



## **Phase I Environmental Site Assessment**

16 and 20 Cedarow Court, Ottawa, Ontario

**Type of Document:**  
Final

**Client:**  
Bryton Capital Corporation  
65 Queen Street West Suite 210  
Toronto, Ontario M5H 2M5

**Project Number:**  
OTT-00246799-A0

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**Date Submitted:**  
May 29, 2018

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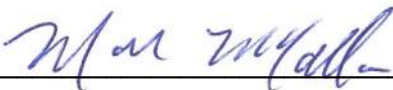
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**Date Submitted:**

May 29, 2018

## Executive Summary

EXP Services Inc. (EXP) was retained by Bryton Capital Corporation to complete a Phase I Environmental Site Assessment (ESA) of the vacant lot located at 16 and 20 Cedarow Court in Ottawa, Ontario, hereinafter referred to as the 'site'. This Phase I ESA serves an update to the Phase I ESAs completed by EXP (formerly Trow Associates Inc.) in 2003 and 2009, and 2014.

The purpose of this Phase I ESA was to determine if past or present site activities have resulted in actual or potential contamination at the site. This Phase I ESA will be used for due diligence. EXP understands this report will not be used to support a City of Ottawa permit application or to submit a Record of Site Condition due to a change in land use.

The work was completed in accordance with the general requirements of CSA Standard Z768-01, November 2001 (as amended), which outlines the protocol for Phase I Environmental Site Assessments. As per Z768-01, the scope of work included a review of historical land use and occupancy records, a visual reconnaissance of the subject site and surrounding properties; and interviews with person(s) having knowledge of past and present site activities.

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

A written response from some of the regulatory agencies typically requires several months to receive. If upon receipt of the response from the regulatory agencies, significant environmental issues are identified, EXP will forward their response to the client as an addendum to this report.

The site is located on the north side of Hazeldean Road and east of Cedarow Court at 16 and 20 Cedarow Court in Ottawa. The PINs for the 2 parcels are 044660067 and 044661799. The first PIN 04466-1799 is legally described as PART OF LOT 27 CONCESSION 12 BEING PART 8 ON PLAN 4R6689 AND PARTS 5 AND 7 ON PLAN 4R30409 SAVE AND EXCEPT PARTS 3 AND 4 ON PLAN 4R25114 AND PART 2 ON PLAN 4R25671 AND SAVE AND EXCEPT PARTS 9 AND 10 ON PLAN 4R30409; TOGETHER WITH AN EASEMENT OVER PART 27 CONCESSION 2 DESIGNATED AS PART 1 4R25671 AS IN OC1328319; SUBJECT TO AN EASEMENT OVER PART 1 ON PLAN 4R25671 IN FAVOUR OF PART OF LOTS 26 AND 27 CONCESSION 12 DESIGNATED AS PARTS 3, 4 AND 5 ON PLAN 4R6689 AS IN OC1328319; SUBJECT TO AN EASEMENT IN GROSS OVER PART 3 ON PLAN 4R25671 AS IN OC1758432; SUBJECT TO AN EASEMENT OVER PARTS 5 AND 7 ON PLAN 4R30409 AS IN OC1891940; SUBJECT TO AN EASEMENT OVER PARTS 5 AND 7 ON PLAN 4R30409 AS IN NS234946; CITY OF OTTAWA; SUBJECT TO AN EASEMENT OVER PARTS 5 AND 7 ON PLAN 4R30409 AS IN NS46082; CITY OF OTTAWA.

The second PIN 04466-0067 is legally described as PCL27-2, SEC GB-12; PT SW ½ LT 27, CON 12, PT 10, 4R6689; GOULBOURN; SUBJECT TO AN EASEMENT IN GROSS OVER PART 5 ON PLAN 4R25671 AS IN OC1759432. The site is zoned AM9 [474] (arterial mainstream).

The site has an area of 3.04 hectares, is currently vacant and is covered with low vegetation and some trees to the north. The property has a gentle slope to the northwest towards Poole Creek, a tributary of the Jock River, to the north. However, a steep downward incline is present when nearing Poole Creek. Access to the site is provided by Cedarow Court, which extends into the property at the western property limits. The site does not have any services such as municipal water and wastewater services. Electricity, cable, and natural gas are also not provided to the site. There are no buildings on the site.

The subject property is located within a mixed agricultural, residential and commercial part of the Stittsville area of Ottawa. The property is bounded: by Poole Creek to the northwest; vacant undeveloped lands to the east; Hazeldean Road followed by sparse residential lands to the south, and service commercial properties to the west. The local groundwater flow direction is anticipated to be northwest towards Poole Creek, 10 to 20 m north of the site.

Based on the results of the Phase I ESA completed at 16 and 20 Cedarow Court in Ottawa, EXP has not identified any areas of potential environmental concern. No additional work in the form of a Phase II ESA is recommended at this time.

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

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# 1. Introduction

EXP Services Inc. (EXP) was retained by Bryton Capital Corporation to complete a Phase I Environmental Site Assessment (ESA) of the vacant lot located at 16 and 20 Cedarow Court in Ottawa, Ontario, hereinafter referred to as the 'site'. This Phase I ESA serves an update to the Phase I ESA completed by EXP (formerly Trow Associates Inc.) in 2003, 2009, and 2014.

At the time of the investigation, the site was owned by the Canadian Mortgage and Housing Corporation and is managed by Bryton Capital Corporation. The owner contact information is provided below:

Company Address: 65 Queen Street West Suite 210  
Toronto, Ontario M5H 2M5

## 1.1 Objective

This Phase I ESA will be used for due diligence purposes. EXP understands this report will not be used to support a City of Ottawa permit application or to submit a Record of Site Condition (RSC) due to a change in land use.

A Phase I ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. The Phase I ESA was completed in general accordance to CSA Standard Z768-01, November 2001 (as amended). Subject to this standard of care, EXP makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. Limitation of liability, scope of report and third-party reliance are outlined in Section 8 of this report.

## 1.2 Site Description

The site is located on the north side of Hazeldean Road, and east of Cedarow Court at 16 and 20 Cedarow Court in the Stittsville area of Ottawa, as shown on Figure 1 in Appendix B. The site is located on the north side of Hazeldean Road and east of Cedarow Court at 16 and 20 Cedarow Court in Ottawa. The PINs for the 2 parcels are 044660067 and 044661799. The first PIN 04466-1799 is legally described as PART OF LOT 27 CONCESSION 12 BEING PART 8 ON PLAN 4R6689 AND PARTS 5 AND 7 ON PLAN 4R30409 SAVE AND EXCEPT PARTS 3 AND 4 ON PLAN 4R25114 AND PART 2 ON PLAN 4R25671 AND SAVE AND EXCEPT PARTS 9 AND 10 ON PLAN 4R30409; TOGETHER WITH AN EASEMENT OVER PART 27 CONCESSION 2 DESIGNATED AS PART 1 4R25671 AS IN OC1328319; SUBJECT TO AN EASEMENT OVER PART 1 ON PLAN 4R25671 IN FAVOUR OF PART OF LOTS 26 AND 27 CONCESSION 12 DESIGNATED AS PARTS 3, 4 AND 5 ON PLAN 4R6689 AS IN OC1328319; SUBJECT TO AN EASEMENT IN GROSS OVER PART 3 ON PLAN 4R25671 AS IN OC1758432; SUBJECT TO AN EASEMENT OVER PARTS 5 AND 7 ON PLAN 4R30409 AS IN OC1891940; SUBJECT TO AN EASEMENT OVER PARTS 5 AND 7 ON PLAN 4R30409 AS IN NS234946; CITY OF OTTAWA; SUBJECT TO AN EASEMENT OVER PARTS 5 AND 7 ON PLAN 4R30409 AS IN NS46082; CITY OF OTTAWA.

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The site has an area of 3.04 hectares, is currently vacant, and is covered with low vegetation and some trees to the north. The property has a gentle slope towards Poole Creek, to the northwest. However, a steep downward incline is present when nearing Poole Creek. Access to the site is provided by Cedarow Court, which extends into the property at the western property limit. The site does not have any services such as municipal water and wastewater services. Electricity, cable, and natural gas are also not provided to the site. There are no buildings on the site.

The subject property is located within a mixed agricultural, residential and commercial portion of Stittsville. The property is bounded: by Poole Creek to the northwest; agricultural lands to the east; Hazeldean Road followed by sparse residential lands to the south and service commercial properties to the west. The local groundwater flow direction is anticipated to be northwest towards Poole Creek, 10 to 20 m north of the site. A site plan is provided in Figure 2 of Appendix B.



## 2. Scope of Investigation

The scope of work the Phase I ESA consisted of the following activities:

- Reviewing the historical occupancy of the subject site through the use of available archived and relevant municipal and business directories, fire insurance plans (FIPs), topographical maps, and aerial photographs;
- Contacting municipal and provincial agencies to determine the existence of records of environmental regulatory non-compliance, if any, and reviewing such records where available;
- Obtaining an EcoLog Environmental Risk Information Services Ltd. (ERIS) report for the subject site and surrounding properties within a 250 metre radius of the site;
- Reviewing available geological maps, well records and utility maps for the vicinity of the subject site;
- Conducting a site reconnaissance of the subject site and building facilities in order to identify the presence of actual and/or potential environmental contaminants or concerns of significance;
- Conducting interviews with designated site representative(s) as a resource for current and historical site information, as well as to provide EXP staff with unrestricted access to all areas of the subject site and site buildings;
- Reviewing the current use of the subject site and any land use practices that may have impacted its environmental condition;
- Reviewing the current use of the surrounding properties and any land use practices that may have impacted the environmental condition of the subject site; and,
- Preparing a report to document the findings.

In completing the scope of work, EXP did not conduct any intrusive investigations, including sampling, analyses or monitoring of materials. In addition, general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the property; however, a detailed review of regulatory compliance issues was beyond the scope of our investigation.

EXP personnel who conducted assessment work for this project included Mark McCalla, P. Geo. and Robert Renaud, M.Sc., P. Geo. An outline of their qualifications is provided in Appendix A.

## 3. Records Review

### 3.1 Phase I ESA Study Area Determination

EXP conducted a records review of available information in accordance with CSA Standard Z768-01 to establish the land use history of the subject site and the adjacent properties.

The Phase I ESA study area consisted of the neighbourhood extending a distance of 250 metres from the subject site. At the time of the site reconnaissance, land usage within 250 metres of the subject site was mixed agricultural, residential and commercial. Figure 2 in Appendix B highlights near-by properties within the study area.

### 3.2 First Developed Use Determination

Based on a review of historical aerial photographs, historical maps, and other records review, it appears the subject site has always been vacant.

### 3.3 Title Search

A title search was not conducted as part of this assessment.

### 3.4 Fire Insurance Plans

The *Catalogue of Canadian Fire Insurance Plans 1875 – 1975* (Catalogue) was used to determine if fire insurance plans (FIPs) for the subject site exist. No FIP were historically produced for the immediate area.

### 3.5 Site Operating Records

No site operating records were provided to EXP for review.

### 3.6 Environmental Reports

The following environmental reports were reviewed:

- *Phase I Environmental Site Assessment, Hazeldean Land, Goulbourn Township, Ottawa, Ontario;* Trow Associates Incorporated, August 2003;
- *Phase I Environmental Site Assessment – Hazeledean Lands, Ottawa, Ontario.* Trow Associates Incorporated, April 2009; and,
- *Phase I Environmental Site Assessment, 16 and 20 Cedarow Court, Ottawa, Ontario;* EXP Services Inc., January 12, 2014.

At the time of these investigations the site was vacant and undeveloped. An automotive garage was observed on the neighbouring site to the west and an automotive sales business was observed 50 m to the southwest. Due to the inferred northwesterly groundwater flow direction and the fact that there were no below ground structures such as underground storage tanks or in-ground hydraulic hoists observed at the automotive garage, no areas of potential environmental concern (APECs) were identified.

In 2015, EXP completed a Phase One and Two ESA for a former service garage and gasoline station located at 5835 Hazeldean Road, approximately 170 m west of the subject site. No soil or groundwater impacts were identified during the assessment.

### 3.7 Regulatory Information Environmental Source Information

The appropriate regulatory agencies at the provincial and municipal levels were contacted to obtain information regarding environmental permits, past or pending environmental control orders or complaints, outstanding environmental regulatory non-compliance issues and Sewer Use By-Law infractions. EXP did not identify the need to contact any federal agencies.

The following agencies were contacted:

- The Ontario Ministry of the Environment and Climate Change (MOECC) Freedom of Information, Protection of Privacy Office;
- The Technical Standards and Safety Authority (TSSA), Fuel Safety Branch, and;
- The City of Ottawa.

A written response from some of the regulatory agencies typically requires several weeks to months. Copies of the requests are included in Appendix D. If upon receipt of the response from these regulatory agencies, significant environmental issues are identified, EXP will forward their response to the client as an addendum to this report.

#### 3.7.1 Ontario Ministry of the Environment and Climate Change Records

Records pertaining to the site were requested from the MOECC through the *Freedom of Information and Protection of Privacy Act* (FOI). A response dated December 29, 2014 indicates that no records were located for this property. A copy of the response is included in Appendix D of this report.

On May 10, 2018, the MOECC Environmental Bill of Rights (EBR) registry website was searched by EXP for postings in the vicinity of the subject site using a 250 m radius. Only one listing was found. Bryton Capital Corporation withdrew their application for a permit to transplant eight Butternut trees (*Juglans cinerea*) for the purpose of constructing a commercial development at the site. The regulation requires the proponent to submit a Butternut health assessor's report and a planting plan which requires between two and 20 seedlings to be planted for every tree removed or harmed (based on the size of tree). Additionally, it requires monitoring, tending and reporting to MNR on the growing progress of the newly planted Butternut. No APECs were identified.

On May 11, 2018, the MOECC Brownfields Registry website was searched by EXP for postings of Records of Site Condition. No postings were listed for the subject site. A RSC was posted for the property on the north side of Poole Creek.

The following on-line sources of information were reviewed searched by Environmental Risk Information Service Limited (ERIS):

- On May 23, 2018, the MOECC Hazardous Waste Information Network (HWIN) database was searched by ERIS for registered waste generators in the vicinity of the subject site. These results are presented in the EcoLog Report and further discussed in Section 3.9.

#### 3.7.2 Municipal Records

##### 3.7.3.1 City Hall Records

A request was made to the City of Ottawa for the Hazardous Land Use Inventory (HLUI). The following entries were identified:

- Carruthers Garage, 5 Cedarow Court (adjacent to southwest) - an automotive service garage listed as in operation in 2005.

- Renwick Auto Sales, 3 Cedarow Court (adjacent to west) - an automotive service garage listed as in operation from 1997 to 2005. Was also listed as Krown Rust Proofing (2001 and 205) and Auto Searchers Ltd.
- Infineon Technologies, 10 Cedarow Court (70 m to west) – electrical and electronic machinery in operation 2001.

Due to the inferred northwesterly groundwater flow direction and the fact that there were no below ground structures such as underground storage tanks or in-ground hydraulic hoists observed at the automotive garages, no APECs were identified. A copy of the response is provided in Appendix D.

### 3.7.3.2 City Directory Search

EXP reviewed city directories at the national archives library in order to identify the occupancy history of the subject site and neighbouring properties for potential environmental concerns. No listings were available for the site because it is a vacant lot.

**Table 3.2: City Directory Search**

Address	Direction/Distance From Subject Site	Years	Name
20 Cedarow Court	Site	1993 - 2011	Not listed
3 Cedarow Court	Adjacent west	1993 1999/2000 2005/2006 2011	Street not listed Auto Searchers Krown Rust Control Hinton Automotive/Krown Rust Control
5 Cedarow Court	Adjacent West	1999 - 2006	Car Wash
10 Cedaow Court	70 m west	1999 2005 - 2011	Restaurant/Hospitality Training Winds of Change

The adjacent properties are considered cross-gradient to the site in terms of groundwater flow and therefore do not represent an APEC to the subject site.

## 3.8 Land Use Documents

A review of the following publications was carried out as part of this Phase I ESA:

1. Waste Disposal Site Inventory (MOE, June 1991);
2. Old Landfill Management Strategy Phase 1 – Identification of Sites, City of Ottawa, Ontario (Golder Associates, October 2004);
3. Inventory of Coal Gasification Plant Waste Sites in Ontario (Intera, April 1987);
4. Mapping and Assessment of Former Industrial Sites – City of Ottawa (Intera, July 1988); and,
5. Ontario Ministry of the Environment; 1993; *Ontario Inventory of PCB Storage Sites*.

### ***Waste Disposal Site Inventory - Ontario MOE (1991) – Active and Closed Landfills***

There were no waste disposal sites identified in this document within 250 m of the subject site.

### **Old Landfill Management Strategy Phase 1 – Identification of Sites - Golder (2004)**

There were no landfills identified in this document within 250 m of the subject site.

### **Inventory of Coal Gasification Plant Waste Sites in Ontario - Ontario MOE (1987)**

There were no coal gasification plants identified in this document within 250 m of the subject site.

### **Mapping and Assess Former Industrial Sites – Intera (1988)**

No former industrial sites were identified within 250 m of the subject site.

### **Ontario Inventory of PCB Storage Sites - Ontario MOE (1993)**

No records pertaining to PCB storage sites were identified within 250 m of the subject site in this document.

## **3.9 EcoLog ERIS Database Search**

A search of provincial and federal databases for records pertaining to the subject site and properties within 250 metres of the subject site was conducted by EcoLog Environmental Risk Information Services (or EcoLog ERIS). EcoLog ERIS is an environmental database and information service provider. EXP has confirmed neither the completeness nor the accuracy of the records that were provided. A summary of the more significant findings is provided below. A copy of the EcoLog ERIS report is provided in Appendix C.

**Table 3.2: EcoLog Summary**

<b>Address</b>	<b>Direction/Distance From Subject Site</b>	<b>Site Name</b>	<b>Years Listed</b>	<b>Entries</b>
20 Cedarow Court	Site	Bryton Capital Corporation	2011	EBR – Permit for activities with conditions to achieve overall benefit to the species
3 Cedarow Court	Adjacent west	Auto Searchers Ltd. (Garage)	1995 - Present	GEN – Waste Oil CA – Waste Oil Furnace
5 Cedarow Court	Adjacent west	George Carruthers (Car Wash)	CA approval in 2003, 2016	ECA/CA - Industrial Sewage Works
8 Cedarow Court	60 m west	Deb's Valley Foods Inc.	1990, 2005	SCT CA - Industrial Sewage Works
5731 Hazeldean Road	Adjacent east	Wellings of Stittsville Inc.	2017	EASR – Water Taking during construction

EBR – Environmental Bill of Rights  
GEN – HWIN Registered Waste Generator

SCT – Scott's Manufacturing Directory  
CA – Certificate of Approval

All of the above noted entries are considered cross gradient and/or at large intervening distances from the site. Based on the information reviewed, no APECs were identified.

### 3.10 Physical Setting Review

#### 3.10.1 Aerial Photographs

Aerial photographs from 1968, 1976, 1984, 1992, 1999, 2007 and 2014 were examined in an effort to review the historical land use at the site and adjacent properties.

- In the 1964 and 1976 aerial photographs, the subject property appears to be of an agricultural nature along with other properties in the area. No buildings were observed on the subject site.
- In the 1984 aerial photograph, the parking area for a number of off-site buildings extended into the northwestern portion of the subject property. At the time, the subject property appears to have been of an agricultural nature and it is suspected that the above-noted buildings were for agricultural purposes. The former off-site buildings were not identified in the 1984 aerial photograph.
- Based on 1992 and 1999 aerial photographs, the neighbouring garage and car wash facilities to the west of the property (on Cedarow Court) are present.
- Based on the 2007 to 2014 aerial photographs, several properties occupy Cedarow Court and appear to be small commercial buildings. No evidence of industrial facilities and/or retail fuel outlets were identified.
- In the 2017 aerial photograph, there is a large vehicle parking area located just west of Poole Creek. No other changes are noted for the site or surrounding area.

Based on the review of the aerial photographs, no APECs were noted.

#### 3.10.2 Geology, Hydrogeology and Topography

The following information sources were reviewed to determine the nature of the subsurface materials at the site:

1. *Bedrock Geology of Southern Ontario* – Ontario Geological Survey. Scale 1:50,000. Electronic resource Issued 2003.
2. *Surficial Geology of Southern Ontario* – Ontario Geological Survey. Scale 1:50,000. Electronic resource Issued 2003.
3. Ontario Geotechnical Boreholes – Electronic Resource.
4. MOECC Water Well Records – Electronic Resource.
5. Department of Natural Resources, Topographic Mapping. Electronic Resource.

Based on local mapping, beneath any fill, the surficial geology of the site is characterised by clay and silt. The bedrock geology underlying the subject site consists of limestone of the Bobcaygeon Formation. Local MOECC well records and geotechnical boreholes indicate local geology is sand and silt over limestone bedrock. The depth to bedrock is approximately 2 m below grade.

The site topography has a gentle slope downwards towards Poole Creek. The local groundwater flow direction is anticipated to be north towards Poole Creek, 10-20 m north of the site.

#### 3.10.3 Water Bodies and Areas of Natural Scientific Importance

There are no water bodies on the subject site. The closest body of water is Poole Creek located 10-20 m north of the site. The site is not located near an ANSI.

### **3.11 Summary of Records Review**

Based on a review of the available records, no APECs have been identified.

## 4. Interviews

Interviews were conducted by EXP with the individuals identified to be the most knowledgeable about both the current and historical site uses. The interviews were conducted in order to obtain information to assist in identifying areas of potential environmental concern and identify details of potentially contaminating activities or potential contaminant pathways, in, on or below the subject site.

During the completion of this Phase I ESA, Ms. Lorna Pineda of Bryton Capital Corporation was interviewed via email. She indicated that:

- The site has always been vacant and undeveloped.
- There are and never have been any tanks or chemical storage at the site.
- There are no known environmental issues with the site.



