



**REPORT**

# Phase One Environmental Site Assessment

*Part of 1910 St Laurent Boulevard, Ottawa, ON*

Submitted to:

**2058280 Ontario Limited (RioCan Real Estate Inv Trust)**

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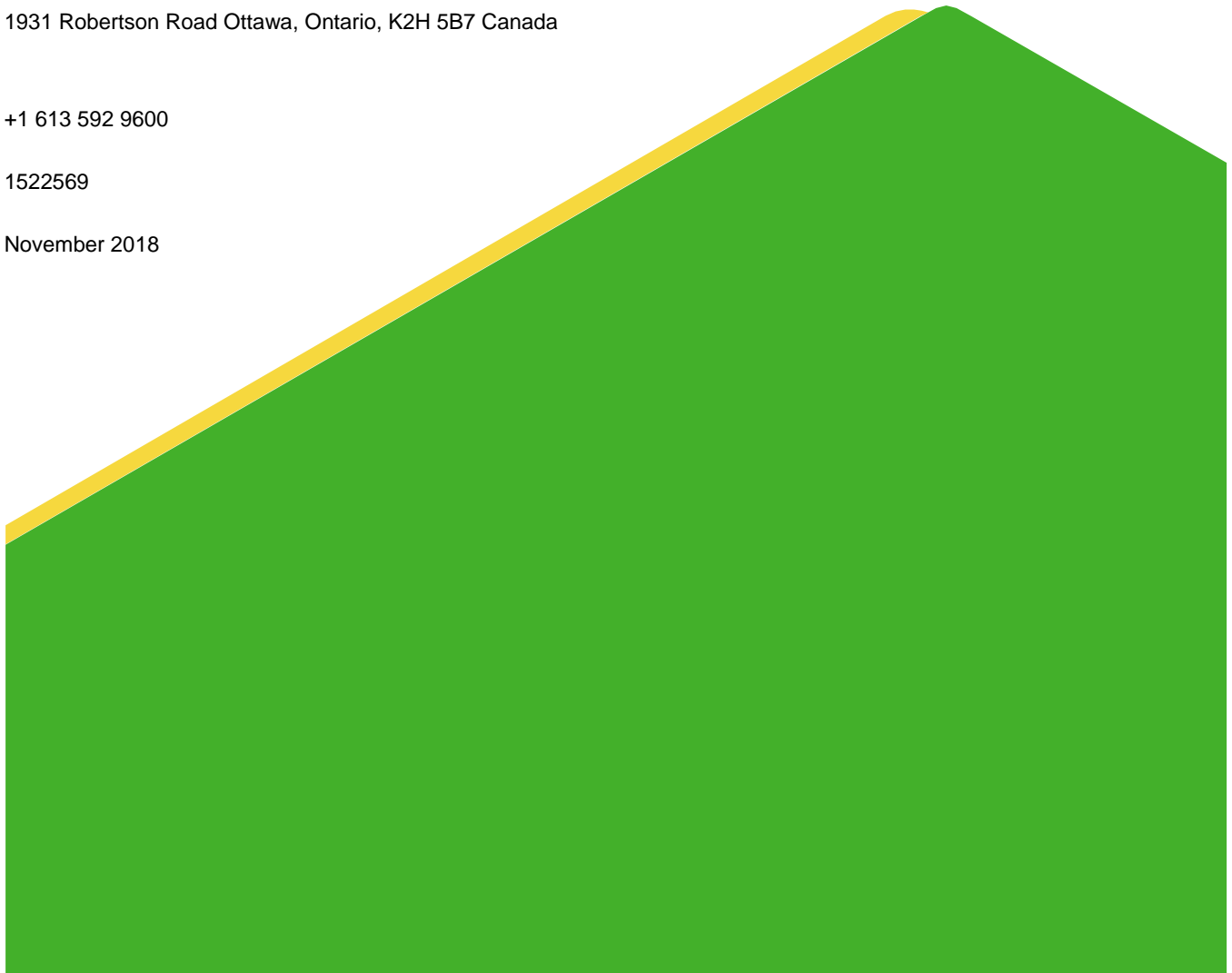
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## Executive Summary

*The Executive Summary highlights key points from the report only; for complete information and findings, as well as the limitations, the reader should examine the complete report.*

Golder Associates Ltd. (Golder) was retained by 2058280 Ontario Limited (RioCan Real Estate Inv Trust) (“RioCan”) to conduct a Phase One Environmental Site Assessment (Phase One ESA) for a part of the property located at 1910 St. Laurent Boulevard in Ottawa (the “Subject Property”). The part of the Subject property which is covered by this Phase One ESA includes a 87,359.2 ft<sup>2</sup> (2.0055 acres) “L” shaped parcel of land (estimated from Google Earth) located at the northern end of the Subject Property, hereafter referred to as the “Site”, “Phase One Property” or “RSC Property”, as shown on Figure 1.

Golder conducted a Phase One ESA, in accordance with O.Reg. 153/04, for the Subject Property in 2015 (hereafter referred to as the “2015 Golder Phase One ESA”) which included the Site; however, due plans for redevelopment of the Site, this Phase One ESA was required for the Phase One Property which forms a part of the previous 2015 Golder Phase One ESA area.

Given that the Site will be redeveloped for residential and retail (mixed-use) purposes, a change in land use from less sensitive (commercial) to more sensitive (residential) entails a mandatory requirement for filing of a Record of Site Condition (RSC) for this property pursuant to Ontario Regulation 153/04 – Records of Site Condition – Part XV.1 of the Act, made under the Environmental Protection Act.

At the time of the Site visit, which was conducted on August 20, 2018, the RSC Property was located on the northern portion of the Subject Property which is currently occupied by Elmvale Acres Shopping Centre. The RSC Property consisted of a single storey commercial building occupied by Kelsey’s Restaurant with landscaping along the Site Building perimeter. There was landscaping on the southeast corner and exterior patio area on the southwest corner of the Site Building. Metal bins for recycling and garbage collection purposes were located immediately east of the Site Building. In addition, Enbridge gas lines were observed on the northeast corner of the Site Building indicating the heating and cooling of the Site Building was on natural gas. Access to the Site included three driveways off of Othello Avenue, Smyth Road and St. Laurent Boulevard from the west, north and east sides respectively. Remaining portion of the RSC Property consisted of asphalt paved parking areas associated with the Elmvale Acres Shopping Centre and the Site building. The surrounding properties to the Site included primarily of residential and commercial activities with some community land uses.

Based on the information obtained and reviewed as part of this Phase One ESA, several off-Site potentially contaminating activities (PCAs) were identified in association with the Site; however, based on available information and observations made during the Site visit, none of the identified PCAs were considered to be represent an area of potential environmental concern (APEC) for the RSC Property. As such, no Phase II ESA is recommended for the RSC Property.

At the time of preparation of this report, a response to Golder’s request for information had not been received from the Ontario Ministry of the Environment Parks and Conservation (MOE) and Ministry of Natural Resources and Forestry (MNRF). However, the MOE response to the FOI request made as part of the 2015 Golder Phase One ESA indicated that reports were available for 1910 St. Laurent Boulevard, Ottawa, Ontario (Elmvale Acres Shopping Centre) associated with various inspections report, waste audit and management plans for the Subject Property. No issues of non-compliance or violations with regards to applicable regulations were identified. In addition, these reports also included various environmental assessments and risk assessments previously conducted at the Elmvale Acres Shopping Centre (consists of the RSC Property) which were reviewed as part of the 2015 Golder Phase I ESA and discussed under section 3.1.6.

Given the body of information acquired, it is considered that the absence of this information should not likely affect the final conclusion of this Phase One ESA. Golder will review the responses to these regulatory requests upon their receipt and should the response affect the findings of this Phase One ESA, it will be forwarded to the Client. There were no material deviations to the Phase One ESA requirements set out in O.Reg. 153/04 that would cause uncertainty or absence of information that would affect the validity of the Phase One Conceptual Site Model or the findings of this Phase One ESA.

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## 1.0 INTRODUCTION

### 1.1 Phase One Property Information

Golder Associates Ltd. (Golder) was retained by 2058280 Ontario Limited (RioCan Real Estate Inv Trust) (“RioCan”) to conduct a Phase One Environmental Site Assessment (Phase One ESA) for a part of the property located at 1910 St. Laurent Boulevard in Ottawa (The “Subject Property”). The part of the Subject property which is covered by this Phase One ESA includes a 87,359.2 ft<sup>2</sup> (2.0055 acres) “L” shaped parcel of land (estimated from Google Earth) located at the northern end of the Subject Property, hereafter referred to as the “Site”, “Phase One Property” or “RSC Property”, as shown on Figure 1.

Golder conducted a Phase One ESA, in accordance with O.Reg. 153/04, for the Subject Property in 2015 (hereafter referred to as the “2015 Golder Phase One ESA”) which included the Site; due plans for redevelopment of the Site, this Phase One ESA was required for the Phase One Property which forms a part of the previous 2015 Golder Phase One ESA area.

