br>Formation El<br>Formation El | or:<br>on Material:<br>op Depth: | 931008557<br>2<br>8<br>BLACK<br>15<br>LIMESTONE<br>15<br>75<br>ft |                  |      |    |
| <u>Method of Co</u><br><u>Use</u>  | onstruction & Well               |   |                  |      |    |
| Method Cons  | struction Code:                  | 961507995<br>1<br>Cable Tool                                      |                  |      |    |
| <u>Pipe Informa</u><br>Pipe ID:<br>Casing No:<br>Comment:<br>Alt Name:   | <u>tion</u>                      | 10578600<br>1   |                  |      |    |
| <u>Construction</u><br>Casing ID:<br>Layer:<br>Material:<br>Open Hole of<br>Depth From:<br>Depth To:<br>Casing Diam<br>Casing Diam<br>Casing Depth           | eter:<br>eter UOM:               | 930052717<br>2<br>4<br>OPEN HOLE<br>75<br>4<br>inch<br>ft         |                  |      |    |
| <u>Construction</u><br>Casing ID:<br>Layer:<br>Material:<br>Open Hole o<br>Depth From:<br>Depth To:<br>Casing Diam   |                                  | 930052716<br>1<br>STEEL<br>20<br>4                                |                  |      |    |

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| Мар Кеу                        | Numbe<br>Record |               | Direction/<br>Distance (m) | Elev/Diff<br>(m)  | Site                               |                                    | DE   |
|--------------------------------|-----------------|---------------|----------------------------|-------------------|------------------------------------|------------------------------------|------|
| Casing Diam                    |                 |               | inch                       |                   |                                    |                                    |      |
| Casing Deptl                   | h UOM:          |               | ft                         |                   |                                    |                                    |      |
| Results of W                   | ell Yield Te    | esting        |                            |                   |                                    |                                    |      |
| Pump Test IL                   |                 |               | 991507995                  |                   |                                    |                                    |      |
| Pump Set At:<br>Static Level:  |                 |               | 30                         |                   |                                    |                                    |      |
| Final Level A                  |                 | na.           | 30                         |                   |                                    |                                    |      |
| Recommend                      |                 |               |                            |                   |                                    |                                    |      |
| Pumping Rat                    |                 |               |                            |                   |                                    |                                    |      |
| Flowing Rate                   |                 |               |                            |                   |                                    |                                    |      |
| Recommend                      |                 | late:         |                            |                   |                                    |                                    |      |
| Levels UOM:                    |                 |               | ft                         |                   |                                    |                                    |      |
| Rate UOM:<br>Water State A     | Aftor Tost (    | odo:          | GPM                        |                   |                                    |                                    |      |
| Water State A                  |                 | Joue.         |                            |                   |                                    |                                    |      |
| Pumping Tes                    |                 |               |                            |                   |                                    |                                    |      |
| Pumping Dui                    |                 |               |                            |                   |                                    |                                    |      |
| Pumping Du                     | ration MIN:     |               |                            |                   |                                    |                                    |      |
| Flowing:                       |                 |               | No                         |                   |                                    |                                    |      |
| Water Details                  | <u>S</u>        |               |                            |                   |                                    |                                    |      |
| Water ID:                      |                 |               | 933462316                  |                   |                                    |                                    |      |
| Layer:                         |                 |               | 1                          |                   |                                    |                                    |      |
| Kind Code:                     |                 |               | 1<br>FRESH                 |                   |                                    |                                    |      |
| Kind:<br>Water Found           | I Donth:        |               | 75                         |                   |                                    |                                    |      |
| Water Found                    |                 | М:            | ft                         |                   |                                    |                                    |      |
| 13                             | 1 of 1          |               | SE/164.7                   | 80.8 / 0.25       |                                    |                                    |      |
|                                |                 |               |                            |                   | ON                                 |                                    | WWIS |
| Well ID:                       |                 | 1507984       | Ļ                          |                   | Data Entry Status:                 |                                    |      |
| Construction                   |                 |               |                            |                   | Data Src:                          | 1                                  |      |
| Primary Wate                   |                 | Domesti       | С                          |                   | Date Received:                     | 11/16/1951                         |      |
| Sec. Water U<br>Final Well Sta |                 | 0<br>Water Si | upply                      |                   | Selected Flag:<br>Abandonment Rec: | Yes                                |      |
| Water Type:                    | alus.           | Water O       | uppiy                      |                   | Contractor:                        | 3601                               |      |
| Casing Mater                   | rial:           |               |                            |                   | Form Version:                      | 1                                  |      |
| Audit No:                      |                 |               |                            |                   | Owner:                             |                                    |      |
| Tag:                           |                 |               |                            |                   | Street Name:                       | 077.000                            |      |
| Construction                   |                 |               |                            |                   | County:                            | OTTAWA<br>OTTAWA CITY              |      |
| Elevation (m)<br>Elevation Rel |                 |               |                            |                   | Municipality:<br>Site Info:        | OTTAWA CITY                        |      |
| Depth to Bed                   |                 |               |                            |                   | Lot:                               |                                    |      |
| Well Depth:                    |                 |               |                            |                   | Concession:                        |                                    |      |
| Overburden/                    | Bedrock:        |               |                            |                   | Concession Name:                   |                                    |      |
| Pump Rate:                     | Laural          |               |                            |                   | Easting NAD83:                     |                                    |      |
| Static Water<br>Flowing (Y/N   |                 |               |                            |                   | Northing NAD83:<br>Zone:           |                                    |      |
| Flowing ( 1/N)                 | <i>.</i>        |               |                            |                   | Zone:<br>UTM Reliability:          |                                    |      |
| Clear/Cloudy                   | <i>ı</i> :      |               |                            |                   | e i ili i tonubility i             |                                    |      |
| PDF URL (Ma                    | ap):            |               | https://d2khazk8e8         | 3rdv.cloudfront.n | et/moe_mapping/downloads           | /2Water/Wells_pdfs/150\1507984.pdf |      |
| Bore Hole Inf                  | formation       |               |                            |                   |                                    |                                    |      |
|                                |                 |               |                            |                   |                                    |                                    |      |

| Bore Hole ID:   | 10030019 | Elevation: | 85.574172 |
|-----------------|----------|------------|-----------|
| DP2BR:          | 25       | Elevrc:    |           |
| Spatial Status: |          | Zone:      | 18        |
|                 |          |            |           |

| Map Key                               | Number of<br>Records        | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site             |             | DB |
|---------------------------------------|-----------------------------|----------------------------|------------------|------------------|-------------|----|
| Code OB:                              | r                           |                            |                  | East83:          | 437650.7    |    |
| Code OB Des                           | sc: Bedro                   | ck                         |                  | North83:         | 5022902     |    |
| Open Hole:                            |                             |                            |                  | Org CS:          |             |    |
| Cluster Kind                          | :                           |                            |                  | UTMRC:           | 9           |    |
| Date Comple                           | ted: 7/27/1                 | 951                        |                  | UTMRC Desc:      | unknown UTM |    |
| Remarks:                              |                             |                            |                  | Location Method: | p9          |    |
| Elevrc Desc:                          |                             |                            |                  |                  | ·           |    |
| Location Sou                          |                             |                            |                  |                  |             |    |
|                                       | t Location Source:          |                            |                  |                  |             |    |
|                                       | t Location Method           |                            |                  |                  |             |    |
|                                       | sion Comment:               |                            |                  |                  |             |    |
| Supplier Con                          |                             |                            |                  |                  |             |    |
| Overburden<br>Materials Inte          | <u>and Bedrock</u><br>erval |                            |                  |                  |             |    |
| Formation ID                          | ).                          | 931008533                  |                  |                  |             |    |
|                                       |                             | 4                          |                  |                  |             |    |
| Layer:<br>Color:                      |                             | 4                          |                  |                  |             |    |
| Color:<br>General Colo                |                             |                            |                  |                  |             |    |
| General Cold<br>Mat1:                 | Dr:                         | 21                         |                  |                  |             |    |
| Most Commo                            | on Motorial:                | GRANITE                    |                  |                  |             |    |
| Mat2:                                 | Jii Walendi.                | GRANITE                    |                  |                  |             |    |
| Matz.<br>Mat2 Desc:                   |                             |                            |                  |                  |             |    |
| Matz Desc.<br>Mat3:                   |                             |                            |                  |                  |             |    |
| Mats.<br>Mats Desc:                   |                             |                            |                  |                  |             |    |
| Formation To                          | on Denth:                   | 50                         |                  |                  |             |    |
| Formation E                           |                             | 100                        |                  |                  |             |    |
|                                       | nd Depth UOM:               | ft                         |                  |                  |             |    |
| Formation El                          | na Deptri OOM.              | n                          |                  |                  |             |    |
| Overburden<br>Materials Inte          | and Bedrock<br>erval        |                            |                  |                  |             |    |
| Formation ID                          | ):                          | 931008530                  |                  |                  |             |    |
| Layer:                                |                             | 1                          |                  |                  |             |    |
| Color:                                |                             |                            |                  |                  |             |    |
| General Cold                          | or:                         |                            |                  |                  |             |    |
| Mat1:                                 |                             | 05                         |                  |                  |             |    |
| Most Commo                            | on Material:                | CLAY                       |                  |                  |             |    |
| Mat2:                                 |                             | 13                         |                  |                  |             |    |
| Mat2 Desc:                            |                             | BOULDERS                   |                  |                  |             |    |
| Mat3:                                 |                             |                            |                  |                  |             |    |
| Mat3 Desc:                            |                             |                            |                  |                  |             |    |
| Formation To                          | op Depth:                   | 0                          |                  |                  |             |    |
| Formation E                           | nd Depth:                   | 10                         |                  |                  |             |    |
| Formation E                           | nd Depth UOM:               | ft                         |                  |                  |             |    |
| <u>Overburden a</u><br>Materials Inte | <u>and Bedrock</u><br>erval |                            |                  |                  |             |    |
| Formation ID                          |                             | 931008532                  |                  |                  |             |    |
| Layer:                                |                             | 3                          |                  |                  |             |    |
| Color:                                |                             | 5                          |                  |                  |             |    |
| General Colo                          | nr.                         |                            |                  |                  |             |    |
| Mat1:                                 |                             | 17                         |                  |                  |             |    |
| Most Commo                            | on Material                 | SHALE                      |                  |                  |             |    |
| Mat2:                                 | material.                   |                            |                  |                  |             |    |
| Matz.<br>Mat2 Desc:                   |                             |                            |                  |                  |             |    |
| Matz Desc.<br>Mat3:                   |                             |                            |                  |                  |             |    |
| Mats:<br>Mats Desc:                   |                             |                            |                  |                  |             |    |
|                                       | on Donth:                   | 25                         |                  |                  |             |    |
| Formation To                          |                             |                            |                  |                  |             |    |
| Formation E                           |                             | 50<br>ft                   |                  |                  |             |    |
| Formation El                          | nd Depth UOM:               | п                          |                  |                  |             |    |
|                                       |                             |                            |                  |                  |             |    |

| Мар Кеу                      | Number of<br>Records          | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|------------------------------|-------------------------------|----------------------------|------------------|------|----|
| Overburden<br>Materials Inte | <u>and Bedrock</u><br>erval   |                            |                  |      |    |
| Formation ID                 | ):                            | 931008531                  |                  |      |    |
| Layer:                       |                               | 2                          |                  |      |    |
| Color:<br>General Colo       | ~r·                           |                            |                  |      |    |
| Mat1:                        | л.                            | 11                         |                  |      |    |
| Most Commo                   | on Material:                  | GRAVEL                     |                  |      |    |
| Mat2:                        |                               |                            |                  |      |    |
| Mat2 Desc:<br>Mat3:          |                               |                            |                  |      |    |
| Mats.<br>Mats Desc:          |                               |                            |                  |      |    |
| Formation To                 | op Depth:                     | 10                         |                  |      |    |
| Formation E                  | nd Depth:                     | 25                         |                  |      |    |
| Formation E                  | nd Depth UOM:                 | ft                         |                  |      |    |
|                              | onstruction & Well            |                            |                  |      |    |
| <u>Use</u>                   |                               |                            |                  |      |    |
| Method Cons                  |                               | 961507984                  |                  |      |    |
|                              | struction Code:               | 1                          |                  |      |    |
| Method Cons<br>Other Metho   | struction:<br>d Construction: | Cable Tool                 |                  |      |    |
| Pipe Informa                 | tion                          |                            |                  |      |    |
|                              |                               | 40570500                   |                  |      |    |
| Pipe ID:<br>Casing No:       |                               | 10578589<br>1              |                  |      |    |
| Casing No.                   |                               | I                          |                  |      |    |
| Alt Name:                    |                               |                            |                  |      |    |
| Construction                 | n Record - Casing             |                            |                  |      |    |
| Casing ID:                   |                               | 930052694                  |                  |      |    |
| Layer:                       |                               | 1                          |                  |      |    |
| Material:                    |                               | 1                          |                  |      |    |
| Open Hole of                 |                               | STEEL                      |                  |      |    |
| Depth From:<br>Depth To:     |                               | 30                         |                  |      |    |
| Casing Diam                  | eter:                         | 4                          |                  |      |    |
| Casing Diam                  | eter UOM:                     | inch                       |                  |      |    |
| Casing Dept                  | h UOM:                        | ft                         |                  |      |    |
| <b>Constructior</b>          | n Record - Casing             |                            |                  |      |    |
| Casing ID:                   |                               | 930052695                  |                  |      |    |
| Layer:                       |                               | 2                          |                  |      |    |
| Material:<br>Open Hole o     | r Material·                   | 4<br>OPEN HOLE             |                  |      |    |
| Depth From:                  |                               |                            |                  |      |    |
| Depth To:                    |                               | 100                        |                  |      |    |
| Casing Diam                  | eter:                         | 4                          |                  |      |    |
| Casing Diam<br>Casing Dept   | eter UOM:                     | inch<br>ft                 |                  |      |    |
| Jasing Depti                 |                               | n                          |                  |      |    |
| <u>Results of W</u>          | ell Yield Testing             |                            |                  |      |    |
| Pump Test IL                 |                               | 991507984                  |                  |      |    |
| Pumn Sat At                  |                               |                            |                  |      |    |

Pump Test ID: Pump Set At:

erisinfo.com | Environmental Risk Information Services

| Мар Кеу  | Number<br>Records       |                         | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                                      |                                      | DB  |
|--|-------------------------|-------------------------|----------------------------|------------------|---|--------------------------------------|-----|
| Static Level:<br>Final Level A<br>Recommende<br>Pumping Rate<br>Flowing Rate<br>Recommende | ed Pump De<br>te:<br>e: | ig:<br>epth:            | 25                         |                  |   |                                      |     |
| Levels UOM:  |                         | t                       | ít                         |                  |   |                                      |     |
| Rate UOM:<br>Water State A<br>Water State A  | After Test:             |                         | GPM                        |                  |   |                                      |     |
| Pumping Tes<br>Pumping Dur   |                         |                         |                            |                  |   |                                      |     |
| Pumping Du   |                         |                         | A.L.                       |                  |   |                                      |     |
| Flowing:   |                         |                         | No                         |                  |   |                                      |     |
| Water Details  | 8                       |                         |                            |                  |   |                                      |     |
| Water ID:  |                         |                         | 933462302                  |                  |   |                                      |     |
| Layer:<br>Kind Code:   |                         |                         | 1<br>1                     |                  |   |                                      |     |
| Kind:  |                         | l                       | FRESH                      |                  |   |                                      |     |
| Water Found<br>Water Found   |                         |                         | 95<br>ít                   |                  |   |                                      |     |
|  | 2000                    |                         |                            |                  |   |                                      |     |
| <u>14</u>  | 1 of 1                  |                         | ESE/170.6                  | 81.6 / 0.98      | 2841 Richmond Road<br>Ottawa ON K2B 6C5   |                                      | EHS |
| Order No:  |                         | 20080331                | 001                        |                  | Nearest Intersection:                     | Richmond and Pinecrest (major roads) |     |
| Status:<br>Report Type:  |                         | C<br>Complete           | Report                     |                  | Municipality:<br>Client Prov/State:       | ON                                   |     |
| Report Date:   |                         | 4/8/2008                |                            |                  | Search Radius (km):                       | 0.25                                 |     |
| Date Receive<br>Previous Site  |                         | 3/31/2008               |                            |                  | X:<br>Y:                                  | -75.795635<br>45.357088              |     |
| Lot/Building   |                         |                         |                            |                  | 1.  | -0.007000                            |     |
| Additional In  | fo Ordered:             | l                       | Fire Insur. Maps And       | d /or Site Plans |   |                                      |     |
|  |                         |                         |                            |                  |   |                                      |     |
| <u>15</u>  | 1 of 1                  |                         | E/182.3                    | 81.9 / 1.29      | 826 Pinecrest Road<br>Ottawa ON           |                                      | EHS |
| Order No:  |                         | 20130710                | 007                        |                  | Nearest Intersection:                     |                                      |     |
| Status:<br>Report Type:  |                         | C<br>Standard I         | Report                     |                  | Municipality:<br>Client Prov/State:       | ON                                   |     |
| Report Date:   |                         | 18-JUL-13               |                            |                  | Search Radius (km):                       | .25                                  |     |
| Date Receive   |                         | 10-JUL-13               |                            |                  | X:  | -75.795152                           |     |
| Previous Site<br>Lot/Building  |                         |                         |                            |                  | Y:  | 45.358383                            |     |
| Additional In  |                         |                         | Fire Insur. Maps and       | I/or Site Plans  |   |                                      |     |
|  | 1 of 1                  |                         | E/183.0                    | 81.9 / 1.29      | 822 Pinecrest Rd                          |                                      |     |
| <u></u>  |                         |                         |                            | <b>*</b>         | Ottawa ON K2B6A9                          | 4                                    | EHS |
| Order No:  |                         | 20130903                | 046                        |                  | Nearest Intersection:                     |                                      |     |
| Status:  |                         | C<br>Standard I         | Donort                     |                  | Municipality:                             | Ottawa                               |     |
| Report Type:<br>Report Date:   |                         | Standard I<br>12-SEP-13 |                            |                  | Client Prov/State:<br>Search Radius (km): | ON<br>.25                            |     |
| Date Receive   | ed:                     | 04-SEP-13               |                            |                  | X:  | -75.795207                           |     |
| Previous Site  |                         | 683 m2                  |                            |                  | Y:  | 45.358532                            |     |
| Lot/Building<br>Additional In  |                         |                         |                            |                  |   |                                      |     |
|  |                         |                         |                            |                  |   |                                      |     |

| Мар Кеу  | Number<br>Records        |   | ection/<br>stance (m) | Elev/Diff<br>(m) | Site  |                                 | D   |
|--|--------------------------|---|-----------------------|------------------|---|---------------------------------|-----|
| <u>17</u>  | 1 of 1                   | WSV   | V/202.7               | 71.1 / -9.47     | 2880 & 2900 Carling /<br>Ottawa ON  | Avenue                          | EHS |
| Order No:<br>Status:<br>Report Type:<br>Report Date:<br>Date Receive<br>Previous Site<br>Lot/Building<br>Additional In | ed:<br>e Name:<br>Size:  | 20070322013<br>C<br>CAN - Custom F<br>3/30/2007<br>3/22/2007<br>Fire In |                       | d /or Site Plans | Nearest Intersection:<br>Municipality:<br>Client Prov/State:<br>Search Radius (km):<br>X:<br>Y: | 0.25<br>-75.800204<br>45.357094 |     |
| <u>18</u>  | 1 of 1                   | ENE   | /204.7                | 81.6 / 1.04      |   |                                 | BOR |
|  |                          |   |                       |                  | ON  |                                 | DON |
| Borehole ID:<br>OGF ID:  |                          | 610918<br>215512428   |                       |                  | Inclin FLG:<br>SP Status:   | No<br>Initial Entry             |     |
| Status:<br>Type:<br>Use:   |                          | Borehole  |                       |                  | Surv Elev:<br>Piezometer:<br>Primary Name:  | No<br>No                        |     |
| Completion I<br>Static Water<br>Primary Wate   | Level:                   | 4.6   |                       |                  | Municipality:<br>Lot:<br>Township:  |                                 |     |
| Sec. Water U<br>Total Depth I  | se:                      | -999  |                       |                  | Latitude DD:<br>Longitude DD:   | 45.359023<br>-75.795175         |     |
| Depth Ref:<br>Depth Elev:<br>Drill Method:   |                          | Ground Surface  |                       |                  | UTM Zone:<br>Easting:<br>Northing:  | 18<br>437721<br>5023142         |     |
| Orig Ground<br>Elev Reliabil<br>DEM Ground   | Note:                    | 80.8<br>81.8  |                       |                  | Location Accuracy:<br>Accuracy:   | Not Applicable                  |     |
| Concession:<br>Location D:<br>Survey D:<br>Comments:   |                          |   |                       |                  |   |                                 |     |
| Borehole Ge  | ology Strati             | <u>ım</u>   |                       |                  |   |                                 |     |
| Geology Stra<br>Top Depth:   | ntum ID:                 | 218386933<br>0  |                       |                  | Mat Consistency:<br>Material Moisture:  |                                 |     |
| Bottom Dept<br>Material Colo   |                          | 10.4<br>Sand  |                       |                  | Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation:                                   |                                 |     |
| <i>Material 1:<br/>Material 2:<br/>Material 3:</i>   |                          | Sanu  |                       |                  | Geologic Formation:<br>Geologic Group:<br>Geologic Period:                                      |                                 |     |
| Material 4:  |                          |   |                       |                  | Depositional Gen:   |                                 |     |
| Gsc Material<br>Stratum Deso   |                          | SAND  |                       |                  |   |                                 |     |
| Geology Stra<br>Top Depth:   | tum ID:                  | 218386934<br>10.4   |                       |                  | Mat Consistency:<br>Material Moisture:  | Hard                            |     |
| Bottom Deptil.   | h:                       |   |                       |                  | Material Texture:   |                                 |     |
| Material Colo  | or:                      | Red   |                       |                  | Non Geo Mat Type:   |                                 |     |
| Material 1:<br>Material 2:   |                          | Bedrock<br>Limestone  |                       |                  | Geologic Formation:<br>Geologic Group:  |                                 |     |
| Material 3:<br>Material 4:   |                          |   |                       |                  | Geologic Period:<br>Depositional Gen:   |                                 |     |
| Gsc Material   | Descriptior<br>cription: |   | 001/11/200            |                  | TABLE AT 250.0 FEET.Y,HA  |                                 |     |

| Map Key                         | Number<br>Records |                 | Direction/<br>Distance (m)  | Elev/Diff<br>(m)   | Site  |                               | DE   |
|---------------------------------|-------------------|-----------------|---|--------------------|---|-------------------------------|------|
| Source                          |                   |                 |   |                    |   |                               |      |
| Source Type:                    |                   | Data Surve      | v   |                    | Source Appl:  | Spatial/Tabular               |      |
| Source Orig:                    |                   | Geological      | Survey of Canada  |                    | Source Iden:  | 1                             |      |
| Source Date:                    |                   | 1956-1972       |   |                    | Scale or Res:   | Varies                        |      |
| Confidence:                     |                   | Н               |   |                    | Horizontal:   | NAD27                         |      |
| Observatio:                     |                   |                 |   |                    | Verticalda:   | Mean Average Sea Level        |      |
| Source Name                     |                   |                 |   |                    | on System (UGAIS)   |                               |      |
| Source Detail<br>Confiden 1:    | s:                |                 |   |                    | 0 NTS_Sheet: 31G05C<br>complete description of materia              | al and properties.            |      |
| Source List                     |                   |                 |   |                    |   |                               |      |
| Source Identi                   | fior              | 1               |   |                    | Horizontal Datum:   | NAD27                         |      |
| Source Type:                    |                   | Data Surve      | V   |                    | Vertical Datum:   | Mean Average Sea Level        |      |
| Source Type.                    |                   | 1956-1972       | у   |                    | Projection Name:  | Universal Transverse Mercator |      |
| Scale or Reso                   | lution.           | Varies          |   |                    | riojection Name.  |                               |      |
| Source Name                     | :                 | L               |   |                    | on System (UGAIS)   |                               |      |
| Source Origin                   | ators:            |                 | Seological Survey   | of Canada          |   |                               |      |
| <u>19</u>                       | 1 of 1            |                 | WSW/206.7   | 74.4 / -6.19       | Ottawa Transit <unof<br>2900 Carling Avenue<br/>Ottawa ON</unof<br> | FICIAL>                       | SPL  |
|                                 |                   | E120 A000       |   |                    |   |                               |      |
| Ref No:                         |                   | 5120-AQQ        | SNG   |                    | Discharger Report:  |                               |      |
| Site No:                        |                   | NA<br>8/20/2017 |   |                    | Material Group:   | 2 - Minor Environment         |      |
| Incident Dt:<br>Year:           |                   | 8/30/2017       |   |                    | Health/Env Conseq:<br>Client Type:                                  |                               |      |
| ncident Caus                    |                   |                 |   |                    | Sector Type:  | Unknown / N/A                 |      |
| Incident Even                   |                   | Leak/Break      |   |                    | Agency Involved:  | OTINIOWIT/ N/A                |      |
| Contaminant                     |                   | 27              |   |                    | Nearest Watercourse:  |                               |      |
| Contaminant                     |                   | COOLANT         | N.O.S.  |                    | Site Address:   | 2900 Carling Avenue           |      |
| Contaminant                     |                   |                 |   |                    | Site District Office:   | Ottawa                        |      |
| Contam Limit                    |                   |                 |   |                    | Site Postal Code:   |                               |      |
| Contaminant                     |                   | n/a             |   |                    | Site Region:  | Eastern                       |      |
| Environment                     | Impact:           |                 |   |                    | Site Municipality:  | Ottawa                        |      |
| Nature of Imp                   | act:              |                 |   |                    | Site Lot:   |                               |      |
| Receiving Me                    | dium:             |                 |   |                    | Site Conc:  |                               |      |
| Receiving En                    | v:                | Land            |   |                    | Northing:   | 5022916.58                    |      |
| MOE Respons                     | se:               | No              |   |                    | Easting:  | 437299.8                      |      |
| Dt MOE Arvl o                   | on Scn:           |                 |   |                    | Site Geo Ref Accu:  |                               |      |
| MOE Reporte                     |                   | 8/30/2017       |   |                    | Site Map Datum:   |                               |      |
| Dt Document                     |                   |                 |   |                    | SAC Action Class:   | Land Spills                   |      |
| Incident Reas                   | ion:              | Equipment       |   |                    | Source Type:  | Other                         |      |
| Site Name:                      |                   | R               | load <unofficia< td=""><td>_&gt;</td><td></td><td></td><td></td></unofficia<> | _>                 |   |                               |      |
| Site County/D                   |                   |                 |   |                    |   |                               |      |
| Site Geo Ref I                  |                   | 0               |   |                    |   | _                             |      |
| Incident Sum                    |                   |                 |   | U L coolant to roa | d, some into CB, clnup ongno  | )                             |      |
| Contaminant                     | Qty:              | 2               | 0 L   |                    |   |                               |      |
| <u>20</u>                       | 1 of 1            |                 | NW/225.7  | 66.9/-13.71        | 04  |                               | wwis |
| M-11 1D                         |                   | 1500540         |   |                    | ON  |                               |      |
| Well ID:<br>Construction        | Data              | 1508548         |   |                    | Data Entry Status:  | 1                             |      |
| Construction                    |                   | Municipal       |   |                    | Data Src:   | 1<br>9/14/1954                |      |
| Primary Wate<br>Sec. Water Us   |                   | Municipal<br>0  |   |                    | Date Received:  | 9/14/1954<br>Yes              |      |
| Sec. water Us<br>Final Well Sta |                   | 0<br>Water Supp | alv   |                    | Selected Flag:<br>Abandonment Rec:                                  | 100                           |      |
| Water Type:                     |                   | water Supp      | лу  |                    | Contractor:   | 3114                          |      |
| Casing Materi                   | ial·              |                 |   |                    | Form Version:   | 1                             |      |
| Audit No:                       | ·u/.              |                 |   |                    | Owner:  | •                             |      |
| Tag:                            |                   |                 |   |                    | Street Name:  |                               |      |
| 3.                              |                   |                 |   |                    |   |                               |      |
|                                 |                   |                 |   |                    |   |                               |      |

| Map Key  | Number of<br>Records                                      | Direction/<br>Distance (m) | Elev/Diff<br>(m)   | Site  |                                     |
|--|---|----------------------------|--------------------|---|-------------------------------------|
| Construction<br>Elevation (m<br>Elevation Re<br>Depth to Bed<br>Well Depth:<br>Overburden/<br>Pump Rate:<br>Static Water<br>Flowing (Y/N<br>Flow Rate:<br>Clear/Cloudy | ):<br>Iliability:<br>drock:<br>/Bedrock:<br>Level:<br>I): |                            |                    | County:<br>Municipality:<br>Site Info:<br>Lot:<br>Concession:<br>Concession Name:<br>Easting NAD83:<br>Northing NAD83:<br>Zone:<br>UTM Reliability: | OTTAWA<br>OTTAWA CITY               |
| PDF URL (M   | ap):  | https://d2khazk8e83        | Brdv.cloudfront.ne | et/moe_mapping/downloads  | s/2Water/Wells_pdfs/150\1508548.pdf |