## **5. Site Reconnaissance**

### **5.1 General Requirements**

On May 10, 2018, Mark McCalla, P.Geo., of EXP conducted the site visit in accordance with EXP's internal health and safety protocols and with the Ministry of Labour health and safety regulations. The purpose of the site visit was to assess the current conditions of the subject site.

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

Exterior observations of the subject property and surrounding properties were conducted. The exterior observations were recorded by walking over the grounds of the subject site. Adjoining properties were observed from within the grounds of the subject site.

Photographs were taken from the exterior and interior of the building. Photographs are included in Appendix E. Mr. McCalla was unaccompanied during the site visit.

### **5.2 Visual Site Assessment**

#### **5.2.1 Site Description and Buildings**

The site has an area of 3.04 hectares, is currently vacant, and is covered with low vegetation and some trees to the north. The property displays a gentle slope towards Poole Creek, to the northwest. However, a steep downward incline is present when nearing Poole Creek. Access to the site is provided by Cedarow Court, which extends into the property at the western property limits of the site. There are no buildings on the site.

#### **5.2.2 Site Use**

The site was vacant and undeveloped during the site visit.

#### **5.2.3 Heating and Cooling Systems**

The site was not serviced with heating or cooling services.

#### **5.2.4 Site Utilities and Services**

The site was not serviced with any utilities.

#### **5.2.5 Storage Tanks**

##### **5.2.5.1 Underground Storage Tanks**

The site representative indicated they had no knowledge of underground storage tanks (USTs) at the site. EXP did not observe any evidence of USTs during the site reconnaissance. Furthermore, the historical review did not identify any former USTs at the site.

#### **5.2.5.2 Aboveground Storage Tanks**

The site representative indicated they had no knowledge of above ground storage tanks (ASTs) at the site. EXP did not observe any evidence of ASTs during the site reconnaissance. Furthermore, the historical review did not identify any former ASTs at the site.

#### **5.2.6 Drains, Pits and Sumps**

No drains, sumps, or pits were observed at the site during the site inspection.

#### **5.2.7 Chemical Storage and Handling and Floor Condition**

No chemical storage was observed at the site.

#### **5.2.8 Areas of Stained Soil, Pavement or Stressed Vegetation**

No areas of stained soil were present during the site inspection.

#### **5.2.9 Fill, Debris and Methane**

The subject site is at approximately the same elevation as the surrounding properties and as such substantial quantities of fill are not anticipated to be present at the subject site. Methane or radon gas-producing materials were not observed on the subject site.

#### **5.2.10 Air Emissions**

Regulatory control of air emissions in Ontario is the responsibility of the MOE. According to the Environmental Protection Act (EPA), an Environmental Compliance Approval (ECA) (Air) is required for the ongoing operation of any equipment that may discharge a contaminant into the natural environment if the equipment was installed, modified or altered after June 29th, 1988. Retroactive approval should be sought for equipment installed and unchanged between 1972 and June 29th, 1988 when the requirement for a ECA was added to the EPA. Unless explicitly exempted, most industrial processes or modifications to industrial processes and equipment require a ECA. The EPA provides a list of specific equipment and conditions, which are exempt from ECA (Air) requirements (i.e. fuel burning equipment for comfort heating in a building using natural gas or number 2 fuel oil at a rate of less than 1.5 million British Thermal Units per hour [BTU/hour]).

No air emissions concerns were identified at the time of the site visit.

#### **5.2.11 Odours**

No strong odours were detected during the site visit.

#### **5.2.12 Noise**

No excessive noise was detected at the subject site during the site visit.

#### **5.2.13 Special Attention Items, Hazardous Building Materials and Designated Substances**

Special attention substances such as asbestos, PCBs, lead paint, and urea formaldehyde foam insulation were commonly used in older buildings. Given that the site is vacant (i.e. there are no buildings on the subject property), special attention substances are not present on the site.

#### **5.2.13.6 Radon**

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

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

Given the absence of any structure on the site and the geological formation underlying the site, EXP concludes that radon is highly unlikely to pose a direct health concern.

#### **5.2.13.7 Mould**

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

Currently there are no regulations governing mould; however, there are several guidelines addressing mould assessments and abatement. At the moment the industry standards include the Canadian Construction Association (CCA) document 82-2004 titled "mould guidelines for the Canadian construction industry" and the Environmental Abatement Council of Ontario (EACO) guidelines titled "EACO Mould Abatement Guidelines, Edition 2 (2010)".

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

No visible mould was observed by EXP in the site building during the site visit.

#### **5.2.14 Processing and Manufacturing Operations**

No processing or manufacturing operations take place at the subject site.

#### **5.2.15 Hazardous Materials Use and Storage**

No hazardous materials were observed at the site.

#### **5.2.16 Vehicle and Equipment Maintenance Areas**

No vehicle and equipment maintenance areas were observed at the site.

#### **5.2.17 Oil/Water Separators**

No oil/water separators were observed on the site.

#### **5.2.18 Sewage and Wastewater Disposal**

The subject site was not serviced with sanitary services.

#### **5.2.19 Solid Waste Generation, Storage & Disposal**

Solid waste is not generated on the site. Some minor litter was observed across the site during previous assessments however this does not represent an APEC.

#### **5.2.20 Liquid Waste Generation, Storage & Disposal**

No significant liquid wastes are generated at the site.

#### **5.2.21 Hydraulic Lift Equipment**

Mechanical equipment such as piston type elevators, vehicle in-ground hoists, loading docks and compactors are typically hydraulically operated. As such, these types of equipment contain hydraulic oils which are operated under high pressures and can be released into the environment from leaks or equipment failures.

No stationary hydraulic lift equipment was observed at the subject site.

#### **5.2.22 Mechanical Equipment**

No mechanical equipment was observed at the site.

#### **5.2.23 Abandoned and Existing Wells**

No wells were observed at the site.

#### **5.2.24 Roads, Parking Facilities and Right of Ways**

The subject site has road access from Cedarow Court to the west. No rights-of-way have been registered on the property.

### **5.3 Adjacent and Surrounding Properties**

A visual inspection of the adjacent properties and properties within 250 m of the subject site was conducted from publicly accessible areas to identify the occupants and document the uses and sources of potential environmental concerns that may impact the subject site. The results of the visual inspection are documented in Figure 2 Appendix B.

North: Vacant followed by residential

South: across Hazeldean Road, parkland followed by residential

East: Seniors residence under construction

West: Commercial (Self Serve Car Wash, Krown Rust Proofing, Automotive Garage (Auto Searchers Ltd.), Fitness Centre, Automotive Sales, Winds of Change Spa)

### **5.4 Summary of Site Reconnaissance**

Based on the site reconnaissance, no APECs have been identified for the site.

## 6. Findings and Recommendations

Based on the results of the Phase I ESA updated conducted at 16 and 20 Cedarow Court, EXP did not identify any APECs. No further work in the form of a Phase II ESA is recommended at this time.

## 7. References

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6. Golder Associates Inc.; October 2004; *Old Landfill Management Strategy, City of Ottawa*.
7. Intera Technologies Ltd.; July 1998; *Mapping and Assessment of Former Industrial Sites, City of Ottawa*.
8. Ontario Ministry of the Environment, *Environmental Registry website* ([www.ene.gov.on.ca/envision/env\\_reg/ebr/english/index.htm](http://www.ene.gov.on.ca/envision/env_reg/ebr/english/index.htm))
9. Ontario Ministry of the Environment; 1993 - 2003-2004; *Ontario Inventory of PCB Storage Sites*.
10. Ontario Ministry of the Environment, *Brownfields Registry website* ([www.ene.gov.on.ca/environet/BESR/index.htm](http://www.ene.gov.on.ca/environet/BESR/index.htm))
11. Ontario Ministry of the Environment; *Hazardous Waste Information Network website* ([www.hwin.ca](http://www.hwin.ca)).
12. Ontario Ministry of the Environment; November 1988; *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario*.
13. Ontario Ministry of the Environment, Waste Management Branch; June 1991; *Waste Disposal Site Inventory*.
14. Ontario Ministry of the Environment and Intera Technologies Ltd.; June 1991; *Inventory of Coal Gasification Plant Waste Sites in Ontario*.
15. Ontario Ministry of Natural Resources, Natural Heritage website ([www.mnr.gov.on.ca/MNR/nhic/areas.cfm](http://www.mnr.gov.on.ca/MNR/nhic/areas.cfm))
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17. Trow Associates Incorporated, August 2003, *Phase I Environmental Site Assessment, Hazledean Land, Goulbourn Township, Ottawa, Ontario*.
18. Trow Associates Incorporated, April 2009, *Phase I Environmental Site Assessment – Hazeledean Lands, Ottawa, Ontario*.
19. *Phase I Environmental Site Assessment, 16 and 20 Cedarow Court, Ottawa, Ontario*; EXP Services Inc., January 12, 2014.

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

### **Basis of Report**

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

Where applicable, recommended field services are the minimum necessary to ascertain that construction is being carried out in general conformity with building code guidelines, generally accepted practices and EXP’s recommendations. Any reduction in the level of services recommended will result in EXP providing qualified opinions regarding the adequacy of the work. EXP can assist design professionals or contractors retained by the Client to review applicable plans, drawings, and specifications as they relate to the Report or to conduct field reviews during construction.

### **Reliance on Information Provided**

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

### **Standard of Care**

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

### **Complete Report**

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

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*EXP Services Inc.*

*Bryton Capital Corporation  
Phase I Environmental Site Assessment  
16 and 20 Cedarow Court, Ottawa, ON  
OTT-00246799-A0  
May 29, 2018*

# Appendices



*EXP Services Inc.*

*Bryton Capital Corporation  
Phase I Environmental Site Assessment  
16 and 20 Cedarow Court, Ottawa, ON  
OTT-00246799-A0  
May 29, 2018*

# **Appendix A: Qualifications of Assessors**



## Qualifications of Assessors

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

**Robert Renaud**, M.Sc., P.Geo. (ON/NU/NT), is a Hydrogeologist and Environmental Geoscientist with over sixteen years' experience in the environmental field. Mr. Renaud is a licensed Professional Geoscientist (P.Geo.) in Ontario, Nunavut and the Northwest Territories. His technical undertakings have included work in the following fields: Phase I, II, and III Environmental Assessments; contaminated site investigations; environmental site characterization; soil and groundwater sampling and data evaluation; data analysis; interpretation and technical report preparation; project coordination; hydrogeological assessments; construction dewatering projects; Class Environmental Assessments; proposal preparation and client liaison.

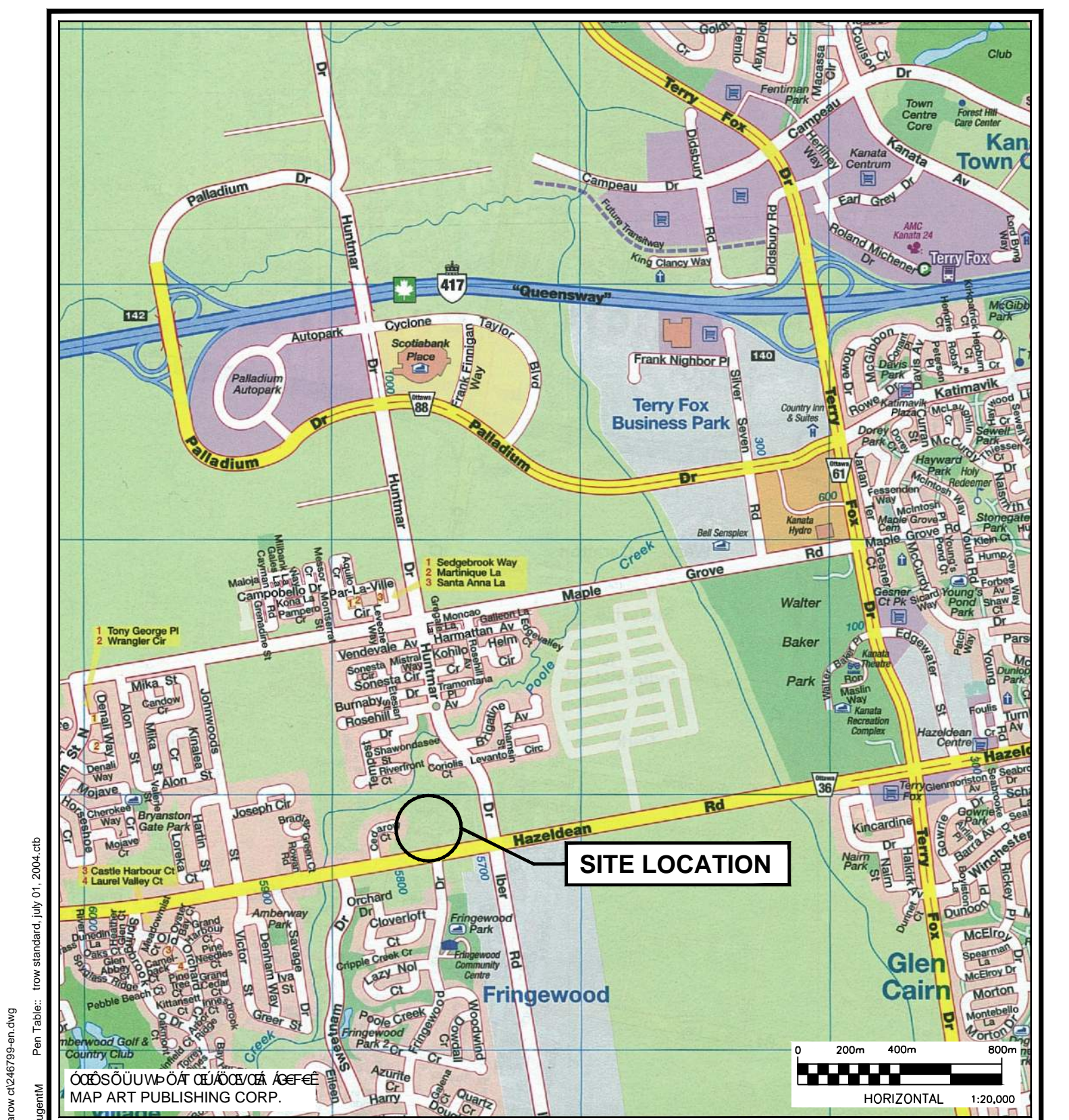
**Mark McCalla**, P.Geo., is a Senior Project Manager with the Environmental Science and Engineering Services division of EXP, with more than 29 years' experience (15 years with EXP) in environmental investigations, including borehole drilling, monitoring well installation and environmental soil and groundwater sampling, reporting and project management. Mr. McCalla has been involved with many hydrogeological assessments, where pumping tests and analytical testing of wells were carried out. His project experience includes: coordinating, conducting and managing environmental site assessments, remediation programs and landfill monitoring and management programs; technical report preparation and senior review; proposal preparation and client liaison. Mr. McCalla is a Qualified Person for completing Phase I and II Environmental Site Assessments as per Ont. Reg. 153/04.

*EXP Services Inc.*

*Bryton Capital Corporation  
Phase I Environmental Site Assessment  
16 and 20 Cedarow Court, Ottawa, ON  
OTT-00246799-A0  
May 29, 2018*

## **Appendix B: Figures**





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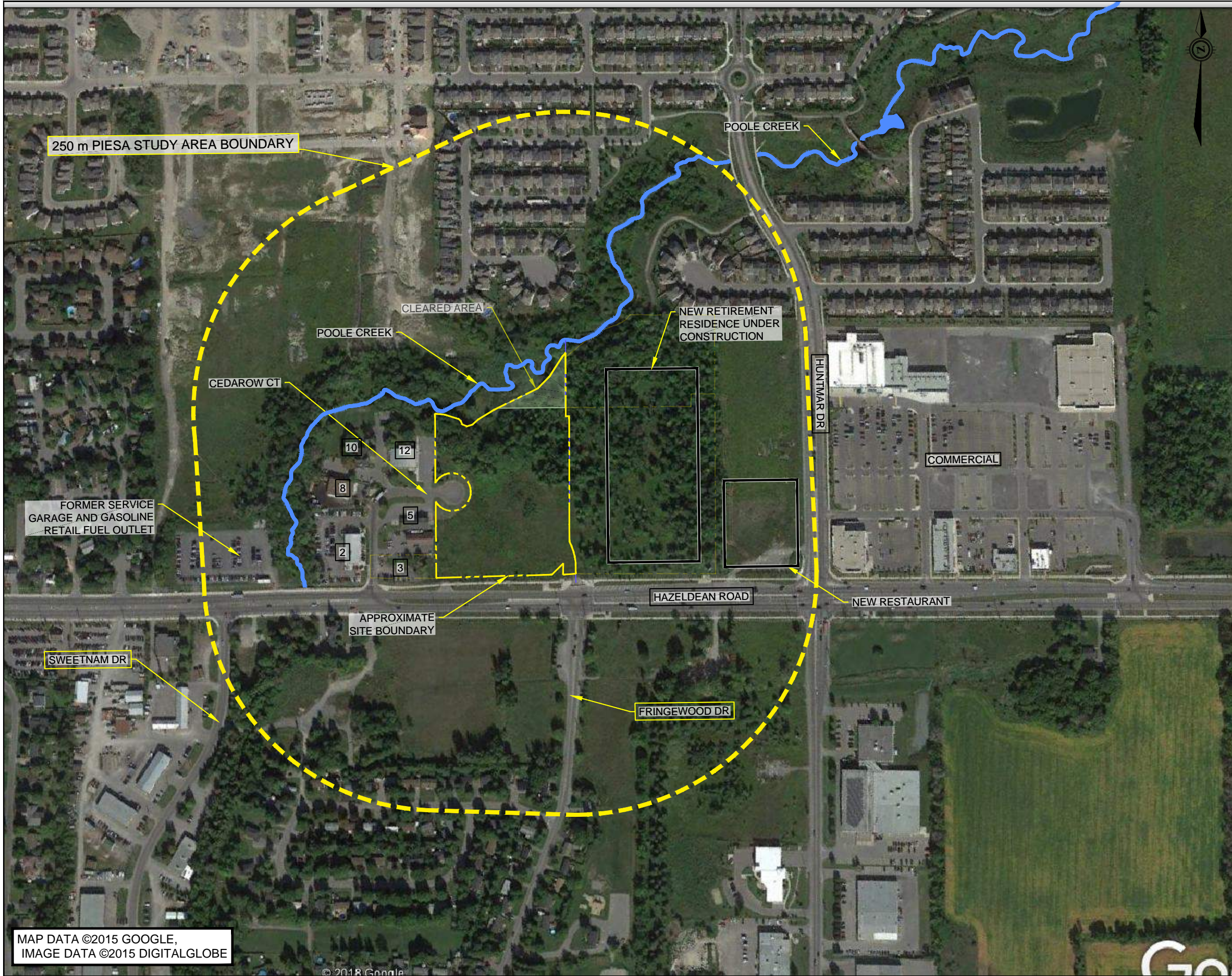


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scale	1:20 000
date	MAY 2018
drawn by	J.R.

PROJECT:	<b>BRYTON CAPITAL CORPORATION</b> PHASE I ESA - HAZELDEAN LANDS 20 CEDAROW COURT, OTTAWA, ON	project no.	OTT-00246799-A0
TITLE:		design	M.M. checked R.R.
<b>SITE LOCATION PLAN</b>		<b>FIG 1</b>	

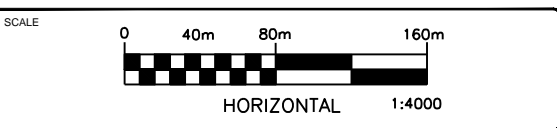


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CLIENT  
**BRYTON CAPITAL CORPORATION**

PROJECT  
**PHASE I ESA  
 16 & 20 CEDAROW COURT, OTTAWA, ON**

TITLE  
**PIESA 250 m STUDY BOUNDARY**

date	MAY 2018	project no.	OTT-00246799-A0
design by	M.M.	<b>FIG 2</b>	
prepared by	J.R.		
reviewed by	R.R.		