At the time of the Site visit, which was conducted on August 20, 2018, the RSC Property was located on the northern portion of the Subject Property which is currently occupied by Elmvale Acres Shopping Centre. The RSC Property consisted of a single storey commercial building occupied by Kelsey’s Restaurant with landscaping along the Site Building perimeter. There was landscaping on the southeast corner and exterior patio area on the southwest corner of the Site Building. Metal bins for recycling and garbage collection purposes were located immediately east of the Site Building. In addition, Enbridge gas lines were observed on the northeast corner of the Site Building indicating the heating and cooling of the Site Building was on natural gas. Access to the Site included three driveways off of Othello Avenue, Smyth Road and St. Laurent Boulevard from the west, north and east sides respectively. Remaining portion of the RSC Property consisted of asphalt paved parking areas associated with the Elmvale Acres Shopping Centre and the Site building. The surrounding properties to the Site included primarily of residential and commercial activities with some community land uses.

Given that the Site will be redeveloped for residential and retail (mixed-use) purposes, a change in land use from less sensitive (commercial) to more sensitive (residential) entails a mandatory requirement for filing of a Record of Site Condition (RSC) for this property pursuant to Ontario Regulation 153/04 – Records of Site Condition – Part XV.1 of the Act, made under the Environmental Protection Act.

The property information for the RSC Property is as follows:

<b>Municipal Address</b>	Part of 1910 St. Laurent Boulevard, Ottawa
<b>Property Identification Number</b>	Part 1 of PIN 041720204
<b>Legal Description</b>	Part 1 Part of Block E of Registered Plan 643, City of Ottawa

The Site location is provided on Figure 1. A Site plan is provided on Figure 2. A plan of survey for the RSC Property is provided in Appendix A.

The contact information for the Site is:

Site Owner/Client	Address	Contact Information
2058280 Ontario Limited (RioCan Real Estate Inv Trust)	Riocan Yonge Eglinton Centre 2300 Yonge Street, Suite 500 Toronto, Ontario M4P 1E4	Catherine Truong Office: (416) 866-8744 Email: <a href="mailto:Ctruong@riocan.com">Ctruong@riocan.com</a>



## 2.0 SCOPE OF INVESTIGATION

A Phase One ESA is a preliminary qualitative assessment of the environmental condition of a property, based on a review of current activities and historical information for the Site and a review of relevant and readily available environmental information for the surrounding properties located within a 250 metre (“m”) radius of the boundary of the Site (collectively referred to as the “Phase One Study Area”). The boundary of the Phase One Study Area is presented in Figure 2.

According to Ontario Regulation (O.Reg.) 153/04 *Records of Site Condition*, the objectives of a Phase One ESA are to:

- 1) Develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in, or under the Site;
- 2) Determine the need for a Phase Two Environment Site Assessment (ESA);
- 3) Provide a basis for carrying out a Phase Two ESA;
- 4) Provide adequate preliminary information about environmental conditions in the land or water on, in, or under the Site for the conduct of a risk assessment following completion of a Phase Two ESA; and,
- 5) Identify and report on evidence of actual and/or potential contamination on the Site from current and historical activities at the Site or from adjacent properties.

## 3.0 RECORDS REVIEW

### 3.1 General

#### 3.1.1 Phase One Study Area Determination

For the purpose of this Phase One ESA, the Phase One Study Area is the area within a 250 m radius of the boundary of the Site. The Phase One Study Area includes the remaining portion of the Elmvale Acres Shopping Centre (also municipally addressed 1910 St. Laurent Boulevard) consisting of two multi-tenant commercial buildings and large parking areas located south and southwest of the Site. Based on Golder’s review of the historical and current information compiled as part of this Phase One ESA for the area surrounding the Site and observations of neighbouring properties made during the Site visit, it was concluded that an assessment of information pertaining to properties within 250 m of the boundary of the Site was sufficient to achieve the objectives of the Phase One ESA.

#### 3.1.2 First Developed Use Determination

The date of first developed use of the RSC Property was determined based on review of the aerial photographs (and GeoOttawa website), city directories, ERIS Report and information provided by the Client. Based on the earliest aerial photograph 1945, the Phase One Property was primarily undeveloped likely used for agricultural purposes on the southern portion; however, a farm appears on the northern part which includes associated residential and agricultural buildings. Subsequent aerial images indicate that the Site was developed for commercial purposes as part of the Elmvale Acres Shopping Centre between 1958 and 1965. Therefore, it can be determined that the Site was first developed with a farm prior to 1945 and was later redeveloped for commercial purposes (similar to present day land use) with the construction of the Elmvale Acres Shopping Centre.

### 3.1.3 Fire Insurance Plans

Golder reviewed information and records available from Opta Information Intelligence (Opta) for any information (i.e., fire insurance plans (FIP) or reports) relating to the Site.

The FIP for 1968 shows that the RSC property did not consist of any building and/or structures; however, consisted of asphalt paved parking areas associated with the Elmvale Acres Shopping Centre. The shopping mall building included a dry cleaner (where dry cleaning solvents were used) that operated between 1961 and 1976, located approximately 180 m southwest of the Site. The dry cleaner is considered an off-Site PCA and contributed to the VOC plume in groundwater located at least 135 m south of the Site; however, the former presence of this dry cleaning operations and resultant VOC plume in groundwater is not considered to be an area of potential environmental concern (APEC) to the Site due to the distance and cross-gradient location from the Site (as discussed later in this report).

FIPs for the RSC Property and surrounding area were also reviewed. The FIP from 1956 for the Site was similar to the FIP from 1968. The 1956 FIP identified that the properties in vicinity of the intersection of Smyth Road, Russell Road and St. Laurent Boulevard, north of the Site, had two underground gasoline storage tanks at Corkery & Purcell Freight Lines Ltd. (an automotive repair station) at 1816 St. Laurent Boulevard and 'Imperial Oil Products' at 2005 Russell Road is shown to have gasoline and fuel storage tanks (quantity not stated). In addition, an 'Auto Service' station at 939 Smyth Road (currently 969 Smyth Road) is shown to have had one underground gasoline storage tank. During the Site Reconnaissance the tanks indicated on the FIP were not observed. The presence of historical underground storage tanks (USTs) in the Study Area are considered as off-Site potentially contaminating activity (PCA) for the RSC Property, however the USTs at these locations are located on the opposite side of Smyth Road or Russel Road which separates the Site from these PCAs and were more than 50 metres from the Site, thus not considered to have resulted in an APEC to the Site.

One Property Underwriters' Report (PUR) was obtained for a restaurant (Oh! Basil) in the strip mall portion of the shopping centre (located immediately south of the Site), which was constructed between 2002 and 2005. The information provided in the off-Site PUR does not indicate a PCA to be present at this location.

### 3.1.4 Chain of Title

A chain of title for the Subject Property was obtained from Domsons Title Search Inc for the title "*Part Block E & G, Plan 643, Part Dunne St., Plan 643 as in N729172 Ottawa*", which consists of the Site and adjacent Elmvale Acres Shopping Centre. The results of the chain of title are discussed below:

Owner's Name	Dates of Ownership
Crown	Prior to October 3, 1868
Malcolm Fisher (Deed Root 1)	November 7, 1868
John Grant – Estate	November 7, 1868 to February 18, 1873
John Crawford	February 18, 1873 to June 5, 1888
William Gorman – Estate	June 5, 1888 to October 15, 1934
Margaret Gorman	October 15, 1934 to February 1, 1955
Campeau Construction Co. Limited	February 1, 1955 to Unknown

Owner's Name	Dates of Ownership
Malcolm Fisher (Deed Root 2)	April 2, 1868
Alexander Kennedy	June 5, 1888 to June 23, 1891
John Kennedy – Estate	October 15, 1934 to June 10, 1947
Thomas Sanderson	June 10, 1947 to January 2, 1955
Campeau Construction Co. Limited	January 2, 1955 to Unknown
Corporation of the City of Ottawa (Pt. Dunne Street)	Unknown to May 24, 1957
Elmvale Shopping Centre Limited	Block E, Plan 643: January 21, 1956 to January 18, 1972 Block G, Plan 643: June 21, 1956 to January 18, 1972 Pt. Dunne St.: May 24, 1957 to January 18, 1972
Ivanhoe Inc.	January 18, 1972 to April 29, 1990
88049 Ontario Inc.	April 29, 1990 to October 4, 1995
RioCan Holdings Inc.	October 4, 1995 to March 21, 1997
1910 St. Laurent Blvd. Limited	March 21, 1997 to July 30, 2001
Penretail I Ltd.	July 30, 2001 to November 16, 2004
2058280 Ontario Limited	November 16, 2004 to Present

Based on the review of title search, it appears that there may be multiple land registry records available as a result of previous sub-division and combination of properties associated with the Subject Property (Elmvale Acres Shopping Centre) including easement for hydro lines and liens for road construction. However, review of chain of title information for the Site did not indicate any potentially contaminating activity (PCA) for the RSC Property and confirms the first developed use as various private owners until being developed with the current shopping centre around 1956.

### 3.1.5 City Directories

A review of historical city directories for the years 1951, 1956, 1961, 1966, 1971, 1976, 1981-82, 1987, 1991, 1996, 2001-02, 2006-07 and 2011 was completed by LGI Copy Services Canada ("LGI") for the Phase One Property and surrounding properties (within 250 m) during the 2015 Golder Phase One ESA. Golder reviewed relevant information with respect to the RSC Property from the city directories search and summarized the following noteworthy findings of the city directory review.