# Bore Hole Information

| DP2BR:2Spatial Status:Code OB:rCode OB Desc:BOpen Hole:Cluster Kind:   | Bedrock<br>/10/1954<br>urce:<br>thod:              | Elevation:<br>Elevrc:<br>Zone:<br>East83:<br>North83:<br>Org CS:<br>UTMRC:<br>UTMRC Desc:<br>Location Method: | 64.524368<br>18<br>437350.7<br>5023212<br>5<br>margin of error : 100 m - 300 m<br>p5 |
|--|--|---|--|
| Overburden and Bedrock<br>Materials Interval   |  |   |  |
| Formation ID:<br>Layer:<br>Color:<br>General Color:<br>Mat1:<br>Most Common Material:<br>Mat2:<br>Mat2 Desc:<br>Mat3:<br>Mat3 Desc:<br>Formation Top Depth:<br>Formation End Depth:<br>Formation End Depth UOM | 931009949<br>1<br>02<br>TOPSOIL<br>0<br>2<br>1: ft |   |  |
| <u>Overburden and Bedrock</u><br><u>Materials Interval</u>   |  |   |  |
| Formation ID:<br>Layer:<br>Color:<br>General Color:<br>Mat1:<br>Most Common Material:<br>Mat2:<br>Mat2 Desc:<br>Mat3:<br>Mat3 Desc:  | 931009950<br>2<br>15<br>LIMESTONE                  |   |  |
| Mats Desc:<br>Formation Top Depth:   | 2  |   |  |

| Мар Кеу  | Number of<br>Records         | Direction/<br>Distance (m)   | Elev/Diff<br>(m) | Site | DB |
|--|------------------------------|------------------------------|------------------|------|----|
| Formation End<br>Formation End                               |                              | 72<br>ft                     |                  |      |    |
| <u>Method of Cor</u><br><u>Use</u>                           | struction & Well             |                              |                  |      |    |
| Method Const<br>Method Const<br>Method Const<br>Other Method | ruction Code:<br>ruction:    | 961508548<br>1<br>Cable Tool |                  |      |    |
| <u>Pipe Informati</u>  | <u>on</u>                    |                              |                  |      |    |
| Pipe ID:<br>Casing No:<br>Comment:<br>Alt Name:              |                              | 10579152<br>1                |                  |      |    |
| Construction I   | Record - Casing              |                              |                  |      |    |
| Casing ID:<br>Layer:<br>Material:                            |                              | 930053807<br>2<br>4          |                  |      |    |
| Open Hole or I<br>Depth From:                                | Material:                    | OPEN HOLE                    |                  |      |    |
| Depth To:<br>Casing Diamer<br>Casing Diamer<br>Casing Depth  | ter UOM:                     | 72<br>4<br>inch<br>ft        |                  |      |    |
| Construction I   | Record - Casing              |                              |                  |      |    |
| Casing ID:   | -                            | 930053806                    |                  |      |    |
| Layer:<br>Material:<br>Open Hole or I                        | Material:                    | 1<br>1<br>STEEL              |                  |      |    |
| Depth From:<br>Depth To:<br>Casing Diamet<br>Casing Diamet   |                              | 22<br>4<br>inch              |                  |      |    |
| Casing Depth   |                              | ft                           |                  |      |    |
| Results of Wel   | ll Yield Testing             |                              |                  |      |    |
| Pump Test ID:<br>Pump Set At:                                |                              | 991508548                    |                  |      |    |
| Static Level:<br>Final Level Aft<br>Recommended              | er Pumping:<br>d Pump Depth: | 14                           |                  |      |    |
| Pumping Rate<br>Flowing Rate:<br>Recommended                 | :                            | 5                            |                  |      |    |
|  | ter Test Code:               | ft<br>GPM<br>1               |                  |      |    |
| Water State Af<br>Pumping Test<br>Pumping Dura               | Method:<br>tion HR:          | CLEAR<br>1<br>0              |                  |      |    |
| Pumping Dura<br>Flowing:                                     | tion MIN:                    | 30<br>No                     |                  |      |    |

| Map Key   | Number of<br>Records   | Direction/<br>Distance (m)               | Elev/Diff<br>(m) | Site  | D  |
|---|--|--|------------------|---|--|
| Water Details   | 5  |  |                  |   |  |
| Water ID:<br>Layer:<br>Kind Code:<br>Kind:<br>Water Found<br>Water Found  | Depth:<br>Depth UOM:   | 933463085<br>1<br>1<br>FRESH<br>70<br>ft |                  |   |  |
| <u>21</u>   | 1 of 1   | NW/225.7                                 | 66.9/-13.71      | ON  | BOR  |
| Borehole ID:<br>OGF ID:<br>Status:<br>Type:<br>Use:<br>Completion I<br>Static Water I<br>Primary Wate<br>Sec. Water U<br>Total Depth Ref:<br>Depth Ref:<br>Depth Elev:<br>Drill Method:<br>Orig Ground<br>Elev Reliabil<br>DEM Ground<br>Concession:<br>Location D:<br>Survey D:<br>Comments: | 21:<br>Bo<br>Date: JU<br>Level: -15<br>er Use:<br>r: 21:<br>Gru<br>Gru<br>Elev m: 64<br>Note: 64 | .9<br>ound Surface                       |                  | Inclin FLG:<br>SP Status:<br>Surv Elev:<br>Piezometer:<br>Primary Name:<br>Municipality:<br>Lot:<br>Township:<br>Latitude DD:<br>Longitude DD:<br>UTM Zone:<br>Easting:<br>Northing:<br>Location Accuracy:<br>Accuracy: | No<br>Initial Entry<br>No<br>No<br>45.35962<br>-75.799908<br>18<br>437351<br>5023212<br>Not Applicable |
| Borehole Geo<br>Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material<br>Stratum Desc   | 0<br>h: .6<br>or:<br>So<br>Description:  | 8386944<br>il<br>SOIL.                   |                  | 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:   |  |
| Geology Stra<br>Top Depth:<br>Bottom Depth<br>Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material   | ntum ID: 218<br>.6<br>h: 21.<br>pr: Re<br>Lin  | 8386945<br>9                             |                  | 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:   | Hard   |

# <u>Source</u>

Source Type: Source Orig: Source Date: Data Survey Geological Survey of Canada 1956-1972 Source Appl: Source Iden: Scale or Res: Spatial/Tabular 1 Varies

| · · · · · ·  | Number of<br>Records    | Direction/<br>Distance (m | Elev/Diff<br>) (m)                       | Site   |                                       | D  |
|--|-------------------------|---------------------------|--|--|---------------------------------------|----|
| Confidence:<br>Observatio:<br>Source Name:<br>Source Details:<br>Confiden 1: |                         |                           | Automated Informat<br>ixt RecordID: 0343 | Horizontal:<br>Verticalda:<br>ion System (UGAIS)<br>I NTS_Sheet: | NAD27<br>Mean Average Sea Level       |    |
| Source List  |                         |                           |  |  |                                       |    |
| Source Identifier  | r: 1                    |                           |  | Horizontal Datum:  | NAD27                                 |    |
| Source Type:   | Data S                  |                           |  | Vertical Datum:  | Mean Average Sea Level                |    |
| Source Date:<br>Scale or Resolut   | 1956-19<br>tion: Varies | 972                       |  | Projection Name:   | Universal Transverse Mercator         |    |
| Scale of Resolut   | <b>ION:</b> valles      | Urban Geology A           | utomated Informat                        | ion System (UGAIS)   |                                       |    |
| Source Originate   | ors:                    | Geological Surve          |  |  |                                       |    |
| <u>22</u> 1 0  | of 1                    | ESE/231.7                 | 81.9 / 1.29                              |  |                                       | ww |
|  |                         |                           |  | ON   |                                       |    |
| Well ID:   | 150864                  | 10                        |  | Data Entry Status:   |                                       |    |
| Construction Da  |                         |                           |  | Data Src:  | 1                                     |    |
| Primary Water U<br>Sec. Water Use:   |                         | tic                       |  | Date Received:<br>Selected Flag:                                 | 1/14/1958<br>Yes                      |    |
| Sec. Water Ose:<br>Final Well Status   |                         | Supply                    |  | Abandonment Rec:   | Tes                                   |    |
| Water Type:  |                         | e app.)                   |  | Contractor:  | 3566                                  |    |
| Casing Material:   |                         |                           |  | Form Version:  | 1                                     |    |
| Audit No:  |                         |                           |  | Owner:   |                                       |    |
| Tag:<br>Construction Me  | thod.                   |                           |  | Street Name:<br>County:  | ΟΤΤΑΨΑ                                |    |
| Elevation (m):   | anou.                   |                           |  | Municipality:  | OTTAWA CITY                           |    |
| Elevation Reliab   | ility:                  |                           |  | Site Info:   |                                       |    |
| Depth to Bedroc  | sk:                     |                           |  | Lot:   |                                       |    |
| Well Depth:<br>Overburden/Bed  | lrock:                  |                           |  | Concession:<br>Concession Name:                                  |                                       |    |
| Pump Rate:   | NOCK.                   |                           |  | Easting NAD83:   |                                       |    |
| Static Water Lev   | rel:                    |                           |  | Northing NAD83:  |                                       |    |
| Flowing (Y/N):   |                         |                           |  | Zone:  |                                       |    |
| Flow Rate:<br>Clear/Cloudy:  |                         |                           |  | UTM Reliability:   |                                       |    |
| PDF URL (Map):   |                         | https://d2khazk8          | e83rdv.cloudfront.n                      | et/moe_mapping/downloads   | s/2Water/Wells_pdfs/150\1508640.pdf   |    |
| Bore Hole Inforn   | nation                  |                           |  |  |                                       |    |
| Bore Hole ID:  | 100306                  | 574                       |  | Elevation:   | 85.899543                             |    |
| DP2BR:   | 60                      |                           |  | Elevrc:  | 40                                    |    |
| Spatial Status:<br>Code OB:  | r                       |                           |  | Zone:<br>East83:   | 18<br>437750.7                        |    |
| Code OB Desc:  | Bedroc                  | k                         |  | North83:   | 5022922                               |    |
| Open Hole:   |                         |                           |  | Org CS:  |                                       |    |
| Cluster Kind:  | 0.00.110                |                           |  | UTMRC:   | 5                                     |    |
| Date Completed:<br>Remarks:  | : 9/30/19               | 157                       |  | UTMRC Desc:<br>Location Method:                                  | margin of error : 100 m - 300 m<br>p5 |    |
| Elevrc Desc:   |                         |                           |  |  | P2                                    |    |
| Location Source  |                         |                           |  |  |                                       |    |
| Improvement Lo   |                         |                           |  |  |                                       |    |
| Improvement Lo<br>Source Revision  |                         |                           |  |  |                                       |    |
| Supplier Comme   |                         |                           |  |  |                                       |    |
| ••   |                         |                           |  |  |                                       |    |
| Overburden and   | Bedrock                 |                           |  |  |                                       |    |
| Materials Interva  |                         |                           |  |  |                                       |    |

| Мар Кеу                               | Number of<br>Records         | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site | DB |
|---------------------------------------|------------------------------|----------------------------|------------------|------|----|
| Formation ID                          | :                            | 931010209                  |                  |      |    |
| Layer:<br>Color:                      |                              | 1                          |                  |      |    |
| General Colo                          | r:                           |                            |                  |      |    |
| Mat1:                                 |                              | 09                         |                  |      |    |
| Most Commo                            | n Material:                  | MEDIUM SAND                |                  |      |    |
| Mat2:<br>Mat2 Desc:                   |                              |                            |                  |      |    |
| Mat2 Desc.<br>Mat3:                   |                              |                            |                  |      |    |
| Mat3 Desc:                            |                              |                            |                  |      |    |
| Formation To                          | p Depth:                     | 0                          |                  |      |    |
| Formation En                          | nd Depth:<br>nd Depth UOM:   | 60<br>ft                   |                  |      |    |
| FORMALION EN                          | а Берин ООм.                 | π                          |                  |      |    |
| <u>Overburden a</u><br>Materials Inte |                              |                            |                  |      |    |
| Formation ID                          | :                            | 931010210                  |                  |      |    |
| Layer:                                |                              | 2                          |                  |      |    |
| Color:<br>General Colo                | r-                           |                            |                  |      |    |
| Mat1:                                 |                              | 15                         |                  |      |    |
| Most Commo                            | n Material:                  | LIMESTONE                  |                  |      |    |
| Mat2:                                 |                              |                            |                  |      |    |
| Mat2 Desc:<br>Mat3:                   |                              |                            |                  |      |    |
| Mat3 Desc:                            |                              |                            |                  |      |    |
| Formation To                          | p Depth:                     | 60                         |                  |      |    |
| Formation En                          | d Depth:                     | 198                        |                  |      |    |
| Formation En                          | d Depth UOM:                 | ft                         |                  |      |    |
| <u>Method of Co</u><br><u>Use</u>     | nstruction & Well            |                            |                  |      |    |
| Method Cons                           | truction ID:                 | 961508640                  |                  |      |    |
|                                       | truction Code:               | 1                          |                  |      |    |
| Method Cons<br>Other Method           | truction:<br>I Construction: | Cable Tool                 |                  |      |    |
| Pipe Informat                         | tion                         |                            |                  |      |    |
| Pipe ID:                              |                              | 10579244                   |                  |      |    |
| Casing No:                            |                              | 1                          |                  |      |    |
| Comment:                              |                              |                            |                  |      |    |
| Alt Name:                             |                              |                            |                  |      |    |
| <u>Construction</u>                   | Record - Casing              |                            |                  |      |    |
| Casing ID:                            |                              | 930053979                  |                  |      |    |
| Layer:                                |                              | 2                          |                  |      |    |
| Material:<br>Open Hole or             | Matorial                     | 4<br>OPEN HOLE             |                  |      |    |
| Depth From:                           | material.                    |                            |                  |      |    |
| Depth To:                             |                              | 198                        |                  |      |    |
| Casing Diame                          |                              | 5<br>                      |                  |      |    |
| Casing Diame<br>Casing Depth          |                              | inch<br>ft                 |                  |      |    |
| <b>Construction</b>                   | <u>Record - Casing</u>       |                            |                  |      |    |
| Cosina ID.                            |                              | 930053978                  |                  |      |    |
| Casing ID:<br>Layer:                  |                              | 930053978                  |                  |      |    |
|                                       |                              |                            |                  |      |    |

| Мар Кеу                        | Numbe<br>Record |         | Direction/<br>Distance (m)     | Elev/Diff<br>(m)   | Site   |                                     | DB  |
|--------------------------------|-----------------|---------|--------------------------------|--|--|-------------------------------------|-----|
| Material:                      |                 |         | 1                              |  |  |                                     |     |
| Open Hole o                    |                 |         | STEEL                          |  |  |                                     |     |
| Depth From:                    |                 |         | 00                             |  |  |                                     |     |
| Depth To:                      |                 |         | 60<br>5                        |  |  |                                     |     |
| Casing Diam                    |                 |         | 5<br>inch                      |  |  |                                     |     |
| Casing Diam<br>Casing Dept     |                 |         | ft                             |  |  |                                     |     |
| Results of W                   | ell Yield Te    | esting  |                                |  |  |                                     |     |
| Pump Test IL                   | D:              |         | 991508640                      |  |  |                                     |     |
| Pump Set At                    | :               |         |                                |  |  |                                     |     |
| Static Level:                  |                 |         | 70                             |  |  |                                     |     |
| Final Level A                  | fter Pumpi      | ng:     | 100                            |  |  |                                     |     |
| Recommend                      | ed Pump D       | epth:   |                                |  |  |                                     |     |
| Pumping Rat                    |                 |         | 5                              |  |  |                                     |     |
| Flowing Rate                   |                 |         |                                |  |  |                                     |     |
| Recommend                      |                 | ate:    |                                |  |  |                                     |     |
| Levels UOM:                    |                 |         | ft                             |  |  |                                     |     |
| Rate UOM:                      | After Teet      | De de l | GPM                            |  |  |                                     |     |
| Nater State /<br>Nater State / |                 | Joae:   | 1<br>CLEAR                     |  |  |                                     |     |
| Pumping Tes                    |                 |         | 1                              |  |  |                                     |     |
| Pumping Du                     |                 |         | 1                              |  |  |                                     |     |
| Pumping Du                     |                 |         | 0                              |  |  |                                     |     |
| Flowing:                       |                 |         | No                             |  |  |                                     |     |
| Water Details                  | S               |         |                                |  |  |                                     |     |
| Water ID:                      |                 |         | 933463250                      |  |  |                                     |     |
| Layer:                         |                 |         | 955465250                      |  |  |                                     |     |
| Layer.<br>Kind Code:           |                 |         | 1                              |  |  |                                     |     |
| Kind:                          |                 |         | FRESH                          |  |  |                                     |     |
| Water Found                    | l Depth:        |         | 198                            |  |  |                                     |     |
| Water Found                    | •               | М:      | ft                             |  |  |                                     |     |
| <u>23</u>                      | 1 of 1          |         | WSW/239.8                      | 69.8 / -10.77  | City of Ottawa<br>Carling Street / Ritchi<br>Ottawa ON | ie Street <unofficial></unofficial> | SPL |
| Ref No:                        |                 | 6554-6  | EQLU3                          |  | Discharger Report:                                     | 0                                   |     |
| Site No:                       |                 |         |                                |  | Material Group:  | Öil                                 |     |
| Incident Dt:                   |                 | 7/28/20 | 005                            |  | Health/Env Conseq:                                     |                                     |     |
| Year:                          |                 |         |                                |  | Client Type:   |                                     |     |
| Incident Cau                   | se:             | Pipe O  | r Hose Leak                    |  | Sector Type:   | Other Motor Vehicle                 |     |
| Incident Eve                   | nt:             |         |                                |  | Agency Involved:                                       |                                     |     |
| Contaminant                    | t Code:         |         |                                |  | Nearest Watercourse:                                   |                                     |     |
| Contaminant                    |                 | DIESE   | L FUEL                         |  | Site Address:  |                                     |     |
| Contaminant                    |                 |         |                                |  | Site District Office:                                  | Ottawa                              |     |
| Contam Limi                    |                 |         |                                |  | Site Postal Code:                                      |                                     |     |
| Contaminant                    |                 | NI-1 A  | 1                              |  | Site Region:   | 0#200                               |     |
| Environment                    |                 |         | ticipated<br>e Water Pollution |  | Site Municipality:                                     | Ottawa                              |     |
| Nature of Imp<br>Receiving M   |                 | Water   | e vvaler Pollution             |  | Site Lot:<br>Site Conc:                                |                                     |     |
| Receiving Me<br>Receiving Er   |                 | water   |                                |  |  |                                     |     |
| Receiving Er<br>MOE Respor     |                 |         |                                |  | Northing:<br>Easting:                                  |                                     |     |
| Dt MOE Respon                  |                 |         |                                |  | Site Geo Ref Accu:                                     |                                     |     |
| MOE Reporte                    |                 | 7/28/20 | 005                            |  | Site Geo Rei Accu:<br>Site Map Datum:                  |                                     |     |
| Dt Documen                     |                 | 1/20/20 |                                |  | SAC Action Class:                                      | Spills to Watercourses              |     |
| Incident Rea                   |                 |         |                                |  | Source Type:   |                                     |     |
| Site Name:                     |                 |         | Carling Street / Rite          | chie Street <unof< td=""><td></td><td></td><td></td></unof<> |  |                                     |     |
| Site Countv/                   | District:       |         |                                |  |  |                                     |     |