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*EXP Services Inc.*

*Bryton Capital Corporation  
Phase I Environmental Site Assessment  
16 and 20 Cedarow Court, Ottawa, ON  
OTT-00246799-A0  
May 29, 2018*

# **Appendix C: EcoLog ERIS Report**





# DATABASE REPORT

**Project Property:** *Phase I ESA  
20 Cedarow Court  
Stittsville ON K2S 1V6*

**Project No:** *OTT-00246799-A0*

**Report Type:** *Standard Report*

**Order No:** *20180516023*

**Requested by:** *exp Services Inc.*

**Date Completed:** *May 23, 2018*

**Environmental Risk  
Information Services**  
A division of Glacier Media Inc.  
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E: [info@erisinfo.com](mailto:info@erisinfo.com)

**[www.erisinfo.com](http://www.erisinfo.com)**



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# Executive Summary

## Property Information:

**Project Property:** *Phase I ESA  
20 Cedarow Court Stittsville ON K2S 1V6*

**Project No:** *OTT-00246799-A0*

## **Coordinates:**

**Latitude:** *45.281653*  
**Longitude:** *-75.915512*  
**UTM Northing:** *5,014,646.87*  
**UTM Easting:** *428,198.05*  
**UTM Zone:** *UTM Zone 18T*

**Elevation:** *340 FT  
103.57 M*

## Order Information:

**Order No:** *20180516023*  
**Date Requested:** *May 16, 2018*  
**Requested by:** *exp Services Inc.*  
**Report Type:** *Standard Report*

## Historical/Products:

## Executive Summary: Report Summary

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Within 0.25 km</b>	<b>Total</b>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking &amp; Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	13	13
CA	<i>Certificates of Approval</i>	Y	0	3	3
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DRYCLEANERS	<i>Dry Cleaning Facilities</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	1	1
EBR	<i>Environmental Registry</i>	Y	1	0	1
ECA	<i>Environmental Compliance Approval</i>	Y	0	3	3
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	8	8
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EXP	<i>List of TSSA Expired Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries &amp; Oceans Fuel Tanks</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	1	1
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian &amp; Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>TSSA Incidents</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MISA PENALTY	<i>Environmental Penalty Annual Report</i>	Y	0	0	0

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Within 0.25 km</b>	<b>Total</b>
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense &amp; Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense &amp; Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBW	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGW	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>TSSA Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	1	1
SPL	<i>Ontario Spills</i>	Y	0	1	1
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>TSSA Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	9	9
<b>Total:</b>			1	40	41

## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
<a href="#">1</a>	EBR	Bryton Capital Corporation	Part of Lot 27, Concession 12, 20 Cedarow Court CITY OF OTTAWA GOULBOURN ON	-/0.0	0.00	<a href="#">16</a>

## Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<a href="#">2</a>	EHS		16 & 20 Cedarow Crt Ottawa ON K2S1V6	NW/70.1	-2.69	<a href="#">16</a>
<a href="#">3</a>	BORE		ON	E/72.7	1.22	<a href="#">16</a>
<a href="#">3</a>	WWIS		lot 27 con 12 ON	E/72.7	1.22	<a href="#">17</a>
<a href="#">4</a>	EHS		16 to 20 Cedarow Court Kanata (Ottawa) ON	NNW/80.8	-2.89	<a href="#">19</a>
<a href="#">5</a>	BORE		ON	E/90.3	2.17	<a href="#">19</a>
<a href="#">6</a>	BORE		ON	E/92.3	2.17	<a href="#">20</a>
<a href="#">7</a>	CA	AUTO SEARCHERS LIMITED	3 CEDAROW COURT, PLAN 4M-691 GOULBOURN TWP. ON	SW/99.8	-1.81	<a href="#">20</a>
<a href="#">7</a>	GEN	AUTO SEARCHERS LTD.	3 CEDAR ROW COURT STITTSVILLE ON	SW/99.8	-1.81	<a href="#">20</a>
<a href="#">8</a>	SPL	PUC	ON VACANT LOT AT CORNER OF HAZELDINE ROAD & FRINGEWOOD DRIVE, STITTSVILLE SANITARY SEWER GOULBOURN TOWNSHIP ON	E/103.2	2.17	<a href="#">21</a>
<a href="#">9</a>	CA	George Carruthers	5 Cedarow Court Ottawa ON K2S 1V6	WSW/108.6	-2.39	<a href="#">21</a>
<a href="#">9</a>	ECA	George Carruthers	5 Cedarow Court Ottawa ON K0A 1L0	WSW/108.6	-2.39	<a href="#">22</a>
<a href="#">9</a>	EHS		5 Cedarow Crt Ottawa ON K2S1V6	WSW/108.6	-2.39	<a href="#">22</a>
<a href="#">10</a>	BORE		ON	E/113.0	2.33	<a href="#">22</a>
<a href="#">11</a>	BORE		ON	S/113.4	0.20	<a href="#">23</a>
<a href="#">12</a>	WWIS		lot 27 con 11 ON	SE/118.2	2.22	<a href="#">23</a>
<a href="#">13</a>	BORE		ON	E/118.6	2.33	<a href="#">26</a>
<a href="#">14</a>	WWIS		lot 26 con 12 STITTSVILLE ON	SSW/129.2	-0.69	<a href="#">26</a>
<a href="#">15</a>	BORE		ON	SSW/136.3	-0.69	<a href="#">28</a>
<a href="#">16</a>	BORE		ON	SSW/151.3	-0.66	<a href="#">29</a>
<a href="#">17</a>	EHS		10 Cedarow Court Stittsville ON K2S 1V6	WSW/152.1	-2.69	<a href="#">29</a>
<a href="#">18</a>	EASR	WELLINGS OF STITTSVILLE INC.	ON	NNE/160.9	-1.24	<a href="#">30</a>
<a href="#">19</a>	BORE		ON	SSW/163.6	0.39	<a href="#">30</a>
<a href="#">20</a>	EHS		5731 Hazeldean Rd Ottawa ON K2S1E6	NNE/169.2	-1.61	<a href="#">30</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">21</a>	ECA	Wellings Communities Holding Inc.	5731 Hazeldean Rd Ottawa ON L1S 3Z2	NNE/173.5	-1.24	<a href="#">31</a>
<a href="#">22</a>	EHS		6 Cedarow Crt Ottawa ON K2S 1V6	SW/182.4	-2.24	<a href="#">31</a>
<a href="#">23</a>	WWIS		lot 26 con 11 ON	SSW/195.1	0.31	<a href="#">31</a>
<a href="#">24</a>	EHS		5 Orchard Drive Stittsville ON	S/203.3	2.44	<a href="#">33</a>
<a href="#">25</a>	CA	4267281 Canada Inc.	8 Cedarow Court Ottawa ON K2S 1V6	WSW/206.0	-2.69	<a href="#">34</a>
<a href="#">25</a>	ECA	4267281 Canada Inc.	8 Cedarow Court Ottawa ON J9A 2Y2	WSW/206.0	-2.69	<a href="#">34</a>
<a href="#">25</a>	EHS		8 Cedarow Court Ottawa ON	WSW/206.0	-2.69	<a href="#">34</a>
<a href="#">25</a>	SCT	Deb's Valley Foods Inc.	8 Cedarow Crt Stittsville ON K2S 1V6	WSW/206.0	-2.69	<a href="#">34</a>
<a href="#">26</a>	WWIS		lot 26 con 11 ON	SSW/222.7	-0.75	<a href="#">35</a>
<a href="#">27</a>	BORE		ON	SSW/225.2	0.31	<a href="#">37</a>
<a href="#">27</a>	WWIS		lot 26 con 11 ON	SSW/225.2	0.31	<a href="#">37</a>
<a href="#">28</a>	WWIS		STITTSVILLE ON	SSE/227.0	4.33	<a href="#">40</a>
<a href="#">29</a>	WWIS		ON	SW/228.0	-2.73	<a href="#">47</a>
<a href="#">30</a>	BORE		ON	E/233.1	2.26	<a href="#">47</a>
<a href="#">31</a>	BORE		ON	SW/234.5	-1.69	<a href="#">48</a>
<a href="#">32</a>	BORE		ON	SSW/240.9	-1.69	<a href="#">48</a>
<a href="#">33</a>	WWIS		lot 26 con 12 STITTSVILLE ON	WSW/241.6	-1.61	<a href="#">49</a>

# Executive Summary: Summary By Data Source

## **BORE - Borehole**

A search of the BORE database, dated 1875-Jul 2014 has found that there are 13 BORE site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	E	72.72	<a href="#"><u>3</u></a>
	ON	E	90.29	<a href="#"><u>5</u></a>
	ON	E	92.27	<a href="#"><u>6</u></a>
	ON	E	112.96	<a href="#"><u>10</u></a>
	ON	S	113.40	<a href="#"><u>11</u></a>
	ON	E	118.61	<a href="#"><u>13</u></a>
	ON	SSW	163.65	<a href="#"><u>19</u></a>
	ON	SSW	225.21	<a href="#"><u>27</u></a>
	ON	E	233.09	<a href="#"><u>30</u></a>

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	SSW	136.32	<a href="#"><u>15</u></a>
	ON	SSW	151.35	<a href="#"><u>16</u></a>
	ON	SW	234.49	<a href="#"><u>31</u></a>
	ON	SSW	240.94	<a href="#"><u>32</u></a>

## **CA - Certificates of Approval**

A search of the CA database, dated 1985-Oct 30, 2011\* has found that there are 3 CA site(s) within approximately 0.25 kilometers of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
AUTO SEARCHERS LIMITED	3 CEDAROW COURT, PLAN 4M-691 GOULBOURN TWP. ON	SW	99.77	<a href="#"><u>7</u></a>



George Carruthers	5 Cedarow Court Ottawa ON K2S 1V6	WSW	108.62	<a href="#">9</a>
4267281 Canada Inc.	8 Cedarow Court Ottawa ON K2S 1V6	WSW	206.05	<a href="#">25</a>

### **EASR - Environmental Activity and Sector Registry**

A search of the EASR database, dated Oct 2011-Jan 31, 2018 has found that there are 1 EASR site(s) within approximately 0.25 kilometers of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
WELLINGS OF STITTSVILLE INC.	ON	NNE	160.94	<a href="#">18</a>

### **EBR - Environmental Registry**

A search of the EBR database, dated 1994-Feb 28, 2018 has found that there are 1 EBR site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Bryton Capital Corporation	Part of Lot 27, Concession 12, 20 Cedarow Court CITY OF OTTAWA GOULBOURN ON	-	0.00	<a href="#">1</a>

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

A search of the ECA database, dated Oct 2011-Jan 31, 2018 has found that there are 3 ECA site(s) within approximately 0.25 kilometers of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
George Carruthers	5 Cedarow Court Ottawa ON K0A 1L0	WSW	108.62	<a href="#">9</a>
Wellings Communities Holding Inc.	5731 Hazeldean Rd Ottawa ON L1S 3Z2	NNE	173.54	<a href="#">21</a>
4267281 Canada Inc.	8 Cedarow Court Ottawa ON J9A 2Y2	WSW	206.05	<a href="#">25</a>

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

A search of the EHS database, dated 1999-Feb 28, 2018 has found that there are 8 EHS site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	5 Orchard Drive Stittsville ON	S	203.26	<a href="#">24</a>

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	16 & 20 Cedarow Crt Ottawa ON K2S1V6	NW	70.05	<a href="#">2</a>

16 to 20 Cedarow Court Kanata (Ottawa) ON	NNW	80.84	<a href="#">4</a>
5 Cedarow Crt Ottawa ON K2S1V6	WSW	108.62	<a href="#">9</a>
10 Cedarow Court Stittsville ON K2S 1V6	WSW	152.12	<a href="#">17</a>
5731 Hazeldean Rd Ottawa ON K2S1E6	NNE	169.21	<a href="#">20</a>
6 Cedarow Crt Ottawa ON K2S 1V6	SW	182.40	<a href="#">22</a>
8 Cedarow Court Ottawa ON	WSW	206.05	<a href="#">25</a>

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

A search of the GEN database, dated 1986-December 31, 2017 has found that there are 1 GEN site(s) within approximately 0.25 kilometers of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
AUTO SEARCHERS LTD.	3 CEDAR ROW COURT STITTSVILLE ON	SW	99.77	<a href="#">7</a>

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

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

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Deb's Valley Foods Inc.	8 Cedarow Crt Stittsville ON K2S 1V6	WSW	206.05	<a href="#">25</a>

### **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Feb 2018 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
PUC	ON VACANT LOT AT CORNER OF HAZELDINE ROAD & FRINGEWOOD DRIVE, STITTSVILLE SANITARY SEWER GOULBOURN TOWNSHIP ON	E	103.17	<a href="#">8</a>

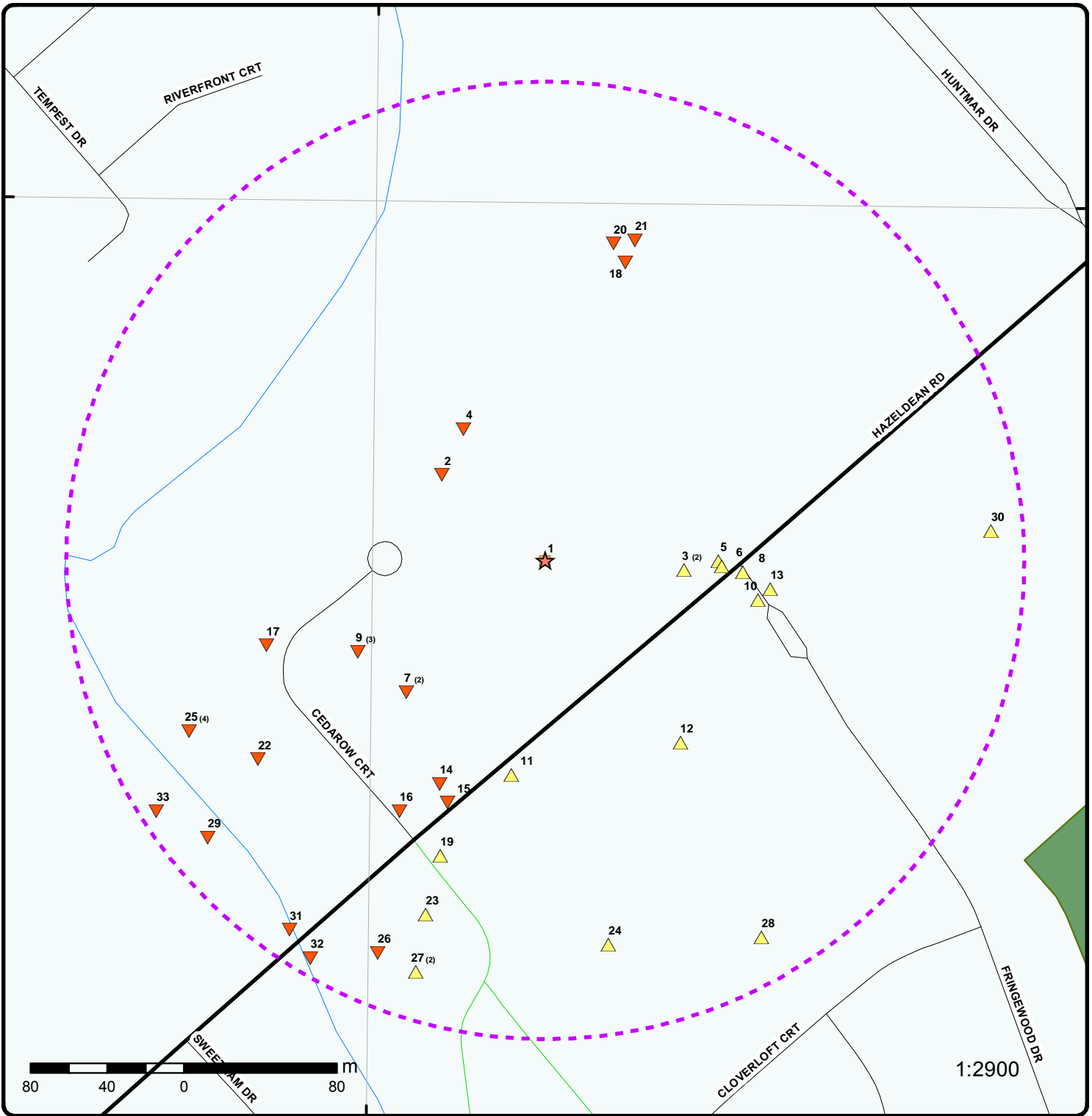
### **WWIS - Water Well Information System**

A search of the WWIS database, dated Mar 31, 2017 has found that there are 9 WWIS site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	lot 27 con 12 ON	E	72.72	<a href="#">3</a>
	lot 27 con 11 ON	SE	118.24	<a href="#">12</a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 26 con 11 ON	SSW	195.09	<a href="#"><u>23</u></a>
	lot 26 con 11 ON	SSW	225.21	<a href="#"><u>27</u></a>
	STITTSVILLE ON	SSE	227.00	<a href="#"><u>28</u></a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 26 con 12 STITTSVILLE ON	SSW	129.21	<a href="#"><u>14</u></a>
	lot 26 con 11 ON	SSW	222.74	<a href="#"><u>26</u></a>
	ON	SW	228.01	<a href="#"><u>29</u></a>
	lot 26 con 12 STITTSVILLE ON	WSW	241.59	<a href="#"><u>33</u></a>



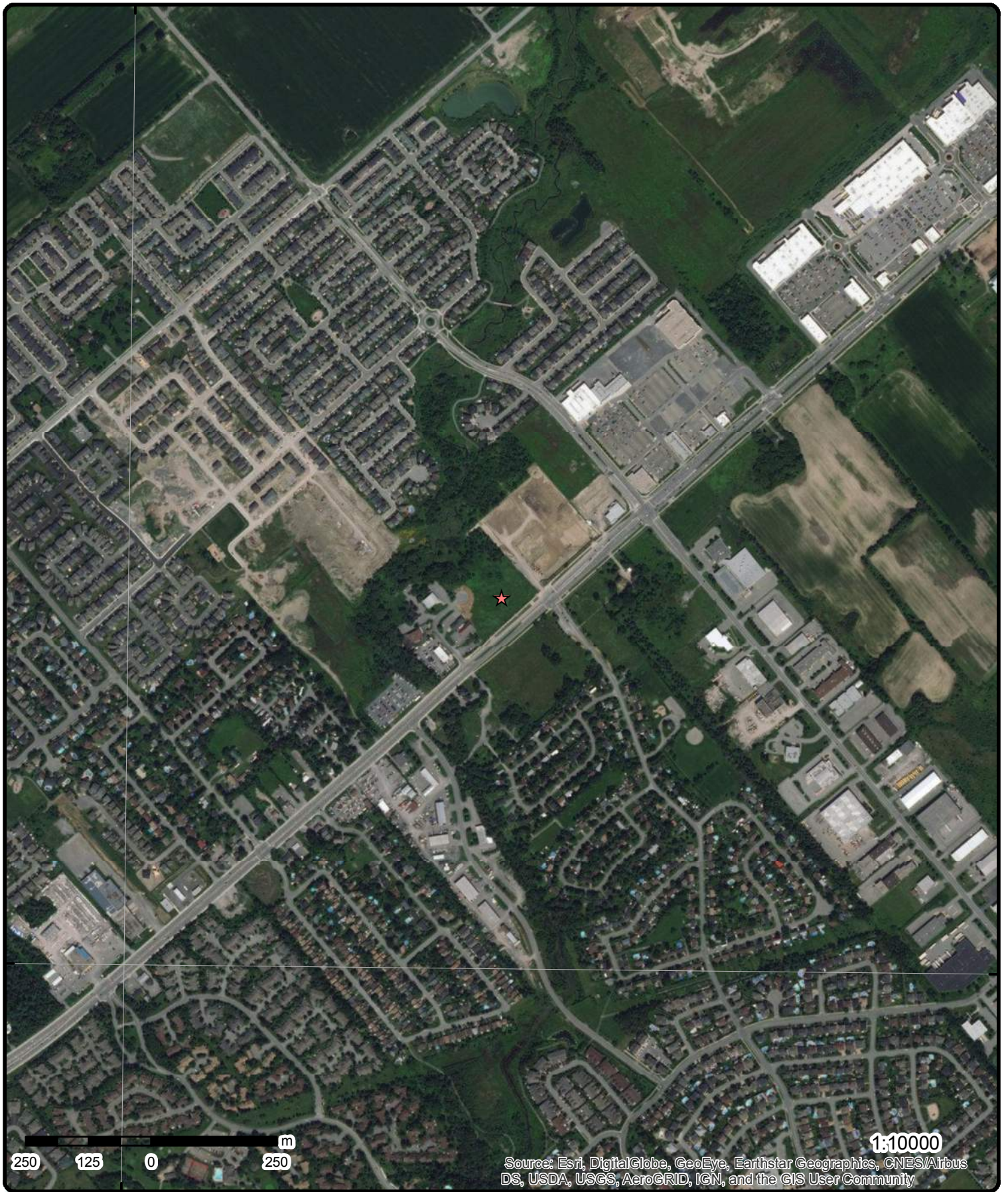
### Map : 0.25 Kilometer Radius

Order No: 20180516023

Address: 20 Cedarow Court, Stittsville, ON, K2S 1V6



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



250 125 0 250 m

1:10000

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

# Aerial (2017)

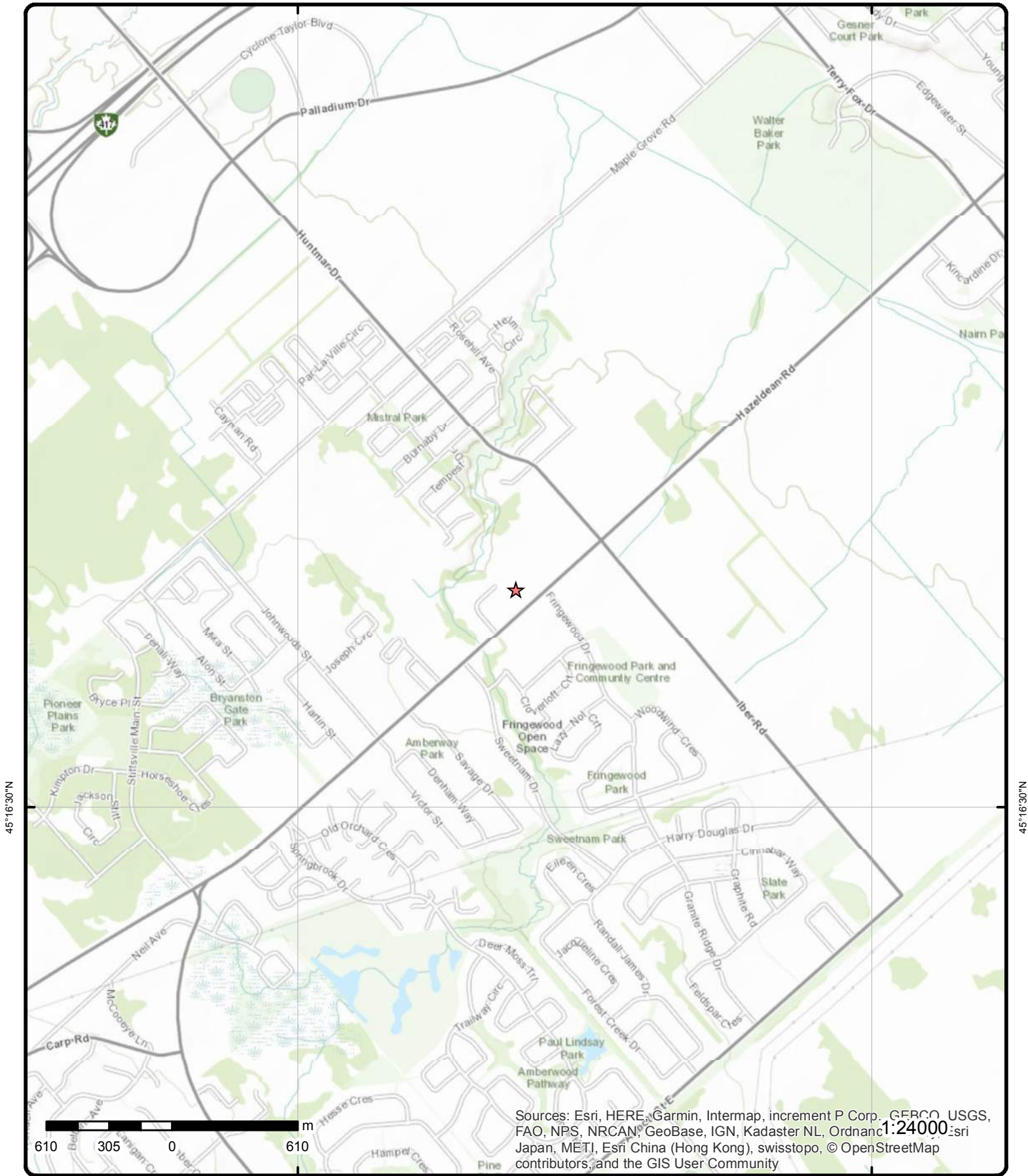
Address: 20 Cedarow Court, Stittsville, ON, K2S 1V6