#### ***RSC Property and Phase One Property***

- There were no listing for the Site prior to 1966.
- The Site was listed as 1910 St. Laurent Boulevard from 1966 to 2011, as part of the multi-tenant commercial property consisting of three commercial buildings- Elmvale Acres Shopping Centre located southwest of the Site, a strip mall located south of the Site and Kelsey's Restaurant (the Site Building).

### **Subject Property (off-Site to the South)**

- The Subject Property, also addressed 1910 St. Laurent Boulevard, was listed as the Elmvale Acres Shopping Centre and was indicated to have included Kim's Cleaners (a drop-off depot only as per the 2015 Golder Phase One ESA) in 2006-07, Fuji Image in 1996-97 and Spic and Span Cleaners in 1976 and 1987.

### **Surrounding Area**

- 1815 to 1971 St. Laurent Boulevard was listed in the 1966 and subsequent city directories. These addresses were listed as residential and a few commercial properties as follows:
  - 1867 St. Laurent Boulevard was listed in the 1966, 1971, 1976, 1981-82, 1987, 1992, 1996-97, 2006-07, 2011 city directories including Compass Group Canada, Science Media Centre, Canada Science and Technology Museum, and Morrison-Lamothe Bakery;
  - 1930 St. Laurent Boulevard was listed as Royal Bank of Canada in the city directories searched from 1992 to 2006-07;
  - 1850 St. Laurent Boulevard was listed as Esso in 1976;
  - 1816 St. Laurent Boulevard was listed as Corkery & Purcell Freight Lines Ltd., an automotive repair station, in the 1966 and 1971 directories; and,
  - 1844-1944 St. Laurent Boulevard (even numbered addresses only) were listed as Elmvale Shopping Centre which included Spic and Span Cleaners in the 1966 and 1971 directories. This listing is likely the same as the one for the Subject Property.
- 935 to 1035 Chapman Boulevard was listed as residential in the directories searched from 1961 to 2011 with the exception of 939 Chapman Boulevard which was listed as Creative Outdoor Advertising in the 2006-07 directories. Chapman Boulevard was not listed in the city directories prior to 1961;
- 925 – 960 Hamlet Road was listed as residential in the directories searched from 1966 to 2011 with the exception of 934 Hamlet Road which was listed as Emmanuel United Church in the 2011 directories. These addresses were not listed in the city directories prior to 1961;
- 2370 Lancaster Road was listed as a commercial property in the 1976 and subsequent directories including Borden Co., Silverwood Dairies, National Milk Distributors, S.M. Enterprises; Midway Family Fun Park, Darmah Investments, Valdar Coin Co. 2380 Lancaster Road was only listed in the 1981-82 and 1987 directories which listed the property as vacant land and the National Museum of Science and Technology, respectively;
- 1950 to 2030 Olympia Crescent was only listed in the 1961 and subsequent city directories. All addresses were listed as residential in these directories with the exception of 2001 Olympia Crescent which was occupied by Telecomsyst Services in 1992 and 2000 Olympia Crescent which was listed as High Time Balloon Co. and/or Esthetics by Patricia in the directories searched from 1996-97 to 2011;
- 930 – 980 Wingate Drive were not listed in the city directories prior to 1961 not the 2006-07 directories. All other directories listed these addresses as residential with 955 Wingate Drive listed as St. Aiden's Anglican Church in the 2001-02 and 2011 directories;
- 1890 to 1920 Russell Road was only listed in the 1976 and subsequent city directories. They were all listed as residential in these directories with the following exceptions:

- 1929 Russell Road was listed as a multi-tenant office building (the Smyth Medical Centre) in the city directories searched between 1987 and 2011;
  - 1909 Russell Road was listed as Standby Travel Inc. in 2001-02;
  - 1906 Russell Road was listed as CDG Inc. in 2006-07; and,
  - 1895 Russell Road was listed as a community centre in 2011.
- 920 to 954 Smyth Road was listed as residential in the city directories searched from 1956 to 2011 with the exception of a few commercial properties as follows:
- 969 Smyth Road was listed as an Esso gas station in city directories searched from 1981-82 to 2006-07;
  - 939 Smyth Road was listed as Belisle Service Station in 1966 and 1971. There was no other evidence of a gas station located at this property and its address does not currently exist. As such, it was assumed that there was an error in the city directories that this facility was actually located at 969 Smyth Road which was likely occupied by the Belisle Service Station prior to the Esso gas station;
  - 945 Smyth Road was listed as Bank of Montreal in the city directories from 1966 to 2011; and,
  - 933 Smyth Road was listed as Lutheran Church in 1976, 1981-82, 1987, 2006-07 and 2011.

Based on review of the city directories, the former presence of a dry cleaning facility on the Subject Property represents an off-Site PCA. In addition, previous investigations conducted at the Subject Property (detailed discussion in section 3.1.6) indicate that the historical dry cleaning operations, where dry cleaning solvents were used, were located approximately 180 m southwest of the Site between 1961 and 1976 and approximately 160 m south of the Site (current location of Kim's Cleaners) between 1976 and 1994. The dry cleaning facility reportedly operates as a drop-off depot only since 1996 with no use dry cleaning solvents. Furthermore, given that the northern edge of the documented VOC groundwater plume is located approximately 135 m south of the RSC Property, in a cross-gradient location, the presence of former and current dry cleaning operations are not considered to represent and APEC for the RSC Property. In addition, the gas stations that were located at 969 Smyth Road and 1850 St. Laurent Boulevard as well as the automotive repair shop that was located at 1816 St. Laurent Boulevard also represent off-Site PCAs. These PCAs are shown on Figure 10. As stated previously, the USTs associated with the closest retail fuel outlet is more than 50 metres from the Site and is separated by a roadway with associated underlying utility trenches. When combined with previous testing on the Subject Property (Section 3.1.6) these off-Site PCAs are not considered to have resulted in an APEC to the Site.

### 3.1.6 Environmental Reports

There were previous environmental investigations carried out with respect to the Subject Property which also included some testing on the Site (or RSC Property), mainly associated with the delineation of the VOC groundwater plume to the south of the RSC Property. These reports were reviewed by Golder as part of the 2015 Golder Phase One ESA titled "*Phase One Environmental Site Assessment, Elmvale Acres Shopping Centre*", dated September 2015, prepared for RioCan (report number 1522569-16000) and thus were not re-reviewed but the relevant findings of the previous 2015 Phase One ESA report have been included herein.

In addition, the following Phase Two ESA reports by Golder were also reviewed as part of this Phase One ESA. These Phase Two ESA reports were prepared to evaluate data gaps associated with the investigation on the Subject Property, primarily associated with the VOC Plume and Risk Assessment process that was underway to the South of the RSC Property:

- “Phase Two Environmental Site Assessment, Elmvale Acres Shopping Centre, Ottawa, Ontario” (Draft Report), prepared for RioCan Management Inc., dated June 2018.
- “Phase Two Environmental Site Assessment, Elmvale Acres Shopping Centre, Ottawa, Ontario” (Report# 1522569-16000), prepared for RioCan Management Inc., dated March 2016

Based on the review of these three reports, the following is of note with respect to the RSC Property:

- Stratigraphy encountered was comprised of pavement structure, silty clay, till and bedrock. Some small silty sand/gravel lenses were present within and below the silty clay unit and above the till in the vicinity of Othello Avenue. The depth to bedrock ranged from 13.13 and 15.32 metres below ground surface (mbgs).
- Based on the groundwater level monitoring conducted during previous investigations, groundwater is generally flowing west to east towards the topographic low to the northeast of the Study Area. There was also a suspected flow divide in the west part of the Subject Property which is suspected to be caused due to hydraulic influences associated with stormwater and sanitary sewers on the adjacent roadways along Othello Avenue. The interpreted bedrock groundwater flow direction is northeast.
- An earlier Golder report indicated that approximately 70 L of diesel was reportedly spilled in 2006 from the fuel tank of a truck onto asphalt parking lot southwest of the Kelsey’s restaurant (Site Building), located on the southwest portion of the Site. The spill was cleaned up within 24 hour and reportedly did not enter the nearby storm water catch basin. It was also indicated following Golder’s investigation that no further sampling was required. In addition, ERIS report (ordered as part of the 2015 Golder Phase One ESA) indicated that no environmental impact was anticipated from this spill.
- Former dry cleaning operations, where dry cleaning solvents were used, were located approximately 180 m southwest of the Site between 1961 and 1976 and approximately 160 m south of the Site (current location of Kim’s Cleaners) between 1976 and 1994. The use of dry cleaning solvents reportedly have been stopped since 1996 and the current dry cleaning facility (Kim’s Cleaners) operates as a drop-off depot only since 1996 with no use dry cleaning solvents.
- The Site is not included or adjacent to an area of natural significance. The Site does not include land that is within 30 m of an area of natural significance;
- Soil and groundwater samples collected from eastern and northern portion of the Subject Property and which were on the RSC Property were reviewed to see if there were any suggestions of impacts on the Site from the surrounding off-Site PCAs;
  - Soil samples collected from the Site did not exceed for petroleum hydrocarbons (PHCs) F1 to F4, volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and/or polychlorinated biphenyls (PCBs);

- Groundwater sampling completed at the Site indicated that none of the groundwater samples submitted for laboratory analyses of PHC F1 to F4, VOCs, PCBs, and/or metals exceeded the MOE Table 3 Standards for the parameters analyzed. No odour, sheen or free product was observed or detected in any of the wells located on Site during the investigation;
- Barium, cobalt and/or vanadium exceedances of the MOE Table 3 Standards were identified in 5 of the 14 soil samples collected from the silty clay and were also documented elsewhere on the Subject Property at varying locations and depths throughout the clay. These exceedances were considered to be related to the naturally occurring elevated background metal concentrations in the silty clay rather than associated with any historical activities or any other sources of contamination. This is a well documented condition throughout the Ottawa Area. As such, the metal exceedances in the silty clay are not considered as exceedances for the purpose of the RSC and are not considered further.
- Soil and groundwater samples collected on the Subject Property to the south of the Site confirmed the extent of the documented VOC groundwater plume, showing that it extends to approximately 135 from the south RSC Property boundary and is therefore not an APEC to the Site.