Incident Reason: Site Name: Site County/District: Site Geo Ref Meth:

| Map Key Numbe<br>Record   |  | Elev/Diff<br>n) (m) | Site   |   | D   |
|---|--|---------------------|--|---|-----|
| Incident Summary:<br>Contaminant Qty:   | OC Transpo, <1   | -L diesel to sewer  |  |   |     |
| 24 1 of 1   | S/242.1  | 79.6 / -1.02        | HOMESTEAD LAND<br>2881 RICHMOND RD<br>OTTAWA ON K2B7Z  |   | GEN |
| Generator No:<br>Status:<br>Approval Years:<br>Contam. Facility:<br>MHSW Facility:<br>SIC Code:<br>SIC Description:   | ON4492950<br>Registered<br>As of Dec 2018  |                     | PO Box No:<br>Country:<br>Choice of Contact:<br>Co Admin:<br>Phone No Admin:   | Canada  |     |
| <u>Detail(s)</u>  |  |                     |  |   |     |
| Waste Class:<br>Waste Class Desc:   | 212 L<br>Aliphatic solvent   | s and residues      |  |   |     |
| 25 1 of 1   | ENE/244.6  | 81.9 / 1.29         | ON   |   | BOR |
| Borehole ID:<br>OGF ID:<br>Status:<br>Type:<br>Use:<br>Completion Date:<br>Static Water Level:<br>Primary Water Use:<br>Sec. Water Use:<br>Total Depth m:<br>Depth Ref:<br>Depth Elev:<br>Drill Method:<br>Orig Ground Elev m:<br>Elev Reliabil Note:<br>DEM Ground Elev m:<br>Concession:<br>Location D:<br>Survey D:<br>Comments: | 610916<br>215512426<br>Borehole<br>OCT-1965<br>7.7<br>Ground Surface<br>91.4<br>82.9 |                     | Inclin FLG:<br>SP Status:<br>Surv Elev:<br>Piezometer:<br>Primary Name:<br>Municipality:<br>Lot:<br>Township:<br>Latitude DD:<br>Longitude DD:<br>UTM Zone:<br>Easting:<br>Northing:<br>Location Accuracy:<br>Accuracy:  | No<br>Initial Entry<br>No<br>No<br>45.358848<br>-75.794535<br>18<br>437771<br>5023122<br>Not Applicable |     |
| 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 Descriptio<br>Stratum Description:<br>Geology Stratum ID:<br>Top Depth:<br>Bottom Depth:<br>Material Color:   | 218386925<br>1.5<br>2.3<br>Red<br>Clay<br>Silt<br>Sand                               | ID. HARD,STIFF,FIS  | 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:<br>SURED.<br>Mat Consistency:<br>Material Moisture:<br>Material Texture:<br>Non Geo Mat Type:<br>Geologic Formation: | Hard  |     |