Source: ESRI World Imagery

Order No: 20180516023



© ERIS Information Limited Partnership



# Topographic Map

Address: 20 Cedarow Court, Stittsville, ON, K2S 1V6

Source: ESRI World Topographic Map

Order No: 20180516023



© ERIS Information Limited Partnership

# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 1	-/0.0	103.6 / 0.00	<b>Bryton Capital Corporation</b> Part of Lot 27, Concession 12, 20 Cedarow Court CITY OF OTTAWA GOULBOURN ON	<b>EBR</b>
<b>EBR Registry No.:</b>		011-3079			
<b>Ministry Ref. No.:</b>		MNR INST 25/11			
<b>Company Name:</b>		Bryton Capital Corporation			
<b>Notice Type:</b>		Instrument Decision			
<b>Notice Date:</b>		April 30, 2012			
<b>Proposal Date:</b>		April 01, 2011			
<b>Year:</b>		2011			
<b>Proponent Address:</b>		121 Richmond Street West , Suite 801, Toronto Ontario, Canada M5H 2K1			
<b>Instrument Type:</b>		(ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species			
<b>Location Other:</b>					
<b>Location:</b>					
Part of Lot 27, Concession 12, 20 Cedarow Court CITY OF OTTAWA GOULBOURN					
<u>2</u>	1 of 1	NW/70.1	100.9 / -2.69	<b>16 &amp; 20 Cedarow Crt</b> Ottawa ON K2S1V6	<b>EHS</b>
<b>Order ID:</b>		366468		<b>Date Received:</b> 19-DEC-14	
<b>Order No:</b>		20141219002		<b>Lot/Building Size:</b>	
<b>Customer ID:</b>		77170		<b>Municipality:</b>	
<b>Company ID:</b>		97		<b>Client Prov/State:</b> ON	
<b>Status:</b>		C		<b>Search Radius (km):</b> .25	
<b>Report Code:</b>		3CAN		<b>Large Radius:</b> 2	
<b>Report Type:</b>		Standard Report		<b>X:</b> -75.916207	
<b>Report Date:</b>		29-DEC-14		<b>Y:</b> 45.282049	
<b>Report Requested by:</b>		exp Services Inc.			
<b>Nearest Intersection:</b>					
<b>Previous Site Name:</b>		Vacant land			
<b>Additional Info Ordered:</b>					
<u>3</u>	1 of 2	E/72.7	104.8 / 1.22	ON	<b>BORE</b>
<b>Borehole ID:</b>		609611		<b>Type:</b> Borehole	
<b>Use:</b>					
<b>Drill Method::</b>					
<b>Easting::</b>		428271		<b>UTM Zone::</b> 18	
<b>Location Accuracy::</b>					
<b>Elev. Reliability Note::</b>					
<b>Total Depth m::</b>		32		<b>Northing::</b> 5014642	
<b>Township::</b>					
<b>Lot::</b>					
<b>Completion Date::</b>		AUG-1957		<b>Orig. Ground Elev m::</b> 103	
<b>Primary Water Use::</b>					
				<b>DEM Ground Elev m::</b> 104	
		<b>Primary Name::</b>			
		<b>Concession::</b>			
		<b>Municipality:</b>			
		<b>Static Water Level::</b> -999.9			
		<b>Sec. Water Use::</b>			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>--Details--</b>					
<b>Stratum ID:</b>	218383632			<b>Top Depth(m):</b>	0.0
<b>Bottom Depth(m):</b>	2.1			<b>Stratum Desc:</b>	SOIL,SAND.
<b>Stratum ID:</b>	218383633			<b>Top Depth(m):</b>	2.1
<b>Bottom Depth(m):</b>	32.0			<b>Stratum Desc:</b>	LIMESTONE. GREY. 001100 FEET.BEDROCK,LIMESTONE. CK. SEISMIC VELOCITY = 1150

<u>3</u>	2 of 2	E/72.7	104.8 / 1.22	lot 27 con 12 ON	WWIS
<b>Well ID:</b>	1502983			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	10/15/1957
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	3114
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevation (m):</b>				<b>Municipality:</b>	GOULBOURN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	027
<b>Well Depth:</b>				<b>Concession:</b>	12
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

#### Bore Hole Information

<b>Bore Hole ID:</b>	10025026			<b>Spatial Status:</b>	
<b>DP2BR:</b>	7			<b>Cluster Kind:</b>	
<b>Code OB:</b>	r			<b>UTMRC:</b>	5
<b>Code OB Desc:</b>	Bedrock			<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Open Hole:</b>				<b>Location Method:</b>	p5
<b>Elevation:</b>	104.759773			<b>Org CS:</b>	
<b>Elevrc:</b>				<b>Date Completed:</b>	8/29/1957
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

#### Overburden and Bedrock

##### Materials Interval

<b>Formation ID:</b>	930995718
<b>Layer:</b>	1
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	02
<b>Most Common Material:</b>	TOPSOIL
<b>Mat2:</b>	09
<b>Other Materials:</b>	MEDIUM SAND
<b>Mat3:</b>	



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0.00			
<b>Formation End Depth:</b>		7.00			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>		930995719			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		7.00			
<b>Formation End Depth:</b>		105.00			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961502983			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10573596			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930042833			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		25.00			
<b>Casing Diameter:</b>		4.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b>Casing ID:</b>		930042834			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		105.00			
<b>Casing Diameter:</b>		4.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991502983			
<b>Pump Set At:</b>					
<b>Static Level:</b>		25.00			
<b>Final Level After Pumping:</b>		30.00			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		7.00			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		N			
<b>Water Details</b>					
<b>Water ID:</b>		933455807			
<b>Layer:</b>		1			
<b>Kind Code:</b>		3			
<b>Kind:</b>		SULPHUR			
<b>Water Found Depth:</b>		105.00			
<b>Water Found Depth UOM:</b>		ft			
<u>4</u>	1 of 1	NNW/80.8	100.7 / -2.89	16 to 20 Cedarow Court Kanata (Ottawa) ON	EHS
<b>Order ID:</b>	163259			<b>Date Received:</b>	3/31/2009
<b>Order No:</b>	20090331030			<b>Lot/Building Size:</b>	
<b>Customer ID:</b>	77170			<b>Municipality:</b>	
<b>Company ID:</b>	97			<b>Client Prov/State:</b>	ON
<b>Status:</b>	C			<b>Search Radius (km):</b>	0.25
<b>Report Code:</b>	3CAN			<b>Large Radius:</b>	2
<b>Report Type:</b>	Standard Report			<b>X:</b>	-75.916067
<b>Report Date:</b>	4/9/2009			<b>Y:</b>	45.282266
<b>Report Requested by:</b>	Trow Associates Inc.				
<b>Nearest Intersection:</b>					
<b>Previous Site Name:</b>					
<b>Additional Info Ordered:</b>					
<u>5</u>	1 of 1	E/90.3	105.7 / 2.17	ON	BORE
<b>Borehole ID:</b>	808428			<b>Type:</b>	Borehole
<b>Use:</b>	Geotechnical/Geological Investigation			<b>Status::</b>	
<b>Drill Method::</b>	Hollow stem auger			<b>UTM Zone::</b>	18
<b>Easting::</b>	428288.32			<b>Northing::</b>	5014646.39
<b>Location Accuracy::</b>				<b>Orig. Ground Elev m::</b>	104
<b>Elev. Reliability Note::</b>				<b>DEM Ground Elev m::</b>	103
<b>Total Depth m::</b>	3.7			<b>Primary Name::</b>	BH 04-4B
<b>Township::</b>				<b>Concession::</b>	
<b>Lot::</b>				<b>Municipality:</b>	
<b>Completion Date::</b>	07-MAY-2004			<b>Static Water Level::</b>	-999.9
<b>Primary Water Use::</b>				<b>Sec. Water Use::</b>	
<b>--Details--</b>					
<b>Stratum ID:</b>	218596291			<b>Top Depth(m):</b>	0.0
<b>Bottom Depth(m):</b>	0.1			<b>Stratum Desc:</b>	Asphalt
<b>Stratum ID:</b>	218596292			<b>Top Depth(m):</b>	0.1
<b>Bottom Depth(m):</b>	0.5			<b>Stratum Desc:</b>	Grey Crushed Stone BASE
<b>Stratum ID:</b>	218596293			<b>Top Depth(m):</b>	0.5
<b>Bottom Depth(m):</b>	1.1			<b>Stratum Desc:</b>	Brown Subbase Sand - Gravel

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Stratum ID:</b> <b>Bottom Depth(m):</b>	218596294 1.7			<b>Top Depth(m):</b> <b>Stratum Desc:</b>	1.1 Dark Brown to Black clay silt
<b>Stratum ID:</b> <b>Bottom Depth(m):</b>	218596295 2.7			<b>Top Depth(m):</b> <b>Stratum Desc:</b>	1.7 Brown Loose to Compact Silt With: Sa Trace: Cl
<b>Stratum ID:</b> <b>Bottom Depth(m):</b>	218596296 3.7			<b>Top Depth(m):</b> <b>Stratum Desc:</b>	2.7 Brown to Grey Compact Till Silt - Sand With: Gr Trace: Cl

<u>6</u>	1 of 1	E/92.3	105.7 / 2.17	ON	BORE
<b>Borehole ID:</b> <b>Use:</b> <b>Drill Method::</b> <b>Easting::</b> <b>Location Accuracy::</b> <b>Elev. Reliability Note::</b> <b>Total Depth m::</b> <b>Township::</b> <b>Lot::</b> <b>Completion Date::</b> <b>Primary Water Use::</b>	808503 Geotechnical/Geological Investigation Hand auger 428290.28  1.5  10-MAY-2004			<b>Type:</b> <b>Status::</b> <b>UTM Zone::</b> <b>Northing::</b> <b>Orig. Ground Elev m::</b> <b>DEM Ground Elev m::</b> <b>Primary Name::</b> <b>Concession::</b> <b>Municipality:</b> <b>Static Water Level::</b> <b>Sec. Water Use::</b>	Borehole  18 5014643.85 -999.9 103 AH 04-3  -999.9
<b>--Details--</b> <b>Stratum ID:</b> <b>Bottom Depth(m):</b>	218596612 0.2			<b>Top Depth(m):</b> <b>Stratum Desc:</b>	0.0 Asphalt
<b>Stratum ID:</b> <b>Bottom Depth(m):</b>	218596613 0.7			<b>Top Depth(m):</b> <b>Stratum Desc:</b>	0.2 Grey Crushed Stone BASE
<b>Stratum ID:</b> <b>Bottom Depth(m):</b>	218596614 1.0			<b>Top Depth(m):</b> <b>Stratum Desc:</b>	0.7 Brown Subbase Sand - Gravel Occasional: Cob
<b>Stratum ID:</b> <b>Bottom Depth(m):</b>	218596615 1.5			<b>Top Depth(m):</b> <b>Stratum Desc:</b>	1.0 Brown Fill-Misc Silt With: Sa W Gr

<u>7</u>	1 of 2	SW/99.8	101.8 / -1.81	AUTO SEARCHERS LIMITED 3 CEDAROW COURT, PLAN 4M-691 GOULBOURN TWP. ON	CA
<b>Certificate #:</b> <b>Application Year:</b> <b>Issue Date:</b> <b>Approval Type:</b> <b>Status:</b> <b>Application Type:</b> <b>Client Name::</b> <b>Client Address::</b> <b>Client City::</b> <b>Client Postal Code::</b> <b>Project Description::</b> <b>Contaminants::</b> <b>Emission Control::</b>	8-4227-95-966 95 1/29/96 Industrial air Received in 1995, Issued in 1996    WASTE OIL FURNACE MODEL CB-1400 Suspended Particulate Matter, Sulphur Dioxide, Nitrogen Oxides, Zinc				

<u>7</u>	2 of 2	SW/99.8	101.8 / -1.81	AUTO SEARCHERS LTD. 3 CEDAR ROW COURT	GEN
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>STITTSVILLE ON</b>					
<b>Generator No.:</b>	ON2099400			<b>PO Box No.:</b>	
<b>Status:</b>				<b>Country:</b>	
<b>Approval Years:</b>	95,96,97,98,99,00,01			<b>Choice of Contact:</b>	
<b>Contam. Facility:</b>				<b>Co Admin:</b>	
<b>MHSW Facility:</b>				<b>Phone No. Admin:</b>	
<b>SIC Code:</b>	6351				
<b>SIC Description:</b>		GARAGES(GEN. REPAIR)			
<b>--Details--</b>					
<b>Waste Code:</b>		252			
<b>Waste Description:</b>		WASTE OILS & LUBRICANTS			

<u>8</u>	1 of 1	E/103.2	105.7 / 2.17	PUC ON VACANT LOT AT CORNER OF HAZELDINE ROAD & FRINGEWOOD DRIVE, STITTSVILLE SANITARY SEWER GOULBOURN TOWNSHIP ON	SPL
<b>Ref No:</b>	149973			<b>Discharger Report:</b>	
<b>Site No:</b>				<b>Material Group:</b>	
<b>Incident Dt:</b>	12/6/1997			<b>Client Type:</b>	
<b>Year:</b>				<b>Sector Type:</b>	
<b>Incident Cause:</b>	PIPE/HOSE LEAK			<b>Source Type:</b>	
<b>Incident Event:</b>				<b>Nearest Watercourse:</b>	
<b>Contaminant Code:</b>				<b>Site Name:</b>	
<b>Contaminant Name:</b>				<b>Site Address:</b>	
<b>Contaminant Limit 1:</b>				<b>Site District Office:</b>	
<b>Contam Limit Freq 1:</b>				<b>Site County/District:</b>	
<b>Contaminant UN No 1:</b>				<b>Site Postal Code:</b>	
<b>Contaminant Qty:</b>				<b>Site Region:</b>	
<b>Environment Impact:</b>	POSSIBLE			<b>Site Municipality:</b>	20604
<b>Nature of Impact:</b>	Soil contamination			<b>Site Lot:</b>	
<b>Receiving Medium:</b>	LAND			<b>Site Conc:</b>	
<b>Receiving Env:</b>				<b>Northing:</b>	
<b>Health/Env Conseq:</b>				<b>Easting:</b>	
<b>MOE Response:</b>				<b>Site Geo Ref Accu:</b>	
<b>Dt MOE Arvl on Scn:</b>				<b>Site Geo Ref Meth:</b>	
<b>MOE Reported Dt:</b>	12/6/1997			<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>					
<b>SAC Action Class:</b>					
<b>Incident Reason:</b>		EQUIPMENT FAILURE			
<b>Incident Summary:</b>		GOULBOURNE TWP PUC:225 L RAW SEWAGE TO GROUND WHENFORCEMAIN OVERFLOWED.			

<u>9</u>	1 of 3	WSW/108.6	101.2 / -2.39	George Carruthers 5 Cedarow Court Ottawa ON K2S 1V6	CA
<b>Certificate #:</b>	9533-5SXQ6U				
<b>Application Year:</b>	2003				
<b>Issue Date:</b>	11/3/2003				
<b>Approval Type:</b>	Industrial Sewage Works				
<b>Status:</b>	Approved				
<b>Application Type:</b>					
<b>Client Name::</b>					
<b>Client Address::</b>					
<b>Client City::</b>					
<b>Client Postal Code::</b>					
<b>Project Description::</b>					
<b>Contaminants::</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Emission Control::</b>					
<a href="#">9</a>	2 of 3	WSW/108.6	101.2 / -2.39	George Carruthers 5 Cedarow Court Ottawa ON K0A 1L0	ECA
<b>Approval No:</b>	9533-5SXQ6U			<b>MOE District:</b>	Ottawa
<b>Approval Type:</b>	ECA-INDUSTRIAL SEWAGE WORKS			<b>SWP Area Name:</b>	Mississippi Valley
<b>Status:</b>	Approved			<b>Address:</b>	5 Cedarow Court
<b>Approval Date:</b>	2003-11-03			<b>City:</b>	Ottawa
<b>Record Type:</b>	ECA			<b>Longitude:</b>	-75.91671
<b>Project Type:</b>	INDUSTRIAL SEWAGE WORKS			<b>Latitude:</b>	45.281216
<b>Link Source:</b>	IDS				
<b>Full Address:</b>					
<b>Full PDF Link:</b>	<a href="https://www.accessenvironment.ene.gov.on.ca/instruments/7598-5QSPT5-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/7598-5QSPT5-14.pdf</a>				
<a href="#">9</a>	3 of 3	WSW/108.6	101.2 / -2.39	5 Cedarow Crt Ottawa ON K2S1V6	EHS
<b>Order ID:</b>	451983			<b>Date Received:</b>	11-APR-16
<b>Order No:</b>	20160411153			<b>Lot/Building Size:</b>	
<b>Customer ID:</b>	77170			<b>Municipality:</b>	
<b>Company ID:</b>	97			<b>Client Prov/State:</b>	ON
<b>Status:</b>	C			<b>Search Radius (km):</b>	.25
<b>Report Code:</b>	3CAN			<b>Large Radius:</b>	.5
<b>Report Type:</b>	Standard Report			<b>X:</b>	-75.916697
<b>Report Date:</b>	18-APR-16			<b>Y:</b>	45.2812
<b>Report Requested by:</b>	exp Services Inc.				
<b>Nearest Intersection:</b>					
<b>Previous Site Name:</b>					
<b>Additional Info Ordered:</b>					
<a href="#">10</a>	1 of 1	E/113.0	105.9 / 2.33	ON	BORE
<b>Borehole ID:</b>	808500			<b>Type:</b>	Borehole
<b>Use:</b>	Geotechnical/Geological Investigation			<b>Status::</b>	
<b>Drill Method::</b>	Hand auger			<b>UTM Zone::</b>	18
<b>Easting::</b>	428309.1			<b>Northing::</b>	5014626
<b>Location Accuracy::</b>				<b>Orig. Ground Elev m::</b>	-999.9
<b>Elev. Reliability Note::</b>				<b>DEM Ground Elev m::</b>	101
<b>Total Depth m::</b>	1.1			<b>Primary Name::</b>	AH 04-2
<b>Township::</b>				<b>Concession::</b>	
<b>Lot::</b>				<b>Municipality:</b>	
<b>Completion Date::</b>	10-MAY-2004			<b>Static Water Level::</b>	-999.9
<b>Primary Water Use::</b>				<b>Sec. Water Use::</b>	
<b>--Details--</b>					
<b>Stratum ID:</b>	218596599			<b>Top Depth(m):</b>	0.0
<b>Bottom Depth(m):</b>	0.2			<b>Stratum Desc:</b>	Asphalt
<b>Stratum ID:</b>	218596600			<b>Top Depth(m):</b>	0.2
<b>Bottom Depth(m):</b>	0.2			<b>Stratum Desc:</b>	Brown Base Sand - Gravel
<b>Stratum ID:</b>	218596601			<b>Top Depth(m):</b>	0.2
<b>Bottom Depth(m):</b>	0.7			<b>Stratum Desc:</b>	Brown Subbase Sand - Gravel Occasional: Cob
<b>Stratum ID:</b>	218596602			<b>Top Depth(m):</b>	0.7
<b>Bottom Depth(m):</b>	1.1			<b>Stratum Desc:</b>	Brown Fill-Misc Silt - Sand With: Gr