### 3.1.7 Summary of Findings

Based on the review of the previous environmental reports, no soil or groundwater exceedances of the applicable site standards are present on the RSC Property and the documented VOC groundwater plume has been sufficiently delineated to the south of the RSC Property and is not an APEC to the Site.

## 3.2 Environmental Source Information

### 3.2.1 ERIS Report

Golder contracted ERIS to conduct a search of environmental sources, including federal, provincial, and private sector databases during the 2015 Golder Phase One ESA for Elmvale Acres Shopping Centre. In addition, ERIS also provided Golder with the following reference maps: Ontario Base Mapping (OBM) Data and Areas of Natural and Scientific Interest (ANSI). Given that the RSC Property is encompassed by the Elmvale Acres Shopping Centre, it was deemed that review of 2015 Phase One ESA would satisfy the objectives of the search of environmental sources. Furthermore, the ERIS report also included the Phase One Study Area and as such relevant information for the surrounding properties within 250 m from obtained then would also be relevant for this Phase One ESA.

The databases searched included the following:

Federal	Provincial	Private
<ul style="list-style-type: none"> <li>■ Contaminated Sites on Federal Land</li> <li>■ Environmental Effects Monitoring</li> <li>■ Environmental Issues Information System</li> <li>■ Federal Convictions</li> <li>■ Fisheries &amp; Oceans Fuel Storage Tanks</li> <li>■ Indian &amp; Northern Affairs Fuel Tanks</li> <li>■ National Analysis of Trends in Emergencies System (NATES)</li> </ul>	<ul style="list-style-type: none"> <li>■ Abandoned Aggregate Inventory</li> <li>■ Abandoned Inventory</li> <li>■ Aggregate Mine Information System</li> <li>■ Borehole</li> <li>■ Certificates of Approval</li> <li>■ Certificates of Property Use</li> <li>■ Commercial Fuel Oil Tanks</li> <li>■ Compliance and Convictions</li> <li>■ Drill Hole Database</li> <li>■ Environmental Activity and Sector Registry</li> <li>■ Environmental Compliance Approval</li> </ul>	<ul style="list-style-type: none"> <li>■ Anderson's Storage Tanks</li> <li>■ Anderson's Waste Disposal Sites</li> <li>■ Automobile Wrecking &amp; Supplies</li> <li>■ Canadian Mine Locations</li> <li>■ Canadian Pulp and Paper</li> <li>■ Chemical Register</li> <li>■ ERIS Historical Searches</li> <li>■ Oil and Gas Wells</li> <li>■ Retail Fuel Storage Tanks</li> <li>■ Scott's Manufacturing Directory</li> </ul>

Federal	Provincial	Private
<ul style="list-style-type: none"> <li>■ National Defence &amp; Canadian Forces Fuel Storage Tanks</li> <li>■ National Defence &amp; Canadian Forces Spills</li> <li>■ National Defence &amp; Canadian Forces Waste Disposal Sites</li> <li>■ National Environmental Emergencies System (NEES)</li> <li>■ National PCB Inventory</li> <li>■ National Pollutant Release Inventory</li> <li>■ Parks Canada Fuel Storage Tanks</li> <li>■ Transport Canada Fuel Storage Tanks</li> </ul>	<ul style="list-style-type: none"> <li>■ Environmental Registry</li> <li>■ Fuel Storage Tank</li> <li>■ Fuel Storage Tank – Historic</li> <li>■ Inventory of Coal Gasification Plants and Tar Sites</li> <li>■ Inventory of PCB Storage Sites</li> <li>■ Landfill Inventory Management Ontario</li> <li>■ List of TSSA Expired Facilities</li> <li>■ Mineral Occurrences</li> <li>■ Non-Compliance Reports</li> <li>■ Ontario Oil and Gas Wells</li> <li>■ Ontario Regulation 347 Waste Generators Summary</li> <li>■ Ontario Regulation 347 Waste Receivers Summary</li> <li>■ Ontario Spills</li> <li>■ Orders</li> <li>■ Permit to Take Water</li> <li>■ Pesticide Register</li> <li>■ Private and Retail Fuel Storage Tanks</li> <li>■ Record of Site Condition</li> <li>■ TSSA Historic Incidents</li> <li>■ TSSA Incidents</li> <li>■ TSSA Pipeline Incidents</li> <li>■ TSSA Variances for Abandonment of Underground Storage Tanks</li> <li>■ Waste Disposal Sites - MOE 1991 Historical Approval Inventory</li> <li>■ Waste Disposal Sites - MOE CA Inventory</li> <li>■ Wastewater Discharger Registration Database</li> <li>■ Water Well Information System</li> </ul>	

The complete ERIS report (obtained as part of the 2015 Golder Phase One ESA) including a brief description of each of the databases searched for the Phase One ESA, is included in Appendix C.

The following is a summary of the findings as identified within the ERIS report relevant to the Site and for the surrounding properties within the Phase One Study Area:

### On-Site

Noteworthy records for the Phase One Property included the following:

- Waterwell Information Systems (WWIS) – There was one record of a water well at the Site completed for a test hole in November 2006. The well was drilled to a depth of 3.66 metres below ground surface (mbgs) into overburden that consisted of sand, gravel fill (pavement structure) underlain by grey clay.



### Subject Property (off-Site to the South)

Noteworthy records for the Subject Property (which is part of the Phase One Study Area) included the following:

- Ontario Regulation 347 Waste Generators Summary (GEN) – Thirty (30) records were identified for the Subject Property including the following:

**Table 1: On-Site Waste Generators Summary**

Address	Generator Number	Approval Years	Waste Classes
Pharma Plus Drugmart Ltd. 1910 St. Laurent Boulevard, Ottawa, ON  (4 Records)	ON9202509	As of May 2015 1998, 1999, 2000, 2001 1994, 1995, 1996 1992, 1993, 1997	312 – Pathological Wastes
2058280 Ontario Limited 1910 St. Laurent Boulevard, Ottawa, ON  (7 Records)	ON6986798	As of May 2015 2013 2012 2011 2010 2009 2006, 2007, 2008 2004, 2005	241 – Halogenated Solvents
Caremedics Elmvale Inc. 1910 St. Laurent Boulevard, Ottawa, ON  (6 Records)	ON5058871	As of May 2015 2013 2012 2011 2010 1994, 1995, 1996	312 – Pathological Wastes 241 – Halogenated Solvents
INVIVA McKesson Pharma Care 1910 St. Laurent Boulevard, Ottawa, ON  (1 Record)	ON2892644	As of May 2015	312 – Pathological Wastes
Candace Dry Cleaners 1910 St. Laurent Boulevard, Ottawa, ON  (6 Records)	ON0573409	1999, 2000, 2001 1992, 1993, 1994, 1995, 1996, 1997, 1998 1994, 1995, 1996 1990 1986, 1987, 1988, 1989	241 – Halogenated Solvents
Fuji Image Plaza W.P.I Supply Ltd.	ON1144400	2002, 2003, 2004	264 - Photoprocessing Wastes

Address	Generator Number	Approval Years	Waste Classes
1910 St. Laurent Boulevard, Ottawa, ON  (5 Records)	ON1144400	1999, 2000, 2001 1992, 1993, 1994, 1995, 1996 1989, 1997, 1998	
Hydro Ottawa Limited 1910 St. Laurent Boulevard, Ottawa, ON  (1 Record)	ON8454234	2004	N/A

- Certificate of Property Use (CPU): One CPU was issued to 2058280 Ontario Limited for 1910 St. Laurent Boulevard, Ottawa, Ontario in 2007 (EBR Registry Number: 010-0984);
- Pesticide Register Database (PES): Thirteen (13) records were identified in the PES including for Loblaw's and Elmvale Home Hardware, both of which sell pesticides as a vendor or limited vendor license type;
- Ontario Spills (SPL): Two (2) spills were reported on SPL with following details:
  - ITN Food Corporation at 1910 St. Laurent Boulevard had a reported spill 2/5/2006 of 70 L of diesel fuel due to a transport accident. The spill was to the ground and a catch basin and it is reported that there was no environmental impact anticipated; and
  - Hydro Ottawa Limited had a reported spill of 100 L of transformer oil (N.O.S.) on 6/7/2004 at the Elmvale Shopping Centre. It was reported that the spill was to land and that there was possible soil contamination, but that an environmental impact was not anticipated.
- Waterwell Information Systems (WWIS) – There are four (4) reported WWIS records. Well records are a combination of observation wells and historical potable water wells. The stratigraphy in the area is reported to be brown sand and gravel underlain by silty clay and limestone or shale bedrock. The static water level was not provided in the records.