| Material 3:         SIN         Geologic Period:<br>Depositional Gen:           Gas Material Description:         UNSPECIFIED.TILL.SILT.           Geology Stratum ID:         1338923         Material Moisture:<br>For Dophin:         For Site Site Site Site Site Site Site Site   | Мар Кеу       | Number<br>Records |           | Direction/<br>Distance (m) | Elev/Diff<br>(m) | Site                | D  |
|--|---------------|-------------------|-----------|----------------------------|------------------|---------------------|--|
| Material 4:Depositional Gen:Stratum Description:UNSPECIFIED,TILL, SILT.Geology Stratum ID:218386929Mat Consistency:Geology Stratum ID:218386929Material Moisture:Material IC:BadrockGeologic Group:Material IC:BadrockGeologic Group:Material IC:BadrockGeologic Group:Material IC:BadrockGeologic Group:Material IC:BadrockGeologic Group:Material IC:BadrockGeologic Group:Material IC:BadrockGeologic Group:Stratum Description:BEDROCK.Geologic Group:Geology Stratum ID:21835934Material Moisture:Top Depth:1.5Material Moisture:Material IC:Claxy Stratum IC:1385947Material IC:Geologic Group:Material IC:Claxy Stratum IC:1385947Material IC:Geologic Group:Material IC:Claxy Stratum IC:1385947Material IC:Claxy Stratum ID:1385947Material IC:Claxy Stratum ID:1385947Material IC:Claxy Stratum ID:1385947Material IC:Claxy Stratum ID:1983947Material IC:Claxy Stratum ID:1983947   | Material 2:   |                   | Till      |                            |                  | Geologic Group:     |  |
| Sac Material Description: UNSPECIFIED.TILL, SUT. " Seology Stratum De 218336929 Mat Consistency:  4.7 Material Texture:  4.7 Material Tex   | Material 3:   |                   | Silt      |                            |                  | Geologic Period:    |  |
| Stratum Description:     UNSPECIFIED.TILL, SILT.       Geology Stratum ID:     218396929     Material Moisture:       For Depth:     4.2     Material Moisture:       Bottom Depth:     6.2     Material Coture:       Material Cite     Geologic Formation:       Material 1:     Bedrock     Geologic Formation:       Material 2:     Geologic Formation:     Geologic Formation:       Sor Material Description:     BEDROCK.     Hard       Geologic Stratum ID:     218396924     Material Moisture:       Sor Material Description:     BEDROCK.     Hard       Geologic Stratum ID:     218396924     Material Moisture:       Material 1:     City     Geologic Formation:       Material 2:     Sin     Material Moisture:       Material 1:     City     Geologic Formation:       Sort Material Description:     Clary, SiLT, SAND. BROWN, GREY, HARD.     Dense       Geologic Stratum ID:     218396927     Material Moisture:     Dense       Sort Material Description:     Clary, SiLT, SAND. BROWN, GREY, HARD.     Dense       Geologic Stratum ID:     218396927     Material Moisture:     Dense       Sort Material Description:     Clary, SiLT, SAND. BROWN, GREY, HARD.     Dense       Geologic Stratum ID:     218396923     Material Moisture:     Dense   | Material 4:   |                   |           |                            |                  | Depositional Gen:   |  |
| Goology Stratum ID:     2193366929     Material Moisture:<br>Material Color:<br>Material Color:<br>Material Color:<br>Material Color:<br>Material 2:<br>Geologic Group:<br>Geologic Group:<br>Geologic Group:<br>Geologic Group:<br>Betrature:<br>Set Material 4:<br>Depositional Gen:<br>Set Material 4:<br>Geologic Group:<br>Betrature:<br>Betrature:<br>Top Depth:     Betrature:<br>Non Geo Mat Type:<br>Geologic Group:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Stratum Description:     Hard       1     15     Material Moisture:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature:<br>Betrature: | Gsc Material  | Description       | n:        |                            |                  | -                   |  |
| Top Depth:     4.7     Material Moisture:       Material Color:     Material Texture:       Material Color:     Geologic Formation:       Material 1:     Bedrock     Geologic Formation:       Material 2:     Geologic Formation:       Material 3:     Depositional Gen:       Sc Material 4:     Depositional Gen:       Sc Material 5:     BEDROCK.       Geologic Formation:     135       Statum Description:     8       Solton Depth:     1.5       Material 7:     Clay       Geologic Formation:     Material Network:       Material 1:     Clay       Geology Stratum ID:     218386927       Material 3:     Sand       Geologic Formation:     Geologic Formation:       Material 4:     Depositional Gen:       Geology Stratum ID:     218386927       Material 3:     Clay.SILT.SAND. BROWN.GREY.HARD.       Geology Stratum ID:     21836927       Material 4:     Depositional Gen:       Geology Group:     Material Moisture:       Material 1:     Geology Group:       Material 1:     Geology Gro   | Stratum Desc  | cription:         |           | UNSPECIFIED, TILL          | ., SILT.         |                     |  |
| Top Depth:     4.7     Material Moisture:       Material Color:     Material Texture:       Material Color:     Geologic Formation:       Material 1:     Bedrock     Geologic Formation:       Material 2:     Geologic Formation:       Material 3:     Depositional Gen:       Sc Material 4:     Depositional Gen:       Sc Material 5:     BEDROCK.       Geologic Formation:     135       Statum Description:     8       Solton Depth:     1.5       Material 7:     Clay       Geologic Formation:     Material Network:       Material 1:     Clay       Geology Stratum ID:     218386927       Material 3:     Sand       Geologic Formation:     Geologic Formation:       Material 4:     Depositional Gen:       Geology Stratum ID:     218386927       Material 3:     Clay.SILT.SAND. BROWN.GREY.HARD.       Geology Stratum ID:     21836927       Material 4:     Depositional Gen:       Geology Group:     Material Moisture:       Material 1:     Geology Group:       Material 1:     Geology Gro   | Geology Stra  | tum ID:           | 21838692  | 29                         |                  | Mat Consistency:    |  |
| Material Color:<br>Material Color:<br>Material 2:<br>Material 3:<br>So Material 3:<br>BedrockNon Geo Mat Type:<br>Geologic Formation:<br>Geologic Formation:<br>Depositional Gen:<br>So Material 4:<br>Depositional Gen:<br>So Material 10<br>So Material 10<br>So Material 10<br>Description:<br>Stratum Description:<br>Stratum Descript   | Top Depth:    |                   | 4.7       |                            |                  | Material Moisture:  |  |
| Material 1:BedrockGeologic Formation:Material 3:Geologic Group:Gas Material 4:Depositional Gen:Gas Material 4:Depositional Gen:Gas Material 7:BEDROCK.Gas Material A:Material Moisture:Gas Material Color:BrownMaterial Color:BrownMaterial Color:BrownMaterial 1:ClayGas Material 1:ClayGas Material 1:ClayGas Material 1:ClayGas Material 1:ClayGas Material 1:ClayGas Material 2:ClayGas Material 2:ClayGas Material 3:ClayGas Material 3:ClayGas Material 3:ClayGas Material 4:Depositional Gen:Stratum Description:CLAY, SILT, SAND. BROWN, GREY, HARD.Stratum Description:ClayGas Material 1:UnknownGas Material 1:UnsnownGas Material 1:Gas Material Moisture:  | Bottom Deptl  | h:                | 6.2       |                            |                  | Material Texture:   |  |
| Material 2:Geologic Group:<br>Material 4:Geologic Period:<br>Depositional Gen:<br>Geologic Period:Sce Material 10escription:EEDROCK.Geology Stratum 10:218386924Material Moisture:<br>Material Moisture:Sch Material Description:EEDROCK.Battom Depth:1.5Material Moisture:<br>Geologic Formation:<br>Material 11:ClayGeologic Formation:<br>Geologic Formation:<br>Material 2:HardMaterial 2:SintGeologic Formation:<br>Depth:Sch Material 2:SintGeologic Formation:<br>Depth:Sch Material 2:SintGeologic Formation:<br>Depth:Sch Material 2:SandGeologic Formation:<br>Depth:Sch Material 2:SintDepshitional Gen:<br>Depth:Sch Material 2:SandMaterial Period:<br>Material 2:Sch Material 2:218386927Material Period:<br>Material 2:Sch Material 2:ClayGeologic Formation:<br>Material 2:Geology Stratum 10:218386927Material 7:<br>Material 2:Geology Stratum 10:218386923Material Moisture:<br>Depsh:<br>Material 1:Geology Stratum 10:218386923Material Moisture:<br>Depsh:<br>Material 1:Geology Stratum 10:218386923Material Moisture:<br>Depsh:<br>Material 1:Geology Stratum 10:218386923Material Moisture:<br>Depsh:<br>Material 1:Geology Stratum 10:218386923Material Moisture:<br>Material 1:Geology Stratum 10:218386923Material Moisture:<br>Material 1:Geologic Formation:<br>Material 2: <t< td=""><td>Material Colo</td><td>or:</td><td></td><td></td><td></td><td>Non Geo Mat Type:</td><td></td></t<>  | Material Colo | or:               |           |                            |                  | Non Geo Mat Type:   |  |
| Material 3:     Geologic Period:<br>Depositional Gen:       Got Material Description:     BEDROCK.       Geology Stratum D:     218389924       Material A:     Material Moisture:       Bottom Depth:     1.5       Material Color:     Brown       Geologic Formation:     Geologic Formation:       Material 3:     Sand     Geologic Formation:       Material 1:     Clay     Geologic Formation:       Material 1:     Clay.     Geologic Formation:       Material 1:     Depositional Gen:     Geologic Formation:       Sof Material Description:     CLAY.SILT.SAND. BROWN.GREY.HARD.     Dense       Geology Stratum D:     21838927     Material Moisture:       Material 1     Unknown     Geologic Formation:       Material 1:     Unknown     Geologic Formation:       Material 1:     Unknown     Geologic Formation:       Statum Description:     UNSPECIFIED.TILL, CLAY. DENSE:     Geologic Formation:       Statum Description:     Visod Fragments     Geologic Formation:       Statum Description:     ArtificIAL_COAL, CINDERS, WOOD     Geologic Formation:       Statum Description:  | Material 1:   |                   | Bedrock   |                            |                  | Geologic Formation: |  |
| Material 4:  | Material 2:   |                   |           |                            |                  | Geologic Group:     |  |
| Gac Material Description:       BEDROCK.         Geology: Stratum D:       218348924       Material Moisture:         Top Depth:       3       Material Moisture:         Bottom Depth:       1.5       Material Texture:         Material Color:       Brown       Non Geo Mat Type:         Material Color:       Brown       Geologic Formation:         Material 2:       Sint       Geologic Period:         Material 1:       Clay       Geologic Period:         Material 2:       Sint       Geologic Period:         Soft Material Description:       CLAY,SILT,SAND. BROWN,GREY,HARD.       Dense         Geology: Stratum DP:       218386927       Material Moisture:         Material 1:       Unknown       Geologic Formation:         Material 2:       Till       Geologic Formation:         Material 1:       Unknown       Geologic Formation:         Material 2:       Till       Geologic Formation:         Material 1:       Unknown       Geologic Formation:         Material 2:       Till       Geologic Formation:         Stratum Description::       UNSPECIFIED,TILL, CLAY, DENSE:       Geologic Formation:         Goology Stratum D:       218306923       Material Moisture:         Geologic F   | Material 3:   |                   |           |                            |                  | Geologic Period:    |  |
| Stratum Description:     BEDROCK.       Geology Stratum ID:     218386924     Material Moisture:       Bottom Depth:     1.5     Material Moisture:       Bottom Depth:     1.5     Material Moisture:       Bottom Depth:     1.5     Material Moisture:       Material Color:     Trown     Non Geo Mat Type:       Material 2:     Sint     Geologic Formation:       Material 3:     Sand     Geologic Formation:       Material 3:     Sand     Geologic Formation:       Stratum Description:     CLAY,SILT,SAND. BROWN,GREY,HARD.     Dense       Geologic Stratum ID:     218386927     Material Moisture:       Stratum Description:     CLAY,SILT,SAND. BROWN,GREY,HARD.     Dense       Geologic Stratum ID:     218386923     Material Texture:       Material 1     Unknown     Geologic Formation:       Material 2:     Till     Geologic Formation:       Stratum Description:     UNSPECIFIED,TILL, CLAY. DENSE.     Geologic Formation:       Stratum Description:     UNSPECIFIED,TILL, CLAY. DENSE.     Material Moisture:       Geologic Stratum ID:     218386923     Material Moisture:       Geologic Formation:     Geologic Formation:       Material 1     Geologic Formation:       Material 1     Geologic Formation:       Material 1  | Material 4:   |                   |           |                            |                  | Depositional Gen:   |  |
| Geology Stratum ID: 218386924 Mat Consistency: Hard<br>Top Depth: 1.5 Material Moisture:<br>Material Color: Brown Non Geo Mat Type:<br>Material I2: Cisy Geologic Formation:<br>Material 2: Sitt Geologic Group:<br>Material 3: Sand Geologic Group:<br>Material 4: Description:<br>Stratum Description:<br>CLAY, SILT, SAND. BROWN, GREY, HARD.<br>Geology Stratum ID: 218386927 Mat Consistency: Dense<br>Top Depth: 4.6 Material Moisture:<br>Material 3: Clay Material Moisture:<br>Material 3: Clay Geologic Group:<br>Material 4: Description:<br>UNSPECIFIED, TILL, CLAY. DENSE.<br>Geology Stratum ID: 218386923 Mat Consistency: Dense<br>Geology Stratum ID: 218386923 Mat Consistency: Dense<br>Top Depth: 4.6 Material Moisture:<br>Geologic Formation:<br>Material 3: Clay Geologic Formation:<br>Material 4: Description:<br>UNSPECIFIED, TILL, CLAY. DENSE.<br>Geologic Formation:<br>Geologic Formation:<br>Material 1: UNSPECIFIED, TILL, CLAY. DENSE.<br>Geologic Formation:<br>Material 1: Geologic Formation:<br>Material 1: Geologic Formation:<br>Material 2: Coal fragments Geologic Formation:<br>Material 1: Geologic Formation:<br>Material 1: Geologic Formation:<br>Material 2: Coal fragments Geologic Formation:<br>Material 1: Geologic Formation:<br>Material 2: Coal fragments Geologic Formation:<br>Material 2: Geologic Formation:   | Gsc Material  | Description       | n:        |                            |                  |                     |  |
| Top Depth:       1.5       Material Moisture:         Material I Color:       Brown       Non Geo Mat Type:         Material I Color:       Brown       Non Geo Mat Type:         Material I Color:       Brown       Geologic Gromp:         Material I S:       Sand       Geologic Group:         Material I S:       Sand       Geologic Group:         Material I S:       Sand       Geologic Period:         Material I Description:       CLAY,SILT,SAND. BROWN,GREY,HARD.       Dense         Geology Stratum ID:       218386927       Material Material Moisture:         Top Dopth:       4.6       Material Toxture:         Material I S:       Unknown       Geologic Formation:         Material I S:       Unknown       Geologic Group:         Material I S:       Unknown       Geologic Group:         Material I S:       Clay       Geologic Group:         Material I S:       UNSPECIFIED,TILL, CLAY. DENSE:       Geologic Period:         Statum Description:       UNSPECIFIED,TILL, CLAY. DENSE:       Geologic Formation:         Material I Description:       J       Material Toxture:         Statum Description:       UNSPECIFIED,TILL, CLAY. DENSE:       Geologic Formation:         Material I Description:       Sta   | Stratum Desc  | cription:         |           | BEDROCK.                   |                  |                     |  |
| Boirom Depth: 1.5 Material Texture:<br>Material Cio:<br>Brown Non Geo Mat Type:<br>Material 1: Clay Geologic Formation:<br>Material 2: Sitt Geologic Croup:<br>Material 3: Sand Geologic Croup:<br>Material 4: Depositional Gen:<br>Saratum Description:<br>Geology Stratum ID: 218386927 Material Moisture:<br>Bottom Depth: 3.8 Material Moisture:<br>Bottom Depth: 4.6 Material Moisture:<br>Material 1: Unknown Geologic Formation:<br>Material 3: Clay Geologic Formation:<br>Material 3: Clay Geologic Formation:<br>Material 7: Unknown Geologic Formation:<br>Material 7: Unknown Geologic Formation:<br>Material 3: Clay Geologic Formation:<br>Material 3: Clay Geologic Formation:<br>Material 1: Unknown Geologic Formation:<br>Material 3: Clay Geologic Formation:<br>Material 3: Clay Geologic Formation:<br>Material 1: UNSPECIFIED, TILL, CLAY. DENSE<br>Geology Stratum ID: 218386923 Material Moisture:<br>Geology Stratum ID: 218386923 Material Moisture:<br>Material 4: Non Geo Mat Type:<br>Material 2: Coal fragments Geologic Croup:<br>Material 2: Coal fragments Geologic Croup:<br>Material 4: Wood Fragments Geologic Croup:<br>Material 1: ATIFICIAL,COAL, CINDERS,WOOD:<br>Geology Stratum ID: 218386930 Material Moisture:<br>Geologic Group:<br>Material 4: Geologic Group:<br>Material 4: Geologic Group:<br>Material 1: Bedrock Geologic Group:<br>Material 1: Bedrock Geologic Group:<br>Material 1: Geologic Group:<br>Material 1: BEDROCK. 000000000000000000000000000000000000  | Geology Stra  | tum ID:           | 21838692  | 24                         |                  | Mat Consistency:    | Hard   |
| Material Color:     Brown     Non Geo Mat Type:       Material 1:     Clay     Geologic Group:       Material 2:     Silt     Geologic Group:       Material 3:     Sand     Geologic Group:       Material 4:     Depositional Gen:     Geologic Group:       Gac Material Description:     CLAY,SILT,SAND. BROWN,GREY,HARD.     Dense       Geology Stratum ID:     218386927     Mat Consistency:     Dense       Gat Construction:     Adversial Moisture:     Dense       Gat Construction:     Non Geo Mat Type:     Material Total Moisture:       Material Color:     Non Geo Mat Type:     Material Color:       Material Color:     Non Geo Mat Type:     Material Moisture:       Material Description:     Clay     Geologic Group:       Material Description:     UNNSPECIFIED,TILL, CLAY. DENSE:     Depositional Gen:       Gac Material Description:     UNSPECIFIED,TILL, CLAY. DENSE:     Material Toture:       Gatorial Description:     0     Material Toture:       Stratum Description:     218386923     Material Toture:       Material Color:     Non Geo Mat Type:       Material Color:     Non Geo Mat Type:       Material Color:     Non Geologic Group:       Material Color:     Non Geologic Group:       Material Color:     Non Geologic Group: <td>Top Depth:</td> <td></td> <td>.8</td> <td></td> <td></td> <td></td> <td></td>   | Top Depth:    |                   | .8        |                            |                  |                     |  |
| Material 1:ClayGeologic Formátion:<br>material 2:Material 2:SandGeologic Ceroup:<br>decologic Ceroup:<br>Depositional Gen:Material 3:SandGeologic Ceroup:<br>Depositional Gen:Scr Material Description:CLAY,SILT,SAND. BROWN,GREY,HARD.Geology Stratum ID:218386927Mat Consistency:<br>Material Misture:<br>Bottom Depth:Geology Stratum ID:218386927Mat Consistency:<br>Material Texture:<br>Material Texture:<br>Material Texture:<br>Material 1:DenseMaterial ColorMaterial Misture:<br>Geologic Formation:<br>Material 1:DenseMaterial 1:UnknownGeologic Formation:<br>Geologic Foriod:<br>Depstinal Bescription:<br>Scr Material 2:DenseStratum Description:ClayGeologic Foriod:<br>Depstinal Gen:<br>Geologic Foriod:Stratum Description:UNSPECIFIED,TILL, CLAY. DENSE:Geology Stratum ID:218386923Material Misture:<br>Geologic Formation:Material 1:Geologic Foriod:<br>Material 1:Geologic Foriod:Material Misture:<br>Geologic Formation:Material 1:Geologic Formation:Material 1: <t< td=""><td>Bottom Deptl</td><td>h:</td><td>1.5</td><td></td><td></td><td>Material Texture:</td><td></td></t<>  | Bottom Deptl  | h:                | 1.5       |                            |                  | Material Texture:   |  |
| Material 2:     Sin <sup>1</sup> Geológic Group:<br>Depositional Gen:       Gasc Material A:     Depositional Gen:       Gasc Material Description:     CLAY,SILT,SAND. BROWN,GREY,HARD.       Geology Stratum ID:     218386927     Mat Consistency:     Dense       Geology Stratum ID:     218386927     Mat Consistency:     Dense       Geology Stratum ID:     218386927     Mat Consistency:     Dense       Geology Stratum ID:     218386927     Material Texture:       Material Z:     Till     Geologic Group:       Material A:     Geologic Group:       Geology Stratum ID:     218386923     Mat Consistency:       Geology Stratum ID:     218386923     Mat Consistency:       Geologic Group:     One Geologic Group:       Material 2:     Coal fragments     Geologic Group:       Geology Stratum ID:     218386923     Mat Consistency:       Top Depth:     .3     Material Moisture:       Geologic Formation:     Material Moisture:       Material 2:     Coal fragments     Geologic Group:       Material 1:     Wood Fragments     Depositional Gen:       Geologic Stratum ID:     218386930     Mat Consistency:       Material 1:     Geologic Group:     Geologic Group:       Stratum Description:     ARTIFICIAL,COAL, CINDERS,WOOD     Geologic G   |               |                   | Brown     |                            |                  | Non Geo Mat Type:   |  |
| Material 3:     Sand     Geológic Period:<br>Depositional Gen:       Sac Material Description:     CLAY,SILT,SAND. BROWN,GREY,HARD.     Dense       Geology Stratum ID:     218386927     Material Moisture:<br>Bottom Depth:     3.8     Dense       Geology Stratum ID:     218386927     Material Moisture:<br>Bottom Depth:     Dense       Material Concount     Material Texture:<br>Material 1:     Unknown     Geologic Formation:<br>Material 3:     Dense       Material 1:     Unknown     Geologic Formation:<br>Material 3:     Clay     Geologic Formation:<br>Material 3:       Gac Material Description:     UNSPECIFIED,TILL, CLAY. DENSE     Depositional Gen:<br>Sc Material 1 Description:<br>Stratum Description:     UNSPECIFIED,TILL, CLAY. DENSE       Geologic Stratum ID:     218386923     Mat Consistency:<br>Geologic Formation:<br>Material 1:     Geologic Formation:<br>Material 7:       Material 1:     Geologic Formation:<br>Material 1:     Geologic Formation:<br>Material 1:     Geologic Formation:<br>Material 1:       Material 2:     Coal fragments<br>Geologic Formation:<br>Material 1:     Geologic Formation:<br>Material 1:     Geologic Formation:<br>Material 1:       Geologic Stratum ID:     218386930     Mat Consistency:<br>Geologic Stratum ID:     Saterial Material Moisture:<br>Material 1:       Geologic Formation:     Geologic Formation:<br>Material 1:     Geologic Formation:<br>Material 1:       Material 1:     Geologic Formation:<br>Material 1:     Geologic Formation:<br>Mate  | Material 1:   |                   | Clay      |                            |                  | Geologic Formation: |  |
| Material 3:     Sand     Geologic Period:<br>Depositional Gen:       Ges: Material Description:     CLAY, SILT, SAND. BROWN, GREY, HARD.     Dense       Geology Stratum ID:     218386927     Material Moisture:<br>Bottom Depth:     A.8       Geology Stratum ID:     218386927     Material Moisture:<br>Material Texture:<br>Material 1     Dense       Material T:     Unknown     Geologic Formation:<br>Material 3:     Clay     Geologic Formation:<br>Material 3:       Geology Stratum ID:     Clay     Geologic Foriod:<br>Depositional Gen:     Depositional Gen:<br>Sec Material 4:       Geology Stratum ID:     218386923     Material Texture:<br>Geology Stratum ID:     UNSPECIFIED, TILL, CLAY, DENSE:       Geologic Stratum ID:     218386923     Material Moisture:<br>Material 4:     Material Texture:<br>Geologic Formation:<br>Material 1:       Material 2:     Coal fragments     Geologic Formation:<br>Material 3:     Geologic Formation:<br>Material 3:       Gast Material 1:     Geologic Formation:<br>Material 3:     Geologic Formation:<br>Material 4:       Material 1:     Geologic Formation:<br>Material 3:     Geologic Formation:<br>Material 4:       Geologic Stratum ID:     218386930     Mat Consistency:<br>Material 1:       Geologic Stratum ID:     218386930     Material Moisture:<br>Material 1:       Geologic Formation:<br>Stratum Description:     Sci Material Moisture:<br>Material 1:       Material 1:     Geologic Formation:<br>Material 1: <t< td=""><td>Material 2:</td><td></td><td>Silt</td><td></td><td></td><td>Geologic Group:</td><td></td></t<>  | Material 2:   |                   | Silt      |                            |                  | Geologic Group:     |  |
| Material 4:     Depositional Gen:       Ges: Material Description:     CLAY,SILT,SAND. BROWN,GREY,HARD.       Geology Stratum ID:     218386927     Mat Consistency:     Dense       Top Depth:     3.8     Material Moisture:       Bottom Depth:     3.8     Material Texture:       Material Toilor:     Non Geo Mat Type:       Material 1:     Unknown     Geologic Formation:       Material 2:     Till     Geologic Formation:       Material 1:     Unknown     Geologic Period:       Material 1:     Clay     Geologic Period:       Material 1:     UNSPECIFIED,TILL, CLAY. DENSE.     Statum Description:       Stratum Description:     UNSPECIFIED,TILL, CLAY. DENSE.     Statum Description:       Geology Stratum ID:     218386923     Material Texture:       Material 1:     Geologic Group:     Geologic Group:       Material 1:     Geologic Group:     Material Texture:       Material 1:     Geologic Foriod:     Material Texture:       Material 1:     Geologic Foriod:     Geologic Group:       Material 1:     Geologic Foriod:     Geologic Foriod:       Material 1:     Geologic Group:     Geologic Group:       Material 1:     Geologic Group:     Geologic Group:       Material 1:     Geologic Group:     Geologic Group: <td>Material 3:</td> <td></td> <td>Sand</td> <td></td> <td></td> <td></td> <td></td>  | Material 3:   |                   | Sand      |                            |                  |                     |  |
| Stratum Description:       CLAY, SILT, SAND. BROWN, GREY, HARD.         Geology Stratum ID:       218386927       Mat Consistency:       Dense         Top Depth:       3.8       Material Moisture:       Material Moisture:         Bottom Depth:       4.6       Material Texture:       Non Geo Mat Type:         Material Color:       With Material Texture:       Non Geo Mat Type:         Material Color:       TIII       Geologic Formation:         Material 2:       TIII       Geologic Forical:         Material 3:       Clay       Geologic Period:         Material Description:       UNSPECIFIED, TILL, CLAY. DENSE:         Geology Stratum ID:       218386923       Material Moisture:         Sottom Depth:       0       Material Moisture:         Material Color:       Non Geo Mat Type:         Material 2:       Coal Iragments       Geologic Formation:         Material 3:       Granuls       Geologic Formation:         Material 3:       Granuls       Geologic Formation:         Material 4:       Wood Fragments       Depositional Gen:         Stratum Description:       ARTIFICIAL,COAL, CINDERS,WOOD       Material Moisture:         Stratum Description:       1       ARTIFICIAL,COAL, CINDERS,WOOD       Material Moisture: </td <td>Material 4:</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>   | Material 4:   |                   |           |                            |                  |                     |  |
| Stratum Description:       CLAY, SILT, SAND. BROWN, GREY, HARD.         Geology Stratum ID:       218386927       Mat Consistency:       Dense         Top Depth:       3.8       Material Moisture:       Material Moisture:         Bottom Depth:       4.6       Material Texture:       Non Geo Mat Type:         Material Color:       With Material Texture:       Non Geo Mat Type:         Material Color:       TIII       Geologic Formation:         Material 2:       TIII       Geologic Forical:         Material 3:       Clay       Geologic Period:         Material Description:       UNSPECIFIED, TILL, CLAY. DENSE:         Geology Stratum ID:       218386923       Material Moisture:         Sottom Depth:       0       Material Moisture:         Material Color:       Non Geo Mat Type:         Material 2:       Coal Iragments       Geologic Formation:         Material 3:       Granuls       Geologic Formation:         Material 3:       Granuls       Geologic Formation:         Material 4:       Wood Fragments       Depositional Gen:         Stratum Description:       ARTIFICIAL,COAL, CINDERS,WOOD       Material Moisture:         Stratum Description:       1       ARTIFICIAL,COAL, CINDERS,WOOD       Material Moisture: </td <td>Gsc Material</td> <td>Description</td> <td>n:</td> <td></td> <td></td> <td>•</td> <td></td>  | Gsc Material  | Description       | n:        |                            |                  | •                   |  |
| Top Depth:     3.8     Material Moisture:       Bottom Depth:     4.6     Material Texture:       Material 11:     Unknown     Geologic Foration:       Material 2:     Till     Geologic Group:       Material 3:     Clay     Geologic Period:       Material 4:     Depositional Gen:     Geologic Scrup:       Scs Material 2:     UNSPECIFIED, TILL, CLAY. DENSE.     Geologic Period:       Geology Stratum ID:     218386923     Mat Consistency:       Stratum Description:     UNSPECIFIED, TILL, CLAY. DENSE.     Geologic Formation:       Geology Stratum ID:     218386923     Material Moisture:       Bottom Depth:     0     Material Texture:       Material Color:     Non Geo Mat Type:     Material Texture:       Material 2:     Coal fragments     Geologic Formation:       Material 3:     Granuls     Geologic Group:       Material 4:     Wood Fragments     Depositional Gen:       Geology Stratum ID:     218386930     Material Moisture:       Bottom Depth:     7.7     Material Texture:       Material 2:     Geologic Formation:       Material  | Stratum Desc  | cription:         |           | CLAY,SILT,SAND.            | BROWN,GREY,H     | ARD.                |  |
| Top Depth:       3.8       Material Moisture:         Bottom Oepth:       4.6       Material Texture:         Material Color:       Non Geo Mat Type:         Material 1:       Unknown       Geologic Forination:         Material 3:       Clay       Geologic Period:         Material 3:       UNSPECIFIED, TILL, CLAY. DENSE:       Depositional Gen:         Geology Stratum ID:       21838692.3       Material Moisture:         Geology Stratum ID:       21838692.3       Material Moisture:         Geology Stratum ID:       21838692.3       Material Moisture:         Bottom Depth:       0       Material Moisture:         Bottom Depth:       0       Material Moisture:         Material 2:       Coal fragments       Geologic Forup:         Material 3:       Granuls       Geologic Period:         Material 4:       Wood Fragments       Depositional Gen:         Geology Stratum ID:       21838693.0       Material Moisture:         Stratum Description:       ARTIFICIAL, COAL, CINDERS, WOOD.       Geologic Period:         Material 4:       Wood Fragments       Depositional Gen:         Stratum Description:       ARTIFICIAL, COAL, CINDERS, WOOD.       Material Moisture:         Geology Stratum ID:       21838693.0  | Geology Stra  | tum ID:           | 21838692  | 27                         |                  | Mat Consistency:    | Dense  |
| Material Color:     Non Geo Mat Type:       Material 1:     Unknown     Geologic Group:       Material 3:     Clay     Geologic Group:       Material 3:     Clay     Geologic Period:       Material 3:     UNSPECIFIED, TILL, CLAY. DENSE     Depositional Gen:       Geology Stratum Description:     UNSPECIFIED, TILL, CLAY. DENSE     Material Moisture:       Geology Stratum ID:     218386923     Material Moisture:       Geologic Group:     Material Texture:     Material Color:       Material Color:     Non Geo Mat Type:     Material Texture:       Material 2:     Coal fragments     Geologic Group:       Material 2:     Coal fragments     Geologic Group:       Material 3:     Granuls     Geologic Period:       Material 4:     Wood Fragments     Depositional Gen:       Geology Stratum ID:     218386930     Material Moisture:       Geology Stratum ID:     218386930     Material Moisture:       Geologic Stratum ID:     218386930     Material Moisture:       Geologic Formation:     Geologic Formation:       Material 1:     Retrial Moisture:       Geologic Stratum ID:     218386930     Material Retrial Moisture:       Geologic Formation:     Geologic Formation:     Geologic Formation:       Material 1:     Bedrock     Geologic   | Top Depth:    |                   | 3.8       |                            |                  | Material Moisture:  |  |
| Material 1:       Unknown       Geologic Formation:         Material 2:       Till       Geologic Group:         Material 3:       Clay       Geologic Period:         Material 4:       Depositional Gen:         Gsc Material Description:       UNSPECIFIED,TILL, CLAY. DENSE.         Stratum Description:       UNSPECIFIED,TILL, CLAY. DENSE.         Geologic Stratum ID:       218386923       Material Moisture:         Bottom Depth:       0       Material Moisture:         Bottom Depth:       .3       Material Toxture:         Material 1:       Geologic Formation:       Geologic Formation:         Material 2:       Coal fragments       Geologic Formation:         Material 3:       Granuls       Geologic Formation:         Material 4:       Wood Fragments       Depositional Gen:         Gsc Material Description:       ARTIFICIAL, COAL, CINDERS, WOOD.       Stratum Description:         Stratum Description:       ARTIFICIAL, COAL, CINDERS, WOOD.       Material Moisture:         Bottom Depth:       6.2       Material Moisture:         Bottom Depth:       7.7       Material Moisture:         Material 1:       Bedrock       Geologic Group:         Material 1:       Bedrock       Geologic Formation:   | Bottom Deptl  | h:                | 4.6       |                            |                  | Material Texture:   |  |
| Material 2:       Till       Geologic Group:         Material 3:       Clay       Geologic Period:         Material 4:       Depositional Gen:         Gsc Material Description:       UNSPECIFIED,TILL, CLAY. DENSE.         Stratum Description:       UNSPECIFIED,TILL, CLAY. DENSE.         Geology Stratum ID:       218386923       Material Moisture:         Goology Stratum ID:       218386923       Material Moisture:         Bottom Depth:       .8       Material Texture:         Material Color:       Non Geo Mat Type:         Material 1:       Geologic Formation:         Material 2:       Coal fragments       Geologic Group:         Material 2:       Coal fragments       Geologic Period:         Material 4:       Wood Fragments       Depositional Gen:         Gsc Material Description:       ARTIFICIAL,COAL, CINDERS,WOOD       Stratum Description:         Stratum Description:       ARTIFICIAL,COAL, CINDERS,WOOD       Material Moisture:         Geologic Formation:       Geologic Formation:       Geologic Formation:         Material 1:       Bedrock       Geologic Formation:         Material 2:       Material Moisture:       Geologic Formation:         Material 1:       Geologic Formation:       Geologic Formation: <t< td=""><td>Material Colo</td><td>or:</td><td></td><td></td><td></td><td>Non Geo Mat Type:</td><td></td></t<>   | Material Colo | or:               |           |                            |                  | Non Geo Mat Type:   |  |
| Material 3:     Clay     Geologic Period:<br>Depositional Gen:       Material 4:     Depositional Gen:       Gsc Material Description:     UNSPECIFIED, TILL, CLAY. DENSE.       Stratum Description:     UNSPECIFIED, TILL, CLAY. DENSE.       Geology Stratum ID:     218386923     Mat Consistency:<br>Top Depth:       0     Material Moisture:<br>Non Geo Mat Type:<br>Material Color:     Non Geo Mat Type:<br>Naterial Color:<br>Non Geo Mat Type:<br>Material 2:       Material 1:     Geologic Formation:<br>Material 3:     Granuls       Gsc Material Description:     Geologic Period:<br>Material 4:       Wood Fragments     Depositional Gen:<br>Gsc Material Description:       Stratum Description:     ARTIFICIAL,COAL, CINDERS,WOOD.       Geology Stratum ID:     218386930     Mat Consistency:<br>Non Geo Mat Type:<br>Material 1:       Material 1:     Bedrock     Geologic Formation:<br>Material Texture:<br>Material 1:       Material 1:     Bedrock     Geologic Formation:<br>Material 1:       Material 1:     Bedrock     Geologic Formation:<br>Material 2:       Material 3:     Geologic Formation:<br>Material 3:     Geologic Formation:<br>Material 3:       Material 3:     Geologic Formation:<br>Material 3:     Geologic Formation:<br>Material 4:       Gsc Material 1:     Bedrock     Geologic Formation:<br>Material 3:       Material 3:     Geologic Formation:<br>Material 3:     Geologic Formation:<br>Material 4:       Gsc Material   | Material 1:   |                   | Unknown   | 1                          |                  | Geologic Formation: |  |
| Material 4:       Depositional Gen:         Gsc Material Description:       UNSPECIFIED,TILL, CLAY. DENSE.         Geology Stratum ID:       218386923         Gatterial Color:       Naterial Moisture:         Bottom Depth:       .8         Material Color:       Non Geo Mat Type:         Material 2:       Coal fragments       Geologic Formation:         Material 3:       Granuls       Geologic Period:         Material 4:       Wood Fragments       Depositional Gen:         Gsc Material Description:       ARTIFICIAL,COAL, CINDERS,WOOD.       ARTIFICIAL,COAL, CINDERS,WOOD.         Geology Stratum ID:       218386930       Material Moisture:         Bottom Depth:       6.2       Material Moisture:         Bottom Depth:       7.7       Material Moisture:         Material 2:       Geologic Formation:       Geologic Formation:         Material 3:       Geologic Formation:       Material Color:         Material 4:       Wood Fragments       Geologic Formation:         Material 2:       Material Moisture:       Material Color:         Material 3:       Geologic Formation:       Geologic Formation:         Material 1:       Bedrock       Geologic Formation:       Geologic Formation:         Material 3:       <  | Material 2:   |                   | Till      |                            |                  | Geologic Group:     |  |
| Gsc Material Description:       UNSPECIFIED, TILL, CLAY. DENSE.         Geology Stratum ID:       218386923         Material Moisture:       Material Moisture:         Sottom Depth:       0         Material Color:       Material Texture:         Material 2:       Coal fragments         Geologic Formation:       Geologic Formation:         Material 3:       Granuls         Gsc Material Description:       Stratum Description:         Stratum Description:       ARTIFICIAL,COAL, CINDERS,WOOD.         Geologic Stratum ID:       218386930         Material 1:       Material Moisture:         Bottom Depth:       6.2         Material Color:       Material Moisture:         Stratum Description:       ARTIFICIAL,COAL, CINDERS,WOOD.         Geology Stratum ID:       218386930       Material Moisture:         Bottom Depth:       6.2       Material Moisture:         Material Color:       Non Geo Mat Type:         Material 1:       Bedrock       Geologic Formation:         Material 1:       Bedrock       Geologic Coroup:         Material 1:       Depositional Gen:         Gsc Material 1:       Depositional Gen:         Gsc Material 1:       Depositional Gen:         Gsc  | Material 3:   |                   | Clay      |                            |                  | Geologic Period:    |  |
| Stratum Description:       UNSPECIFIED,TILL, CLAY. DENSE.         Geology Stratum ID:       218386923       Mat Consistency:         Top Depth:       0       Material Moisture:         Bottom Depth:       .3       Material Moisture:         Material Color:       Non Geo Mat Type:         Material 1:       Geologic Formation:         Material 2:       Coal fragments       Geologic Group:         Material 1:       Wood Fragments       Depositional Gen:         Material 2:       Wood Fragments       Depositional Gen:         Gsc Material Description:       ARTIFICIAL,COAL, CINDERS,WOOD       Material Moisture:         Stratum Description:       ARTIFICIAL,COAL, CINDERS,WOOD       Material Moisture:         Bottom Depth:       7.7       Material Texture:         Material 2:       Material Moisture:       Moisture:         Bottom Depth:       7.7       Material Texture:         Material 1:       Bedrock       Geologic Formation:         Material 2:       Geologic Group:       Material Texture:         Material 1:       Bedrock       Geologic Group:         Material 1:       Geologic Group:       Geologic Group:         Material 1:       Geologic Group:       Geologic Group:         Material 3   | Material 4:   |                   |           |                            |                  | Depositional Gen:   |  |
| Geology Stratum ID:       218386923       Mat Consistency:         Top Depth:       0       Material Moisture:         Bottom Depth:       .8       Material Texture:         Material Color:       Non Geo Mat Type:         Material 2:       Coal fragments       Geologic Formation:         Material 3:       Granuls       Geologic Period:         Material 4:       Wood Fragments       Depositional Gen:         Gsc Material Description:       ARTIFICIAL,COAL, CINDERS,WOOD.         Stratum Description:       ARTIFICIAL,COAL, CINDERS,WOOD.         Geology Stratum ID:       218386930         Material 1:       Bedrock         Geologic Formation:       Material Moisture:         Material Color:       Material Moisture:         Material 2:       Geologic Formation:         Material 2:       Geologic Formation:         Material 2:       Geologic Formation:         Material 4:       Geologic Formation:         Material 4:       Depositional Gen:         Gsc Material Description:       Stratum Description:         Stratum Description:       BEDROCK. 0000000700025012000750040012500600150028         0000000050006503600150123002001620027508700 **Note: Many records provided by the department have a truncated [Stratum Description] field. <t< td=""><td>Gsc Material</td><td>Description</td><td>n:</td><td></td><td></td><td>-</td><td></td></t<>   | Gsc Material  | Description       | n:        |                            |                  | -                   |  |
| Top Depth:       0       Material Moisture:         Bottom Depth:       .8       Material Texture:         Material Color:       Geologic Formation:         Material 1:       Geologic Formation:         Material 2:       Coal fragments       Geologic Group:         Material 4:       Wood Fragments       Depositional Gen:         Gsc Material Description:       ARTIFICIAL,COAL, CINDERS,WOOD.         Geology Stratum ID:       218386930       Material Moisture:         Bottom Depth:       6.2       Material Moisture:         Bottom Depth:       7.7       Material Moisture:         Material 2:       Geologic Formation:       Geologic Formation:         Material 2:       Material Moisture:       Material Moisture:         Material Color:       ARTIFICIAL,COAL, CINDERS,WOOD.       Material Texture:         Material Color:       ARTIFICIAL,COAL, CINDERS,WOOD.       Material Moisture:         Material Color:       Non Geo Mat Type:       Material Texture:         Material 2:       Geologic Formation:       Material Texture:         Material 2:       Geologic Formation:       Geologic Group:         Material 3:       Geologic Formation:       Geologic Period:         Material 4:       Depositional Gen:       Depositional  | Stratum Desc  | cription:         |           | UNSPECIFIED, TILL          | ., CLAY. DENSE.  |                     |  |
| Bottom Depth:       .8       Material Texture:         Material Color:       Non Geo Mat Type:         Material 1:       Geologic Formation:         Material 3:       Granuls       Geologic Group:         Material 4:       Wood Fragments       Geologic Period:         Material 7:       Material Description:       ARTIFICIAL,COAL, CINDERS,WOOD.         Stratum Description:       ARTIFICIAL,COAL, CINDERS,WOOD.       Material Moisture:         Goology Stratum ID:       218386930       Material Texture:         Material 1:       Bedrock       Material Texture:         Material 1:       Bedrock       Geologic Group:         Material 1:       Bedrock       Geologic Formation:         Material 1:       Bedrock       Geologic Group:         Material 3:       Secologic Group:       Geologic Group:         Material 4:       Depositional Gen:       Geologic Group:         Material 1:       Bedrock       Geologic Group:         Material 3:       Geologic Period:       Depositional Gen:         Gsc Material Description:       Stratum Description:       Geologic Period:         Stratum Description:       BEDROCK.00000070002501200075040012500600150028       O000000500650360015012300200150202027508700 **Note: Many records provided by the department have a trunca   | Geology Stra  | tum ID:           | 21838692  | 23                         |                  | Mat Consistency:    |  |
| Material Color:       Non Geo Mat Type:         Material 1:       Geologic Formation:         Material 2:       Coal fragments       Geologic Foriod:         Material 3:       Granuls       Geologic Period:         Material 4:       Wood Fragments       Depositional Gen:         Gsc Material Description:       ARTIFICIAL,COAL, CINDERS,WOOD       Material Moisture:         Stratum Description:       ARTIFICIAL,COAL, CINDERS,WOOD       Material Moisture:         Geology Stratum ID:       218386930       Material Moisture:         Bottom Depth:       7.7       Material Moisture:         Material 1:       Bedrock       Geologic Formation:         Material 1:       Bedrock       Geologic Formation:         Material 3:       Geologic Formation:         Material 3:       Geologic Formation:         Material 4:       Depositional Gen:         Gsc Material 1:       BeDROCK.0000007000250120075040012500600150028         Material 3:       Geologic Formation:         Material 4:       Depositional Gen:         Gsc Material Description:       BEDROCK.0000000700025012007508000150028         Stratum Description:       BEDROCK.00000007000250120007508000150028         O000000050006503600150123002001620027508700 **Note: Many records provided by the department have a  | Top Depth:    |                   | 0         |                            |                  | Material Moisture:  |  |
| Material 1:       Geologic Formation:         Material 2:       Coal fragments       Geologic Group:         Material 3:       Granuls       Geologic Period:         Material 4:       Wood Fragments       Depositional Gen:         Gsc Material Description:       ARTIFICIAL,COAL, CINDERS,WOOD.       Material Moisture:         Goology Stratum ID:       218386930       Material Moisture:         Material Color:       6.2       Material Texture:         Material 2:       Non Geo Mat Type:       Material 7:         Material 2:       Geologic Period:       Material 7:         Material 3:       Geologic Formation:       Geologic Formation:         Material 1:       Bedrock       Geologic Group:         Material 3:       Geologic Period:       Depositional Gen:         Material 3:       Geologic Period:       Geologic Period:         Material 4:       Depositional Gen:       Geologic Period:         Stratum Description:       BEDROCK. 0000007002501200075040012500600150028       000000050006503600150123002001620027508700 **Note: Many records provided by the department have a truncated [Stratum Description] field.         Geology Stratum ID:       218386926       Mat Consistency:       Soft         Top Depth:       2.3       Material Moisture:       Soft    <  | Bottom Deptl  | h:                | .8        |                            |                  | Material Texture:   |  |
| Material 2:       Coal fragments       Geologic Group:         Material 3:       Granuls       Geologic Period:         Material 4:       Wood Fragments       Depositional Gen:         Gsc Material Description:       ARTIFICIAL,COAL, CINDERS,WOOD.       Fragments         Stratum Description:       ARTIFICIAL,COAL, CINDERS,WOOD.       Material Moisture:         Geology Stratum ID:       218386930       Material Moisture:         Bottom Depth:       6.2       Material Texture:         Material Color:       Non Geo Mat Type:         Material 1:       Bedrock       Geologic Group:         Material 2:       Geologic Period:         Material 3:       Geologic Group:         Material 3:       Geologic Period:         Material 4:       Depositional Gen:         Gsc Material Description:       BEDROCK.0000007000250120007500400150028         Stratum Description:       BEDROCK.00000007000250120007500400150028         Stratum Description:       Stratum Descripti   | Material Colo | or:               |           |                            |                  | Non Geo Mat Type:   |  |
| Material 3:       Granuls       Geologic Period:         Material 4:       Wood Fragments       Depositional Gen:         Gsc Material Description:       ARTIFICIAL,COAL, CINDERS,WOOD.         Stratum Description:       ARTIFICIAL,COAL, CINDERS,WOOD.         Geology Stratum ID:       218386930         Depositional Material Moisture:       Material Moisture:         Bottom Depth:       6.2         Material Color:       Non Geo Mat Type:         Material 1:       Bedrock         Material 2:       Geologic Formation:         Material 3:       Geologic Period:         Material 4:       Depositional Gen:         Stratum Description:       Stratum Description:         Stratum Description:       BeDROCK. 00000070025012000750040012500600150028         000000050006503600150123002001620027508700 **Note: Many records provided by the department have a truncated [Stratum Description] field.         Geology Stratum ID:       218386926         Material Moisture:       Soft         Top Depth:       2.3  | Material 1:   |                   |           |                            |                  | Geologic Formation: |  |
| Material 4:       Wood Fragments       Depositional Gen:         Gsc Material Description:       ARTIFICIAL,COAL, CINDERS,WOOD.         Stratum Description:       ARTIFICIAL,COAL, CINDERS,WOOD.         Geology Stratum ID:       218386930       Mat Consistency:         Top Depth:       6.2       Material Moisture:         Bottom Depth:       7.7       Material Texture:         Material Color:       Non Geo Mat Type:         Material 1:       Bedrock       Geologic Formation:         Material 2:       Geologic Period:         Material 3:       Geologic Period:         Material 4:       Depositional Gen:         Gsc Material Description:       BEDROCK. 000000700025012000750040012500600150028         Stratum Description:       BEDROCK. 0000000700025012000750040012500600150028         Stratum Description:       BEDROCK. 0000000700025012000750040012500600150028         Stratum Description:       BEDROCK. 000000070002501200075004001250027508700 **Note: Many records provided by the department have a truncated [Stratum Description] field.         Geology Stratum ID:       218386926       Mat Consistency:       Soft         Top Depth:       2.3       Material Moisture:       Soft   | Material 2:   |                   | Coal frag | ments                      |                  |                     |  |
| Gsc Material Description:       ARTIFICIAL,COAL, CINDERS,WOOD.         Geology Stratum ID:       218386930       Mat Consistency:         Top Depth:       6.2       Material Moisture:         Bottom Depth:       7.7       Material Texture:         Material Color:       Non Geo Mat Type:         Material 1:       Bedrock       Geologic Formation:         Material 2:       Geologic Group:         Material 3:       Geologic Period:         Material 4:       Depositional Gen:         Gsc Material Description:       BEDROCK. 000000700025012000750040012500600150028         Stratum Description:       BEDROCK. 0000000700025012000750040012500600150028         Geology Stratum ID:       218386926       Mat Consistency:       Soft         Geology Stratum ID:       218386926       Mat Consistency:       Soft         Top Depth:       2.3       Material Moisture:       Soft  | Material 3:   |                   |           |                            |                  | Geologic Period:    |  |
| Stratum Description:       ARTIFICIAL,COAL, CINDERS,WOOD.         Geology Stratum ID:       218386930       Mat Consistency:         Top Depth:       6.2       Material Moisture:         Bottom Depth:       7.7       Material Texture:         Material Color:       Non Geo Mat Type:         Material 1:       Bedrock       Geologic Formation:         Material 2:       Geologic Group:         Material 3:       Geologic Period:         Material 4:       Depositional Gen:         Gsc Material Description:       BEDROCK. 000000700025012000750040012500600150028         Stratum Description:       BEDROCK. 0000000700025012000750040012500600150028         O00000050006503600150123002001620027508700 **Note: Many records provided by the department have a truncated [Stratum Description] field.         Geology Stratum ID:       218386926       Mat Consistency: Soft         Top Depth:       2.3       Xaterial Moisture:   | Material 4:   |                   | Wood Fra  | agments                    |                  | Depositional Gen:   |  |
| Geology Stratum ID:       218386930       Mat Consistency:         Top Depth:       6.2       Material Moisture:         Bottom Depth:       7.7       Material Texture:         Material Color:       Non Geo Mat Type:         Material 1:       Bedrock       Geologic Formation:         Material 2:       Geologic Group:         Material 3:       Geologic Period:         Material 4:       Depositional Gen:         Gsc Material Description:       BEDROCK. 000000700025012000750040012500600150028         Stratum Description:       BEDROCK. 000000700025012000750040012500600150028         000000050006503600150123002001620027508700 **Note: Many records provided by the department have a truncated [Stratum Description] field.         Geology Stratum ID:       218386926       Mat Consistency:       Soft         Top Depth:       2.3       Material Moisture:       Soft   |               |                   | ı:        | ARTIFICIAL COAL            | CINDERS WOOD     | )                   |  |
| Top Depth:       6.2       Material Moisture:         Bottom Depth:       7.7       Material Texture:         Material Color:       Non Geo Mat Type:         Material 1:       Bedrock       Geologic Formation:         Material 2:       Geologic Group:         Material 3:       Geologic Period:         Material 4:       Depositional Gen:         Sc Material Description:       BEDROCK. 000000700025012000750040012500600150028         Stratum Description:       BEDROCK. 0000000700025012000750040012500600150028         000000050006503600150123002001620027508700 **Note: Many records provided by the department have a truncated [Stratum Description] field.         Geology Stratum ID:       218386926       Mat Consistency:       Soft         Top Depth:       2.3       Material Moisture:       Soft  |               | •                 | 040000-   |                            | 0.102110,0001    |                     |  |
| Bottom Depth:       7.7       Material Texture:         Material Color:       Non Geo Mat Type:         Material 1:       Bedrock       Geologic Formation:         Material 2:       Geologic Group:         Material 3:       Geologic Period:         Material 4:       Depositional Gen:         Scs Material Description:       BEDROCK. 000000700025012000750040012500600150028         Stratum Description:       BEDROCK. 000000700025012000750040012500600150028         000000050006503600150123002001620027508700 **Note: Many records provided by the department have a truncated [Stratum Description] field.         Geology Stratum ID:       218386926       Mat Consistency:       Soft         Top Depth:       2.3       Material Moisture:       Soft  |               | tum ID:           |           | 30                         |                  |                     |  |
| Material Color:       Non Geo Mat Type:         Material 1:       Bedrock         Material 2:       Geologic Formation:         Material 3:       Geologic Period:         Material 4:       Depositional Gen:         Gsc Material Description:       BEDROCK. 000000700025012000750040012500600150028         Stratum Description:       BEDROCK. 0000000700025012000750040012500600150028         000000050006503600150123002001620027508700 **Note: Many records provided by the department have a truncated [Stratum Description] field.         Geology Stratum ID:       218386926         Material Moisture:       Soft  |               |                   |           |                            |                  |                     |  |
| Material 1:       Bedrock       Geologic Formation:<br>Geologic Group:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:         Material 3:       Geologic Period:<br>Depositional Gen:         Gsc Material Description:       BEDROCK. 000000700025012000750040012500600150028<br>000000050006503600150123002001620027508700 **Note: Many records provided by the department have a<br>truncated [Stratum Description] field.         Geology Stratum ID:       218386926       Mat Consistency:<br>Material Moisture:       Soft   |               |                   | 1.1       |                            |                  |                     |  |
| Material 2:       Geologic Group:         Material 3:       Geologic Period:         Material 4:       Depositional Gen:         Gsc Material Description:       BEDROCK. 000000700025012000750040012500600150028         Stratum Description:       BEDROCK. 000000700025012000750040012500600150028         000000050006503600150123002001620027508700 **Note: Many records provided by the department have a truncated [Stratum Description] field.         Geology Stratum ID:       218386926         Top Depth:       2.3  |               | or:               | <b>.</b>  |                            |                  |                     |  |
| Material 3:       Geologic Period:         Material 4:       Depositional Gen:         Gsc Material Description:       BEDROCK. 000000700025012000750040012500600150028         Stratum Description:       BEDROCK. 000000700025012000750040012500600150028         000000050006503600150123002001620027508700 **Note: Many records provided by the department have a truncated [Stratum Description] field.         Geology Stratum ID:       218386926         Mat Consistency:       Soft         Top Depth:       2.3  |               |                   | Bedrock   |                            |                  |                     |  |
| Material 4:       Depositional Gen:         Gsc Material Description:       BEDROCK. 000000700025012000750040012500600150028         Stratum Description:       BEDROCK. 000000000000000000000000000000000000  | Material 2:   |                   |           |                            |                  |                     |  |
| Gsc Material Description:       Stratum Description:         Stratum Description:       BEDROCK. 000000700025012000750040012500600150028<br>000000050006503600150123002001620027508700 **Note: Many records provided by the department have a<br>truncated [Stratum Description] field.         Geology Stratum ID:       218386926         Mat Consistency:       Soft         Material Moisture:       Soft  | Material 3:   |                   |           |                            |                  | 0                   |  |
| Stratum Description:       BEDROCK. 000000700025012000750040012500600150028         000000050006503600150123002001620027508700 **Note: Many records provided by the department have a truncated [Stratum Description] field.         Geology Stratum ID:       218386926         2.3       Mat Consistency:         Material Moisture:       Soft  |               |                   |           |                            |                  | Depositional Gen:   |  |
| 000000050006503600150123002001620027508700 **Note: Many records provided by the department have a truncated [Stratum Description] field.         Geology Stratum ID:       218386926       Mat Consistency:       Soft         Top Depth:       2.3       Material Moisture:       Soft  |               | •                 | 1:        |                            |                  |                     |  |
| Top Depth: 2.3 Material Moisture:  | Stratum Desc  | cription:         |           | 0000000500065036           | 00150123002001   |                     | ny records provided by the department have a |
| Top Depth: 2.3 Material Moisture:  | Geoloav Stra  | tum ID:           | 21838692  | 26                         |                  | Mat Consistency:    | Soft   |
|  |               |                   |           | -                          |                  |                     |  |
|  |               | h:                | 3.8       |                            |                  | Material Texture:   |  |