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">11</a>	1 of 1	S/113.4	103.8 / 0.20	ON	BORE
<b>Borehole ID:</b>	808421			<b>Type:</b>	Borehole
<b>Use:</b>	Geotechnical/Geological Investigation			<b>Status::</b>	
<b>Drill Method::</b>	Hollow stem auger			<b>UTM Zone::</b>	18
<b>Easting::</b>	428180.23			<b>Northing::</b>	5014534.91
<b>Location Accuracy::</b>				<b>Orig. Ground Elev m::</b>	105
<b>Elev. Reliability Note::</b>				<b>DEM Ground Elev m::</b>	105
<b>Total Depth m::</b>	2.9			<b>Primary Name::</b>	BH 04-4A
<b>Township::</b>				<b>Concession::</b>	
<b>Lot::</b>				<b>Municipality:</b>	
<b>Completion Date::</b>	07-MAY-2004			<b>Static Water Level::</b>	-999.9
<b>Primary Water Use::</b>				<b>Sec. Water Use::</b>	
<b>--Details--</b>					
<b>Stratum ID:</b>	218596264			<b>Top Depth(m):</b>	0.0
<b>Bottom Depth(m):</b>	0.4			<b>Stratum Desc:</b>	Asphalt
<b>Stratum ID:</b>	218596265			<b>Top Depth(m):</b>	0.4
<b>Bottom Depth(m):</b>	0.6			<b>Stratum Desc:</b>	Grey Crushed Stone BASE
<b>Stratum ID:</b>	218596266			<b>Top Depth(m):</b>	0.6
<b>Bottom Depth(m):</b>	1.5			<b>Stratum Desc:</b>	Dark Brown Loose Fill-Misc sand silt Trace: Gr Tr Org M
<b>Stratum ID:</b>	218596267			<b>Top Depth(m):</b>	1.5
<b>Bottom Depth(m):</b>	1.7			<b>Stratum Desc:</b>	Dark Brown Topsoil
<b>Stratum ID:</b>	218596268			<b>Top Depth(m):</b>	1.7
<b>Bottom Depth(m):</b>	1.8			<b>Stratum Desc:</b>	Brown to Grey Silt Trace: Sa
<b>Stratum ID:</b>	218596269			<b>Top Depth(m):</b>	1.8
<b>Bottom Depth(m):</b>	2.9			<b>Stratum Desc:</b>	Brown Till Silt - Sand With: Gr Trace: Cl
<a href="#">12</a>	1 of 1	SE/118.2	105.8 / 2.22	lot 27 con 11 ON	WWIS
<b>Well ID:</b>	1514633			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	5/7/1975
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	3658
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevation (m):</b>				<b>Municipality:</b>	GOULBOURN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	027
<b>Well Depth:</b>				<b>Concession:</b>	11
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**Bore Hole Information**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Bore Hole ID:</b>	10036605			<b>Spatial Status:</b>	
<b>DP2BR:</b>	3			<b>Cluster Kind:</b>	
<b>Code OB:</b>	r			<b>UTMRC:</b>	4
<b>Code OB Desc:</b>	Bedrock			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Open Hole:</b>				<b>Location Method:</b>	p4
<b>Elevation:</b>	102.926322			<b>Org CS:</b>	
<b>Elevrc:</b>				<b>Date Completed:</b>	7/15/1974
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931026850  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 02  
**Most Common Material:** TOPSOIL  
**Mat2:**  
**Other Materials:**  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 0.00  
**Formation End Depth:** 3.00  
**Formation End Depth UOM:** ft

**Formation ID:** 931026851  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Other Materials:**  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 3.00  
**Formation End Depth:** 88.00  
**Formation End Depth UOM:** ft

**Method of Construction & Well**

**Use**

**Method Construction ID:** 961514633  
**Method Construction Code:** 5  
**Method Construction:** Air Percussion  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10585175  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Casing ID:</b>		930064699			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		18.00			
<b>Casing Diameter:</b>		6.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b>Casing ID:</b>		930064700			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		88.00			
<b>Casing Diameter:</b>		6.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991514633			
<b>Pump Set At:</b>					
<b>Static Level:</b>		8.00			
<b>Final Level After Pumping:</b>		30.00			
<b>Recommended Pump Depth:</b>		32.00			
<b>Pumping Rate:</b>		17.00			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		15.00			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		2			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		N			
<b><u>Draw Down &amp; Recovery</u></b>					
<b>Pump Test Detail ID:</b>		934100456			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		15			
<b>Test Level:</b>		30.00			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		934383055			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		30			
<b>Test Level:</b>		30.00			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		934644043			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		45			
<b>Test Level:</b>		30.00			
<b>Test Level UOM:</b>		ft			
<b>Pump Test Detail ID:</b>		934901512			
<b>Test Type:</b>		Draw Down			
<b>Test Duration:</b>		60			
<b>Test Level:</b>		30.00			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level UOM:		ft			
<b><u>Water Details</u></b>					
Water ID:	933470532				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	86.00				
Water Found Depth UOM:	ft				

<u>13</u>	1 of 1	E/118.6	105.9 / 2.33	ON	BORE
<b>Borehole ID:</b>	808499			<b>Type:</b>	Borehole
<b>Use:</b>	Geotechnical/Geological Investigation			<b>Status::</b>	
<b>Drill Method::</b>	Hand auger			<b>UTM Zone::</b>	18
<b>Easting::</b>	428315.74			<b>Northing::</b>	5014631.88
<b>Location Accuracy::</b>				<b>Orig. Ground Elev m::</b>	-999.9
<b>Elev. Reliability Note::</b>				<b>DEM Ground Elev m::</b>	101
<b>Total Depth m::</b>	1.5			<b>Primary Name::</b>	AH 04-1
<b>Township::</b>				<b>Concession::</b>	
<b>Lot::</b>				<b>Municipality:</b>	
<b>Completion Date::</b>	10-MAY-2004			<b>Static Water Level::</b>	-999.9
<b>Primary Water Use::</b>				<b>Sec. Water Use::</b>	
<b>--Details--</b>					
<b>Stratum ID:</b>	218596594			<b>Top Depth(m):</b>	0.0
<b>Bottom Depth(m):</b>	0.2			<b>Stratum Desc:</b>	Asphalt
<b>Stratum ID:</b>	218596595			<b>Top Depth(m):</b>	0.2
<b>Bottom Depth(m):</b>	0.3			<b>Stratum Desc:</b>	Brown Base Sand - Gravel
<b>Stratum ID:</b>	218596596			<b>Top Depth(m):</b>	0.3
<b>Bottom Depth(m):</b>	0.9			<b>Stratum Desc:</b>	Brown Subbase Sand - Gravel Occasional: Cob
<b>Stratum ID:</b>	218596597			<b>Top Depth(m):</b>	0.9
<b>Bottom Depth(m):</b>	1.4			<b>Stratum Desc:</b>	Grey Silty Clay With: Org M
<b>Stratum ID:</b>	218596598			<b>Top Depth(m):</b>	1.4
<b>Bottom Depth(m):</b>	1.5			<b>Stratum Desc:</b>	Grey-Brown Silt With: Sa

<u>14</u>	1 of 1	SSW/129.2	102.9 / -0.69	lot 26 con 12 STITTSVILLE ON	WWIS
<b>Well ID:</b>	1534817			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>				<b>Date Received:</b>	7/27/2004
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Observation Wells			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1844
<b>Casing Material:</b>				<b>Form Version:</b>	3
<b>Audit No:</b>	Z11980			<b>Owner:</b>	
<b>Tag:</b>	A011944			<b>Street Name:</b>	CAMP ROAD TO IBEN ROAD
<b>Construction Method:</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevation (m):</b>				<b>Municipality:</b>	GOULBOURN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	026
<b>Well Depth:</b>				<b>Concession:</b>	12
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Flowing (Y/N):  
Flow Rate:  
Clear/Cloudy:

Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 11172569  
DP2BR:  
Code OB: 0  
Code OB Desc: Overburden  
Open Hole:  
Elevation: 105.419769  
Elevrc:  
Remarks:  
Elevrc Desc:  
Location Source Date:  
Improvement Location Source:  
Improvement Location Method:  
Source Revision Comment:  
Supplier Comment:

Spatial Status:  
Cluster Kind:  
UTMRC: 3  
UTMRC Desc: margin of error : 10 - 30 m  
Location Method: wwr  
Org CS: UTM83  
Date Completed: 7/8/2004

**Overburden and Bedrock  
Materials Interval**

Formation ID: 932968229  
Layer: 1  
Color: 6  
General Color: BROWN  
Mat1: 28  
Most Common Material: SAND  
Mat2: 06  
Other Materials: SILT  
Mat3: 11  
Other Materials: GRAVEL  
Formation Top Depth: 0.00  
Formation End Depth: 26.00  
Formation End Depth UOM: m

**Annular Space/Abandonment  
Sealing Record**

Plug ID: 933253001  
Layer: 1  
Plug From: 0.00  
Plug To: 1.80  
Plug Depth UOM: m

Plug ID: 933253002  
Layer: 2  
Plug From: 1.80  
Plug To: 2.20  
Plug Depth UOM: m

**Method of Construction & Well  
Use**

Method Construction ID: 961534817  
Method Construction Code: B  
Method Construction: Other Method  
Other Method Construction:

**Pipe Information**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Pipe ID:</b>		11181088			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930842694			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		1.50			
<b>Casing Diameter:</b>		5.10			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		933409099			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		1.50			
<b>Screen End Depth:</b>		2.10			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		6.50			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		934050210			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		1.00			
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		11305628			
<b>Diameter:</b>		10.00			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		2.00			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			

<b>15</b>	<b>1 of 1</b>	<b>SSW/136.3</b>	<b>102.9 / -0.69</b>	<b>ON</b>	<b>BORE</b>
<b>Borehole ID:</b>	808505			<b>Type:</b>	Borehole
<b>Use:</b>	Geotechnical/Geological Investigation			<b>Status::</b>	
<b>Drill Method::</b>	Hand auger			<b>UTM Zone::</b>	18
<b>Easting::</b>	428146.96			<b>Northing::</b>	5014520.53
<b>Location Accuracy::</b>				<b>Orig. Ground Elev m::</b>	-999.9
<b>Elev. Reliability Note::</b>				<b>DEM Ground Elev m::</b>	105
<b>Total Depth m::</b>	1.5			<b>Primary Name::</b>	AH 04-4C
<b>Township::</b>				<b>Concession::</b>	
<b>Lot::</b>				<b>Municipality:</b>	
<b>Completion Date::</b>	10-MAY-2004			<b>Static Water Level::</b>	-999.9
<b>Primary Water Use::</b>				<b>Sec. Water Use::</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>--Details--</b>					
<b>Stratum ID:</b>	218596620			<b>Top Depth(m):</b>	0.0
<b>Bottom Depth(m):</b>	0.2			<b>Stratum Desc:</b>	Asphalt
<b>Stratum ID:</b>	218596621			<b>Top Depth(m):</b>	0.2
<b>Bottom Depth(m):</b>	0.3			<b>Stratum Desc:</b>	Grey Crushed Stone BASE
<b>Stratum ID:</b>	218596622			<b>Top Depth(m):</b>	0.3
<b>Bottom Depth(m):</b>	1.2			<b>Stratum Desc:</b>	Brown Subbase Sand - Gravel Occasional: Cob
<b>Stratum ID:</b>	218596623			<b>Top Depth(m):</b>	1.2
<b>Bottom Depth(m):</b>	1.5			<b>Stratum Desc:</b>	Brown to Grey Fill-Misc Silt - Sand With: Gr Trace: Cl Tr Org M

<b>16</b>	1 of 1	<b>SSW/151.3</b>	<b>102.9 / -0.66</b>	<b>ON</b>	<b>BORE</b>
<b>Borehole ID:</b>	808711			<b>Type:</b>	Borehole
<b>Use:</b>	Geotechnical/Geological Investigation			<b>Status::</b>	
<b>Drill Method::</b>	Hand auger			<b>UTM Zone::</b>	18
<b>Easting::</b>	428122.07			<b>Northing::</b>	5014515.99
<b>Location Accuracy::</b>				<b>Orig. Ground Elev m::</b>	-999.9
<b>Elev. Reliability Note::</b>				<b>DEM Ground Elev m::</b>	105
<b>Total Depth m::</b>	1.5			<b>Primary Name::</b>	AH 04-5
<b>Township::</b>				<b>Concession::</b>	
<b>Lot::</b>				<b>Municipality:</b>	
<b>Completion Date::</b>	10-MAY-2004			<b>Static Water Level::</b>	-999.9
<b>Primary Water Use::</b>				<b>Sec. Water Use::</b>	
<b>--Details--</b>					
<b>Stratum ID:</b>	218597438			<b>Top Depth(m):</b>	0.0
<b>Bottom Depth(m):</b>	0.0			<b>Stratum Desc:</b>	Asphalt
<b>Stratum ID:</b>	218597439			<b>Top Depth(m):</b>	0.0
<b>Bottom Depth(m):</b>	0.3			<b>Stratum Desc:</b>	Grey Crushed Stone BASE
<b>Stratum ID:</b>	218597440			<b>Top Depth(m):</b>	0.3
<b>Bottom Depth(m):</b>	1.1			<b>Stratum Desc:</b>	Brown Subbase Sand - Gravel With: Si Occasional: Cob
<b>Stratum ID:</b>	218597441			<b>Top Depth(m):</b>	1.1
<b>Bottom Depth(m):</b>	1.5			<b>Stratum Desc:</b>	Brown to Grey Silt With: Sa

<b>17</b>	1 of 1	<b>WSW/152.1</b>	<b>100.9 / -2.69</b>	<b>10 Cedarow Court Stittsville ON K2S 1V6</b>	<b>EHS</b>
<b>Order ID:</b>	62378			<b>Date Received:</b>	10/20/2005
<b>Order No:</b>	20051020005			<b>Lot/Building Size:</b>	
<b>Customer ID:</b>	43027			<b>Municipality:</b>	
<b>Company ID:</b>	77			<b>Client Prov/State:</b>	ON
<b>Status:</b>	C			<b>Search Radius (km):</b>	0.25
<b>Report Code:</b>	4CAN			<b>Large Radius:</b>	2
<b>Report Type:</b>	Custom Report			<b>X:</b>	-75.917434
<b>Report Date:</b>	10/28/2005			<b>Y:</b>	45.281223
<b>Report Requested by:</b>	Pinchin Environmental Ltd.				
<b>Nearest Intersection:</b>					
<b>Previous Site Name:</b>					
<b>Additional Info Ordered:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">18</a>	1 of 1	NNE/160.9	102.3 / -1.24	WELLINGS OF STITTSVILLE INC. ON	EASR
<b>Approval No:</b>	R-009-3110135431			<b>SWP Area Name:</b> Mississippi Valley	
<b>Status:</b>	REGISTERED			<b>MOE District:</b> Ottawa	
<b>Date:</b>	2017-05-10			<b>City:</b>	
<b>Record Type:</b>	EASR			<b>Latitude:</b> 45.28305556	
<b>Link Source:</b>	MOFA			<b>Longitude:</b> -75.915	
<b>Full Address:</b>					
<b>Project Type:</b>	Water Taking - Construction Dewatering				
<b>Approval Type:</b>	EASR-Water Taking - Construction Dewatering				
<b>Full PDF Link:</b>	<a href="http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2035788">http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2035788</a>				

<a href="#">19</a>	1 of 1	SSW/163.6	104.0 / 0.39	ON	BORE
<b>Borehole ID:</b>	808508			<b>Type:</b> Borehole	
<b>Use:</b>	Geotechnical/Geological Investigation			<b>Status::</b>	
<b>Drill Method::</b>	Hand auger			<b>UTM Zone::</b>	18
<b>Easting::</b>	428143.35			<b>Northing::</b>	5014492.6
<b>Location Accuracy::</b>				<b>Orig. Ground Elev m::</b>	-999.9
<b>Elev. Reliability Note::</b>				<b>DEM Ground Elev m::</b>	103
<b>Total Depth m::</b>	1.5			<b>Primary Name::</b>	AH 04-6
<b>Township::</b>				<b>Concession::</b>	
<b>Lot::</b>				<b>Municipality:</b>	
<b>Completion Date::</b>	10-MAY-2004			<b>Static Water Level::</b>	-999.9
<b>Primary Water Use::</b>				<b>Sec. Water Use::</b>	
<b>--Details--</b>					
<b>Stratum ID:</b>	218596636			<b>Top Depth(m):</b>	0.0
<b>Bottom Depth(m):</b>	0.1			<b>Stratum Desc:</b>	Asphalt
<b>Stratum ID:</b>	218596637			<b>Top Depth(m):</b>	0.1
<b>Bottom Depth(m):</b>	0.2			<b>Stratum Desc:</b>	Grey Crushed Stone BASE
<b>Stratum ID:</b>	218596638			<b>Top Depth(m):</b>	0.2
<b>Bottom Depth(m):</b>	0.5			<b>Stratum Desc:</b>	Grey Subbase Sand - Gravel
<b>Stratum ID:</b>	218596639			<b>Top Depth(m):</b>	0.5
<b>Bottom Depth(m):</b>	0.6			<b>Stratum Desc:</b>	Topsoil
<b>Stratum ID:</b>	218596640			<b>Top Depth(m):</b>	0.6
<b>Bottom Depth(m):</b>	1.5			<b>Stratum Desc:</b>	Brown Till Silt - Sand With: Gr Trace: Cl

<a href="#">20</a>	1 of 1	NNE/169.2	102.0 / -1.61	5731 Hazeldean Rd Ottawa ON K2S1E6	EHS
<b>Order ID:</b>	435764			<b>Date Received:</b> 02-DEC-15	
<b>Order No:</b>	20151202137			<b>Lot/Building Size:</b>	
<b>Customer ID:</b>	98167			<b>Municipality:</b>	
<b>Company ID:</b>	77			<b>Client Prov/State:</b> ON	
<b>Status:</b>	C			<b>Search Radius (km):</b> .25	
<b>Report Code:</b>	4CAN			<b>Large Radius:</b> .3	
<b>Report Type:</b>	Custom Report			<b>X:</b> -75.91508	
<b>Report Date:</b>	08-DEC-15			<b>Y:</b> 45.283145	
<b>Report Requested by:</b>	Pinchin Ltd				
<b>Nearest Intersection:</b>					
<b>Previous Site Name:</b>					
<b>Additional Info Ordered:</b>	Topographic Maps				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">21</a>	1 of 1	NNE/173.5	102.3 / -1.24	Wellings Communities Holding Inc. 5731 Hazeldean Rd Ottawa ON L1S 3Z2	ECA
<b>Approval No:</b> 7185-ARZMHZ <b>Approval Type:</b> ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Status:</b> Approved <b>Approval Date:</b> 2017-10-18 <b>Record Type:</b> ECA <b>Project Type:</b> MUNICIPAL AND PRIVATE SEWAGE WORKS <b>Link Source:</b> IDS <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/3593-APFKH2-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/3593-APFKH2-14.pdf</a>					
<a href="#">22</a>	1 of 1	SW/182.4	101.3 / -2.24	6 Cedarow Crt Ottawa ON K2S 1V6	EHS
<b>Order ID:</b> 239236 <b>Order No:</b> 20130322014 <b>Customer ID:</b> 70787 <b>Company ID:</b> 77 <b>Status:</b> C <b>Report Code:</b> 4CAN <b>Report Type:</b> Custom Report <b>Report Date:</b> 01-APR-13 <b>Report Requested by:</b> Pinchin Environmental <b>Nearest Intersection:</b> <b>Previous Site Name:</b> <b>Additional Info Ordered:</b>					
<a href="#">23</a>	1 of 1	SSW/195.1	103.9 / 0.31	lot 26 con 11 ON	WWIS
<b>Well ID:</b> 1502913 <b>Construction Date:</b> <b>Primary Water Use:</b> Domestic <b>Sec. Water Use:</b> 0 <b>Final Well Status:</b> Water Supply <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>					
<b>Data Entry Status:</b> <b>Data Src:</b> 1 <b>Date Received:</b> 8/5/1958 <b>Selected Flag:</b> 1 <b>Abandonment Rec:</b> <b>Contractor:</b> 4824 <b>Form Version:</b> 1 <b>Owner:</b> <b>Street Name:</b> <b>County:</b> OTTAWA-CARLETON <b>Municipality:</b> GOULBOURN TOWNSHIP <b>Site Info:</b> <b>Lot:</b> 026 <b>Concession:</b> 11 <b>Concession Name:</b> CON <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>					
<b>Bore Hole Information</b>					
<b>Bore Hole ID:</b> 10024956					
<b>Spatial Status:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
DP2BR:	0			<b>Cluster Kind:</b>	
Code OB:	r			<b>UTMRC:</b>	5
Code OB Desc:	Bedrock			<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
Open Hole:				<b>Location Method:</b>	p5
Elevation:	103.3619			<b>Org CS:</b>	
Elevrc:				<b>Date Completed:</b>	7/10/1958
Remarks:					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930995563  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:**  
**Other Materials:**  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 0.00  
**Formation End Depth:** 10.00  
**Formation End Depth UOM:** ft

**Formation ID:** 930995564  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Other Materials:**  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 10.00  
**Formation End Depth:** 75.00  
**Formation End Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961502913  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10573526  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Casing ID:</b>		930042693			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		10.00			
<b>Casing Diameter:</b>		4.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b>Casing ID:</b>		930042694			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		75.00			
<b>Casing Diameter:</b>		4.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991502913			
<b>Pump Set At:</b>					
<b>Static Level:</b>		20.00			
<b>Final Level After Pumping:</b>		25.00			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		2.00			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		0			
<b>Pumping Duration MIN:</b>		30			
<b>Flowing:</b>		N			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933455725			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		75.00			
<b>Water Found Depth UOM:</b>		ft			

<a href="#">24</a>	1 of 1	S/203.3	106.0 / 2.44	5 Orchard Drive Stittsville ON	EHS
<b>Order ID:</b>	269375			<b>Date Received:</b>	04-SEP-13
<b>Order No:</b>	20130904041			<b>Lot/Building Size:</b>	
<b>Customer ID:</b>	77170			<b>Municipality:</b>	
<b>Company ID:</b>	97			<b>Client Prov/State:</b>	ON
<b>Status:</b>	C			<b>Search Radius (km):</b>	.25
<b>Report Code:</b>	3CAN			<b>Large Radius:</b>	2
<b>Report Type:</b>	Standard Report			<b>X:</b>	-75.915063
<b>Report Date:</b>	16-SEP-13			<b>Y:</b>	45.279851
<b>Report Requested by:</b>	exp Services Inc.				
<b>Nearest Intersection:</b>					
<b>Previous Site Name:</b>					
<b>Additional Info Ordered:</b>	Fire Insur. Maps and/or Site Plans				