### **Surrounding Properties within 250 metres of the Site**

Noteworthy records for the Phase One Study Area (excluding the Subject Property) included the following:

- Boreholes (BORE): Nineteen (19) boreholes were listed within the Phase One Study Area (excluding the Subject Property) and that the stratigraphy in the area is primarily clay underlain by limestone;
- Environmental Compliance Approval (ECA): There was one record of an ECA that was issued to Canada Post in 2012 for industrial sewage; and,
- List of TSSA Expired Facilities (HINC): Thirteen (13) records for TSSA expired facilities were reported for the Esso (retail fuel outlet) at 969 Smyth Road for liquid fuel tanks and piping.
- Private and Retail Fuel Storage Tanks (PRT): There was one record of a private and retail fuel storage outlets at 969 Smyth Road (Esso Gas Station) and the license expired 1994-01-31 and the storage capacity was 32,996 L.

- Retail Fuel Storage Tanks (RST): One record for RST was for an Esso at 969 Smyth Road with facility description as ‘Service Station – Gasoline, Oil and Natural Gas’;
- There are forty-six (46) records of waste generator records identified for the Study Area. Waste classes identified are varied and are included in the EcoLog ERIS Report in Appendix B. Waste generators identified include:
  - Darmah Investments Ltd. at 2370 Lancaster Road;
  - Imperial Oil at 969 Smyth Road;
  - Asbex at 101-1710 Lancaster Road;
  - Smyth Medical Centre at 1929 Russell Road;
  - Canada Science and Technology Museum at 2380 Lancaster Road;
  - Northern Brake Shops Ltd. at 1850 St. Laurent Boulevard;
  - Canada Science and Technology Museum at 1867 St. Laurent Boulevard;
  - Diresco at 905 Smyth Road; and,
  - City of Ottawa at 1816 St. Laurent Boulevard.
- TSSA incident (INC): One (1) report noted that there was a leak of 450 L of fuel at 907 Smyth Road. The record indicated that casual analysis was completed but no other details were provided in the record;
- Scott’s Manufacturing Directory (SCT): There were two (2) records identified in the SCT with both records associated with the Canada Science and Technology Museum;
- Ontario Spills (SPL): There are eleven (11) records of SPL which include the following:
  - BFI Canada Inc. had a reported spill on 1/11/2011 of glycerol/water solution at 1919 St. Laurent Boulevard to a parking lot drain. The volume reported was 19 L and environmental impact was not anticipated;
  - City of Ottawa had a reported spill on 10/2/2010 of ethylene glycol (antifreeze) in front of 1990 Russell Road due to a pipe or hose leak. The volume of antifreeze was not indicated on the report and environmental impact was not anticipated;
  - Hydro Ottawa Limited had a reported spill of 1 L of transformer oil to the road on 11/9/1990 at the southwest corner of St. Laurent Boulevard and Smyth Road. The record indicated that environmental impact due to the spill was not anticipated;
  - 956 Chapman Boulevard, Ottawa, Ontario where it was reported that 2 L of furnace oil spilled to the floor due to a leaking filter. The spill occurred 4/22/1992 and there was a possible environmental impact;
  - Sealtest had a report spill of 25-50 L of fuel that leaked from a ruptured line on a transport truck into the storm sewer at 2370 Lancaster Road from a transport Truck. The spill occurred on 1/14/1992 and environmental impact was possible;

- An unknown volume of furnace oil spill occurred at 929 Wingate Street on 22-Oct-2012 due to equipment failure. The record indicated that environmental impact was not anticipated;
- 60 L of hydraulic oil was reported to have spilled to the lot at 1991 St. Laurent Boulevard by Veolia Environmental on 09-May-2012 with no anticipated environmental impact;
- Brinks Canada has a report spill of 4.5 L of diesel to asphalt at 1860 St. Laurent Boulevard due to a pipe or hose leak. The spill occurred on 5/8/2006 and environmental impact due to the spill was not anticipated;
- 20 L of furnace oil was reported to have spilled to concrete at a residential house located at 907 Smyth Road due to equipment failure. The spilled occurred on 6/1/2010 and environmental impact was not anticipated;
- There were two records of a 100 L oil spill at the Canada Museum of Science and Technology at 1867 St. Laurent Boulevard on 01-Feb-2012. One record was a duplicate of the other. The receiving medium was the municipal sewer and environmental impact was not anticipated; and,
- Waterwell Information Systems (WWIS) – There are twenty three (23) reported WWIS records which indicate that stratigraphy in the area is generally reported to be brown sand and gravel underlain by silty clay and limestone or shale bedrock. The static water level is between 3 and 10.4 mbgs.

Based on review of the EcoLog ERIS report, there are no PCAs identified in association with present and/or historical activities at the Site; however, off-Site PCAs within the Subject Property were identified in association with the former dry cleaning operations. However, these dry cleaning facilities that used dry cleaning solvents operated at two locations on the Subject Property, approximately 180 m southwest of the Site (between 1961 and 1976) and approximately 160 m south of the Site (between 1976 and 1994). Following 1996, use of dry cleaning solvents were discontinued at the Site and it has been used as a dry cleaning drop-off depot only. Given the cross-gradient locations, distances between these facilities and the Site as well as the location of identified VOC groundwater plume 135 m south of the Site, these off-Site PCAs are not considered to represent an APEC for the RSC Property. In addition, the presence of former gas station with associated USTs north of the Site (across Smyth Road) is considered an off-Site PCA for the Site. A 450 L fuel spill was reported to have occurred approximately 215 m northwest of the Site; however, given the distance and amount of infrastructure between the spill location and the Site, it is not on considered to be an issue of concern for the RSC Property. Also identified were several waste generating sites within the Phase One Study Area; however, the presence of waste generators alone is not considered an issue of concern on its own as there is no information as to the handling practices at the identified sites.

### 3.2.2 Ministry of the Environment and Climate Change

A Freedom of Information (FOI) request on August 15, 2018, was submitted to the Ministry of the Environment and Climate Change (MOE) by Golder to determine if the MOE has information on historical spills, orders, investigations or prosecutions, waste generation and Certificates of Approval with respect to the Site.

At the time of preparation of this report, a response from the MOE was not received. However, the MOE response to the FOI request made as part of the 2015 Golder Phase One ESA indicated that reports were available for 1910 St. Laurent Boulevard, Ottawa, Ontario. These reports were associated with various inspections report, waste audit and management plans for the Elmvale Acres Shopping Centre buildings located on the Subject Property and southwest of the RSC Property. No issues of non-compliance or violations with regards to applicable regulations were identified. In addition, these reports also included various environmental assessments and risk assessments previously conducted at the Elmvale Acres Shopping Centre (consists of the RSC Property) which were reviewed as part of the 2015 Golder Phase I ESA and discussed earlier (under section 3.1.6).

### 3.2.3 City of Ottawa

The Historical Land Use Inventory (HLUI) for the Site and surrounding area (refer to copy of the HLUI in Appendix B) was reviewed by Golder. The City of Ottawa HLUI did not identify any records pertaining to the Site; however, 1910 St. Laurent Boulevard was listed for various historical activities at the Elmvale Acres Shopping Centre (shared municipal address with the Site). The noteworthy of these historical activities on the Subject Property but off-Site include:

- 1910 St. Laurent Boulevard (on the Subject Property but off-Site) was listed as dry cleaners, approximately 180 m southwest and/or 160 m south of the Site between 1963 and 2001;
- 1910 St. Laurent Boulevard (on the Subject Property but off-Site) was listed as hardware, paint, glass and wallpaper stores which included paint storage, adjacent southwest of the Site between 2001 and 2005;

In addition, other noteworthy HLUI records within Phase One Study Area (excluding the Subject Property) identified are as follows:

- 1816 St. Laurent Boulevard was listed as motor vehicle wholesaler (likely also included auto service garage) with 2 associated gasoline USTs (located approximately 200 m north of the Site) in 1963;
- 939 Smyth Road was listed as gasoline service station (located approximately 80 m northwest of the Site) in 1963;
- Imperial Oil for wholesale of petroleum products (located adjacent northeast of the Site) was listed on Russell Road in 1963 for fuel and natural gas storage tanks, although the number and type of tanks were not known ;
- 1881 St. Laurent Boulevard was listed as gasoline service station (located approximately 75 m northeast of the Site) in 1970;
- 969 Smyth Road was listed as gasoline service station (located approximately 30 m north of the Site, with the USTs area 50 metres north of the Site) in between 1980 and 2005;
- 1850 St. Laurent Boulevard was listed as auto service garage and (located approximately 110 m north of the Site) between 1980 and 1994; and
- 2370 Lancaster Road was listed as dairy products industries (located approximately 80 m east of the Site) in 1980.