| Мар Кеу  | Number<br>Records    |                             | Direction/<br>Distance (m)                                    | Elev/Diff<br>(m) | Site  |  | DB  |
|--|----------------------|-----------------------------|---|------------------|---|--|-----|
| Material Colo<br>Material 1:<br>Material 2:<br>Material 3:<br>Material 4:<br>Gsc Material<br>Stratum Desc                  | Description          |                             | CLAY,SILT. BROWN  | I,GREY,VERY S    | Non Geo Mat Type:<br>Geologic Formation:<br>Geologic Group:<br>Geologic Period:<br>Depositional Gen:<br>OFT.  |  |     |
| <u>Source</u>  |                      |                             |   |                  |   |  |     |
| Source Type:<br>Source Orig:<br>Source Date:<br>Confidence:<br>Observatio:<br>Source Name<br>Source Detail<br>Confiden 1:  | r:                   | 1956-1972<br>H              | Survey of Canada<br>Urban Geology Auto<br>File: OTTAWA1.txt F | RecordID: 034240 | Source Appl:<br>Source Iden:<br>Scale or Res:<br>Horizontal:<br>Verticalda:<br>n System (UGAIS)<br>NTS_Sheet: 31G05C<br>mplete description of mater | Spatial/Tabular<br>1<br>Varies<br>NAD27<br>Mean Average Sea Level<br>ial and properties. |     |
| Source List  |                      |                             |   |                  |   |  |     |
| Source Identi<br>Source Type:<br>Source Date:  | ,                    | 1<br>Data Surv<br>1956-1972 |   |                  | Horizontal Datum:<br>Vertical Datum:<br>Projection Name:  | NAD27<br>Mean Average Sea Level<br>Universal Transverse Mercator                         |     |
| Scale or Reso<br>Source Name<br>Source Origir  | );                   |                             | Urban Geology Auto<br>Geological Survey o                     |                  | n System (UGAIS)  |  |     |
| <u>26</u>  | 1 of 1               |                             | E/249.6   | 81.9/1.29        | 838 PINEWOOD CRE<br>OTTAWA ON K2B 8B  |  | EHS |
| Order No:<br>Status:<br>Report Type:<br>Report Date:<br>Date Received<br>Previous Site<br>Lot/Building S<br>Additional Inf | d:<br>Name:<br>Size: | 4/2/2007<br>3/22/2007       | 026<br>stom Report<br>Fire Insur. Maps And                    | I /or Site Plans | Nearest Intersection:<br>Municipality:<br>Client Prov/State:<br>Search Radius (km):<br>X:<br>Y:   | 0.25<br>-75.793962<br>45.357977  |     |

# Unplottable Summary

# Total: 35 Unplottable sites

| DB | Company Name/Site Name                   | Address                        | City           | Postal |
|----|--|--------------------------------|----------------|--------|
| СА | L.SIPOLINS                               | SOUTH OF CARLING AVE.          | OTTAWA CITY ON |        |
| CA | NORTHERN TELECOM LTD.,<br>CARLING CAMPUS | CARLING AVENUE (SWM)           | NEPEAN ON      |        |
| CA | R.M. OF OTTAWA-CARLETON                  | LOTS 20-23, CONCESSION 1       | OTTAWA CITY ON |        |
| CA | NON-PROFIT HOUSING<br>CORPORATION        | RICHMOND RD.NON-PROFIT HOUSING | OTTAWA CITY ON |        |
| CA | MINISTRY OF THE ENVIR<br>GREENBANK RD.   | REG. RD. #13/JOCK RIVER/MUD CK | NEPEAN CITY ON |        |
| CA | OTTAWA CITY                              | RICHMOND ROAD                  | OTTAWA CITY ON |        |
| СА | WESMAR HOMES LTD.                        | CARLING AVE.                   | NEPEAN CITY ON |        |
| CA | COMPUTING DEVICES<br>COMPANY             | RICHMOND RD.                   | NEPEAN CITY ON |        |
| CA | Urbandale Corporation                    | Part of Lot 20, Concession 1   | Ottawa ON      |        |
| CA | Minto Developments Inc.                  | Lot 19, Concession 1           | Ottawa ON      |        |
| СА | Urbandale Corporation                    | Part of Lot 20, Concession 1   | Ottawa ON      |        |
| СА | City of Ottawa                           | Carling Avenue (Road allownce) | Ottawa ON      |        |
| СА | Minto Developments Inc.                  | Lot 19, Concession 1           | Ottawa ON      |        |
| СА | City of Ottawa                           | Richmond Road                  | Ottawa ON      |        |
| СА | Village Square Mall                      | Regional Road No. 13           | Ottawa ON      |        |
| СА |  | Richmond Road                  | Ottawa ON      |        |
| СА | OTTAWA CITY                              | RICHMOND ROAD                  | OTTAWA CITY ON |        |

| CA  | L.SIPOLINS                                       | HIGH ST.  | OTTAWA CITY ON |         |
|-----|--|---|----------------|---------|
| CA  | City of Ottawa                                   | Richmond Road   | Ottawa ON      |         |
| CA  | City of Ottawa                                   | From Richmond Road to Harwood Ave   | Ottawa ON      |         |
| CA  | City of Ottawa                                   | Richmond Road   | Ottawa ON      |         |
| CA  | City of Ottawa                                   | Carling Ave   | Ottawa ON      |         |
| CA  | COMPUTING DEVICES<br>COMPANY                     | RICHMOND RD.  | NEPEAN CITY ON |         |
| СА  | R.M. OF OTTAWA-CARLETON                          | PINECREST RD., WEST TRANSITWAY  | NEPEAN CITY ON |         |
| CA  | Appleton Subdivision                             | Part of Lot 21, Concession 2  | Ottawa ON      |         |
| CA  | Appleton Subdivision                             | Part of Lot 21, Concession 2  | Ottawa ON      |         |
| ECA | City of Ottawa                                   | Carling Ave   | Ottawa ON      | K2G 6J8 |
| ECA | Minto Developments Inc.                          | Lot 19, Concession 1  | Ottawa ON      | K1R 7Y2 |
| ECA | City of Ottawa                                   | Carling Ave   | Ottawa ON      | K2G 6J8 |
| GEN | GVT OF CAN-<br>HEALTH&WELFARE CAN.MED.<br>16-303 | SER.BR,UNIT#25,RM B-16, CARLING AVE. K.W.<br>NEATBY BLDG., C/O 301 ELGIN ST.    | OTTAWA ON      | K1A 0L3 |
| PRT | SUPERIOR PROPANE INC                             | PRT LOT 20 CON 2  | NEPEAN TWP ON  |         |
| SPL | City of Ottawa                                   | CARLING AVE., IN FRONT OF WESTGATE<br>SHOPPING CENTRE <unofficial></unofficial> | Ottawa ON      |         |
| SPL | HOTEL/MOTEL                                      | CARLING AVENUE (N.O.S.)   | OTTAWA CITY ON |         |
| SPL | TEXACO   | RICHMOND RD. SERVICE STATION  | OTTAWA CITY ON |         |
| SPL | OTTAWA TRANSIT                                   | CARLING AVENUE BUS  | OTTAWA ON      |         |

# **Unplottable Report**

#### Site: L.SIPOLINS SOUTH OF CARLING AVE. OTTAWA CITY ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: **Client City:** Client Postal Code: **Project Description:** Contaminants: **Emission Control:** 

7-1008-85-006 85 11/15/85 Municipal water Approved

#### NORTHERN TELECOM LTD., CARLING CAMPUS Site: CARLING AVENUE (SWM) NEPEAN ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: **Client Postal Code: Project Description:** Contaminants: **Emission Control:** 

3-1624-98-98 11/17/1998 Municipal sewage Approved

#### Site: R.M. OF OTTAWA-CARLETON LOTS 20-23, CONCESSION 1 OTTAWA CITY ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: **Client Address:** Client City: Client Postal Code: Project Description: Contaminants: **Emission Control:** 

3-1503-94-94 12/23/1994 Municipal sewage Approved

Database: CA

# NON-PROFIT HOUSING CORPORATION RICHMOND RD.NON-PROFIT HOUSING OTTAWA CITY ON Certificate #:

Site:

7-0925-87-



Database:

CA



Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 87 7/7/1987 Municipal water Approved

#### <u>Site:</u> MINISTRY OF THE ENVIR.-GREENBANK RD. REG. RD. #13/JOCK RIVER/MUD CK NEPEAN CITY ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 7-0930-92-92 11/25/1992 Municipal water Revised

#### <u>Site:</u> OTTAWA CITY RICHMOND ROAD OTTAWA CITY ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 3-1088-90-90 6/26/1990 Municipal sewage Approved

### <u>Site:</u> WESMAR HOMES LTD. CARLING AVE. NEPEAN CITY ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 3-1205-88-88 7/18/1988 Municipal sewage Approved Database: CA

Database: CA

> Database: CA

#### <u>Site:</u> COMPUTING DEVICES COMPANY RICHMOND RD. NEPEAN CITY ON

3-1688-87-87

9/17/1987

Approved

Municipal sewage

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

<u>Site:</u> Urbandale Corporation Part of Lot 20, Concession 1 Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 6191-5PPQ63 2003 7/25/2003 Municipal and Private Sewage Works Approved Database:

Database: CA

<u>Site:</u> Minto Developments Inc. Lot 19, Concession 1 Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 6111-5L8MWE 2003 4/3/2003 Municipal and Private Sewage Works Approved

#### <u>Site:</u> Urbandale Corporation Part of Lot 20, Concession 1 Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: 5155-667MFQ 2004 11/1/2004 Municipal and Private Sewage Works Approved

56

Database:

Database: CA Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

#### <u>Site:</u> City of Ottawa Carling Avenue (Road allownce) Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 3615-6QHRAR 2006 6/13/2006 Municipal and Private Sewage Works Approved Database: CA

Database: CA

Database:

CA

#### Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

<u>Site:</u>

1915-5L8Q54 2003 5/7/2003 Municipal and Private Sewage Works Approved

#### <u>Site:</u> City of Ottawa Richmond Road Ottawa ON

Minto Developments Inc.

Lot 19, Concession 1 Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 1424-6CXJGA 2005 6/3/2005 Municipal and Private Sewage Works Approved

<u>Site:</u> Village Square Mall Regional Road No. 13 Ottawa ON

Certificate #: Application Year: 7752-4VBMMJ 01 Database: CA

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Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 4/2/01 Municipal & Private sewage Approved New Certificate of Approval The Village Square Mall (Barrhaven) Inc. 17 Fitzgerald Road Nepean K2H 9G1 Storm and sanitary sewers to be constructed on Greenbank Road

#### Site:

#### Richmond Road Ottawa ON

Database:

| Certificate #:      | 7965-5ERRRZ                 |
|---------------------|-----------------------------|
| Application Year:   | 02                          |
| Issue Date:         | 10/11/02                    |
| Approval Type:      | Municipal & Private sewage  |
| Status:             | Approved                    |
| Application Type:   | New Certificate of Approval |
| Client Name:        | City of Ottawa              |
| Client Address:     | 110 Laurier Avenue West     |
| Client City:        | Ottawa                      |
| Client Postal Code: | K1P 1J1                     |
| Client City:        | Ottawa                      |

#### <u>Site:</u> OTTAWA CITY RICHMOND ROAD OTTAWA CITY ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 3-0159-96-96 4/1/1996 Municipal sewage Approved Database: CA

#### <u>Site:</u> L.SIPOLINS HIGH ST. OTTAWA CITY ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 3-1328-85-006 85 11/6/85 Municipal sewage Approved Database: CA

#### <u>Site:</u> City of Ottawa Richmond Road Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 6859-5X8K46 2004 3/23/2004 Municipal and Private Sewage Works Approved

#### <u>Site:</u> City of Ottawa From Richmond Road to Harwood Ave Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 7452-83ULTR 2010 3/26/2010 Municipal and Private Sewage Works Approved

#### <u>Site:</u> City of Ottawa Richmond Road Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

7893-5NLQJH 2003 6/18/2003 Municipal and Private Sewage Works Approved

<u>Site:</u> City of Ottawa Carling Ave Ottawa ON

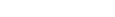
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: 2472-8GRQTN 2011 5/20/2011 Municipal and Private Sewage Works Approved

59

Database: CA

Database: CA

Database: CA



#### <u>Site:</u> COMPUTING DEVICES COMPANY RICHMOND RD. NEPEAN CITY ON

#### Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

7-1397-87-87 9/17/1987 Municipal water Approved

#### <u>Site:</u> R.M. OF OTTAWA-CARLETON PINECREST RD., WEST TRANSITWAY NEPEAN CITY ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site:

3-0011-99-99 2/22/1999 Municipal sewage Approved

Database:

CA

Database: CA

# Appleton Subdivision Part of Lot 21, Concession 2 Ottawa ON

Certificate #: 9776-55UJ3V 02 Application Year: Issue Date: 1/2/02 Approval Type: Municipal & Private water Status: Approved Application Type: New Certificate of Approval Client Name: Richcraft Homes Ltd. 201-2280 St. Laurent Blvd. Client Address: Client City: Ottawa Client Postal Code: K1G 4K1 Project Description: Construction of a Watermain Contaminants: **Emission Control:** 

#### Appleton Subdivision Part of Lot 21, Concession 2 Ottawa ON

Certificate #: Application Year: Issue Date:

Site:

7361-55UJ9V 02 1/2/02 Database: CA

#### 60

Database: CA Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: Municipal & Private sewage Approved New Certificate of Approval Richcraft Homes Ltd. 201-2280 St. Laurent Blvd. Ottawa K1G 4K1 Construction of Storm and Sanitary Sewers

#### <u>Site:</u> City of Ottawa Carling Ave Ottawa ON K2G 6J8

Database: ECA

| Approval No:<br>Approval Date:<br>Status:<br>Record Type:<br>Link Source:<br>SWP Area Name:<br>Approval Type:<br>Project Type:<br>Address:<br>Full Address:<br>Full PDF Link: | MUNICIPAL AND PRIV  | MOE District:<br>City:<br>Longitude:<br>Latitude:<br>Geometry X:<br>Geometry Y:<br>P PRIVATE SEWAGE WORKS<br>/ATE SEWAGE WORKS |                  |
|---|---|--|------------------|
|   | elopments Inc.<br>acession 1 Ottawa ON K1R 7Y2                  |  | Database:<br>ECA |
| Approval No:  | 7864-5L2TU4   | MOE District:  |                  |
| Approval Date:  | 2003-04-14  | City:  |                  |
| Status:   | Approved  | Longitude:   |                  |
| Record Type:  | ECA   | Latitude:  |                  |
| Link Source:<br>SWP Area Name:  | IDS   | Geometry X:<br>Geometry Y:   |                  |
| Approval Type:  | ECA-Municipal and Pri   |  |                  |
| Project Type:   | Project Type: Municipal and Private Water Works                 |  |                  |
| Address:  | Lot 19, Concession 1  |  |                  |
| Full Address:<br>Full PDF Link:   |   |  |                  |
|   |   |  |                  |
| Site: City of Otta  | iwa   |  | Database:        |
| /   | e Ottawa ON K2G 6J8   |  | ECA              |
| Approval No:  | 3723-9ATJC6   | MOE District:  |                  |
| Approval Date:  | 2013-08-30  | City:  |                  |
| Status:   | Approved  | Longitude:   |                  |
| Record Type:<br>Link Source:  | ECA<br>IDS  | Latitude:  |                  |
| SWP Area Name:  | 105   | Geometry X:<br>Geometry Y:   |                  |
| Approval Type:  | ECA-MUNICIPAL AND   | PRIVATE SEWAGE WORKS   |                  |
| Project Type:   |   | ATE SEWAGE WORKS   |                  |
| Address:  | Carling Ave   |  |                  |
| Full Address:   | Ũ   |  |                  |
| Full PDF Link:  | https://www.accessenv   | rironment.ene.gov.on.ca/instruments/9325-9AMR2C-14.pdf   |                  |
|   | N-HEALTH&WELFARE CAN.MED.16<br>NT#25,RM B-16, CARLING AVE. K.W. | -303<br>NEATBY BLDG., C/O 301 ELGIN ST. OTTAWA ON K1A 0L3  | Database:<br>GEN |
| Generator No:   | ON0095617   | PO Box No:   |                  |
| Status:   |   |  |                  |
| Approval Years:   | 92,93,94,95,96,97   | Country:<br>Choice of Contact:   |                  |

Contam. Facility: MHSW Facility: SIC Code: SIC Description:

8635 PUB. HEALTH CLINICS

312

Co Admin: Phone No Admin:

#### Detail(s)

Waste Class: Waste Class Desc:

PATHOLOGICAL WASTES

#### SUPERIOR PROPANE INC Site: PRT LOT 20 CON 2 NEPEAN TWP ON

| Location ID:  | 9655       |
|---------------|------------|
| Туре:         | retail     |
| Expiry Date:  | 1992-02-28 |
| Capacity (L): | 2000       |
| Licence #:    | 0032772001 |

#### Site: City of Ottawa

#### CARLING AVE., IN FRONT OF WESTGATE SHOPPING CENTRE<UNOFFICIAL> Ottawa ON

| Ref No:<br>Site No:   | 7707-5XRK48   | Discharger Report:<br>Material Group:      | Chemical |
|---|---|--|----------|
| Incident Dt:<br>Year:                                       | 4/5/2004  | Health/Env Conseq:<br>Client Type:         |          |
| Incident Cause:   | Pipe Or Hose Leak                                   | Sector Type:                               | Other    |
| Incident Event:<br>Contaminant Code:                        | 27  | Agency Involved:<br>Nearest Watercourse:   |          |
| Contaminant Name:   | COOLANT (N.O.S.)                                    | Site Address:                              |          |
| Contaminant Limit 1:<br>Contam Limit Freg 1:                |   | Site District Office:<br>Site Postal Code: | Ottawa   |
| Contaminant UN No 1:  |   | Site Region:                               | Eastern  |
| Environment Impact:   | Possible  | Site Municipality:                         | Ottawa   |
| Nature of Impact:<br>Receiving Medium:                      | Soil Contamination<br>Land                          | Site Lot:<br>Site Conc:                    |          |
| Receiving Env:  |   | Northing:                                  |          |
| MOE Response:<br>Dt MOE Arvl on Scn:                        |   | Easting:<br>Site Geo Ref Accu:             |          |
| MOE Reported Dt:  | 4/5/2004  | Site Geo Rei Accu:<br>Site Map Datum:      |          |
| Dt Document Closed:   |   | SAC Action Class:                          | Spills   |
| Incident Reason:<br>Site Name:                              | Equipment Failure<br>CARLING AVE., IN FRONT OF WEST | Source Type:                               |          |
| Site County/District:                                       | CAREING AVE., INTRONT OF WEST                       | OATE SHOLT ING CENTR                       |          |
| Site Geo Ref Meth:<br>Incident Summary:<br>Contaminant Qty: | OC Transpo,7 L antifreeze into storm s<br>7 L       | sewer,works                                |          |

Site: HOTEL/MOTEL CARLING AVENUE (N.O.S.) OTTAWA CITY ON

| Ref No:<br>Site No:   | 84065                           | Discharger Report:<br>Material Group:                       |
|---|---------------------------------|---|
| Incident Dt:<br>Year:   | 4/14/1993                       | Health/Env Conseq:<br>Client Type:                          |
| Incident Cause:<br>Incident Event:<br>Contaminant Code:           | UNDERGROUND TANK LEAK           | Sector Type:<br>Agency Involved:<br>Nearest Watercourse:    |
| Contaminant Name:<br>Contaminant Limit 1:<br>Contam Limit Freg 1: |                                 | Site Address:<br>Site District Office:<br>Site Postal Code: |
| Contaminant UN No 1:<br>Environment Impact:<br>Nature of Impact:  | CONFIRMED<br>Soil contamination | Site Region:<br>Site Municipality: 20101<br>Site Lot:       |

#### Database: SPL

Database:

PRT

Database: SPL

Receiving Medium: Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: Dt Document Closed: Incident Reason: Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: Contaminant Qty:

4/14/1993

LAND

CORROSION

Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:

MCCR

EMBASSY WEST HOTEL: FUEL-CONTAMINATED SOIL FOUND BY UNDERGROUND TANK

#### TEXACO Site: RICHMOND RD. SERVICE STATION OTTAWA CITY ON

Ref No: 14431 Discharger Report: Material Group: Site No: Incident Dt: 2/2/1989 Health/Env Conseq: Year: Client Type: Incident Cause: OTHER CAUSE (N.O.S.) Sector Type: Incident Event: Agency Involved: Contaminant Code: Nearest Watercourse: Contaminant Name: Site Address: Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site Postal Code: Contaminant UN No 1: Site Region: NOT ANTICIPATED 20101 Environment Impact: Site Municipality: 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: 2/2/1989 MOE Reported Dt: 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:

#### Site: OTTAWA TRANSIT CARLING AVENUE BUS OTTAWA ON

Contaminant Qty:

| Ref No:              | 187680               | Discharger Report:    |                                       |
|----------------------|----------------------|-----------------------|---------------------------------------|
| Site No:             |                      | Material Group:       |                                       |
| Incident Dt:         | 9/29/2000            | Health/Env Conseg:    |                                       |
| Year:                |                      | Client Type:          |                                       |
| Incident Cause:      | PIPE/HOSE LEAK       | Sector Type:          |                                       |
| Incident Event:      |                      | Agency Involved:      |                                       |
| Contaminant Code:    |                      | Nearest Watercourse:  |                                       |
| Contaminant Code.    |                      | Site Address:         |                                       |
|                      |                      |                       |                                       |
| Contaminant Limit 1: |                      | Site District Office: |                                       |
| Contam Limit Freq 1: |                      | Site Postal Code:     |                                       |
| Contaminant UN No 1: |                      | Site Region:          |                                       |
| Environment Impact:  | POSSIBLE             | Site Municipality:    | 20107                                 |
| Nature of Impact:    | Water course or lake | Site Lot:             |                                       |
| Receiving Medium:    | WATER                | Site Conc:            |                                       |
| Receiving Env:       |                      | Northing:             |                                       |
| MOE Response:        |                      | Easting:              | PUBLIC WORKS, FIRE DEPARTMENT         |
| Dt MOE Arvl on Scn:  |                      | Site Geo Ref Accu:    | · · · · · · · · · · · · · · · · · · · |
| MOE Reported Dt:     | 9/29/2000            | Site Map Datum:       |                                       |
| Dt Document Closed:  | 9/29/2000            | SAC Action Class:     |                                       |
|                      |                      |                       |                                       |
| Incident Reason:     | UNKNOWN              | Source Type:          |                                       |
| Site Name:           |                      |                       |                                       |

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Database: SPL

Database: SPL

Site County/District: Site Geo Ref Meth: Incident Summary: Contaminant Qty:

OC TRANSPO:DIESEL FUEL LEAK FROM FUEL PUMP/LINE INTO SEWER-WORKS NOTIFIED

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# 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.