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">25</a>	1 of 4	WSW/206.0	100.9 / -2.69	4267281 Canada Inc. 8 Cedarow Court Ottawa ON K2S 1V6	CA
<p> <b>Certificate #:</b> 0544-6D6NCV  <b>Application Year:</b> 2005  <b>Issue Date:</b> 6/13/2005  <b>Approval Type:</b> Industrial Sewage Works  <b>Status:</b> Approved  <b>Application Type:</b>  <b>Client Name::</b>  <b>Client Address::</b>  <b>Client City::</b>  <b>Client Postal Code::</b>  <b>Project Description::</b>  <b>Contaminants::</b>  <b>Emission Control::</b> </p>					
<a href="#">25</a>	2 of 4	WSW/206.0	100.9 / -2.69	4267281 Canada Inc. 8 Cedarow Court Ottawa ON J9A 2Y2	ECA
<p> <b>Approval No:</b> 0544-6D6NCV  <b>Approval Type:</b> ECA-INDUSTRIAL SEWAGE WORKS  <b>Status:</b> Approved  <b>Approval Date:</b> 2005-06-13  <b>Record Type:</b> ECA  <b>Project Type:</b> INDUSTRIAL SEWAGE WORKS  <b>Link Source:</b> IDS  <b>Full Address:</b>  <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/3562-6BKLFB-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/3562-6BKLFB-14.pdf</a>  <b>MOE District:</b> Ottawa  <b>SWP Area Name:</b> Mississippi Valley  <b>Address:</b> 8 Cedarow Court  <b>City:</b> Ottawa  <b>Longitude:</b> -75.9177249999999  <b>Latitude:</b> 45.280895 </p>					
<a href="#">25</a>	3 of 4	WSW/206.0	100.9 / -2.69	8 Cedarow Court Ottawa ON	EHS
<p> <b>Order ID:</b> 45914  <b>Order No:</b> 20041001001  <b>Customer ID:</b> 36587  <b>Company ID:</b> 22584  <b>Status:</b> C  <b>Report Code:</b> 3CAN  <b>Report Type:</b> Complete Report  <b>Report Date:</b> 10/12/04  <b>Date Received:</b> 10/1/04  <b>Lot/Building Size:</b>  <b>Municipality:</b>  <b>Client Prov/State:</b> ON  <b>Search Radius (km):</b> 0.25  <b>Large Radius:</b> 2  <b>X:</b> -75.917418  <b>Y:</b> 45.281114  <b>Report Requested by:</b> Greenough Environmental Consulting  <b>Nearest Intersection:</b> Hazeldean Road and Cedar Row Court  <b>Previous Site Name:</b>  <b>Additional Info Ordered:</b> Fire Insur. Maps and/or Site Plans </p>					
<a href="#">25</a>	4 of 4	WSW/206.0	100.9 / -2.69	Deb's Valley Foods Inc. 8 Cedarow Crt Stittsville ON K2S 1V6	SCT
<p> <b>Established:</b> 01-AUG-90  <b>Plant Size (ft²):</b>  <b>Employment:</b> </p>					

--Details--

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Description:</b>		Rendering and Meat Processing from Carcasses			
<b>SIC/NAICS Code:</b>		311614			
<b>Description:</b>		All Other Industrial Machinery Manufacturing			
<b>SIC/NAICS Code:</b>		333299			
<b>Description:</b>		Frozen Food Manufacturing			
<b>SIC/NAICS Code:</b>		311410			
<b>Description:</b>		All Other Food Manufacturing			
<b>SIC/NAICS Code:</b>		311990			
<b>Description:</b>		Fruit and Vegetable Canning, Pickling and Drying			
<b>SIC/NAICS Code:</b>		311420			

26      1 of 1      **SSW/222.7**      **102.8 / -0.75**      **lot 26 con 11 ON**      **WWIS**

<b>Well ID:</b>	1502912	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	10/3/1956
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	4824
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA-CARLETON
<b>Elevation (m):</b>		<b>Municipality:</b>	GOULBOURN TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	026
<b>Well Depth:</b>		<b>Concession:</b>	11
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	CON
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**Bore Hole Information**

<b>Bore Hole ID:</b>	10024955	<b>Spatial Status:</b>	
<b>DP2BR:</b>	0	<b>Cluster Kind:</b>	
<b>Code OB:</b>	r	<b>UTMRC:</b>	5
<b>Code OB Desc:</b>	Bedrock	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Open Hole:</b>		<b>Location Method:</b>	p5
<b>Elevation:</b>	103.878791	<b>Org CS:</b>	
<b>Elevrc:</b>		<b>Date Completed:</b>	5/18/1956
<b>Remarks:</b>			
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock  
Materials Interval**

<b>Formation ID:</b>	930995561
<b>Layer:</b>	1
<b>Color:</b>	

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>General Color:</b>					
<b>Mat1:</b>		17			
<b>Most Common Material:</b>		SHALE			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		0.00			
<b>Formation End Depth:</b>		12.00			
<b>Formation End Depth UOM:</b>		ft			
<b>Formation ID:</b>					
		930995562			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		12.00			
<b>Formation End Depth:</b>		48.00			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>					
		961502912			
<b>Method Construction Code:</b>					
		1			
<b>Method Construction:</b>					
		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>					
		10573525			
<b>Casing No:</b>					
		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>					
		930042691			
<b>Layer:</b>					
		1			
<b>Material:</b>					
		1			
<b>Open Hole or Material:</b>					
		STEEL			
<b>Depth From:</b>					
		12.00			
<b>Depth To:</b>					
		12.00			
<b>Casing Diameter:</b>					
		4.00			
<b>Casing Diameter UOM:</b>					
		inch			
<b>Casing Depth UOM:</b>					
		ft			
<b>Casing ID:</b>					
		930042692			
<b>Layer:</b>					
		2			
<b>Material:</b>					
		4			
<b>Open Hole or Material:</b>					
		OPEN HOLE			
<b>Depth From:</b>					
		48.00			
<b>Depth To:</b>					
		48.00			
<b>Casing Diameter:</b>					
		4.00			
<b>Casing Diameter UOM:</b>					
		inch			
<b>Casing Depth UOM:</b>					
		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Results of Well Yield Testing</b>					
Pump Test ID:		991502912			
Pump Set At:					
Static Level:		12.00			
Final Level After Pumping:		15.00			
Recommended Pump Depth:					
Pumping Rate:		2.00			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		N			
<b>Water Details</b>					
Water ID:		933455724			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		48.00			
Water Found Depth UOM:		ft			

<a href="#">27</a>	1 of 2	SSW/225.2	103.9 / 0.31	ON	BORE
Borehole ID:	609601			Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::	428131			Northing::	5014432
Location Accuracy::				Orig. Ground Elev m::	106
Elev. Reliability Note::				DEM Ground Elev m::	103
Total Depth m::	32.9			Primary Name::	
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	JUN-1969			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
<b>--Details--</b>					
Stratum ID:	218383609			Top Depth(m):	0.0
Bottom Depth(m):	1.2			Stratum Desc:	SOIL.
Stratum ID:	218383610			Top Depth(m):	1.2
Bottom Depth(m):	2.1			Stratum Desc:	GRAVEL,SAND.
Stratum ID:	218383611			Top Depth(m):	2.1
Bottom Depth(m):	32.9			Stratum Desc:	LIMESTONE. ERS. GREY. LIMESTONE. GREY. 00106CK. SEISMIC VELOCITY = 11500. BED

<a href="#">27</a>	2 of 2	SSW/225.2	103.9 / 0.31	lot 26 con 11 ON	WWIS
Well ID:	1510161			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	8/25/1969
Sec. Water Use:	0			Selected Flag:	1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1603
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevation (m):</b>				<b>Municipality:</b>	GOULBOURN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	026
<b>Well Depth:</b>				<b>Concession:</b>	11
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	CON
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**Bore Hole Information**

<b>Bore Hole ID:</b>	10032190	<b>Spatial Status:</b>	
<b>DP2BR:</b>	7	<b>Cluster Kind:</b>	
<b>Code OB:</b>	r	<b>UTMRC:</b>	4
<b>Code OB Desc:</b>	Bedrock	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Open Hole:</b>		<b>Location Method:</b>	p4
<b>Elevation:</b>	103.387084	<b>Org CS:</b>	
<b>Elevrc:</b>		<b>Date Completed:</b>	6/18/1969
<b>Remarks:</b>			
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	931014073
<b>Layer:</b>	1
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	02
<b>Most Common Material:</b>	TOPSOIL
<b>Mat2:</b>	
<b>Other Materials:</b>	
<b>Mat3:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	0.00
<b>Formation End Depth:</b>	4.00
<b>Formation End Depth UOM:</b>	ft
<b>Formation ID:</b>	931014074
<b>Layer:</b>	2
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	11
<b>Most Common Material:</b>	GRAVEL
<b>Mat2:</b>	09
<b>Other Materials:</b>	MEDIUM SAND
<b>Mat3:</b>	
<b>Other Materials:</b>	
<b>Formation Top Depth:</b>	4.00
<b>Formation End Depth:</b>	7.00
<b>Formation End Depth UOM:</b>	ft

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		931014075			
<b>Layer:</b>		3			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		7.00			
<b>Formation End Depth:</b>		108.00			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961510161			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10580760			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930056986			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		22.00			
<b>Casing Diameter:</b>		2.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b>Casing ID:</b>		930056987			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		108.00			
<b>Casing Diameter:</b>		2.00			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991510161			
<b>Pump Set At:</b>					
<b>Static Level:</b>		4.00			
<b>Final Level After Pumping:</b>		25.00			
<b>Recommended Pump Depth:</b>		25.00			
<b>Pumping Rate:</b>		8.00			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		6.00			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Levels UOM:			ft		
Rate UOM:			GPM		
Water State After Test Code:			2		
Water State After Test:			CLOUDY		
Pumping Test Method:			1		
Pumping Duration HR:			3		
Pumping Duration MIN:			0		
Flowing:			N		
<b><u>Water Details</u></b>					
Water ID:			933465100		
Layer:			1		
Kind Code:			3		
Kind:			SULPHUR		
Water Found Depth:			103.00		
Water Found Depth UOM:			ft		

<a href="#">28</a>	1 of 1	SSE/227.0	107.9 / 4.33	STITTSVILLE ON	WWIS
<b>Well ID:</b>	7122529			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>	Monitoring and Test Hole			<b>Date Received:</b>	4/29/2009
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Test Hole			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	7241
<b>Casing Material:</b>				<b>Form Version:</b>	5
<b>Audit No:</b>	M04382			<b>Owner:</b>	
<b>Tag:</b>	A080408			<b>Street Name:</b>	15 CLOVERLOFT CRES.
<b>Construction Method:</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevation (m):</b>				<b>Municipality:</b>	STITTSVILLE VILLAGE
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**Bore Hole Information**

<b>Bore Hole ID:</b>	1002757558			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	This is a record from cluster log sheet
<b>Code OB:</b>				<b>UTMRC:</b>	3
<b>Code OB Desc:</b>				<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Open Hole:</b>				<b>Location Method:</b>	wwr
<b>Elevation:</b>	105.154212			<b>Org CS:</b>	UTM83
<b>Elevrc:</b>				<b>Date Completed:</b>	3/18/2009
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

**Annular Space/Abandonment Sealing Record**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug ID:</b>		1002757562			
<b>Layer:</b>					
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>					
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1002757561			
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>		DIRECT PUSH			
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1002757563			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1002757565			
<b>Layer:</b>					
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>					
<b>Depth To:</b>		0.61			
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>					
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1002757564			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>		0.61			
<b>Screen End Depth:</b>		2.13			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>					
<b>Screen Diameter:</b>					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		1002757566			
<b>Pump Set At:</b>					
<b>Static Level:</b>					
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>					
<b>Rate UOM:</b>					
<b>Water State After Test Code:</b>					
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Flowing:</b>					
<b><u>Hole Diameter</u></b>					
Hole ID:			1002757560		
Diameter:			6.03		
Depth From:					
Depth To:			2.13		
Hole Depth UOM:			m		
Hole Diameter UOM:			cm		
<b><u>Bore Hole Information</u></b>					
Bore Hole ID:	1002757549			<b>Spatial Status:</b>	
DP2BR:				<b>Cluster Kind:</b>	This is a record from cluster log sheet
Code OB:				<b>UTMRC:</b>	3
Code OB Desc:				<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
Open Hole:				<b>Location Method:</b>	wwr
Elevation:	104.986694			<b>Org CS:</b>	UTM83
Elevrc:				<b>Date Completed:</b>	3/18/2009
Remarks:					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
Plug ID:			1002757553		
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<b><u>Method of Construction &amp; Well Use</u></b>					
Method Construction ID:			1002757552		
Method Construction Code:					
Method Construction:					
Other Method Construction:			DIRECT PUSH		
<b><u>Pipe Information</u></b>					
Pipe ID:			1002757554		
Casing No:			0		
Comment:					
Alt Name:					
<b><u>Construction Record - Casing</u></b>					
Casing ID:			1002757556		
Layer:					
Material:			5		
Open Hole or Material:			PLASTIC		
Depth From:					
Depth To:			0.91		
Casing Diameter:					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b>Casing Diameter UOM:</b>					
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1002757555			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>		0.91			
<b>Screen End Depth:</b>		2.44			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>					
<b>Screen Diameter:</b>					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		1002757557			
<b>Pump Set At:</b>					
<b>Static Level:</b>					
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>					
<b>Rate UOM:</b>					
<b>Water State After Test Code:</b>					
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>					
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1002757551			
<b>Diameter:</b>		8.25			
<b>Depth From:</b>					
<b>Depth To:</b>		2.44			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	1002757540			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	This is a record from cluster log sheet
<b>Code OB:</b>				<b>UTMRC:</b>	3
<b>Code OB Desc:</b>				<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Open Hole:</b>				<b>Location Method:</b>	wwr
<b>Elevation:</b>	104.944602			<b>Org CS:</b>	UTM83
<b>Elevrc:</b>				<b>Date Completed:</b>	3/18/2009
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug ID:</b>		1002757544			
<b>Layer:</b>					
<b>Plug From:</b>					
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>					
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1002757543			
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>		DIRECT PUSH			
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1002757545			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1002757547			
<b>Layer:</b>					
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>					
<b>Depth To:</b>		1.22			
<b>Casing Diameter:</b>					
<b>Casing Diameter UOM:</b>					
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1002757546			
<b>Layer:</b>					
<b>Slot:</b>					
<b>Screen Top Depth:</b>		1.22			
<b>Screen End Depth:</b>		2.74			
<b>Screen Material:</b>					
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>					
<b>Screen Diameter:</b>					
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		1002757548			
<b>Pump Set At:</b>					
<b>Static Level:</b>					
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>					
<b>Rate UOM:</b>					
<b>Water State After Test Code:</b>					
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>					
<b>Pumping Duration HR:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Pumping Duration MIN:</b>					
<b>Flowing:</b>					
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>			1002757542		
<b>Diameter:</b>			8.25		
<b>Depth From:</b>					
<b>Depth To:</b>			2.74		
<b>Hole Depth UOM:</b>			m		
<b>Hole Diameter UOM:</b>			cm		
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	1002420715			<b>Spatial Status:</b>	
<b>DP2BR:</b>				<b>Cluster Kind:</b>	
<b>Code OB:</b>				<b>UTMRC:</b>	4
<b>Code OB Desc:</b>				<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Open Hole:</b>				<b>Location Method:</b>	wwr
<b>Elevation:</b>	105.034469			<b>Org CS:</b>	UTM83
<b>Elevrc:</b>				<b>Date Completed:</b>	3/18/2009
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>			1002757568		
<b>Layer:</b>			1		
<b>Color:</b>			6		
<b>General Color:</b>			BROWN		
<b>Mat1:</b>			01		
<b>Most Common Material:</b>			FILL		
<b>Mat2:</b>			11		
<b>Other Materials:</b>			GRAVEL		
<b>Mat3:</b>			77		
<b>Other Materials:</b>			LOOSE		
<b>Formation Top Depth:</b>			0.00		
<b>Formation End Depth:</b>			0.61		
<b>Formation End Depth UOM:</b>			m		
<b>Formation ID:</b>			1002757569		
<b>Layer:</b>			2		
<b>Color:</b>			6		
<b>General Color:</b>			BROWN		
<b>Mat1:</b>			06		
<b>Most Common Material:</b>			SILT		
<b>Mat2:</b>			05		
<b>Other Materials:</b>			CLAY		
<b>Mat3:</b>			66		
<b>Other Materials:</b>			DENSE		
<b>Formation Top Depth:</b>			0.61		
<b>Formation End Depth:</b>			1.50		
<b>Formation End Depth UOM:</b>			m		
<b>Formation ID:</b>			1002757570		
<b>Layer:</b>			3		
<b>Color:</b>			2		

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>General Color:</b>		GREY			
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>		05			
<b>Other Materials:</b>		CLAY			
<b>Mat3:</b>		91			
<b>Other Materials:</b>		WATER-BEARING			
<b>Formation Top Depth:</b>		1.50			
<b>Formation End Depth:</b>		3.10			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1002757572			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.00			
<b>Plug To:</b>		0.30			
<b>Plug Depth UOM:</b>		m			
<b>Plug ID:</b>		1002757573			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.30			
<b>Plug To:</b>		1.22			
<b>Plug Depth UOM:</b>		m			
<b>Plug ID:</b>		1002757574			
<b>Layer:</b>		3			
<b>Plug From:</b>		1.22			
<b>Plug To:</b>		3.10			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1002757579			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1002757567			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1002757575			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		1.50			
<b>Casing Diameter:</b>		4.03			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1002757576			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Slot:		10			
Screen Top Depth:		1.50			
Screen End Depth:		3.10			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.82			
<b><u>Hole Diameter</u></b>					
Hole ID:		1002757571			
Diameter:		8.25			
Depth From:		0.00			
Depth To:		3.10			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

<a href="#">29</a>	1 of 1	SW/228.0	100.8 / -2.73	ON	WWIS
Well ID:	7221645			Data Entry Status:	Date Entry is incomplete
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	6/9/2014
Sec. Water Use:				Selected Flag:	1
Final Well Status:				Abandonment Rec:	
Water Type:				Contractor:	6964
Casing Material:				Form Version:	8
Audit No:	C22332			Owner:	
Tag:	A094419			Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GOULBOURN TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<b><u>Bore Hole Information</u></b>					
Bore Hole ID:	1004820427			Spatial Status:	
DP2BR:				Cluster Kind:	
Code OB:				UTMRC:	4
Code OB Desc:				UTMRC Desc:	margin of error : 30 m - 100 m
Open Hole:				Location Method:	wwr
Elevation:	100.9719			Org CS:	UTM83
Elevrc:				Date Completed:	4/25/2014
Remarks:					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

<a href="#">30</a>	1 of 1	E/233.1	105.8 / 2.26	ON	BORE
Borehole ID:	609612			Type:	Borehole

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Use:</b>				<b>Status::</b>	
<b>Drill Method::</b>				<b>UTM Zone::</b>	18
<b>Easting::</b>	428431			<b>Northing::</b>	5014662
<b>Location Accuracy::</b>				<b>Orig. Ground Elev m::</b>	103
<b>Elev. Reliability Note::</b>				<b>DEM Ground Elev m::</b>	103
<b>Total Depth m::</b>	-999			<b>Primary Name::</b>	
<b>Township::</b>				<b>Concession::</b>	
<b>Lot::</b>				<b>Municipality:</b>	
<b>Completion Date::</b>				<b>Static Water Level::</b>	-999.9
<b>Primary Water Use::</b>				<b>Sec. Water Use::</b>	
<b>--Details--</b>					
<b>Stratum ID:</b>	218383634			<b>Top Depth(m):</b>	0.0
<b>Bottom Depth(m):</b>	3.7			<b>Stratum Desc:</b>	GRAVEL.
<b>Stratum ID:</b>	218383635			<b>Top Depth(m):</b>	3.7
<b>Bottom Depth(m):</b>				<b>Stratum Desc:</b>	BEDROCK,LIMESTONE. 001100 FEET.BEDROCK,LIMESTONE. CK. SEISMIC VELOCITY = 1

<a href="#">31</a>	1 of 1	SW/234.5	101.9 / -1.69	ON	BORE
<b>Borehole ID:</b>	803688			<b>Type:</b>	Borehole
<b>Use:</b>	Geotechnical/Geological Investigation			<b>Status::</b>	
<b>Drill Method::</b>	Power auger			<b>UTM Zone::</b>	18
<b>Easting::</b>	428064.55			<b>Northing::</b>	5014454.07
<b>Location Accuracy::</b>				<b>Orig. Ground Elev m::</b>	106
<b>Elev. Reliability Note::</b>				<b>DEM Ground Elev m::</b>	101
<b>Total Depth m::</b>	4.9			<b>Primary Name::</b>	BH 2
<b>Township::</b>				<b>Concession::</b>	
<b>Lot::</b>				<b>Municipality:</b>	
<b>Completion Date::</b>	05-AUG-1983			<b>Static Water Level::</b>	-999.9
<b>Primary Water Use::</b>				<b>Sec. Water Use::</b>	
<b>--Details--</b>					
<b>Stratum ID:</b>	218577492			<b>Top Depth(m):</b>	0.0
<b>Bottom Depth(m):</b>	0.1			<b>Stratum Desc:</b>	Topsoil
<b>Stratum ID:</b>	218577493			<b>Top Depth(m):</b>	0.1
<b>Bottom Depth(m):</b>	1.2			<b>Stratum Desc:</b>	Brown Compact Fill-Misc Sand With: Si W Gr W Cob
<b>Stratum ID:</b>	218577494			<b>Top Depth(m):</b>	1.2
<b>Bottom Depth(m):</b>	1.8			<b>Stratum Desc:</b>	Brown Loose sand silt
<b>Stratum ID:</b>	218577495			<b>Top Depth(m):</b>	1.8
<b>Bottom Depth(m):</b>	4.9			<b>Stratum Desc:</b>	Grey Bedrock Limestone