Based on the review of the HLUI records, the presence of former dry cleaning operations at the Subject Property (located southwest and south of the Site) are considered off-Site PCAs for the Site. However, these dry cleaning facilities that used dry cleaning solvents operated at two locations on the Subject Property, approximately 180 m southwest of the Site (between 1961 and 1976) and approximately 160 m south of the Site (between 1976 and 1994). Following 1996, use of dry cleaning solvents were discontinued at the Site and it has been used as a dry cleaning drop-off depot only. Given the cross-gradient locations, distances between these facilities and the Site as well as the location of identified VOC groundwater plume 135 m south of the Site, these off-Site PCAs are not considered to represent an APEC for the RSC Property. The presence of former gasoline service stations and/or auto service garages north of the Site at 1816 St. Laurent Boulevard, 1881 St. Laurent Boulevard, 1850 St. Laurent Boulevard, 939 Smyth Road and 969 Smyth Road are considered to be off-Site PCAs for the Site. Based on the distance of all the off-Site PCAs, previous investigations and/or their separation from the Site by roadways and associated utility trenches none of the off-Site PCAs are considered to represent APECs to the Site.

### **3.2.4 Ministry of Natural Resources and Forestry (MNRF)**

An information request was sent to the Ministry of Natural Resources and Forestry (MNRF) on August 15, 2018. Records requested included any information relating to areas of natural significance in the vicinity of the Site, as well as any other environmental concerns that may be related to the Site and surrounding area.

At the time of preparation of this report a response from the MNRF was not received.

### **3.2.5 Technical Standards and Safety Authority, Fuel Safety Division Records**

The Technical Standards and Safety Authority (TSSA) maintains records related to registered underground storage tanks (“USTs”) for petroleum-related products. The TSSA was contacted to establish the status of the Site and to identify outstanding instructions, incident reports, fuel oil spills or contamination records.

The TSSA replied on August 14, 2018 and indicated that the TSSA have following records for the addresses searched for the Phase One Property or in the Phase One Study Area:

- No active fuel storage tank records were available for the Site and surrounding properties; and,
- Five listings (one for a gasoline station and four for liquid fuel tanks) under 969 Smyth Road were identified; however, all of these listings were expired.

Based on the response from TSSA, the presence of former gasoline station with associated fuel storage tanks is considered to be an off-Site PCA for the RSC Property, however as previously discussed it is not considered as an APEC to the Site.

## **3.3 Physical Setting Sources**

### **3.3.1 Aerial Photographs**

Aerial photographs of the Site and neighbouring properties obtained from LGI for the years 1945, 1958 and 1985, as well as GeoOttawa images from 1965, 1976, 1991, 1999, 2005 and 2014, were reviewed by Golder. Representative photographs were selected for review based on an approximate ten year interval. The information obtained from the aerial photographs was limited by the quality and scale of the available aerial photographs. The earliest aerial photograph available was from 1945.

Information obtained from the review of the aerial photographs is summarized in the following table.

Year	Site	Surrounding Area
1945 (1:15,000)	The Site is primarily occupied by agricultural land on the western and southern portion. It appears as though there is a farm with associated residential buildings at the northeast corner of the Site.	<p><b>North:</b> Bounded by a roadway (present day Smyth Road) followed by agricultural lands with a few agricultural and/or residential buildings to the north of Smyth Road.</p> <p><b>East:</b> Bounded by a roadway (present day St. Laurent Boulevard) followed by agricultural lands followed by another roadway (present day Russell Road). One building structure appears to the east between St. Laurent Boulevard and Russel Road.</p> <p><b>South:</b> Agricultural lands with a residential house southeast of the Site.</p> <p><b>West:</b> Partially bounded by roadway (present day Othello Avenue) followed by agricultural lands.</p>
1958 (1:12,000)	Some activity, likely associated with development of the Site. Although the nature of the works cannot be confirmed, it appears to be construction related and looks as though there may be piles of lumber located on the Site (possibly a staging area for the residential development occurring west of the Site (across Othello Avenue).	<p><b>North:</b> Immediately north, the property at the northeast corner of Smyth Road and St. Laurent Boulevard is possibly being developed as it appears to be disturbed. Major development activities with stockpiles of fill materials located north of Russell Road. Further away from the Site consists of agricultural lands.</p> <p><b>East:</b> As per the 1945 aerial image.</p> <p><b>South:</b> Unconfirmed activities similar to that located on-Site appears, likely associated with construction work of the residential developments to the west of the Site.</p> <p><b>West:</b> The land is fully developed with residential houses.</p>
1965 (GeoOttawa Image)	The Site is occupied by asphalt paved parking lots associated with the Elmvale Acres Shopping Centre. No buildings or structures were present at the Site.	<p><b>North:</b> Similar to the 1958 aerial image with additional commercial development. There appears to be two gasoline service stations located between Smyth Road and Russel Road as well as north of intersection between Russel Road and St. Laurent Boulevard. Further away from the Site consists of vacant lands.</p> <p><b>East:</b> Similar to the 1958 aerial image with additional developments, likely for commercial purposes.</p> <p><b>South:</b> Additional asphalt paved parking area to southeast whereas the Elmvale Acres Shopping Centre building was located southwest of the Site.</p> <p><b>West:</b> As per the 1958 aerial image.</p>

Year	Site	Surrounding Area
1976 (GeoOttawa Image)	No major changes appear with the exception of some landscaped area at the northeast corner of the Site.	<p><b>North:</b> Some of the commercial properties north of Smyth Road have been redeveloped with new building structures. There is no evidence of the newly constructed building at 969 Smyth Road being a gasoline service station with the apparent UST area to the northwest of the pump island. Vacant land is present beyond the commercial properties.</p> <p><b>East:</b> Two multi-storied residential apartments appear across St. Laurent Boulevard along with some other townhouse/condominium style residences.</p> <p><b>South:</b> Additional commercial buildings with associated parking areas appear beyond Elmvale Acres Shopping Centre.</p> <p><b>West:</b> Continued residential developments to the west of the Site.</p>
1985 (1:15,000)	As per the 1976 aerial image with exception of a laneway constructed to connect Othello Avenue and Russel Road.	<p><b>North:</b> Similar to the 1976 aerial image with the addition of a high-rise commercial building.</p> <p><b>East:</b> Similar to the 1976 aerial image except that property immediately adjacent to the northeast corner appears under construction. In addition, St. Laurent Boulevard has been realigned to accommodate the entrance ways for the shopping centre and St. Laurent Boulevard ends at Russell Road, as opposed to its previous alignment ending at Smyth Road.</p> <p><b>South:</b> As per the 1976 aerial image.</p> <p><b>West:</b> Fully developed with residential houses.</p>
1991 (GeoOttawa Image)	As per the 1985 aerial image.	<p><b>North:</b> Similar to the 1985 aerial image.</p> <p><b>East:</b> As per the 1985 aerial image.</p> <p><b>South:</b> As per the 1985 aerial image.</p> <p><b>West:</b> As per the 1985 aerial image.</p>
1999 (GeoOttawa Image)	Similar to the 1991 aerial image with the addition of the Site Building (currently occupied by Kelsey's restaurant) on the northeast corner of the Site.	<p><b>North:</b> As per the 1991 aerial image.</p> <p><b>East:</b> As per the 1991 aerial image.</p> <p><b>South:</b> As per the 1991 aerial image.</p> <p><b>West:</b> As per the 1991 aerial image.</p>



Year	Site	Surrounding Area
2005 (GeoOttawa Image)	Similar to the 1999 aerial image.	<p><b>North:</b> As per the 1999 aerial image.</p> <p><b>East:</b> As per the 1999 aerial image.</p> <p><b>South:</b> As per the 1999 aerial image with the addition of a commercial building immediately southeast of the Site (the strip mall on the Subject Property)</p> <p><b>West:</b> As per the 1999 aerial image.</p>
2017 (GeoOttawa Image)	The 2017 aerial image shows the Site occupied by parking lots on the western and southern portion and a commercial building (occupied by Kelsey's Restaurant) on the northeast corner and is as it appears today	<p><b>North:</b> Similar to the 2005 aerial image; however, the former gasoline service station at 969 Smyth Road (intersection of Smyth Road and St. Laurent Boulevard) is shown as vacant land, likely since 2007.</p> <p><b>East:</b> As per the 2005 aerial image except that three small structures appear adjacent to the Site, likely OC Transpo passenger sheds.</p> <p><b>South:</b> Similar to the 2005 aerial image with two commercial buildings on the Subject Property and commercial buildings immediately adjacent south of the Site.</p> <p><b>West:</b> As per the 2005 aerial image.</p>

Based on the aerial photographs, the Phase One Property appears to have been developed as a farm prior to 1945 with primarily agricultural fields and a residential building on the northeast corner. It was used as a possible construction staging area around 1958, likely associated with residential redevelopments to the west of the Site or the Site itself. Sometime between 1958 and 1965, the Site was developed as part of the Elmvale Acres Shopping Centre but only consisted of asphalt paved parking areas with no building structures. According to subsequent aerial images, a commercial building at the northeast corner of the Site was constructed sometime between 1991 and 1999.

The surrounding properties primarily included agricultural fields and associated structures circa 1945. Significant residential development began to occur in the Study Area around 1958, along with commercial properties and community land uses. The Subject Property was developed between 1958 and 1965 with a large commercial building located southwest of the Phase One Property with an additional commercial building constructed immediately south of the Site between 2002 and 2005. Gasoline service stations have been located north of the Site and are considered to be off-Site PCAs, however as noted previously are not considered as APECs to the Site.