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and

#### Abandoned Aggregate Inventory:

Abandoned Mine Information System:

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: AGR The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage. Government Publication Date: Up to Sep 2019

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: ANDR The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

#### Aboveground Storage Tanks:

or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated. Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

#### 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, 2020

Borehole: 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

Provincial

AAGR

AMIS

AST

AUWR

Provincial

Provincial

Private

Provincial Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water

Private

Provincial

#### Certificates of Approval:

#### Dry Cleaning Facilities:

Government Publication Date: 1985-Oct 30, 2011\*

Please refer to those individual databases for any information after Oct.31, 2011.

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. Environment and Climate Change Canada cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Jan 2004-Dec 2017

#### Commercial Fuel Oil Tanks:

Chemical Register:

#### listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information. Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

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

The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

#### 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.).

3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas

Government Publication Date: 1999-Jan 31, 2020

#### Compressed Natural Gas Stations:

#### 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 - Jun 2020

Inventory of Coal Gasification Plants and Coal Tar Sites: 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:**

#### 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-Dec 2019

#### Certificates of Property Use:

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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-Jul 31, 2020

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).

Federal

Provincial

Private

Private Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at

Provincial

Provincial

Provincial CPU



#### CA

CDRY

#### CFOT Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this

CHEM

CNG

CONV

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Drill Hole Database:

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Sep 2019

#### Environmental Activity and Sector Registry:

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-Jul 31, 2020

Environmental Registry: 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-Jul 31, 2020

#### Environmental Compliance Approval:

Environmental Effects Monitoring:

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-Jul 31, 2020

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: 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-Jul 31, 2020

#### Environmental Issues Inventory System:

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:

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

Provincial

Federal

Private

Federal

Provincial

EMHE

EIIS

#### Provincial

Provincial

EASR

FRR

**ECA** 

EEM

DRL

Provincial

67

## Order No: 20290200512

#### Environmental Penalty Annual Report:

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, 2019

### List of Expired Fuels Safety Facilities:

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the around.

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

The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

#### Federal Convictions:

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\*

Federal Contaminated Sites on Federal Land: FCS The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Apr 2020

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

Government Publication Date: 1964-Sep 2019

Fisheries & Oceans Fuel Tanks:

#### Federal Identification Registry for Storage Tank Systems (FIRSTS):

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

Government Publication Date: May 31, 2018

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

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

The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests

Government Publication Date: Feb 28, 2017

#### Fuel Storage Tank - Historic:

68

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\*

Federal

Federal

Provincial

Provincial

Provincial

Federal

Provincial

**EPAR** 

FXP

**FCON** 

FOFT

FRST

**FSTH** 

### **Ontario Regulation 347 Waste Generators Summary:**

#### 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-Apr 30, 2020

### Greenhouse Gas Emissions from Large Facilities:

#### dioxide equivalents (kt CO2 eq). Government Publication Date: 2013-Dec 2017

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

Government Publication Date: 1950-Aug 2003\*

#### Fuel Oil Spills and Leaks:

#### Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness. Government Publication Date: Jul 31, 2020

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

Government Publication Date: Feb 28, 2019

Landfill Inventory Management Ontario:

**Canadian Mine Locations:** MINF 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:

69

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 2020

Federal List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon

Provincial

GEN

GHG

INC

LIMO

Provincial

Federal

Provincial

Provincial

Private

Provincial

MNR

National Analysis of Trends in Emergencies System (NATES):

of spill, damage incurred, and amount, concentration, and volume of materials released.

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

#### Non-Compliance Reports:

#### Sectoral Regulation or specific regulation/act. Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks:

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.

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.

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,

Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source

Government Publication Date: Up to May 2001\*

#### National Defense & Canadian Forces Spills:

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: **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: NEBI Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction. Government Publication Date: 2008-Mar 31, 2020

National Energy Board Wells: Federal NFRP 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):

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\*

Federal

NATE

NCPL

NDFT

NDSP

NEES

Provincial

Federal

Federal

Federal

Federal

Federal

National PCB Inventory:

where the waste is being used or stored. Government Publication Date: 1988-2008\*

National Pollutant Release Inventory:

Government Publication Date: 1993-May 2017

## 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.

comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

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

Government Publication Date: 1988-May 31, 2020

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. Government Publication Date: 1800-Jun 2020

Provincial Inventory of PCB Storage Sites: **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.

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

The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

### Orders:

#### 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.

Canadian Pulp and Paper:

Government Publication Date: 1994-Jul 31, 2020

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

## Parks Canada Fuel Storage Tanks:

Government Publication Date: 1920-Jan 2005\*

#### Pesticide Register:

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011-Jul 31, 2020

## **Pipeline Incidents:**

historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness. The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

erisinfo.com | Environmental Risk Information Services

Federal

**NPCB** 

NPRI

OGWE

Federal Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect

Private

Provincial

OOGW

ORD

PAP

PCFT

PES

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

Private

Provincial

Federal Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites.

Provincial

Provincial

PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an

## Order No: 20290200512

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

Wastewater Discharger Registration Database:

(approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Nov 2019

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

Government Publication Date: 1999-Jan 31, 2020

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-Jul 2020 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 /

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.

## Retail Fuel Storage Tanks:

## Scott's Manufacturing Directory:

or propane storage tanks.

## are included in this database.

Government Publication Date: 1992-Mar 2011\*

#### **Ontario Spills:**

# List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location

Provincial 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

Provincial

Private

Provincial

Provincial

erisinfo.com | Environmental Risk Information Services

#### Private and Retail Fuel Storage Tanks:

#### take water. Government Publication Date: 1994-Jul 31, 2020

Provincial Ontario Regulation 347 Waste Receivers Summary: 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.

storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety

Government Publication Date: 1989-1996\*

Government Publication Date: 1986-2016

Record of Site Condition:

Authority (TSSA).

Permit to Take Water:

#### 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

### Provincial

PRT

**PTTW** 

REC

RSC

SCT

SPL

SRDS

#### Anderson's Storage Tanks:

#### 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:

## Government Publication Date: 1970-Aug 2018

#### Variances for Abandonment of Underground Storage Tanks:

#### from this code requirement. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

#### Waste Disposal Sites - MOE CA Inventory:

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.

province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered

Government Publication Date: Oct 2011-JuL 31, 2020

#### Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

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:

73

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: Apr 30, 2020

Provincial

Provincial

Private

## Federal

Provincial

Provincial

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

VAR Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the

Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

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

WDS

WDSH

**WWIS** 

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands,

TCFT

TANK

# 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.

<u>Map Key:</u> 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.'

<u>Unplottables:</u> 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.

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## PHASE I ENVIRONMENTAL SITE ASSESSMENT 2830 CARLING AND 810 VICK AVENUE, OTTAWA, ONTARIO



# **APPENDIX C – CORRESPONDANCE**

# McINTOSH PERRY



File Number: D06-03-20-0160

October 2, 2020

Monica Black McIntosh Perry Consulting Engineers Ltd. 115 Walgreen Road Carp, ON K0A 1L0

Sent via email [m.black@mcintoshperry.com]

Dear Ms. Black,

## Re: Information Request 2830 Carling Avenue, Ottawa, Ontario ("Subject Property")

## **Internal Department Circulation**

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

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

## Search of Historical Land Use Inventory

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

A search of the HLUI database revealed the following information:

• There are no activities associated with the Subject Property.

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

• There are 5 activities associated with 12 properties located within 250m of the Subject Property.

Please note that certain activities have been identified to have a PIN Certainty of "2". This identifier acknowledges that there is some uncertainty about the exact location of the land

Shaping our future together Ensemble, formons notre avenir City of Ottawa Planning, Infrastructure and Economic Development Department

110 Laurier Avenue West, 4th Floor Ottawa, ON K1P 1J1 Tel: (613) 580-2424 ext. 21690 Fax: (613) 560-6006 www.ottawa.ca Ville d'Ottawa Services de la planification, de l'infrastructure et du développement économique

110, avenue Laurier Ouest, 4e étage Ottawa (Ontario) K1P 1J1 Tél.: (613) 580-2424 ext. 21690 Téléc: (613) 560-6006 www.ottawa.ca use activity and that the activity may or may not have been located on the property. All database entries with a PIN Certainty of "2" require independent verification as to their precise location.

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

Additional information may be obtained by contacting:

## Ontario's Environmental Registry

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

## The Ontario Land Registry Office

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

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

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

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

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

If you have any further questions or comments, please contact Colette Gorni at 613-580-2424 ext. 21239 or HLUI@ottawa.ca

Sincerely,

Hitte Govi

Colette Gorni

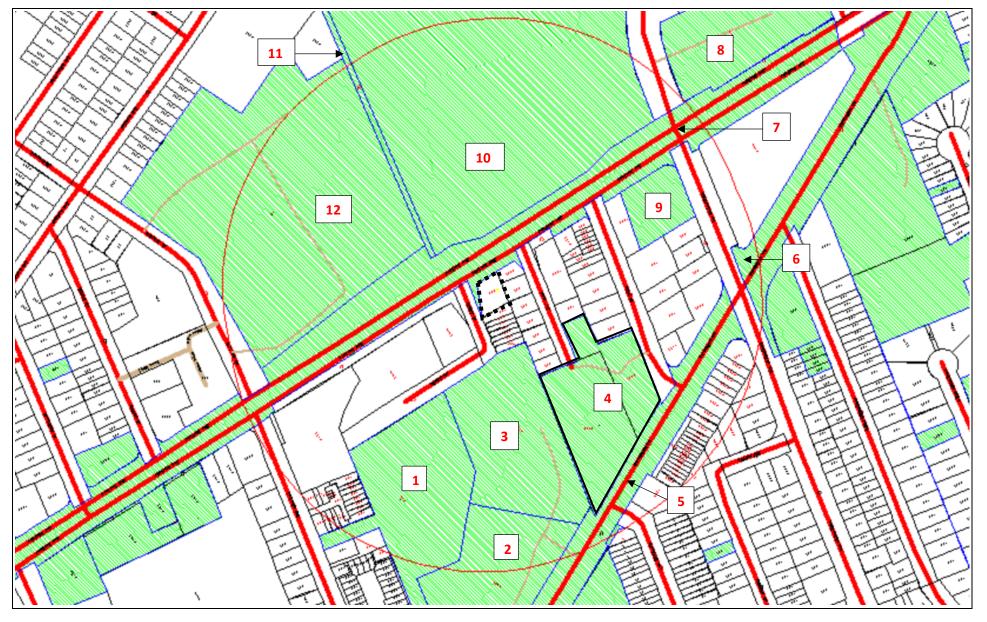
Per:

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

MB / CG

Enclosures.

cc: File no. D06-03-20-0160



| Ottawa  | Address:     | 2830 Carling Avenue<br>Ottawa, ON | Legend: | 00      | Area Number<br>Subject Site |
|---------|--------------|-----------------------------------|---------|---------|-----------------------------|
| ¶Ottawa | File No.:    | D06-03-20-0160                    |         |         | 250 m Buffer                |
|         | Prepared By: | Colette Gorni                     | Scale:  | 1 : N// | A                           |



| Area                | Associated HLUI Activities | Associated HLUI Activities with a<br>PIN Certainty of "2" * |
|---------------------|----------------------------|---|
| Subject<br>Property |                            |   |
| 1                   | 14509                      |   |
| 2                   | 14509                      |   |
| 3                   | 14509                      |   |
| 4                   | 8225                       |   |
| 5                   | 14509                      |   |
| 6                   |                            | 1927  |
| 7                   | 14509                      |   |
| 8                   |                            | 13773   |
| 9                   | 13090                      |   |
| 10                  | 14509                      |   |
| 11                  | 14509                      |   |
| 12                  | 14509                      |   |

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



Planning, Infrastructure and Economic Development Department Services de la planification, de l'infrastructure et du développement économique

# Historical Land Use Inventory

Activity Numbers – Adjacent Properties



Planning, Infrastructure and Economic Development Department Services de la planification, de l'infrastructure et du développement économique

# Historical Land Use Inventory Area #1 Activity Numbers



RPTC\_OT\_DEV0122

Report:

Run On:

| Study Year<br>1998 |                          | <b>PIN</b><br>039430037  | Multi-NAIC<br>N   | Multiple Activities<br>N  |
|--------------------|--------------------------|--|---|---|
| Activity ID:       | 14509                    | Multiple PINS:   | Ν   |   |
| PIN Certainty:     | 1                        | Previous Activity  | 5772, 5774, 5837, 5<br>5853, 5854, 5855, 5<br>5872, 5874, 5875, 5 | 5754, 5762, 5767, 5769, 5770,<br>5838, 5840, 5846, 5849, 5852,<br>5856, 5861, 5869, 5870, 5871,<br>5884, 5886, 5887, 5889, 5890,<br>5899, 5893, 5901, 5903, 5907, |
| Related PINS:      | 045660173                |  |   |   |
| Name:              | UNNAMED                  | ) SAND/GRAVEL PIT  |   |   |
| Address:           | , WEST CA                | ARLETON  |   |   |
| Facility Type:     | Sand and (               | Gravel Pits  |   |   |
| Comments 1:        | UTM = 419                | ITM = 419300E, 5034300N. Area is 150m x 100m.  |   |   |
| Comments 2:        |                          |  |   |   |
| Generator Number:  | :                        |  |   |   |
| Storage Tanks:     |                          |  |   |   |
| HL References 1:   | 1985-EMR-8               | TM-Ottawa-Sheet#14, 1948-DND-ASE<br>SMB-NTS-31G/5-11th ed.; 1951-DND-<br>SMB-NTS-31G/4-6th ed., 1979-EMR-S | -ASE-NTS-31G/4E-4th ed., 1966-EMI                                 |   |
| HL References 2:   | 1951-DND-A               | ASE-NTS-31F/8E-3rd ed., 1964-EMR-<br>CCM-NTS-31F/8-8th ed.   |   | SMB-NTS-31F/8-7th ed.,  |
| HL References 3:   | 1999-EMR-0<br>1991-WDSI/ |  |   |   |
| NAICS              | SIC                      |  |   |   |
| 221330             | 499                      |  |   |   |
| 562990             | 499                      |  |   |   |
| 221320             | 499                      |  |   |   |
| 562920             | 499                      |  |   |   |
| 212323             | 82                       |  |   |   |



Report:

Run On:

RPTC\_OT\_DEV0122

| Study Year PI | N Multi-NA | IC Multiple Activities |  |
|---------------|------------|------------------------|--|
| 1998 03       | 9430037 N  | N                      |  |

| Company Name            | Year of Operation |
|-------------------------|-------------------|
| Unnamed Sand/Gravel Pit | c. 1975           |
| Unamed Sand/Gravel Pit  | c. 1975-1979      |
| Unnamed Sand/Gravel Pit | c. 1948           |
| Unnamed Sand/Gravel Pit | c. 1964-1976      |
| Unnamed Sand/Gravel Pit | c. 1922-1948      |
| Unamed Sand/Gravel Pit  | c. 12966-1979     |
| Unamed Sand/Gravel Pit  | c. 1975           |
| Unnamed Sand/Gravel Pit | c. 1976-1989      |
| Unnamed sand/Gravel Pit | c. 1989           |
| Unnamed Sand/Gravel Pit | c. 1975-1979      |
| Unnamed Sand/Gravel Pit | c. 1985           |
| Unamed Sand/Gravel Pit  | c. 1966           |
| Unnamed Sand/Gravel Pit | c. 1976           |
| Unnamed Sand/Gravel Pit | c. 1951           |
| Unnamed Sand/Gravel Pit | c. 1966           |
| Unnamed Sand/Gravel Pit | c. 1966-1979      |
| Unnamed Sand/Gravel Pit | c. 1951-1976      |
| Unamed Sand/Gravel Pit  | c. 1979           |
| Unnamed Sand/Gravel Pit | c. 1971-1979      |
| UNNAMED SAND/GRAVEL PIT | c. 1994           |
| Unnamed Sand/Gravel Pit | c. 1967           |
| Unnamed Sand/Gravel Pit | c. 1948-1967      |
| Unamed Sand/Gravel Pit  | c. 1951-1979      |
| Unnamed Sand/Gravel Pit | c. 1951-1979      |
| Unnamed Sand/Gravel Pit | c. 1953-1971      |
| Unnamed Sand/Gravel Pit | c. 1967-1985      |
| Unamed Sand/Gravel Pit  | c. 1951           |
| Unamed Sand/Gravel Pit  | c. 1966-1979      |
| Unnamed Sand/Gravel Pit | c. 1966-1975      |
| Unamed Sand/Gravel Pit  | c. 1966-1975      |
| Unnamed Sand/Gravel Pit | c. 1989           |
| Waste Disposal Site     | c. 1971           |



RPTC\_OT\_DEV0122 22 Sep 2020 at: 18:24:10

| Study Year | PIN       | Multi-NAIC | Multiple Activities |
|------------|-----------|------------|---------------------|
| 1998       | 039430037 | Ν          | N                   |
|            |           |            |                     |

Unnamed Sand/Gravel Pit

c. 1964-1989

Report: Run On:



Planning, Infrastructure and Economic Development Department Services de la planification, de l'infrastructure et du développement économique

# Historical Land Use Inventory Area #2 Activity Numbers



Report: RPTC\_OT\_DEV0122

Run On:

| Study Year1998Activity ID:14509PIN Certainty:1 | PIN<br>039430038<br>Multiple PINS:<br>Previous Activit   | Multi-NAIC<br>N   | Multiple Activities<br>N  |
|--|--|---|---|
|  |  |   |   |
| PIN Certainty: 1                               | Previous Activit   | 5801 5751 5752 F  |   |
|  |  | 5772, 5774, 5837, 5<br>5853, 5854, 5855, 5<br>5872, 5874, 5875, 5 | 5754, 5762, 5767, 5769, 5770,<br>5838, 5840, 5846, 5849, 5852,<br>5856, 5861, 5869, 5870, 5871,<br>5884, 5886, 5887, 5889, 5890,<br>5899, 5893, 5901, 5903, 5907, |
| Related PINS: 0456601                          | 73   |   |   |
| Name: UNNAM                                    | ED SAND/GRAVEL PIT   |   |   |
| Address: , WEST                                | , WEST CARLETON  |   |   |
| Facility Type: Sand ar                         | d Gravel Pits  |   |   |
| Comments 1: UTM =                              | 19300E, 5034300N. Area is 150m   | n x 100m.   |   |
| Comments 2:                                    |  |   |   |
| Generator Number:                              |  |   |   |
| Storage Tanks:                                 |  |   |   |
| 1985-EN  | D-TM-Ottawa-Sheet#14, 1948-DND-AS<br>R-SMB-NTS-31G/5-11th ed.; 1951-DNI<br>R-SMB-NTS-31G/4-6th ed., 1979-EMR | D-ASE-NTS-31G/4E-4th ed., 1966-EM                                 |   |
| HL References 2: 1951-DN                       | D-ASE-NTS-31F/8E-3rd ed., 1964-EMF<br>R-CCM-NTS-31F/8-8th ed.  |   | SMB-NTS-31F/8-7th ed.,  |
|  | SI/WMB/MOE   |   |   |
| NAICS SIC                                      |  |   |   |
| 221330 499                                     |  |   |   |
| 562990 499                                     |  |   |   |
| 221320 499                                     |  |   |   |
| 562920 499                                     |  |   |   |
| 212323 82<br>562210 499                        |  |   |   |



| Study Year | PIN       | Multi-NAIC | Multiple Activities |
|------------|-----------|------------|---------------------|
| 1998       | 039430038 | Ν          | N                   |

| Company Name            | Year of Operation |
|-------------------------|-------------------|
| Unnamed Sand/Gravel Pit | c. 1975           |
| Unamed Sand/Gravel Pit  | c. 1975-1979      |
| Unnamed Sand/Gravel Pit | c. 1948           |
| Unnamed Sand/Gravel Pit | c. 1964-1976      |
| Unnamed Sand/Gravel Pit | c. 1922-1948      |
| Unamed Sand/Gravel Pit  | c. 12966-1979     |
| Unamed Sand/Gravel Pit  | c. 1975           |
| Unnamed Sand/Gravel Pit | c. 1976-1989      |
| Unnamed sand/Gravel Pit | c. 1989           |
| Unnamed Sand/Gravel Pit | c. 1975-1979      |
| Unnamed Sand/Gravel Pit | c. 1985           |
| Unamed Sand/Gravel Pit  | c. 1966           |
| Unnamed Sand/Gravel Pit | c. 1976           |
| Unnamed Sand/Gravel Pit | c. 1951           |
| Unnamed Sand/Gravel Pit | c. 1966           |
| Unnamed Sand/Gravel Pit | c. 1966-1979      |
| Unnamed Sand/Gravel Pit | c. 1951-1976      |
| Unamed Sand/Gravel Pit  | c. 1979           |
| Unnamed Sand/Gravel Pit | c. 1971-1979      |
| UNNAMED SAND/GRAVEL PIT | c. 1994           |
| Unnamed Sand/Gravel Pit | c. 1967           |
| Unnamed Sand/Gravel Pit | c. 1948-1967      |
| Unamed Sand/Gravel Pit  | c. 1951-1979      |
| Unnamed Sand/Gravel Pit | c. 1951-1979      |
| Unnamed Sand/Gravel Pit | c. 1953-1971      |
| Unnamed Sand/Gravel Pit | c. 1967-1985      |
| Unamed Sand/Gravel Pit  | c. 1951           |
| Unamed Sand/Gravel Pit  | c. 1966-1979      |
| Unnamed Sand/Gravel Pit | c. 1966-1975      |
| Unamed Sand/Gravel Pit  | c. 1966-1975      |
| Unnamed Sand/Gravel Pit | c. 1989           |
| Waste Disposal Site     | c. 1971           |

MAP Report Ver: 1

RPTC\_OT\_DEV0122

Report: Run On:



**CITY OF OTTAWA** 

HLUI ID: \_\_679G7N

AREA (Square Metres): 14642.942

Study YearPINMulti-NAICMultiple Activities1998039430038NN

Unnamed Sand/Gravel Pit

c. 1964-1989

Report:

Run On:

RPTC\_OT\_DEV0122



Planning, Infrastructure and Economic Development Department Services de la planification, de l'infrastructure et du développement économique

# Historical Land Use Inventory Area #3 Activity Numbers



Report: RPTC\_OT\_DEV0122

Run On:

| Study Year<br>1998 |             | <b>PIN</b><br>152680000   | Multi-NAIC<br>N   | Multiple Activities<br>N  |
|--------------------|-------------|---|---|---|
| Activity ID:       | 14509       | Multiple PINS:  | Ν   |   |
| PIN Certainty:     | 1           | Previous Activity ID(   | 5772, 5774, 5837, 5<br>5853, 5854, 5855, 5<br>5872, 5874, 5875, 5 | 5754, 5762, 5767, 5769, 5770,<br>5838 ,5840, 5846, 5849, 5852,<br>5856, 5861, 5869, 5870, 5871,<br>5884, 5886, 5887, 5889, 5890,<br>5899, 5893, 5901, 5903, 5907, |
| Related PINS:      | 045660173   |   |   |   |
| Name:              | UNNAME      | ) SAND/GRAVEL PIT   |   |   |
| Address:           | , WEST CA   | ARLETON   |   |   |
| Facility Type:     | Sand and    | Gravel Pits   |   |   |
| Comments 1:        | UTM = 419   | 9300E, 5034300N. Area is 150m x 10  | 00m.  |   |
| Comments 2:        |             |   |   |   |
| Generator Number   | :           |   |   |   |
| Storage Tanks:     |             |   |   |   |
| HL References 1:   | 1985-EMR-\$ | TM-Ottawa-Sheet#14, 1948-DND-ASE-NT<br>SMB-NTS-31G/5-11th ed.; 1951-DND-ASE<br>SMB-NTS-31G/4-6th ed., 1979-EMR-SMB- | -NTS-31G/4E-4th ed., 1966-EM                                      |   |
| HL References 2:   | 1951-DND-/  | ASE-NTS-31F/8E-3rd ed., 1964-EMR-SMB<br>CCM-NTS-31F/8-8th ed.   |   | -SMB-NTS-31F/8-7th ed.,   |
| HL References 3:   | 1991-WDSI/  |   |   |   |
| NAICS              | SIC         |   |   |   |
| 221330             | 499         |   |   |   |
| 562990             | 499         |   |   |   |
| 221320             | 499         |   |   |   |
| 562920             | 499         |   |   |   |
| 212323             | 82          |   |   |   |



#### **CITY OF OTTAWA**

HLUI ID: \_\_670IM3

Report: Run On: RPTC\_OT\_DEV0122

| AREA (Se | quare Met | tres): 1 | 5261.970 |
|----------|-----------|----------|----------|
|----------|-----------|----------|----------|

| 1998 152680000 N N |  |
|--------------------|--|
| 1998 152680000 N N |  |

| Company Name            | Year of Operation |
|-------------------------|-------------------|
| Unnamed Sand/Gravel Pit | c. 1975           |
| Unamed Sand/Gravel Pit  | c. 1975-1979      |
| Unnamed Sand/Gravel Pit | c. 1948           |
| Unnamed Sand/Gravel Pit | c. 1964-1976      |
| Unnamed Sand/Gravel Pit | c. 1922-1948      |
| Unamed Sand/Gravel Pit  | c. 12966-1979     |
| Unamed Sand/Gravel Pit  | c. 1975           |
| Unnamed Sand/Gravel Pit | c. 1976-1989      |
| Unnamed sand/Gravel Pit | c. 1989           |
| Unnamed Sand/Gravel Pit | c. 1975-1979      |
| Unnamed Sand/Gravel Pit | c. 1985           |
| Unamed Sand/Gravel Pit  | c. 1966           |
| Unnamed Sand/Gravel Pit | c. 1976           |
| Unnamed Sand/Gravel Pit | c. 1951           |
| Unnamed Sand/Gravel Pit | c. 1966           |
| Unnamed Sand/Gravel Pit | c. 1966-1979      |
| Unnamed Sand/Gravel Pit | c. 1951-1976      |
| Unamed Sand/Gravel Pit  | c. 1979           |
| Unnamed Sand/Gravel Pit | c. 1971-1979      |
| UNNAMED SAND/GRAVEL PIT | c. 1994           |
| Unnamed Sand/Gravel Pit | c. 1967           |
| Unnamed Sand/Gravel Pit | c. 1948-1967      |
| Unamed Sand/Gravel Pit  | c. 1951-1979      |
| Unnamed Sand/Gravel Pit | c. 1951-1979      |
| Unnamed Sand/Gravel Pit | c. 1953-1971      |
| Unnamed Sand/Gravel Pit | c. 1967-1985      |
| Unamed Sand/Gravel Pit  | c. 1951           |
| Unamed Sand/Gravel Pit  | c. 1966-1979      |
| Unnamed Sand/Gravel Pit | c. 1966-1975      |
| Unamed Sand/Gravel Pit  | c. 1966-1975      |
| Unnamed Sand/Gravel Pit | c. 1989           |
| Waste Disposal Site     | c. 1971           |



RPTC\_OT\_DEV0122

22 Sep 2020 at: 18:24:58

| 1998 152680000 N N | Study Year | PIN       | Multi-NAIC | Multiple Activities |
|--------------------|------------|-----------|------------|---------------------|
|                    | 1998       | 152680000 | Ν          | N                   |

Unnamed Sand/Gravel Pit

c. 1964-1989

Report: Run On:



# Historical Land Use Inventory Area #4 Activity Numbers



Report:

Run On: 22 Sep 2020 at: 18:26:23

RPTC\_OT\_DEV0122

| Study Year | <b>PIN</b> | Multi-NAIC | Multiple Activities |
|------------|------------|------------|---------------------|
| 2005       | 039430016  | Y          | N                   |
|            |            |            |                     |

| Activity ID:                                 | 8225                              | Multiple PINS:               | Ν |
|--|-----------------------------------|------------------------------|---|
| PIN Certainty:                               | 1                                 | Previous Activity ID(s) :    |   |
| Related PINS:                                | 039430016                         |                              |   |
| Name:<br>Address:                            | MANTON YACHT S<br>2841 RICHMOND F |                              |   |
| Facility Type:<br>Comments 1:<br>Comments 2: | Service Industries In<br>#303     | ncidental to Water Transport |   |
| Generator Number<br>Storage Tanks:           | Ţ                                 |                              |   |
| HL References 1:<br>HL References 2:         |                                   |                              |   |
| HL References 3:                             | 2005 Select Phone                 |                              |   |
| NAICS  | SIC                               |                              |   |
| 532410<br>488390<br>488332                   | 0<br>0<br>0                       |                              |   |

### **Company Name**

MANTON YACHT SVC

Year of Operation

c. 2005



# Historical Land Use Inventory Area #5 Activity Numbers



Report: RPTC\_OT\_DEV0122

Run On:

22 Sep 2020 at: 18:27:37

| Study Year<br>1998 |           | <b>PIN</b><br>039430049   | Multi-NAIC<br>N   | Multiple Activities   |
|--------------------|-----------|---|---|---|
| Activity ID:       | 14509     | Multiple PINS:  | Ν   |   |
| PIN Certainty:     | 1         | Previous Activity ID(   | 5772, 5774, 5837,<br>5853, 5854, 5855,<br>5872, 5874, 5875, | 5754, 5762, 5767, 5769, 5770,<br>5838, 5840, 5846, 5849, 5852,<br>5856, 5861, 5869, 5870, 5871,<br>5884, 5886, 5887, 5889, 5890,<br>5899, 5893, 5901, 5903, 5907, |
| Related PINS:      | 045660173 |   |   |   |
| Name:              | UNNAMEI   | D SAND/GRAVEL PIT   |   |   |
| Address:           | , WEST C  | ARLETON   |   |   |
| Facility Type:     | Sand and  | Gravel Pits   |   |   |
| Comments 1:        | UTM = 41  | 9300E, 5034300N. Area is 150m x 10  | 00m.  |   |
| Comments 2:        |           |   |   |   |
| Generator Number   |           |   |   |   |
| Storage Tanks:     |           |   |   |   |
| HL References 1:   | 1985-EMR- | TM-Ottawa-Sheet#14, 1948-DND-ASE-NT<br>SMB-NTS-31G/5-11th ed.; 1951-DND-ASE<br>SMB-NTS-31G/4-6th ed., 1979-EMR-SMB- | -NTS-31G/4E-4th ed., 1966-EN                                |   |
| HL References 2:   | 1951-DND- | ASE-NTS-31F/8E-3rd ed., 1964-EMR-SMB<br>CCM-NTS-31F/8-8th ed.   |   | R-SMB-NTS-31F/8-7th ed.,  |
| HL References 3:   |           | /WMB/MOE  |   |   |
| NAICS              | SIC       |   |   |   |
| 221330             | 499       |   |   |   |
| 562990             | 499       |   |   |   |
| 221320             | 499       |   |   |   |
| 562920             | 499       |   |   |   |
| 212323             | 82        |   |   |   |
| 562210             | 499       |   |   |   |



### **CITY OF OTTAWA**

HLUI ID: \_\_670INR

Report:

Run On:

RPTC\_OT\_DEV0122

22 Sep 2020 at: 18:27:37

| AREA ( | Square | Metres | ):       | 16775.796 |
|--------|--------|--------|----------|-----------|
|        | Oqualc | men co | <i>.</i> | 10110.130 |

| 1998 039430049 N N | 5 |
|--------------------|---|
|                    |   |

| Company Name            | Year of Operation |
|-------------------------|-------------------|
| Unnamed Sand/Gravel Pit | c. 1975           |
| Unamed Sand/Gravel Pit  | c. 1975-1979      |
| Unnamed Sand/Gravel Pit | c. 1948           |
| Unnamed Sand/Gravel Pit | c. 1964-1976      |
| Unnamed Sand/Gravel Pit | c. 1922-1948      |
| Unamed Sand/Gravel Pit  | c. 12966-1979     |
| Unamed Sand/Gravel Pit  | c. 1975           |
| Unnamed Sand/Gravel Pit | c. 1976-1989      |
| Unnamed sand/Gravel Pit | c. 1989           |
| Unnamed Sand/Gravel Pit | c. 1975-1979      |
| Unnamed Sand/Gravel Pit | c. 1985           |
| Unamed Sand/Gravel Pit  | c. 1966           |
| Unnamed Sand/Gravel Pit | c. 1976           |
| Unnamed Sand/Gravel Pit | c. 1951           |
| Unnamed Sand/Gravel Pit | c. 1966           |
| Unnamed Sand/Gravel Pit | c. 1966-1979      |
| Unnamed Sand/Gravel Pit | c. 1951-1976      |
| Unamed Sand/Gravel Pit  | c. 1979           |
| Unnamed Sand/Gravel Pit | c. 1971-1979      |
| UNNAMED SAND/GRAVEL PIT | c. 1994           |
| Unnamed Sand/Gravel Pit | c. 1967           |
| Unnamed Sand/Gravel Pit | c. 1948-1967      |
| Unamed Sand/Gravel Pit  | c. 1951-1979      |
| Unnamed Sand/Gravel Pit | c. 1951-1979      |
| Unnamed Sand/Gravel Pit | c. 1953-1971      |
| Unnamed Sand/Gravel Pit | c. 1967-1985      |
| Unamed Sand/Gravel Pit  | c. 1951           |
| Unamed Sand/Gravel Pit  | c. 1966-1979      |
| Unnamed Sand/Gravel Pit | c. 1966-1975      |
| Unamed Sand/Gravel Pit  | c. 1966-1975      |
| Unnamed Sand/Gravel Pit | c. 1989           |
| Waste Disposal Site     | c. 1971           |



**CITY OF OTTAWA** 

HLUI ID: \_\_670INR

AREA (Square Metres): 16775.796

Study Year **PIN** 039430049 Multiple Activities Multi-NAIC Ν

Unnamed Sand/Gravel Pit

c. 1964-1989

Report:

Run On:

RPTC\_OT\_DEV0122

22 Sep 2020 at: 18:27:37



# Historical Land Use Inventory Area #6 Activity Numbers



Report:

Run On: 22 Sep 2020 at: 18:28:51

RPTC\_OT\_DEV0122

| Study Year<br>1998 | <b>PIN</b><br>03959048   | 32                        | Multi-NAIC<br>Y | Multiple Activities |
|--------------------|--------------------------|---------------------------|-----------------|---------------------|
| Activity ID:       | 1927                     | Multiple PINS:            | Y               |                     |
| -                  |                          |                           |                 |                     |
| PIN Certainty:     | 2                        | Previous Activity ID(s) : | 5624            |                     |
| Related PINS:      | 039590090                |                           |                 |                     |
| Name:              | BROWN'S SHELL SEF        | RVICE STATION             |                 |                     |
| Address:           | RICHMOND ROAD, O         | TTAWA                     |                 |                     |
| Facility Type:     | Gasoline Service Station | ons                       |                 |                     |
| Comments 1:        |                          |                           |                 |                     |
| Comments 2:        |                          |                           |                 |                     |
| Generator Number   | <del>.</del>             |                           |                 |                     |
| Storage Tanks:     |                          |                           |                 |                     |
| HL References 1:   | M.1960, M.1970, M.1980   |                           |                 |                     |
| HL References 2:   |                          |                           |                 |                     |
| HL References 3:   |                          |                           |                 |                     |
| NAICS              | SIC                      |                           |                 |                     |
| 447190             | 633                      |                           |                 |                     |
| 447110             | 633                      |                           |                 |                     |
| 811199             | 633                      |                           |                 |                     |
|                    |                          |                           |                 |                     |

### **Company Name**

Brown's Shell Service Station

### Year of Operation

c. 1960



# Historical Land Use Inventory Area #7 Activity Numbers



Report: RPTC\_OT\_DEV0122

Run On:

22 Sep 2020 at: 18:30:28

|                    |                          | , ,  |   |  |
|--------------------|--------------------------|--|---|--|
| Study Year<br>1998 |                          | <b>PIN</b><br>042820318  | Multi-NAIC<br>N   | Multiple Activities  |
| Activity ID:       | 14509                    | Multiple PINS:   | Ν   |  |
| PIN Certainty:     | 1                        | Previous Activity ID(  | 5772, 5774, 5837, 5<br>5853, 5854, 5855, 5<br>5872, 5874, 5875, 5 | 754, 5762, 5767, 5769, 5770,<br>838 ,5840, 5846, 5849, 5852,<br>856, 5861, 5869, 5870, 5871,<br>884, 5886, 5887, 5889, 5890,<br>899, 5893, 5901, 5903, 5907, |
| Related PINS:      | 045660173                |  |   |  |
| Name:              | UNNAMED                  | SAND/GRAVEL PIT  |   |  |
| Address:           | , WEST CA                | RLETON   |   |  |
| Facility Type:     | Sand and C               | Gravel Pits  |   |  |
| Comments 1:        | UTM = 419                | 300E, 5034300N. Area is 150m x 10  | 00m.  |  |
| Comments 2:        |                          | ,  |   |  |
| Generator Number   | :                        |  |   |  |
| Storage Tanks:     |                          |  |   |  |
| HL References 1:   | 1985-EMR-S               | TM-Ottawa-Sheet#14, 1948-DND-ASE-NT<br>SMB-NTS-31G/5-11th ed.; 1951-DND-ASE<br>SMB-NTS-31G/4-6th ed., 1979-EMR-SMB | E-NTS-31G/4E-4th ed., 1966-EMI                                    |  |
| HL References 2:   | 1951-DND-A               | SE-NTS-31F/8E-3rd ed., 1964-EMR-SME  |   | SMB-NTS-31F/8-7th ed.,   |
| HL References 3:   | 1989-EMR-C<br>1991-WDSI/ | CCM-NTS-31F/8-8th ed.<br>WMB/MOE   |   |  |
| NAICS              | SIC                      |  |   |  |
| 221330             | 499                      |  |   |  |
| 562990             | 499                      |  |   |  |
| 221320             | 499                      |  |   |  |
| 562920             | 499                      |  |   |  |
| 212323             | 82                       |  |   |  |
| 562210             | 499                      |  |   |  |



RPTC\_OT\_DEV0122 Report: Run On: 22 Sep 2020 at: 18:30:28

| Study Year | PIN       | Multi-NAIC | Multiple Activities |
|------------|-----------|------------|---------------------|
| 1998       | 042820318 | Ν          | N                   |
|            |           |            |                     |

| Company Name            | Year of Operation |
|-------------------------|-------------------|
| Unnamed Sand/Gravel Pit | c. 1975           |
| Unamed Sand/Gravel Pit  | c. 1975-1979      |
| Unnamed Sand/Gravel Pit | c. 1948           |
| Unnamed Sand/Gravel Pit | c. 1964-1976      |
| Unnamed Sand/Gravel Pit | c. 1922-1948      |
| Unamed Sand/Gravel Pit  | c. 12966-1979     |
| Unamed Sand/Gravel Pit  | c. 1975           |
| Unnamed Sand/Gravel Pit | c. 1976-1989      |
| Unnamed sand/Gravel Pit | c. 1989           |
| Unnamed Sand/Gravel Pit | c. 1975-1979      |
| Unnamed Sand/Gravel Pit | c. 1985           |
| Unamed Sand/Gravel Pit  | c. 1966           |
| Unnamed Sand/Gravel Pit | c. 1976           |
| Unnamed Sand/Gravel Pit | c. 1951           |
| Unnamed Sand/Gravel Pit | c. 1966           |
| Unnamed Sand/Gravel Pit | c. 1966-1979      |
| Unnamed Sand/Gravel Pit | c. 1951-1976      |
| Unamed Sand/Gravel Pit  | c. 1979           |
| Unnamed Sand/Gravel Pit | c. 1971-1979      |
| UNNAMED SAND/GRAVEL PIT | c. 1994           |
| Unnamed Sand/Gravel Pit | c. 1967           |
| Unnamed Sand/Gravel Pit | c. 1948-1967      |
| Unamed Sand/Gravel Pit  | c. 1951-1979      |
| Unnamed Sand/Gravel Pit | c. 1951-1979      |
| Unnamed Sand/Gravel Pit | c. 1953-1971      |
| Unnamed Sand/Gravel Pit | c. 1967-1985      |
| Unamed Sand/Gravel Pit  | c. 1951           |
| Unamed Sand/Gravel Pit  | c. 1966-1979      |
| Unnamed Sand/Gravel Pit | c. 1966-1975      |
| Unamed Sand/Gravel Pit  | c. 1966-1975      |
| Unnamed Sand/Gravel Pit | c. 1989           |
| Waste Disposal Site     | c. 1971           |



RPTC\_OT\_DEV0122 Report: Run On: 22 Sep 2020 at: 18:30:28

| Study Year | PIN       | Multi-NAIC | Multiple Activities |
|------------|-----------|------------|---------------------|
| 1998       | 042820318 | Ν          | N                   |
|            |           |            |                     |

Unnamed Sand/Gravel Pit

c. 1964-1989



# Historical Land Use Inventory Area #8 Activity Numbers



Report:

Run On: 22 Sep 2020 at: 18:30:47

RPTC\_OT\_DEV0122

| Study Year<br>1998 | <b>PIN</b><br>150680000                   |                                | Multi-NAIC<br>Y | Multiple Activities<br>N |
|--------------------|---|--------------------------------|-----------------|--------------------------|
| Activity ID:       | 13773                                     | Multiple PINS:                 | Ν               |                          |
| PIN Certainty:     | 2   | ·<br>Previous Activity ID(s) : | 5709            |                          |
| Related PINS:      | 150680000                                 |                                |                 |                          |
| Name:<br>Address:  | UNNAMED GASOLINE S<br>2750 CARLING AVENUE |                                |                 |                          |
| Facility Type:     | Gasoline Service Station                  |                                |                 |                          |
| Comments 1:        |   |                                |                 |                          |
| Comments 2:        |   |                                |                 |                          |
| Generator Number:  |   |                                |                 |                          |
| Storage Tanks:     | Three USTs                                |                                |                 |                          |
| HL References 1:   | M.1957; FIP1957-403-2283,                 | vol4                           |                 |                          |
| HL References 2:   |   |                                |                 |                          |
| HL References 3:   |   |                                |                 |                          |
| NAICS              | SIC                                       |                                |                 |                          |
| 447110 6           | 533                                       |                                |                 |                          |
|                    | 533                                       |                                |                 |                          |
| 811199 6           | 533                                       |                                |                 |                          |

### **Company Name**

Unnamed Gasoline Service Station

### Year of Operation

c. 1957



# Historical Land Use Inventory Area #9 Activity Numbers



Report:

Run On: 22 Sep 2020 at: 18:31:17

RPTC\_OT\_DEV0122

| Study Year | <b>PIN</b> | Multi-NAIC | Multiple Activities |
|------------|------------|------------|---------------------|
| 2005       | 039430001  | N          | N                   |
|            |            |            |                     |

| Activity ID:  | 13090          | Multiple PINS:  | Ν            |
|---|----------------|---|--------------|
| PIN Certainty:  | 1              | Previous Activity ID(s  | ;):          |
| Related PINS:   | 039430001      |   |              |
| Name:<br>Address:<br>Facility Type:<br>Comments 1:<br>Comments 2:<br>Generator Number<br>Storage Tanks:<br>HL References 1: | Motion Picture | DUCTION<br>ST ROAD, OTTAWA<br>Laboratories and Video Production | n Facilities |
| HL References 2:  |                |   |              |
| HL References 3:  | 2001 Employmer | nt Survey   |              |
| NAICS   | SIC            |   |              |
| 512110  | 0              |   |              |
|   |                |   |              |
| Company Name  | )              |   | Year of Oper |

SPIESS PRODUCTION

eration

c. 2001



# Historical Land Use Inventory Area #10 Activity Numbers



Report: RPTC\_OT\_DEV0122

Run On:

22 Sep 2020 at: 18:33:15

| Study Year<br>1998 |                           | <b>PIN</b><br>042820319  | Multi-NAIC<br>N   | Multiple Activities   |
|--------------------|---------------------------|--|---|---|
| Activity ID:       | 14509                     | Multiple PINS:   | Ν   |   |
| PIN Certainty:     | 1                         | Previous Activity ID(s)  | 5772, 5774, 5837, 5<br>5853, 5854, 5855, 5<br>5872, 5874, 5875, 5 | 5754, 5762, 5767, 5769, 5770,<br>5838 ,5840, 5846, 5849, 5852,<br>5856, 5861, 5869, 5870, 5871,<br>5884, 5886, 5887, 5889, 5890,<br>5899, 5893, 5901, 5903, 5907, |
| Related PINS:      | 045660173                 |  |   |   |
| Name:              | UNNAMED                   | SAND/GRAVEL PIT  |   |   |
| Address:           | , WEST CA                 | RLETON   |   |   |
| Facility Type:     | Sand and G                | Gravel Pits  |   |   |
| Comments 1:        | UTM = 419                 | 300E, 5034300N. Area is 150m x 100n  | n.  |   |
| Comments 2:        |                           |  |   |   |
| Generator Number   | :                         |  |   |   |
| Storage Tanks:     |                           |  |   |   |
| HL References 1:   | 1985-EMR-S                | M-Ottawa-Sheet#14, 1948-DND-ASE-NTS-3<br>MB-NTS-31G/5-11th ed.; 1951-DND-ASE-N<br>MB-NTS-31G/4-6th ed., 1979-EMR-SMB-N | TS-31G/4E-4th ed., 1966-EM  |   |
| HL References 2:   |                           | SE-NTS-31F/8E-3rd ed., 1964-EMR-SMB-N  | TS-31F/8-5th ed., 1976-EMR  | -SMB-NTS-31F/8-7th ed.,   |
| HL References 3:   | 1999-EMR-C<br>1991-WDSI/\ | CM-NTS-31F/8-8th ed.<br>WMB/MOE  |   |   |
| NAICS              | SIC                       |  |   |   |
| 221330             | 499                       |  |   |   |
| 562990             | 499                       |  |   |   |
| 221320             | 499                       |  |   |   |
| 562920             | 499                       |  |   |   |
| 212323             | 82                        |  |   |   |
| 562210             | 499                       |  |   |   |



Report: Run On: RPTC\_OT\_DEV0122

22 Sep 2020 at: 18:33:15

| Study Year | PIN       | Multi-NAIC | Multiple Activities |
|------------|-----------|------------|---------------------|
| 1998       | 042820319 | Ν          | N                   |

| Company Name            | Year of Operation |
|-------------------------|-------------------|
| Unnamed Sand/Gravel Pit | c. 1975           |
| Unamed Sand/Gravel Pit  | c. 1975-1979      |
| Unnamed Sand/Gravel Pit | c. 1948           |
| Unnamed Sand/Gravel Pit | c. 1964-1976      |
| Unnamed Sand/Gravel Pit | c. 1922-1948      |
| Unamed Sand/Gravel Pit  | c. 12966-1979     |
| Unamed Sand/Gravel Pit  | c. 1975           |
| Unnamed Sand/Gravel Pit | c. 1976-1989      |
| Unnamed sand/Gravel Pit | c. 1989           |
| Unnamed Sand/Gravel Pit | c. 1975-1979      |
| Unnamed Sand/Gravel Pit | c. 1985           |
| Unamed Sand/Gravel Pit  | c. 1966           |
| Unnamed Sand/Gravel Pit | c. 1976           |
| Unnamed Sand/Gravel Pit | c. 1951           |
| Unnamed Sand/Gravel Pit | c. 1966           |
| Unnamed Sand/Gravel Pit | c. 1966-1979      |
| Unnamed Sand/Gravel Pit | c. 1951-1976      |
| Unamed Sand/Gravel Pit  | c. 1979           |
| Unnamed Sand/Gravel Pit | c. 1971-1979      |
| UNNAMED SAND/GRAVEL PIT | c. 1994           |
| Unnamed Sand/Gravel Pit | c. 1967           |
| Unnamed Sand/Gravel Pit | c. 1948-1967      |
| Unamed Sand/Gravel Pit  | c. 1951-1979      |
| Unnamed Sand/Gravel Pit | c. 1951-1979      |
| Unnamed Sand/Gravel Pit | c. 1953-1971      |
| Unnamed Sand/Gravel Pit | c. 1967-1985      |
| Unamed Sand/Gravel Pit  | c. 1951           |
| Unamed Sand/Gravel Pit  | c. 1966-1979      |
| Unnamed Sand/Gravel Pit | c. 1966-1975      |
| Unamed Sand/Gravel Pit  | c. 1966-1975      |
| Unnamed Sand/Gravel Pit | c. 1989           |
| Waste Disposal Site     | c. 1971           |