<a href="#">32</a>	1 of 1	SSW/240.9	101.9 / -1.69	ON	BORE
<b>Borehole ID:</b>	803687			<b>Type:</b>	Borehole
<b>Use:</b>	Geotechnical/Geological Investigation			<b>Status::</b>	
<b>Drill Method::</b>	Power auger			<b>UTM Zone::</b>	18
<b>Easting::</b>	428075.55			<b>Northing::</b>	5014439.36
<b>Location Accuracy::</b>				<b>Orig. Ground Elev m::</b>	106
<b>Elev. Reliability Note::</b>				<b>DEM Ground Elev m::</b>	101
<b>Total Depth m::</b>	6.5			<b>Primary Name::</b>	BH 1
<b>Township::</b>				<b>Concession::</b>	
<b>Lot::</b>				<b>Municipality:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Completion Date:: Primary Water Use::	04-AUG-1983			Static Water Level:: Sec. Water Use::	-999.9
<b>--Details--</b>					
Stratum ID: Bottom Depth(m):	218577489 0.1			Top Depth(m): Stratum Desc:	0.0 Topsoil
Stratum ID: Bottom Depth(m):	218577490 2.9			Top Depth(m): Stratum Desc:	0.1 Brown Compact Fill-Misc Sand With: Si W Gr W Cob W Blds
Stratum ID: Bottom Depth(m):	218577491 6.5			Top Depth(m): Stratum Desc:	2.9 Grey Bedrock Limestone

<a href="#">33</a>	1 of 1	WSW/241.6	102.0 / -1.61	lot 26 con 12 STITTSVILLE ON	WWIS
Well ID:	7154728			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Test Hole			Date Received:	11/18/2010
Sec. Water Use:				Selected Flag:	1
Final Well Status:	Test Hole			Abandonment Rec:	
Water Type:				Contractor:	6964
Casing Material:				Form Version:	7
Audit No:	Z107014			Owner:	
Tag:	A094419			Street Name:	5831 HAZELDEAN ROAD
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GOULBOURN TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	026
Well Depth:				Concession:	12
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<b><u>Bore Hole Information</u></b>					
Bore Hole ID:	1003410810			Spatial Status:	
DP2BR:				Cluster Kind:	
Code OB:				UTMRC:	3
Code OB Desc:				UTMRC Desc:	margin of error : 10 - 30 m
Open Hole:				Location Method:	wwr
Elevation:	101.520393			Org CS:	UTM83
Elevrc:				Date Completed:	9/22/2010
Remarks:					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:	1003548950				
Layer:	1				
Color:	6				



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>					
<b>Other Materials:</b>					
<b>Mat3:</b>		81			
<b>Other Materials:</b>		SANDY			
<b>Formation Top Depth:</b>		0.00			
<b>Formation End Depth:</b>		1.60			
<b>Formation End Depth UOM:</b>		m			
<b>Formation ID:</b>		1003548951			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>		13			
<b>Other Materials:</b>		BOULDERS			
<b>Mat3:</b>		81			
<b>Other Materials:</b>		SANDY			
<b>Formation Top Depth:</b>		1.60			
<b>Formation End Depth:</b>		1.85			
<b>Formation End Depth UOM:</b>		m			
<b>Formation ID:</b>		1003548952			
<b>Layer:</b>		3			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		26			
<b>Most Common Material:</b>		ROCK			
<b>Mat2:</b>		15			
<b>Other Materials:</b>		LIMESTONE			
<b>Mat3:</b>					
<b>Other Materials:</b>					
<b>Formation Top Depth:</b>		1.85			
<b>Formation End Depth:</b>		4.05			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1003548955			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.00			
<b>Plug To:</b>		1.80			
<b>Plug Depth UOM:</b>		m			
<b>Plug ID:</b>		1003548956			
<b>Layer:</b>		2			
<b>Plug From:</b>		1.80			
<b>Plug To:</b>		4.05			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1003548961			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Pipe ID:</b>		1003548949			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1003548958			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		2.45			
<b>Casing Diameter:</b>		3.50			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1003548959			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		2.45			
<b>Screen End Depth:</b>		4.05			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		4.10			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1003548957			
<b>Layer:</b>		1			
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>		2.20			
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1003548953			
<b>Diameter:</b>		7.50			
<b>Depth From:</b>		0.00			
<b>Depth To:</b>		1.10			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			
<b>Hole ID:</b>		1003548954			
<b>Diameter:</b>		5.60			
<b>Depth From:</b>		1.10			
<b>Depth To:</b>		3.90			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			

# Unplottable Summary

Total: **19** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	GOULBOURN TOWNSHIP	FRINGEWOOD DR. PUMP STATION	GOULBOURN TWP. ON	
CA	GOULBOURN TOWNSHIP	FRINGEWOOD DR. PUMP STATION	GOULBOURN TWP. ON	
CA	455866 ONTARIO LIMITED HAZELDEAN RD.	CEDARLANE SUBD. CEDAROW CRT.	GOULBOURN TWP. ON	
CA	MACDONALD REALESTATE LTD.	HAZELDEAN RD.	KANATA CITY ON	
CA	511376 ONTARIO INC.	HAZELDEAN RD. S.W. RET. FAC.	GOULBOURN TWP. ON	
CA	MACDONALD REALESTATE LTD.	HAZELDEAN RD.	KANATA CITY ON	
CA		Lot 27, Concession 11	Ottawa ON	
CA	PHIL SWEETNAM MOBILE HOME PARK	LOT 26/CONC. 12, SEPTIC TANKS	GOULBURN TWP. ON	
CA	PATTEN HOMES LIMITED	LOT 26/C-XI, FOREST CREEK SUB.	GOULBOURN ON	
CA	TACO BELL OF CANADA	HAZELDEAN ROAD	KANATA CITY ON	
CA	PENEX HAZELDEAN LIMITED	HAZELDEAN ROAD (SWM)	KANATA CITY ON	
EBR	Tartan Land Consultants Inc.	Lot 26 and 27, Concession 12, Goulbourn Township, Stittsville CITY OF OTTAWA GOULBOURN	ON	
EBR	Mattamy Homes Limited	Part of Lot 27, Concession 12, Township of Goulbourn, CITY OF OTTAWA	ON	
HINC		HUNTMAR RD.	KANATA ON	
ORD	Relocatable Homes Limited	Lot 26, Concess12, Fringewood North Mobile Home Park GOULBOURN	ON	
SPL	TRANSPORT TRUCK	HUNTMAR ROAD MOTOR VEHICLE (OPERATING FLUID)	KANATA CITY ON	
SPL	TOP OIL RESOURCES	TOP OIL RESOURCES HAZELDEAN ROAD, GOULBORN TWP. DIESEL FUEL OUTLET	OTTAWA-CARLETON R.M. ON	

WWIS

con 11

ON

WWIS

lot 27

ON

# Unplottable Report

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**Site:** GOULBOURN TOWNSHIP  
FRINGEWOOD DR. PUMP STATION GOULBOURN TWP. ON

**Database:**  
CA

**Certificate #:** 3-0675-93-006  
**Application Year:** 93  
**Issue Date:** 7/5/93  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Site:** GOULBOURN TOWNSHIP  
FRINGEWOOD DR. PUMP STATION GOULBOURN TWP. ON

**Database:**  
CA

**Certificate #:** 3-0675-93-  
**Application Year:** 93  
**Issue Date:** 6/21/1993  
**Approval Type:** Municipal sewage  
**Status:** Cancelled  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Site:** 455866 ONTARIO LIMITED HAZELDEAN RD.  
CEDARLANE SUBD. CEDAROW CRT. GOULBOURN TWP. ON

**Database:**  
CA

**Certificate #:** 7-0030-89-  
**Application Year:** 89  
**Issue Date:** 1/24/1989  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Site:** MACDONALD REALESTATE LTD.  
HAZELDEAN RD. KANATA CITY ON

**Database:**  
CA

**Certificate #:** 7-1305-86-  
**Application Year:** 86

**Issue Date:** 11/4/1986  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Site:** 511376 ONTARIO INC.  
HAZELDEAN RD. S.W. RET. FAC. GOULBOURN TWP. ON

**Database:**  
CA

**Certificate #:** 3-0858-93-  
**Application Year:** 93  
**Issue Date:** 9/15/1993  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Site:** MACDONALD REALESTATE LTD.  
HAZELDEAN RD. KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-1645-86-  
**Application Year:** 86  
**Issue Date:** 11/4/1986  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Site:** Lot 27, Concession 11 Ottawa ON

**Database:**  
CA

**Certificate #:** 5380-4YQSBE  
**Application Year:** 01  
**Issue Date:** 7/31/01  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name::** 909979 Alberta Ltd.  
**Client Address::** 30 Glendeer Circle SE, Suite 200  
**Client City::** Calgary  
**Client Postal Code::** T2H 2Z7  
**Project Description::** Runoff from parking areas south and east of the building will be directed to the existing Iber Road ditch; the remainder of the site will drain via catch basins and storm sewers to the existing municipal wet pond. Restrictors will be installed at roof drain inlets and in the outlet storm sewer to reduce flows to pre-development levels and detain water on the roof and in surface ponds.  
**Contaminants::**  
**Emission Control::**

---

**Site:** PHIL SWEETNAM MOBILE HOME PARK  
LOT 26/CONC. 12, SEPTIC TANKS GOULBURN TWP. ON

**Database:**  
CA

**Certificate #:** 3-1529-94-  
**Application Year:** 94  
**Issue Date:** 12/23/1994  
**Approval Type:** Municipal sewage  
**Status:** Preliminary approval  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Site:** PATTEN HOMES LIMITED  
LOT 26/C-XI, FOREST CREEK SUB. GOULBOURN ON

**Database:**  
CA

**Certificate #:** 3-0893-98-  
**Application Year:** 98  
**Issue Date:** 8/18/1998  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::**  
**Contaminants::**  
**Emission Control::**

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**Site:** TACO BELL OF CANADA  
HAZELDEAN ROAD KANATA CITY ON

**Database:**  
CA

**Certificate #:** 8-4092-94-  
**Application Year:** 94  
**Issue Date:** 7/15/1994  
**Approval Type:** Industrial air  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**  
**Client City::**  
**Client Postal Code::**  
**Project Description::** CONDENSATE & FRYER EXHAUST HOODS  
**Contaminants::** Odour/Fumes  
**Emission Control::** Fabric Filters,

---

**Site:** PENEX HAZELDEAN LIMITED  
HAZELDEAN ROAD (SWM) KANATA CITY ON

**Database:**  
CA

**Certificate #:** 3-0099-97-  
**Application Year:** 97  
**Issue Date:** 4/11/1997  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name::**  
**Client Address::**

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

---

**Site:** Tartan Land Consultants Inc.  
Lot 26 and 27, Concession 12, Goulbourn Township, Stittsville CITY OF OTTAWA GOULBOURN ON

**Database:**  
**EBR**

**EBR Registry No.:** 011-5086  
**Ministry Ref. No.:** MNR INST 66/11  
**Company Name:** Tartan Land Consultants Inc.  
**Notice Type:** Instrument Decision  
**Notice Date:** October 09, 2013  
**Proposal Date:** December 21, 2011  
**Year:** 2011  
**Proponent Address:** 237 Somerset Street West, Ottawa Ontario, Canada K2S 0J3  
**Instrument Type:** (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species  
**Location Other:**

**Location:**

Lot 26 and 27, Concession 12, Goulbourn Township, Stittsville CITY OF OTTAWA GOULBOURN

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**Site:** Mattamy Homes Limited  
Part of Lot 27, Concession 12, Township of Goulbourn, CITY OF OTTAWA ON

**Database:**  
**EBR**

**EBR Registry No.:** 011-7154  
**Ministry Ref. No.:** MNR INST 67/12  
**Company Name:** Mattamy Homes Limited  
**Notice Type:** Instrument Decision  
**Notice Date:** June 05, 2013  
**Proposal Date:** September 07, 2012  
**Year:** 2012  
**Proponent Address:** 50 Hines Road, Suite 100, Ottawa Ontario, Canada K2K 2M5  
**Instrument Type:** (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species  
**Location Other:**

**Location:**

Part of Lot 27, Concession 12, Township of Goulbourn, CITY OF OTTAWA

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**Site:** HUNTMAR RD. KANATA ON

**Database:**  
**HINC**

**External File Num:** FS INC 0712-07659  
**Date of Occurrence:** 12/10/2007  
**Fuel Occurrence Type:** Pipeline Strike  
**Fuel Type Involved:** Natural Gas  
**Status Desc.:** Completed - Causal Analysis(End)  
**Job Type Desc.:** Incident/Near-Miss Occurrence (FS)  
**Oper. Type Involved.:** Construction Site (pipeline strike)  
**Service Interruptions.:** No  
**Property Damage.:** Yes  
**Fuel Life Cycle Stage.:** Transmission, Distribution and Transportation  
**Root Cause.:** Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No  
Training:Yes Management:Yes Human Factors:Yes  
**Reported Details.:**  
**Fuel Category.:** Gaseous Fuel  
**Occurrence Type.:** Incident  
**Affiliation.:** Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)  
**County Name.:** Ottawa  
**Approx. Quant. Rel.:**



Nearby body of water::  
Enter Drainage Syst.::  
Approx. Quant. Unit::  
Environmental Impact::

---

**Site:** Relocatable Homes Limited  
Lot 26, Concess12, Fringewood North Mobile Home Park GOULBOURN ON

**Database:**  
ORD

**EBR Registry No.:** IA00E1222  
**Ministry Ref. No.:** ER-5459  
**Notice Type:** Instrument Decision  
**Notice Date:** October 27, 2000  
**Proposal Date:** July 26, 2000  
**Proponent Address:** 8A Sweetname Drive, Stittsville Ontario, K2S 1G2  
**Year:** 2000  
**Instrument Type:** (OWRA s. 53(3)) - Order for unapproved sewage works.  
**Location Other:**

**Location:**

Lot 26, Concess12, Fringewood North Mobile Home Park GOULBOURN

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**Site:** TRANSPORT TRUCK  
HUNTMAR ROAD MOTOR VEHICLE (OPERATING FLUID) KANATA CITY ON

**Database:**  
SPL

<b>Ref No:</b>	104127	<b>Discharger Report:</b>	
<b>Site No:</b>		<b>Material Group:</b>	
<b>Incident Dt:</b>	8/18/1994	<b>Client Type:</b>	
<b>Year:</b>		<b>Sector Type:</b>	
<b>Incident Cause:</b>	OTHER CONTAINER LEAK	<b>Source Type:</b>	
<b>Incident Event:</b>		<b>Nearest Watercourse:</b>	
<b>Contaminant Code:</b>		<b>Site Name:</b>	
<b>Contaminant Name:</b>		<b>Site Address:</b>	
<b>Contaminant Limit 1:</b>		<b>Site District Office:</b>	
<b>Contam Limit Freq 1:</b>		<b>Site County/District:</b>	
<b>Contaminant UN No 1:</b>		<b>Site Postal Code:</b>	
<b>Contaminant Qty:</b>		<b>Site Region:</b>	
<b>Environment Impact:</b>	CONFIRMED	<b>Site Municipality:</b>	20103
<b>Nature of Impact:</b>	Soil contamination	<b>Site Lot:</b>	
<b>Receiving Medium:</b>	LAND	<b>Site Conc:</b>	
<b>Receiving Env:</b>		<b>Northing:</b>	
<b>Health/Env Conseq:</b>		<b>Easting:</b>	
<b>MOE Response:</b>		<b>Site Geo Ref Accu:</b>	
<b>Dt MOE Arvl on Scn:</b>		<b>Site Geo Ref Meth:</b>	
<b>MOE Reported Dt:</b>	8/18/1994	<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>			
<b>SAC Action Class:</b>			
<b>Incident Reason:</b>	DAMAGE BY MOVING EQUIPMENT		
<b>Incident Summary:</b>	GILES LEBLANC CARTAGE: 20 L DIESEL FUEL TO LAND		

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**Site:** TOP OIL RESOURCES  
TOP OIL RESOURCES HAZELDEAN ROAD, GOULBORN TWP. DIESEL FUEL OUTLET OTTAWA-CARLETON R.M.  
ON

**Database:**  
SPL

<b>Ref No:</b>	25861	<b>Discharger Report:</b>	
<b>Site No:</b>		<b>Material Group:</b>	
<b>Incident Dt:</b>	9/25/1989	<b>Client Type:</b>	
<b>Year:</b>		<b>Sector Type:</b>	
<b>Incident Cause:</b>	UNDERGROUND TANK LEAK	<b>Source Type:</b>	
<b>Incident Event:</b>		<b>Nearest Watercourse:</b>	
<b>Contaminant Code:</b>		<b>Site Name:</b>	
<b>Contaminant Name:</b>		<b>Site Address:</b>	
<b>Contaminant Limit 1:</b>		<b>Site District Office:</b>	
<b>Contam Limit Freq 1:</b>		<b>Site County/District:</b>	

<b>Contaminant UN No 1:</b>		<b>Site Postal Code:</b>	
<b>Contaminant Qty:</b>		<b>Site Region:</b>	
<b>Environment Impact:</b>		<b>Site Municipality:</b>	20000
<b>Nature of Impact:</b>		<b>Site Lot:</b>	
<b>Receiving Medium:</b>	LAND	<b>Site Conc:</b>	
<b>Receiving Env:</b>		<b>Northing:</b>	
<b>Health/Env Conseq:</b>		<b>Easting:</b>	MCCR
<b>MOE Response:</b>		<b>Site Geo Ref Accu:</b>	
<b>Dt MOE Arvl on Scn:</b>		<b>Site Geo Ref Meth:</b>	
<b>MOE Reported Dt:</b>	9/28/1989	<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>			
<b>SAC Action Class:</b>			
<b>Incident Reason:</b>	UNKNOWN		
<b>Incident Summary:</b>	TOP OIL RESOURCES- 7000 LTR DIESEL FUEL LEAK FROM UNDERGROUND TANK		

**Site:** con 11 ON **Database:** WWIS

<b>Well ID:</b>	1521315	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	5/20/1987
<b>Sec. Water Use:</b>		<b>Selected Flag:</b>	1
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	1558
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>	04582	<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA-CARLETON
<b>Elevation (m):</b>		<b>Municipality:</b>	GOULBOURN TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	
<b>Well Depth:</b>		<b>Concession:</b>	11
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**Bore Hole Information**

<b>Bore Hole ID:</b>	10043137	<b>Spatial Status:</b>	
<b>DP2BR:</b>	0	<b>Cluster Kind:</b>	
<b>Code OB:</b>	h	<b>UTMRC:</b>	9
<b>Code OB Desc:</b>	Mixed in a Layer	<b>UTMRC Desc:</b>	unknown UTM
<b>Open Hole:</b>		<b>Location Method:</b>	na
<b>Elevation:</b>		<b>Org CS:</b>	
<b>Elevrc:</b>		<b>Date Completed:</b>	4/16/1987
<b>Remarks:</b>			
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock Materials Interval**

<b>Formation ID:</b>	931047547
<b>Layer:</b>	1
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	01
<b>Most Common Material:</b>	FILL
<b>Mat2:</b>	26
<b>Other Materials:</b>	ROCK

**Mat3:** 77  
**Other Materials:** LOOSE  
**Formation Top Depth:** 0.00  
**Formation End Depth:** 5.00  
**Formation End Depth UOM:** ft

**Formation ID:** 931047548  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:** 78  
**Other Materials:** MEDIUM-GRAINED  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 5.00  
**Formation End Depth:** 174.00  
**Formation End Depth UOM:** ft

**Method of Construction & Well Use**

**Method Construction ID:** 961521315  
**Method Construction Code:** 5  
**Method Construction:** Air Percussion  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10591707  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930075316  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 22.00  
**Casing Diameter:** 6.00  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Casing ID:** 930075317  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 174.00  
**Casing Diameter:** 6.00  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991521315  
**Pump Set At:**  
**Static Level:** 29.00  
**Final Level After Pumping:** 100.00  
**Recommended Pump Depth:** 150.00  
**Pumping Rate:** 5.00  
**Flowing Rate:**

**Recommended Pump Rate:** 5.00  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** N

**Draw Down & Recovery**

**Pump Test Detail ID:** 934105994  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 100.00  
**Test Level UOM:** ft

**Pump Test Detail ID:** 934390093  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 100.00  
**Test Level UOM:** ft

**Pump Test Detail ID:** 934651240  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 100.00  
**Test Level UOM:** ft

**Pump Test Detail ID:** 934909448  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 100.00  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933478822  
**Layer:** 1  
**Kind Code:** 3  
**Kind:** SULPHUR  
**Water Found Depth:** 169.00  
**Water Found Depth UOM:** ft

**Site:** lot 27 ON

**Database:**  
WWIS

**Well ID:** 1518033  
**Construction Date:**  
**Primary Water Use:** Cooling And A/C  
**Sec. Water Use:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:**  
**Tag:**  
**Construction Method:**  
**Elevation (m):**  
**Elevation Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Flowing (Y/N):**  
**Flow Rate:**  
**Clear/Cloudy:**

**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 12/13/1982  
**Selected Flag:** 1  
**Abandonment Rec:**  
**Contractor:** 1558  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA-CARLETON  
**Municipality:** OTTAWA CITY  
**Site Info:**  
**Lot:** 027  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10039904  
**DP2BR:** 15  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Elevation:**  
**Elevrc:**  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Spatial Status:**  
**Cluster Kind:**  
**UTMRC:** 9  
**UTMRC Desc:** unknown UTM  
**Location Method:** na  
**Org CS:**  
**Date Completed:** 1/29/1982

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931037128  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Other Materials:**  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 0.00  
**Formation End Depth:** 10.00  
**Formation End Depth UOM:** ft

**Formation ID:** 931037129  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Other Materials:**  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 10.00  
**Formation End Depth:** 15.00  
**Formation End Depth UOM:** ft

**Formation ID:** 931037130  
**Layer:** 3  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 17  
**Most Common Material:** SHALE  
**Mat2:** 85  
**Other Materials:** SOFT  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 15.00  
**Formation End Depth:** 27.00  
**Formation End Depth UOM:** ft

**Formation ID:** 931037131  
**Layer:** 4  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 15

**Most Common Material:** LIMESTONE  
**Mat2:**  
**Other Materials:**  
**Mat3:**  
**Other Materials:**  
**Formation Top Depth:** 27.00  
**Formation End Depth:** 100.00  
**Formation End Depth UOM:** ft

**Method of Construction & Well Use**

**Method Construction ID:** 961518033  
**Method Construction Code:** 5  
**Method Construction:** Air Percussion  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10588474  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930069712  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 23.00  
**Casing Diameter:** 6.00  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Casing ID:** 930069713  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 100.00  
**Casing Diameter:** 6.00  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Results of Well Yield Testing**

**Pump Test ID:** 991518033  
**Pump Set At:**  
**Static Level:** 15.00  
**Final Level After Pumping:** 50.00  
**Recommended Pump Depth:** 60.00  
**Pumping Rate:** 10.00  
**Flowing Rate:**  
**Recommended Pump Rate:** 5.00  
**Levels UOM:** ft  
**Rate UOM:** GPM  
**Water State After Test Code:** 1  
**Water State After Test:** CLEAR  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:** 0  
**Flowing:** N

**Draw Down & Recovery**

**Pump Test Detail ID:** 934103360  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 50.00  
**Test Level UOM:** ft

**Pump Test Detail ID:** 934377689  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 50.00  
**Test Level UOM:** ft

**Pump Test Detail ID:** 934647523  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 50.00  
**Test Level UOM:** ft

**Pump Test Detail ID:** 934896797  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 50.00  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933474659  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 97.00  
**Water Found Depth UOM:** ft

## Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " \* " indicates that the database will no longer be updated. See the individual database description for more information.