### 3.3.2 Topography, Hydrology and Geology

The following records were reviewed to identify topographic, geologic and hydrogeological conditions at the Site. A topographic map (Ontario Base Map) showing the Site area and the location of any water bodies is provided in Appendix B. Additional information on Site features, as observed at the time of the Site visit, is provided in Section 6.

Topic	Conditions	Comment / Source
<b>Topography of Site and Surrounding Area</b>	The topography of the Site and surrounding areas was generally flat. The Site is graded to convey surface water to catch basins.	Site and surrounding area observations
<b>Overburden Soils</b>	Off-shore marine deposits of clay and silt with underlying erosional terraces.	Surficial Geology of Southern Ontario. Ontario Geological Survey 2010, Miscellaneous Release – Data 128-REV.
<b>Type of Bedrock</b>	Carlsbad formation of interbedded dark grey shale, fossiliferous calcareous siltstone and silty bioclastic limestone.	Bedrock Geology of Ontario. Ontario Geological Survey 2011, Miscellaneous Release – Data 126-Revision 1.
<b>Depth to Bedrock</b>	Drift thickness in the area is estimated to be 10 to 15 metres. Previous investigations in the area of the Site bedrock at a depth of between 13.13 and 15.32 mbgs.	Ontario Base Map owned by Golder, corroborated by borehole logs on adjacent property in 2014 Phase Two ESA (CRA).
<b>Inferred Near Surface Groundwater Flow</b>	Regional groundwater flow is inferred to be to the east towards the regional topographical low. Some flow towards structures and off-Site utilities is expected.	Ontario Base Map provided to Golder by EcoLog ERIS.
<b>Site Grade Relative to the Adjoining Properties</b>	The Site appears to follow the topography of the area and is at grade with respect to properties located adjacent to the Site.	Site observations
<b>Depth to Groundwater</b>	Previous investigation in the area of the Site indicated the depth to groundwater was 2.16 to 2.93 mbgs with an average depth of 2.54 mbgs. However, the WWIS records state that the static water level is between 3 and 10.4 mbgs in the Study Area.	EcoLog ERIS Report corroborated by monitoring well data on adjacent property in 2014 Phase Two ESA (CRA).

It should be noted that local groundwater flow may be influenced by underground utilities (i.e., service trenches) and building structures. For example, the gravel pack used around utilities, such as a water line, can act as interceptors and redirect groundwater flow along the direction of the pipe. If a more accurate description of geology, groundwater flow and groundwater quality is required, a subsurface investigation would be necessary.

### 3.3.3 Fill Materials

Topic	Conditions	Comment / Source
<b>Fill Materials</b>	No fill materials were observed at the time of the Site visit; however may have been involved during the development of the Site Building and/or the Subject Property. Based on previous reports reviewed, it appears that only a thin layer of fill materials exists at the Site predominantly consisting of pavement structure and re-worked native soil. It does not appear any significant fill placement occurred on the Site.	Site observations and previous ESA reports

### 3.3.4 Water Bodies and Areas of Natural Significance

Topic	Conditions	Comment / Source
<b>Nearest Open Water Body</b>	The Ramsay Creek is located approximately 1.8 km east of the Site.	Ontario Base Map provided to Golder by EcoLog ERIS
<b>Areas of Natural Significance</b>	No areas of natural and scientific interest (ANSI) are known to be located on the Site or on the Phase One Study Area. Based on available information, the Site is not considered to be an environmentally sensitive area. However, a response from the MNRF has not been received to confirm this. As such, the Site is not considered an area of natural significance.	Figure 3 (Topographic Map and Areas of Natural Significance)

### 3.3.5 Well Records

Topic	Conditions	Comment / Source
<b>Water Wells on Site</b> (location, stratigraphy of the overburden, from ground surface to bedrock, depth to bedrock, depth to water table, drilling date, use)	No water wells were observed at the Site during the Site reconnaissance. In addition, the ERIS did not report presence of any potable water wells at the Site. There was one record of a test well in the ERIS report and there are as many as three other existing monitoring wells on the Site from previous investigation of the Subject Property	ERIS Report and Site observations
<b>Water Wells on the Neighbouring Properties</b> (location, stratigraphy of the overburden, from ground surface to bedrock, depth to bedrock, depth to water table, drilling rate, use)	Well records identified within Phase One Study Area are a combination of observation wells and historical potable water wells. The stratigraphy in the area is reported to be brown sand and gravel underlain by silty clay and limestone or shale bedrock. The static water level is between 3 and 10.4 mbgs.	EcoLog ERIS Report

### 3.4 Site Operating Records

At the time of the Site visit, RSC Property was developed as part of the Elmvale Acres Shopping Centre and consisted of a single storey commercial building (occupied by Kelsey's Restaurant) at the northeast corner along with asphalt paved driveways and parking area on the remaining portion of the Site. No Site operating records were provided to Golder for review. It is noted that the Site is not considered an Enhanced Investigation Property.

Topic	Title of the information or document	Information Relevant to the Phase One ESA
<b>Regulatory Permits and Records</b>	Not available	None
<b>Materials Safety Data Sheets (MSDS)</b>	Not available	None
<b>Underground utility drawings</b>	Not available	None
<b>Inventory of ASTs and USTs</b>	Not available	None
<b>Environmental monitoring data, including data created in response to an order or request of the Ministry</b>	2015 Golder Phase One ESA"	Conestoga-Rovers & Associates completed a Phase One, Phase Two and Risk Assessment at the Subject Property (reviewed as part of the 2015 Golder Phase One ESA) that encompasses the Site. These reports provide clarification on the impacts of the historical dry cleaning operations located in the Elmvale Acres Shopping Centre and indicates that the contamination associated with the former dry cleaners do not impact the RSC Property. No exceedances of applicable site standards were identified at testing locations on the RSC Property.
<b>Waste management records, including current and historical waste storage location and waste receiver information maintained by the Ministry</b>	Not available	None
<b>Process, production and maintenance documents related to APECs</b>	Not available	No APECs on the Site

Topic	Title of the information or document	Information Relevant to the Phase One ESA
<b>Records of spills and records of discharges of contaminants, including records of spills and records of discharges of contaminants of which notice is required to be given to the Ministry under the Act and records of such spills and discharges required to be kept pursuant to O.Reg. 675/98</b>	ERIS Report, 2015 Golder Phase One ESA	<p>According to ERIS report and a previous Golder report, 70 L diesel was spilled in 2006 from the fuel tank of a truck onto asphalt parking lot located on the southwest portion of the Site. The spill was cleaned up within 24 hour and reportedly did not enter the nearby storm water catch basin. No environmental impact was anticipated from this spill and hence it is not considered to be a PCA for the RSC Property.</p> <p>In addition, other spills with the Phase One Study Area were identified; however, based on distance from the Site, quantity of the spill and reportedly no environmental impact anticipated were not considered to be PCAs for the Site.</p>
<b>Emergency response and contingency plans, including spill prevention and contingency plans prepared pursuant to section 91.1 of the Act, and O.Reg. 224/07</b>	Not available	Not applicable to the operations on the Site.
<b>Environmental audit reports</b>	Not available	None
<b>A Site plan of the facility</b>	Site Plan	Figure 2

## 4.0 INTERVIEWS

During the course of the project Golder has requested all relevant information from 2058280 Ontario Limited (RioCan Real Estate Inv Trust). In addition, a detailed environmental assessment related questionnaire was completed by Ms. Ana Hayley (considered to be the Site Representative with knowledge of operations at the Subject Property) of RioCan as part of the 2015 Golder Phase One ESA. Pursuant to the requirements O.Reg. 153/04, the information obtained from RioCan and completed questionnaire by the Site Representative during 2015 Golder Phase One ESA is deemed sufficient information as would have been available from an interview with the “current owner” with knowledge of current Site operations.

Relevant information obtained during the interview and Site visit is provided in Section 5.0.

## 5.0 SITE RECONNAISSANCE

### 5.1 General Requirements

Shihan Chowdhury of Golder visited the Site on August 20, 2018. The Site visit consisted of a walk-around the Site along with a cursory inspection of surrounding properties from the Site and publicly accessible areas. The RSC Property was occupied by a single storey commercial building constructed in 1996 on the northeast corner and asphalt paved parking areas on the western and southern portion. Asphalt paved driveways from Smyth Road and Othello Avenue provided access to the RSC Property. Landscaping was present immediately south of the building and along the northwest Site boundary.

Photographs of relevant features noted during the Site visit are provided in Appendix E.

### 5.2 Specific Observations at Phase One Property

The specific observations made during the Site visit are presented in the following sections.