RPTC\_OT\_DEV0122

22 Sep 2020 at: 18:33:15

| Study Year | PIN       | Multi-NAIC | Multiple Activities |
|------------|-----------|------------|---------------------|
| 1998       | 042820319 | Ν          | N                   |
|            |           |            |                     |

Unnamed Sand/Gravel Pit

c. 1964-1989

Report: Run On:



# Historical Land Use Inventory Area #11 Activity Numbers



Report: RPTC\_OT\_DEV0122

Run On:

22 Sep 2020 at: 18:33:33

| Study Year<br>1998 |             | <b>PIN</b><br>042820436   | Multi-NAIC<br>N   | Multiple Activities<br>N  |
|--------------------|-------------|---|---|---|
| Activity ID:       | 14509       | Multiple PINS:  | Ν   |   |
| PIN Certainty:     | 1           | Previous Activity ID(s) :   | 5772, 5774, 5837, 5<br>5853, 5854, 5855, 5<br>5872, 5874, 5875, 5 | 5754, 5762, 5767, 5769, 5770,<br>5838, 5840, 5846, 5849, 5852,<br>5856, 5861, 5869, 5870, 5871,<br>5884, 5886, 5887, 5889, 5890,<br>5899, 5893, 5901, 5903, 5907, |
| Related PINS:      | 045660173   |   |   |   |
| Name:              | UNNAMED     | SAND/GRAVEL PIT   |   |   |
| Address:           | , WEST CA   | RLETON  |   |   |
| Facility Type:     | Sand and G  | Gravel Pits   |   |   |
| Comments 1:        |             | 300E, 5034300N. Area is 150m x 100m   |   |   |
| Comments 2:        |             |   |   |   |
| Generator Number:  |             |   |   |   |
| Storage Tanks:     |             |   |   |   |
| HL References 1:   | 1985-EMR-S  | M-Ottawa-Sheet#14, 1948-DND-ASE-NTS-3<br>MB-NTS-31G/5-11th ed.; 1951-DND-ASE-NT<br>MB-NTS-31G/4-6th ed., 1979-EMR-SMB-NTS | S-31G/4E-4th ed., 1966-EM   |   |
| HL References 2:   | 1951-DND-A  | SE-NTS-31F/8E-3rd ed., 1964-EMR-SMB-NT<br>CM-NTS-31F/8-8th ed.  |   | SMB-NTS-31F/8-7th ed.,  |
| HL References 3:   | 1991-WDSI/V |   |   |   |
| NAICS              | SIC         |   |   |   |
| 221330             | 499         |   |   |   |
| 562990             | 499         |   |   |   |
| 221320             | 499         |   |   |   |
| 562920             | 499         |   |   |   |
| 212323             | 82          |   |   |   |



Report:

Run On:

RPTC\_OT\_DEV0122

22 Sep 2020 at: 18:33:33

| Study Year | PIN       | Multi-NAIC | Multiple Activities |
|------------|-----------|------------|---------------------|
| 1998       | 042820436 | Ν          | N                   |

| Company Name            | Year of Operation |
|-------------------------|-------------------|
| Unnamed Sand/Gravel Pit | c. 1975           |
| Unamed Sand/Gravel Pit  | c. 1975-1979      |
| Unnamed Sand/Gravel Pit | c. 1948           |
| Unnamed Sand/Gravel Pit | c. 1964-1976      |
| Unnamed Sand/Gravel Pit | c. 1922-1948      |
| Unamed Sand/Gravel Pit  | c. 12966-1979     |
| Unamed Sand/Gravel Pit  | c. 1975           |
| Unnamed Sand/Gravel Pit | c. 1976-1989      |
| Unnamed sand/Gravel Pit | c. 1989           |
| Unnamed Sand/Gravel Pit | c. 1975-1979      |
| Unnamed Sand/Gravel Pit | c. 1985           |
| Unamed Sand/Gravel Pit  | c. 1966           |
| Unnamed Sand/Gravel Pit | c. 1976           |
| Unnamed Sand/Gravel Pit | c. 1951           |
| Unnamed Sand/Gravel Pit | c. 1966           |
| Unnamed Sand/Gravel Pit | c. 1966-1979      |
| Unnamed Sand/Gravel Pit | c. 1951-1976      |
| Unamed Sand/Gravel Pit  | c. 1979           |
| Unnamed Sand/Gravel Pit | c. 1971-1979      |
| UNNAMED SAND/GRAVEL PIT | c. 1994           |
| Unnamed Sand/Gravel Pit | c. 1967           |
| Unnamed Sand/Gravel Pit | c. 1948-1967      |
| Unamed Sand/Gravel Pit  | c. 1951-1979      |
| Unnamed Sand/Gravel Pit | c. 1951-1979      |
| Unnamed Sand/Gravel Pit | c. 1953-1971      |
| Unnamed Sand/Gravel Pit | c. 1967-1985      |
| Unamed Sand/Gravel Pit  | c. 1951           |
| Unamed Sand/Gravel Pit  | c. 1966-1979      |
| Unnamed Sand/Gravel Pit | c. 1966-1975      |
| Unamed Sand/Gravel Pit  | c. 1966-1975      |
| Unnamed Sand/Gravel Pit | c. 1989           |
| Waste Disposal Site     | c. 1971           |



RPTC\_OT\_DEV0122

22 Sep 2020 at: 18:33:33

| Study Year | PIN       | Multi-NAIC | Multiple Activities |
|------------|-----------|------------|---------------------|
| 1998       | 042820436 | Ν          | N                   |
|            |           |            |                     |

Unnamed Sand/Gravel Pit

c. 1964-1989

Report: Run On:



# Historical Land Use Inventory Area #12 Activity Numbers



Report: RPTC\_OT\_DEV0122

Run On:

22 Sep 2020 at: 18:34:03

| Study Year<br>1998 |                           | <b>PIN</b><br>042820317  | Multi-NAIC<br>N   | Multiple Activities<br>N  |
|--------------------|---------------------------|--|---|---|
| Activity ID:       | 14509                     | Multiple PINS:   | Ν   |   |
| PIN Certainty:     | 1                         | Previous Activity ID(s   | 5772, 5774, 5837,<br>5853, 5854, 5855,<br>5872, 5874, 5875, | 5754, 5762, 5767, 5769, 5770,<br>5838, 5840, 5846, 5849, 5852,<br>5856, 5861, 5869, 5870, 5871,<br>5884, 5886, 5887, 5889, 5890,<br>5899, 5893, 5901, 5903, 5907, |
| Related PINS:      | 045660173                 |  |   |   |
| Name:              | UNNAMED                   | SAND/GRAVEL PIT  |   |   |
| Address:           | , WEST CA                 | RLETON   |   |   |
| Facility Type:     | Sand and G                | Gravel Pits  |   |   |
| Comments 1:        | UTM = 419                 | 300E, 5034300N. Area is 150m x 10  | 0m.   |   |
| Comments 2:        |                           |  |   |   |
| Generator Number:  |                           |  |   |   |
| Storage Tanks:     |                           |  |   |   |
| HL References 1:   | 1985-EMR-S                | M-Ottawa-Sheet#14, 1948-DND-ASE-NT<br>MB-NTS-31G/5-11th ed.; 1951-DND-ASE<br>MB-NTS-31G/4-6th ed., 1979-EMR-SMB- | -NTS-31G/4E-4th ed., 1966-EM                                |   |
| HL References 2:   | 1951-DND-A                | SE-NTS-31F/8E-3rd ed., 1964-EMR-SMB  |   | R-SMB-NTS-31F/8-7th ed.,  |
| HL References 3:   | 1989-EMR-C<br>1991-WDSI/\ | CCM-NTS-31F/8-8th ed.<br>WMB/MOE   |   |   |
| NAICS              | SIC                       |  |   |   |
| 221330             | 499                       |  |   |   |
| 562990             | 499                       |  |   |   |
| 221320             | 499                       |  |   |   |
| 562920             | 499                       |  |   |   |
| 212323             | 82                        |  |   |   |



| Study Year | PIN       | Multi-NAIC | Multiple Activities |
|------------|-----------|------------|---------------------|
| 1998       | 042820317 | Ν          | Ν                   |

| Company Name            | Year of Operation |
|-------------------------|-------------------|
| Unnamed Sand/Gravel Pit | c. 1975           |
| Unamed Sand/Gravel Pit  | c. 1975-1979      |
| Unnamed Sand/Gravel Pit | c. 1948           |
| Unnamed Sand/Gravel Pit | c. 1964-1976      |
| Unnamed Sand/Gravel Pit | c. 1922-1948      |
| Unamed Sand/Gravel Pit  | c. 12966-1979     |
| Unamed Sand/Gravel Pit  | c. 1975           |
| Unnamed Sand/Gravel Pit | c. 1976-1989      |
| Unnamed sand/Gravel Pit | c. 1989           |
| Unnamed Sand/Gravel Pit | c. 1975-1979      |
| Unnamed Sand/Gravel Pit | c. 1985           |
| Unamed Sand/Gravel Pit  | c. 1966           |
| Unnamed Sand/Gravel Pit | c. 1976           |
| Unnamed Sand/Gravel Pit | c. 1951           |
| Unnamed Sand/Gravel Pit | c. 1966           |
| Unnamed Sand/Gravel Pit | c. 1966-1979      |
| Unnamed Sand/Gravel Pit | c. 1951-1976      |
| Unamed Sand/Gravel Pit  | c. 1979           |
| Unnamed Sand/Gravel Pit | c. 1971-1979      |
| UNNAMED SAND/GRAVEL PIT | c. 1994           |
| Unnamed Sand/Gravel Pit | c. 1967           |
| Unnamed Sand/Gravel Pit | c. 1948-1967      |
| Unamed Sand/Gravel Pit  | c. 1951-1979      |
| Unnamed Sand/Gravel Pit | c. 1951-1979      |
| Unnamed Sand/Gravel Pit | c. 1953-1971      |
| Unnamed Sand/Gravel Pit | c. 1967-1985      |
| Unamed Sand/Gravel Pit  | c. 1951           |
| Unamed Sand/Gravel Pit  | c. 1966-1979      |
| Unnamed Sand/Gravel Pit | c. 1966-1975      |
| Unamed Sand/Gravel Pit  | c. 1966-1975      |
| Unnamed Sand/Gravel Pit | c. 1989           |
| Waste Disposal Site     | c. 1971           |

MAP Report Ver: 1



Report: Run On:

22 Sep 2020 at: 18:34:03



CITY OF OTTAWA

HLUI ID: \_\_670HIO

RPTC\_OT\_DEV0122 22 Sep 2020 at: 18:34:03

Run On:

Report:

AREA (Square Metres): 50614.048

Study YearPINMulti-NAICMultiple Activities1998042820317NN

Unnamed Sand/Gravel Pit

c. 1964-1989

| From:    | Public Information Services <publicinformationservices@tssa.org></publicinformationservices@tssa.org> |
|----------|---|
| Sent:    | September 3, 2020 3:18 PM   |
| То:      | Monica Black  |
| Subject: | RE: Environmental Information for 2830 Carling Avenue Ottawa  |

Good afternoon,

Thank you for your request for confirmation of public information.

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

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



### Sherees Thompson | Public Information Agent

345 Carlingview Drive Toronto, Ontario M9W 6N9 Tel: +1-416-734-3363 | Fax: +1-416-231-6183 | E-Mail: <u>sthompson@tssa.org</u> www.tssa.org

From: Monica Black <<u>M.Black@McIntoshPerry.com</u>> Sent: September 3, 2020 2:05 PM To: Public Information Services <<u>publicinformationservices@tssa.org</u>> Subject: Environmental Information for 2830 Carling Avenue Ottawa

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Hello,

McIntosh Perry is conducting a Phase ONE ESA at the below property:

2830 Carling Avenue, Ottawa, ON

We are requesting any environmental information you may have regarding this Site.

Thank you,

Monica

Monica Black, B. Sc.

Environmental Technican T. 343.925.0179 | C. 613.227.6953 M.Black@McIntoshPerry.com | www.mcintoshperry.com

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| From:    | Public Information Services < publicinformationservices@tssa.org> |
|----------|---|
| Sent:    | September 22, 2020 10:10 AM                                       |
| To:      | Monica Black  |
| Subject: | RE: Environmental Information for 810 Vick Avenue Ottawa          |

Hello. Thank you for your request for confirmation of public information.

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

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

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Kind regards, Roxana



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

From: Monica Black <<u>M.Black@McIntoshPerry.com</u>> Sent: September 21, 2020 11:56 AM To: Public Information Services <<u>publicinformationservices@tssa.org</u>> Subject: Environmental Information for 810 Vick Avenue Ottawa

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Hello,

McIntosh Perry is conducting a Phase ONE ESA at the below property:

810 Vick Avenue, Ottawa, ON

We are requesting any environmental information you may have regarding this Site.

Thank you,

Monica

Monica Black, B. Sc.

Environmental Technican T. 343.925.0179 | C. 613.227.6953 M.Black@McIntoshPerry.com | www.mcintoshperry.com

## MCINTOSH PERRY

Confidentiality Notice – If this email wasn't intended for you, please return or delete it. Click here to read all of the legal language around this concept.

We have been informed that a number of our clients have received phishing emails from scammers pretending to be McIntosh Perry. We take information security very seriously and ask that you also be vigilant in order to prevent fraud. If you have any concerns, please let your contact at McIntoshPerry know or email us at <u>info@mcintoshperry.com</u>







This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.

| From:    | Jordan Bowman   |
|----------|---|
| Sent:    | September 23, 2020 9:17 AM                            |
| To:      | Robert Laszkiewicz                                    |
| Cc:      | Monica Black  |
| Subject: | RE: ERIS - Insurance Products Follow-up (20290200512) |

Hi Robert,

None of these products really cover the Site. We will pass.

Thanks

Jordan Bowman, B.Sc., P.Biol.

Practice Area Lead, Groundwater T. <u>613.714.4602</u> | F. <u>613.836.3742</u> | C. <u>613.229.9528</u>

## MCINTOSH PERRY

From: Robert Laszkiewicz <<u>RLaszkiewicz@erisinfo.com</u>>
Sent: September 23, 2020 9:15 AM
To: Jordan Bowman <<u>j.bowman@mcintoshperry.com</u>>
Cc: Monica Black <<u>M.Black@McIntoshPerry.com</u>>; Jordan Bowman <<u>j.bowman@mcintoshperry.com</u>>
Subject: ERIS - Insurance Products Follow-up (20290200512)

Hi Jordan,

### Order Number: 20290200512

An Insurance Products quote was sent out to you regarding the above order. Please confirm if you require the information. If we do not hear back from you, the order will be closed and you will be billed a \$50 research fee.

Please click on the link below and you will be directed to our partner website to select the products you would like to order.

https://www1.optaintel.ca/firemaps/results.aspx?key=D01872599E8779A737E8D279B33277E6

Once the products have been selected and are ready for delivery you will receive an email from ERIS to download your order from your ERIS account.

Regards,

### Robert Laszkiewicz

Lead Report Analyst | Environmental Risk Information Services T 416.510.5204 Ext 43585 TF 1.866.517.5204 W www.erisinfo.com Tw @ERISInformation



## PHASE I ENVIRONMENTAL SITE ASSESSMENT 2830 CARLING AND 810 VICK AVENUE, OTTAWA, ONTARIO



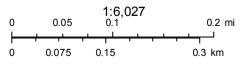
## **APPENDIX D – AERIAL PHOTOGRAPHS**

## MCINTOSH PERRY





September 22, 2020

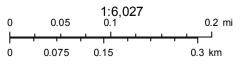


City of Ottawa





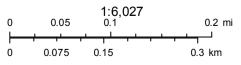
September 22, 2020



City of Ottawa



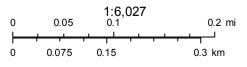
September 22, 2020



City of Ottawa



September 22, 2020







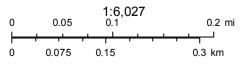
September 22, 2020

|   |       | 1:6,0 | 27        |        |
|---|-------|-------|-----------|--------|
| 0 | 0.05  | 0.1   |           | 0.2 mi |
|   |       |       | · · · · · |        |
|   | 1 1   |       | 1         | · ]    |
| 0 | 0.075 | 0.15  |           | 0.3 km |
|   |       |       |           |        |

#### 2008



September 22, 2020







September 22, 2020

| 0 | 0.05  | 1:6,027<br><sub>0.1</sub> | 0.2 mi |
|---|-------|---------------------------|--------|
|   |       |                           |        |
| 0 | 0.075 | 0.15                      | 0.3 km |

## PHASE I ENVIRONMENTAL SITE ASSESSMENT 2830 CARLING AND 810 VICK AVENUE, OTTAWA, ONTARIO



#### **APPENDX E – INTERVIEW RECORDS**

## MCINTOSH PERRY

| ALC: NAME OF | FCA. |
|--------------|------|
| Phase I      | ESA  |
| Fildse.      |      |

5

Interview Form

MPCE

Phase I ESA Interviews

| Interviewer (MPCE)            | MPCE Project No.   |
|-------------------------------|--|
| Interviewee Rundy             |  |
| Relationship to Subject Prope | rime Associated man of the   |
| Date 18 - 99 - 2020           | Date Property was developed: Pre 1938                                |
| Potential<br>Item of Concern  | Oil Interview Comments   |
| Accidents/Spills              | Pussible leak of oil tonk  |
| Previous Use of Site          | heen Res For some time   |
| Adjacent Properties           | Sold Mid 80'<br>Residential since 1985, Sand pit @ Restored<br>1975. |
| Fuel Handling/Storage         | oil besting tank previous.   |
| Maintenance/                  | Basiment   |
| Operational Areas             | -  |
| azardous Materials Storage    | NO   |
|                               |  |
| lt Storage                    | bus or two   |
|                               |  |
|                               |  |

Phase I ESA

Interview Form

MPCE

83155

: 1

F

| Potential<br>Item of Concern        | Interview Comments   |
|-------------------------------------|--|
| Fuel Storage Tanks                  | - Pretty Sure Remard.<br>- Converted to gas 1999<br>- Priver to fiel oil was Coal. |
| Odours                              | hater damage.  |
| Potable Water                       | Use to be well<br>Converted to Kity in Early 1950's is                             |
| Septic and Wastewater<br>Discharges | City<br>hould have been scene tank prist.<br>-No knowledge.                        |
| Pesticides                          | No knowledge   |
| Mould                               | yes natur damage   |
| Heating and Cooling Systems         | gas Furnie<br>- Alc Not in operation.  |
| Najor Mechanical<br>quipment        | No   |
| aste Oils, Solvents,<br>tteries     | No   |
| Bs                                  | No   |
| estos                               | Not avore  |
| Paint                               | Not anore  |

aselESA

Interview Form

MPCE

in the ter

| Interview Comments |  |
|--------------------|--|
| /                  |  |
| /                  |  |
| Not ave            |  |
| Not anne           |  |
| Nut anal           |  |
| /                  |  |
| One well prior.    |  |
| Culb side garburg  |  |
| No                 |  |
| Sever System.      |  |
| Νο,                |  |
|                    | Not aver<br>Not aver<br>Not aver<br>Not aver<br>Not aver<br>No<br>Save System. |

McIntosh Perry Consulting Engineers Ltd.

| na Constituti de Salas         | MPCE   |
|--------------------------------|--|
| Phase I ESA                    | Interview Form                                       |
| riddereast                     | 810 Vick Avenue                                      |
|                                | Phase I ESA Interviews                               |
|                                | CQ MPCE Project No. CCQ - 21 - 1191                  |
| Interviewer (MPCE) Moni(       | A MPCE Project No.                                   |
| Interviewee Elizabeth M        | lecullach  |
|                                | rty_OWNERTime Associated with Property: 50 years     |
| Relationship to Subject Proper | Date Property was developed: <u>built 50 Yrs ago</u> |
| Date30-09-2020                 | Date Property was developed. <u>Owney</u>            |
| Potential                      | Interview Comments                                   |
| Item of Concern                |  |
| Accidents/Spills               |  |
|                                | No   |
|                                |  |
| Previous Use of Site           |  |
|                                | Residence  |
|                                |  |
| Adjacent Properties            |  |
|                                | Residential  |
|                                |  |
| Fuel Handling/Storage          |  |
|                                | No   |
|                                | ,,,,,  |
| Maintenance/                   |  |
| Operational Areas              | basement   |
|                                |  |
| Hazardous Materials Storage    |  |
|                                | Alo  |
|                                | No   |
| Salt Storage                   |  |
|                                | Cause bases of salt                                  |
|                                | few bags of salt                                     |
|                                |  |

Mar An

McIntosh Perry Consulting Engineers Ltd.

Contra la contra

Interview Form

MPCE

|                             | Interview Comments                    |
|-----------------------------|---------------------------------------|
| Potential                   |                                       |
| Item of Concern             |                                       |
| Fuel Storage Tanks          | 010                                   |
|                             | No                                    |
| Odours                      |                                       |
|                             | No                                    |
| Potable Water               |                                       |
|                             | City water                            |
| Septic and Wastewater       |                                       |
| Discharges                  | city sewage                           |
| Pesticides                  |                                       |
|                             | No                                    |
| Mould                       | 010                                   |
|                             | No                                    |
| Heating and Cooling Systems | Air conditioner - cyrrent for 7 years |
| Major Mechanical            |                                       |
| Equipment                   | No                                    |
| Waste Oils, Solvents,       |                                       |
| Batteries                   | No                                    |
| PCBs                        |                                       |
|                             | No                                    |
| Asbestos                    | - I-                                  |
|                             | No                                    |
| ead Paint                   |                                       |
|                             | No                                    |

|  | MPCE                   |
|--|------------------------|
| ase I ESA                                | Interview Form         |
|  | Interview Comments     |
| Potential<br>Item of Concern             | Interview comme        |
| Ozon Depleting Substances<br>(ODS)       | Air conditioner        |
| Electromagnetic Radiation                | No                     |
| Urea-formaldehyde foam insulation (UFFI) | No-pink insulation     |
| Mercury                                  | No                     |
| Radon Gas                                | No                     |
| Soil and Groundwater<br>Conditions       | No past investigations |
| Wells                                    | No                     |
| Waste Disposal and Recycling             | curb pick up w/ city   |

|   | curb pick up which rig |
|---|------------------------|
| Fill Material                             | No                     |
| Floor Drains/OWS (discharge<br>locations) | No                     |
| Other                                     |                        |

Future use of property: <u>confirm w lonah</u>

McIntosh Perry Consulting Engineers Ltd.

## PHASE I ENVIRONMENTAL SITE ASSESSMENT 2830 CARLING AND 810 VICK AVENUE, OTTAWA, ONTARIO



#### **APPENDIX F – SITE PHOTOGRAPHS**

# McINTOSH PERRY



Picture 1: Water tank in basement of 2830 Carling.



Photo 2: Furnace in basement of 2830 Carling.



CCO-21-1191

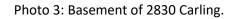




Photo 4: Basement of 2830 Carling.



Photo 5: Pipe in the basement of 2830 Carling.



Photo 6: Drain in the basement of 2830 Carling Ave



Photo 7: Damaged ceiling with mould above on the main floor of 2830 Carling.



Photo 8: Front exterior of 2830 Carling.



Photo 9: Air conditioning unit at the front exterior of 2830 Carling.



Photo 10: Hand pump well at front exterior of 2830 Carling.



Photo 11: Rear exterior of 2830 Carling.



Photo 12: front exterior landscape of 2830 Carling.



Picture 13: Exterior front of Site, facing Vick Avenue.

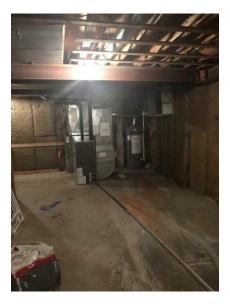


Photo 14: Basement view of 810 Vick.



Photo 15: Basement drain in 810 Vick.



Photo 16: Furnace in basement of 810 Vick.



Photo 17: Basement of 810 Vick.



Photo 18: Basement of 810 Vick.

CCO-21-1191



Photo 19: Basement of 810 Vick.



Photo 20: Garage at 810 Vick.

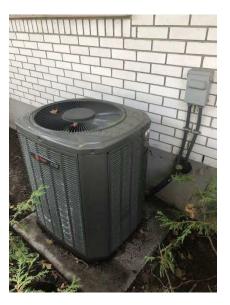


Photo 21: Air conditioning unit at the front exterior of 810 Vick.



Photo 22: Back exterior of 810 Vick.



Photo 23: Back exterior of 810 Vick.

#### McINTOSH PERRY