### **Abandoned Aggregate Inventory:**

Provincial

[AAGR](#)

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.\*

**Government Publication Date: Sept 2002\***

### **Aggregate Inventory:**

Provincial

[AGR](#)

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

**Government Publication Date: Up to Sep 2017**

### **Abandoned Mine Information System:**

Provincial

[AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

**Government Publication Date: 1800-Nov 2016**

### **Anderson's Waste Disposal Sites:**

Private

[ANDR](#)

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

**Government Publication Date: 1860s-Present**

### **Automobile Wrecking & Supplies:**

Private

[AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

**Government Publication Date: 1999-Jan 31, 2018**

### **Borehole:**

Provincial

[BORE](#)

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

**Government Publication Date: 1875-Jul 2014**

### **Certificates of Approval:**

Provincial

[CA](#)

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

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



**Commercial Fuel Oil Tanks:**

Provincial **CFOT**

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

**Government Publication Date: Feb 28, 2017**

**Chemical Register:**

Private **CHEM**

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

**Government Publication Date: 1999-Jan 31, 2018**

**Compressed Natural Gas Stations:**

Private **CNG**

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

**Government Publication Date: Dec 31, 2012**

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

Provincial **COAL**

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.\*

**Government Publication Date: Apr 1987 and Nov 1988\***

**Compliance and Convictions:**

Provincial **CONV**

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

**Government Publication Date: 1989-Nov 2017**

**Certificates of Property Use:**

Provincial **CPU**

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

**Government Publication Date: 1994-Feb 28, 2018**

**Drill Hole Database:**

Provincial **DRL**

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

**Government Publication Date: 1886-Nov 30, 2017**

**Dry Cleaning Facilities:**

Federal **DRYCLEANERS**

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

**Government Publication Date: Jan 2004-Dec 2016**

**Environmental Activity and Sector Registry:**

Provincial **EASR**

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

**Government Publication Date: Oct 2011-Jan 31, 2018**

**Environmental Registry:**

Provincial **EBR**

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

**Government Publication Date: 1994-Feb 28, 2018**

**Environmental Compliance Approval:**

Provincial **ECA**

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

**Government Publication Date: Oct 2011-Jan 31, 2018**

**Environmental Effects Monitoring:**

Federal **EEM**

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

**Government Publication Date: 1992-2007\***

**ERIS Historical Searches:**

Private **EHS**

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

**Government Publication Date: 1999-Feb 28, 2018**

**Environmental Issues Inventory System:**

Federal **EIIS**

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

**Government Publication Date: 1992-2001\***

**Emergency Management Historical Event:**

Provincial **EMHE**

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

**Government Publication Date: Dec 31, 2016**

**List of TSSA Expired Facilities:**

Provincial **EXP**

List of facilities with removed tanks which were once registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed automatically fall under the expired facilities inventory held by TSSA.

**Government Publication Date: Feb 28, 2017**

**Federal Convictions:**

Federal **FCON**

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

**Government Publication Date: 1988-Jun 2007\***

**Contaminated Sites on Federal Land:**

Federal

FCS

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

**Government Publication Date: Jun 2000-Mar 2018**

**Fisheries & Oceans Fuel Tanks:**

Federal

FOFT

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

**Government Publication Date: 1964-Sep 2017**

**Fuel Storage Tank:**

Provincial

FST

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

**Government Publication Date: Feb 28, 2017**

**Fuel Storage Tank - Historic:**

Provincial

FSTH

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

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

**Ontario Regulation 347 Waste Generators Summary:**

Provincial

GEN

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

**Government Publication Date: 1986-December 31, 2017**

**Greenhouse Gas Emissions from Large Facilities:**

Federal

GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

**Government Publication Date: 2013-Dec 2015**

**TSSA Historic Incidents:**

Provincial

HINC

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. 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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

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

**Indian & Northern Affairs Fuel Tanks:**

Federal

IAFT

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

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

**TSSA Incidents:**

Provincial [INC](#)

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

**Government Publication Date: Feb 28, 2017**

**Landfill Inventory Management Ontario:**

Provincial [LIMO](#)

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

**Government Publication Date: Dec 31, 2013**

**Canadian Mine Locations:**

Private [MINE](#)

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

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

**Environmental Penalty Annual Report:**

Provincial [MISA PENALTY](#)

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, 2017**

**Mineral Occurrences:**

Provincial [MNR](#)

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

**Government Publication Date: 1846-Jan 2018**

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

Federal [NATE](#)

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

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

**Non-Compliance Reports:**

Provincial [NCPL](#)

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

**Government Publication Date: Dec 31, 2016**

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

Federal [NDFT](#)

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

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

**National Defense & Canadian Forces Spills:**

Federal

NDSP

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

**Government Publication Date: Mar 1999-Aug 2010**

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

Federal

NDWD

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

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

**National Energy Board Pipeline Incidents:**

Federal

NEBI

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

**Government Publication Date: 2008-Dec 31, 2017**

**National Energy Board Wells:**

Federal

NEBW

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

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

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

Federal

NEES

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

**Government Publication Date: 1974-2003\***

**National PCB Inventory:**

Federal

NPCB

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

**Government Publication Date: 1988-2008\***

**National Pollutant Release Inventory:**

Federal

NPRI

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

**Government Publication Date: 1993-May 2017**

**Oil and Gas Wells:**

Private

OGW

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

**Government Publication Date: 1988-December 31, 2017**

**Ontario Oil and Gas Wells:**

Provincial

OGGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

**Government Publication Date: 1800-Oct 2017**

**Inventory of PCB Storage Sites:**

Provincial [OPCB](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

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

**Orders:**

Provincial [ORD](#)

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

**Government Publication Date: 1994-Feb 28, 2018**

**Canadian Pulp and Paper:**

Private [PAP](#)

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

**Government Publication Date: 1999, 2002, 2004, 2005, 2009**

**Parks Canada Fuel Storage Tanks:**

Federal [PCFT](#)

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

**Government Publication Date: 1920-Jan 2005\***

**Pesticide Register:**

Provincial [PES](#)

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

**Government Publication Date: 1988-Mar 2018**

**TSSA Pipeline Incidents:**

Provincial [PINC](#)

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

**Government Publication Date: Feb 28, 2017**

**Private and Retail Fuel Storage Tanks:**

Provincial [PRT](#)

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

**Government Publication Date: 1989-1996\***

**Permit to Take Water:**

Provincial [PTTW](#)

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

**Government Publication Date: 1994-Feb 28, 2018**

**Ontario Regulation 347 Waste Receivers Summary:**

Provincial [REC](#)

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

**Government Publication Date: 1986-2016**

<b><u>Record of Site Condition:</u></b>	Provincial	RSC
The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up. RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).		
<b>Government Publication Date: 1997-Sept 2001, Oct 2004-Nov 2017</b>		
<b><u>Retail Fuel Storage Tanks:</u></b>	Private	RST
This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.		
<b>Government Publication Date: 1999-Jan 31, 2018</b>		
<b><u>Scott's Manufacturing Directory:</u></b>	Private	SCT
Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.		
<b>Government Publication Date: 1992-Mar 2011*</b>		
<b><u>Ontario Spills:</u></b>	Provincial	SPL
This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.		
<b>Government Publication Date: 1988-Feb 2018</b>		
<b><u>Wastewater Discharger Registration Database:</u></b>	Provincial	SRDS
Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).		
<b>Government Publication Date: 1990-Dec 31, 2016</b>		
<b><u>Anderson's Storage Tanks:</u></b>	Private	TANK
The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.		
<b>Government Publication Date: 1915-1953*</b>		
<b><u>Transport Canada Fuel Storage Tanks:</u></b>	Federal	TCFT
List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.		
<b>Government Publication Date: 1970-Aug 2017</b>		
<b><u>TSSA Variances for Abandonment of Underground Storage Tanks:</u></b>	Provincial	VAR
List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a variance from this code requirement.		
<b>Government Publication Date: Feb 28, 2017</b>		
<b><u>Waste Disposal Sites - MOE CA Inventory:</u></b>	Provincial	WDS
The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.		
<b>Government Publication Date: Oct 2011-Jan 31, 2018</b>		

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

Provincial

[WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

**Government Publication Date: Up to Oct 1990\***

**Water Well Information System:**

Provincial

[WWIS](#)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

**Government Publication Date: Mar 31, 2017**



# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

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

**Map Key:** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

**Unplottables:** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

*EXP Services Inc.*

*Bryton Capital Corporation  
Phase I Environmental Site Assessment  
16 and 20 Cedarow Court, Ottawa, ON  
OTT-00246799-A0  
May 29, 2018*

## **Appendix D: Municipal & Provincial Records**





May 16, 2018

VIA FACSIMILE:  
416-314-4285

FOI Manager  
Freedom of Information & Protection of Privacy Office  
Ontario Ministry of the Environment  
12th Floor, 40 St. Clair Avenue West  
Toronto, Ontario M4V 1M2

Re: OTT-00246799-A0 **File Review Request**  
**20 Cedarow Court, Ottawa, Ontario**

Dear Sir or Madam:

I am sending a Freedom of Information Request to you for 20 Cedarow Court, Ottawa, Ontario. We are conducting an environmental site assessment and require any environmental concerns.

If possible, we would appreciate receiving the documentation by email ([kathy.radisch@exp.com](mailto:kathy.radisch@exp.com)) and by mail. If you have any questions, or require any further information, please do not hesitate to contact the undersigned at 613-688-1891, ext. 3296.

Yours truly,  
**exp Services Inc.**

A handwritten signature in blue ink that reads 'Kathy Radisch'.

Kathy Radisch  
Administrative Assistant  
Earth & Environment

Enclosures: FOI Form  
Credit Card Payment Form



File Number: C10-01-15-0009

January 28, 2015

Kathy Radisch  
exp Services Inc.  
100 – 2650 Queensview Drive  
Ottawa, Ontario  
K2B 8H6

*Sent via email [kathy.radisch@exp.com]*

Dear Kathy,

**Re: Information Request  
16 & 20 Cedarow Court, Ottawa, Ontario (“Subject Property”)**

**Internal Department Circulation**

The Planning and Growth Management Department has the following information in response to your request for information regarding the Subject Property:

- Within 5km of the subject property, there are two waste management facilities.

**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 50m of the Subject Property. The search revealed the following:

- There are 6 activities associated with properties located within 50m of the Subject Property: Activity Number 6950; 6950; 3152; 3193; 1500; 7979.

*Shaping our future together  
Ensemble, formons notre avenir*

City of Ottawa  
Infrastructure Services and Community  
Sustainability Department  
Planning and Growth Management Branch  
110 Laurier Avenue West, 4th Floor  
Ottawa, ON K1P 1J1  
Tel: (613) 580-2424 ext. 14743  
Fax: (613) 560-6006  
www.ottawa.ca

Ville d'Ottawa  
Services d'infrastructure et Viabilité des  
collectivités  
Direction de l'approbation des demandes  
d'aménagement et d'infrastructure  
110, avenue Laurier Ouest, 4e étage  
Ottawa (Ontario) K1P 1J1  
Tél.: (613) 580-2424 ext. 14743  
Télééc: (613) 560-6006  
www.ottawa.ca

Please note that Activity Numbers 3193 has a PIN Certainty of “2”. This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the Subject Property or on certain properties within 50m of the Subject Property. All database entries with a PIN Certainty of “2” require independent verification as to their precise location.

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

Additional information may be obtained by contacting:

### **Ontario’s Environmental Registry**

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

### **The Ontario Land Registry Office**

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

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


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

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

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

If you have any further questions or comments, please contact Simon Lacoste at 613-580-2424 ext. 24856 or [HLUI@ottawa.ca](mailto:HLUI@ottawa.ca).

Sincerely,

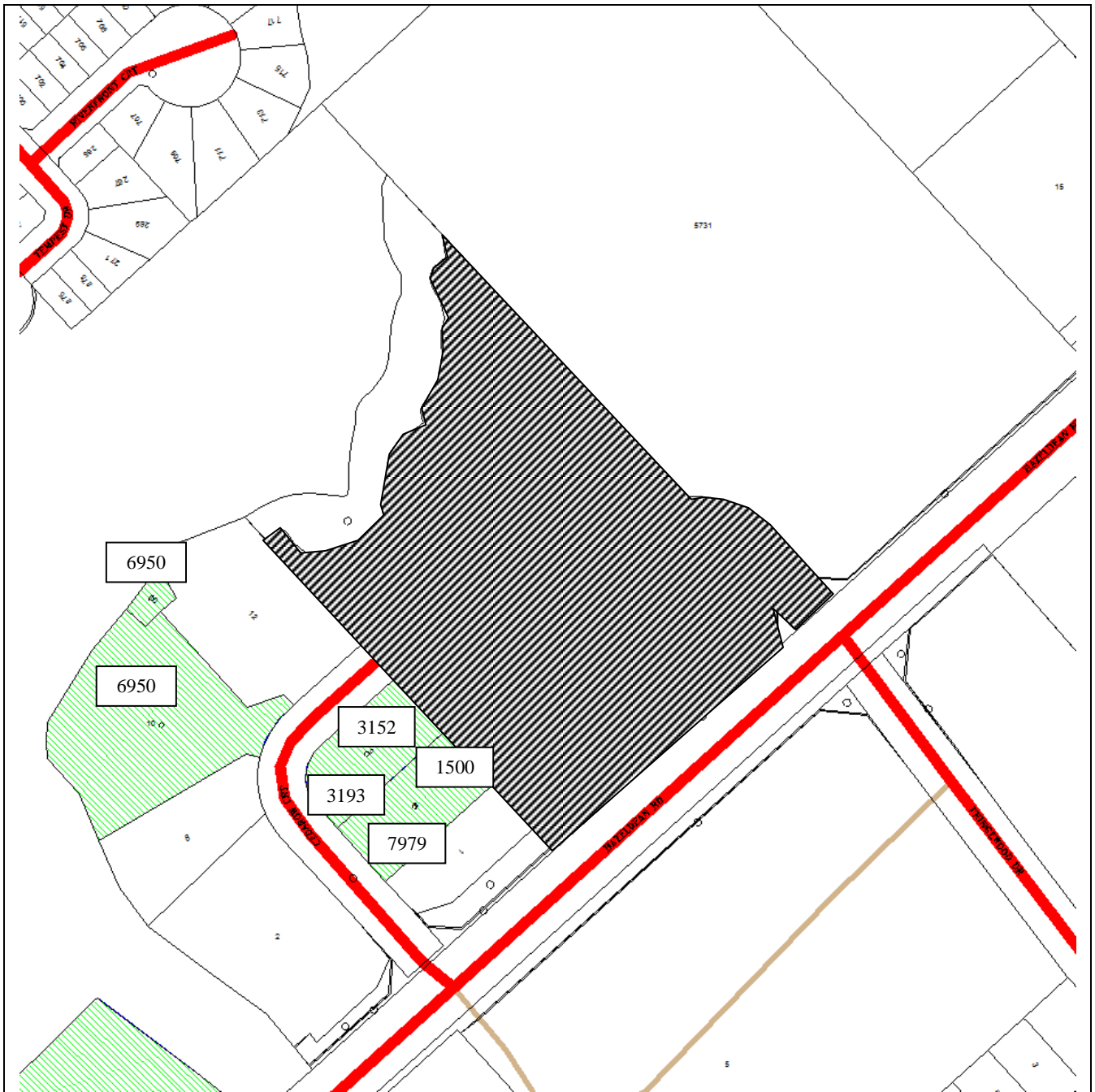


David Wise, MUP, MCIP, RPP  
Program Manager  
Development Review (Suburban Services) - West  
Planning and Growth Management Department

DW/AG

Attach: 7

cc: File no. C10-01-15-0009




Scale 1:  
n/a

16 & 20 Cedarow Court  
Ottawa, ON  
File # C10-01-15-0009  
Simon Lacoste



ID# = Activity Identification Number

 = Subject Site

Overview







**CITY OF OTTAWA**

**HLUI ID: \_\_67903F**

**AREA (Square Metres): 240.251**

Report: RPTC\_OT\_DEV0122

Run On: 14 Jan 2015 at: 09:13:03

**Study Year**  
2005

**PIN**  
044660058

**Multi-NAIC**  
N

**Multiple Activities**  
N

**Activity ID:** 6950 **Multiple PINS:** Y

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

**Related PINS:** 044660058

**Name:** INFINEON TECHNOLOGIES

**Address:** 10 CEDAROW COURT, STITTSVILLE

**Facility Type:** Electrical and Electronic Machinery, Equipment and Supplies, Wholesale

**Comments 1:**

**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:**

**HL References 2:**

**HL References 3:** 2001 Employment Survey

<b>NAICS</b>	<b>SIC</b>
417320	0

**Company Name**

INFINEON TECHNOLOGIES

**Year of Operation**

c. 2001



CITY OF OTTAWA

HLUI ID: \_\_679BV4

AREA (Square Metres): 1718.444

Report: RPTC\_OT\_DEV0122

Run On: 20 Jan 2015 at: 10:58:14

Study Year  
2005

PIN  
044660066

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 3152 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 044660066

Name: CARRUTHERS GEORGE THOMAS  
Address: 5 CEDAROW COURT, TOWNSHIP OF GOULBOURN  
Facility Type: Motor Vehicle Repair Shops

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Property Assessment

NAICS	SIC
811111	0
811112	0
811121	0
811119	0
811199	0

Company Name

CARRUTHERS GEORGE THOMAS

Year of Operation

c. 2005





CITY OF OTTAWA

HLUI ID: \_\_670H8M

AREA (Square Metres): 1787.570

Report: RPTC\_OT\_DEV0122

Run On: 20 Jan 2015 at: 10:59:12

Study Year  
1998

PIN  
044660065

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 1500 Multiple PINS: N  
 PIN Certainty: 1 Previous Activity ID(s) : 7040  
 Related PINS: 044660065  
 Name: RENWICK RONALD RICHARD  
 Address: 3 CEDAROW COURT, TOWNSHIP OF GOULBOURN  
 Facility Type: Motor Vehicles, Wholesale  
 Comments 1:  
 Comments 2:  
 Generator Number:  
 Storage Tanks:  
 HL References 1: GBD 1997; GGTBD 1998/99  
 HL References 2:  
 HL References 3: 2005 Property Assessment

NAICS	SIC
488410	639
811112	0
811112	635
811111	0
811121	0
811119	0
811121	635
811119	635
811199	0

Company Name	Year of Operation
Auto Searchers Ltd.	c. 1997-1999
Krown Rust Proofing	c. 1998-1999
RENWICK RONALD RICHARD	c. 2005



*EXP Services Inc.*

*Bryton Capital Corporation  
Phase I Environmental Site Assessment  
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May 29, 2018*

# **Appendix E: Photographs**





**Photograph No. 1**

A view of the site facing east



**Photograph No. 2**

A view from the site facing northeast



**Photograph No. 3**

The adjacent car wash (5 Cedarow Court) and automotive garage (3 Cedarow Court)



**Photograph No. 4**

The nearby spa and martial arts centre (right) (12 Cedarow Court)





**Photograph No. 5**

The adjacent automotive garage (3 Cedarow Court) 5 m west



**Photograph No. 6**

New senior's residence under construction to east



**Photograph No. 7**

Sparse woods in northeast part of site



**Photograph No. 8**

Cleared area in northeast part of site



**Photograph No. 9**

Poole Creek north of site



**Photograph No. 10**

Fence line along top of slope towards Poole Creek



**Photograph No. 11**

Entrance to site from Cedarow Court looking east



**Photograph No. 12**

Spa at 10 Cedarow Court, west of site



**Photograph No. 13**

Krown Rusproofing (8 Cedarow Court) 80 m west of site



**Photograph No. 14**

View of Canadian Auto Mall (2 Cedarow Court), 80 m west of site