Topic	Observations	Source
<b>Structures Number and Age of Buildings on the Site</b>	One single storey commercial building was located on the northeast corner of the RSC Property which was constructed in 1996 and is currently occupied by Kelsey's Restaurant.	Site observations
<b>General Descriptions of Each Building (including improvements)</b>	Site Building consists of slab on grade construction with combined brick and concrete exterior walls.	Site observations
<b>Building Areas</b>	Approximately 456 m <sup>2</sup> (calculated from Google Earth)	Site observations
<b>Number of Floors (include all levels, whether above or below ground)</b>	One above ground floor.	Site observations
<b>Number, Age, and Depth of Levels Below Ground Level</b>	None.	Site observations
<b>Number and Details of all Aboveground Storage Tanks ("ASTs")</b>	No ASTs were observed or reported on the Phase One Property at the time of the Site visit. In addition, previous reports reviewed did not indicate any presence of any historical ASTs as well.	Site observations and Previous Environmental Reports
<b>Number and Details of all Underground Storage Tanks (USTs)</b>	No USTs were observed or reported on the Phase One Property. In addition, no evidence (fill/vent pipes extending through walls or slabs/ground surface, no staining or any obvious odours) was observed during the Site visit to indicate the current or former presence of fuel or chemical USTs on the Site.	Site observations
<b>Asbestos-Containing Materials (ACMs)</b>	None observed at the time of the Site visit. Based on the age of the Site Building (constructed in 1996), it is unlikely that ACMs is present at the Site.	Site observations

Topic	Observations	Source
<b>Polychlorinated Biphenyls (PCB) Containing Materials and Equipment</b>	<p>A pole mounted transformer was located immediately west of the Site along Othello Avenue. In addition, a pad mounted transformer was observed on the Subject Property, southwest of the Site, both off Site.</p> <p>It could not be confirmed whether the pole and/or pad-mounted transformers contain PCBs; however; no evidence of spills or leaks was noted in the area of the off-Site transformers in the vicinity of the RSC Property. Also, no labels indicating whether the transformers are PCB-containing or not were noted on any of the transformers.</p>	Site observations
<b>Lead-Based Paints (LBPs)</b>	Based on the age of the Site Building (constructed in 1996), it is unlikely that LBPs are present at the Site. In addition, all paints and surfaces coatings appeared to be good condition.	Site observations
<b><u>Underground Utilities</u> Potable and Non-Potable Water Sources</b>	Potable water is provided to the area by the City of Ottawa. The City of Ottawa's source of potable water is the Ottawa River, and not groundwater.	Site observations
<b>Utility Lines Present (i.e. Electrical, Natural Gas, other)</b>	Overhead electrical lines were observed along the north and eastern perimeter of the Site.	Site observations
<b>Sanitary/Process Wastewater Receptor</b>	No sanitary or process wastewater is generated on-Site.	Site observations
<b>Sanitary Sewer Connection</b>	Sanitary sewer connection is present at the Site.	Site observations
<b>Septic Systems</b>	None identified.	Site observations
<b>Storm Water Flow</b>	Directed from the paved areas and roofs to City of Ottawa storm sewers.	Site observations
<b>Storm Sewer Connection</b>	City of Ottawa storm sewers across the Site.	Site observations
<b><u>Interior of Structures</u> Entry and Exit Points for Site Buildings</b>	The only entrance and exit point to the Site Building is located on the south elevation.	Site observations
<b>Existing and Former Heating System(s) (include fuel type / source)</b>	There were three natural gas fired roof top heating, ventilation and air conditioning (HVAC) units associated with heating and cooling of the Site Building.	Site observations
<b>Existing and Former Cooling System(s) (include fuel type / source)</b>	Three natural gas fired rooftop units (as mentioned above).	Site observations

Topic	Observations	Source
<b>Drains, Pits, and Sumps (include current use, if any, and former use)</b>	None identified at the time of the Site visit. In addition, no drains, sumps and/or pits were reported to be present at the Site.	Site observations
<b>Unidentified Substances</b>	None identified.	Site observations
<b>Floor Stains or Corrosion Located near a Potential Discharge Location</b>	None evidence of floor stain or corrosion were observed at the time of the Site visit. In addition, no floor stains or corrosion were reported for the RSC Property in the reviewed environmental reports	Site observations
<b><u>Miscellaneous Exterior</u> Location of any Current and Former Wells</b>	Flushmount monitoring wells, likely associated with previous environmental investigations (as discussed in 3.1.6) were observed on the RSC Property as well as on the remaining portions of the Subject Property.	Site observations
<b>Ground Cover (i.e., grass, gravel, soil, or pavement, etc.)</b>	A grass covered area was observed at the northwest corner of the Site (along Othello Avenue). In addition, landscaping was present in the vicinity of the Site Building as well as along the driveway on the northern portion of the Phase One Property. Remaining portion of the Site was covered with asphalt paved driveways and parking area.	Site observations
<b>Current or Former Railway Lines or Spurs</b>	None observed or reported.	Site observations.
<b>Presence of Stained Soil, Vegetation, or Pavement</b>	None observed.	Site observations
<b>Presence of Stressed Vegetation</b>	None observed.	Site observations
<b>Areas Where Fill and/or Debris Materials Appear to Have Been Placed</b>	No piles of fill material or debris were observed during the Site visit.	Site observations
<b>Potentially Contaminating Activity</b>	No PCAs were identified for RSC Property.	Site observations
<b>Unidentified Substances</b>	None identified.	Site observations



### 5.2.1 Enhanced Investigation Property

The Site is occupied by a single storey commercial building occupied by a restaurant and large areas of asphalt paved driveways and parking lot associated with the Elmvale Acres Shopping Centre. Although the Elmvale Acres Shopping Centre consisted of historical ASTs and dry cleaning operations, these storage tanks and/or activities were not located within the RSC Property and as such the Site is not considered as an enhanced investigation property.

## 5.3 Surrounding Land Use

During the Site visit, a visual reconnaissance of the observable operations in the Phase One Study Area was carried out from the Site and publicly accessible areas.

The surrounding properties include residential, community and commercial land uses, as illustrated on Figure 2.

**North:** Bounded by Smyth Road followed by commercial properties including health services and Smyth Medical Centre at 1929 Russell Road as well as Bank of Montreal at 945 Smyth Road. Further away from the Site, land uses include residential homes/buildings, Alda Burt Park and other commercial land uses. A vacant land located immediately north of the Site (across Smyth Road) was previously a gas station.

**East:** High density residential development (cooperative housing and high-rise apartment buildings) east of St. Laurent Boulevard. Further east includes Russell Road and other commercial land uses.

**South:** Immediately adjacent land uses include commercial properties occupied by Elmvale Acres Shopping Centre and a strip mall with associated parking areas (on the Subject Property). Other commercial buildings occupied by banks, clinics and retail stores and associated parking lots located south of the Subject Property at 1930 St. Laurent Boulevard.

**West:** Majority land uses consist of residential homes in the Elmvale Acres neighbourhood across Othello Avenue; however few community and commercial activities include St. Aidan's Church and Kiwanis Music Festival.

## 5.4 Written Description of Investigation

At the time of the Site visit, which was conducted on April 20, 2018, the RSC Property was located on the northern portion of the property occupied by Elmvale Acres Shopping Centre. The RSC Property consisted of a single storey commercial building occupied by Kelsey's Restaurant with landscaping along the Site Building perimeter. There was landscaping on the southeast corner and exterior patio area on the southwest corner of the Site Building. Metal bins for recycling and garbage collection purposes were located immediately east of the Site Building. In addition, Enbridge gas lines were observed on the northeast corner of the Site Building indicating the heating and cooling of the Site Building was on natural gas. Access ways to the Site included three driveways off of Othello Avenue, Smyth Road and St. Laurent Boulevard from the west, north and east sides respectively. Remaining portion of the RSC Property consisted of asphalt paved parking areas associated with the Elmvale Acres Shopping Centre.

During the Site visit, a vacant land was noted to the north of the Site (across Smyth Road) with four monitoring wells. It is likely the former location of the gasoline service station with associated USTs (addressed 969 Smyth Road, approximately 30 m north of the Site, with former USTs 50 metres north of the Site) and hence is considered an off-Site PCA for the Site. In addition, Smyth Medical Centre was located at 1929 Russell Road; however, that property was historically occupied by auto service garage (formerly addressed 1850 St. Laurent Boulevard, approximately 110 m north of the Site) and gasoline and fuel storage facility for Imperial Oil Products

(formerly addressed 2005 Russell Road, approximately 60 m north of the Site) and are both considered as off-Site PCAs. South of the RSC Property consisted of two multi-tenant commercial buildings on the Subject Property as part of the Elmvale Shopping Centre with variety of tenants including restaurants and cafes, retail and liquor stores, health clinics, grocery store and laundry/cleaning facilities. As observed during the Site visit, the dry cleaning facility (Kim's Cleaners) did not appear to include dry cleaning operations and was only used as a drop-off depot; however, reportedly dry cleaning operations have been present at this location (approximately 160 m south of the Site) since 1976 and included use of dry cleaning solvents till 1996 (as discussed in section 3.1.6). Following 1996 this location has been operating as a dry cleaning drop-off depot only with no use of dry cleaning solvents. As such, the identified VOC contaminated groundwater plume (also discussed in section 3.1.6), likely resulting from use of dry cleaning solvents at former dry cleaning operations on the Subject Property, is located at least 135 m south of the Site (or RSC Property) and is not considered to impact soil and groundwater at the RSC Property.

## 6.0 REVIEW AND EVALUATION OF INFORMATION

### 6.1 Current and Past Uses of the Site

The following summarizes the current and past uses of the RSC Property:

Year(s)	Name of Owner(s)	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
Prior to October 3, 1868	Crown	Vacant and/or farmland	Agricultural or other use	No aerial photograph coverage available for prior to 1945. According to 1945 aerial image, the RSC Property appears to consist of a farm with associated agricultural lands and residential building on the northern portion. The southern portions appears to have been undeveloped and/or used for agricultural purposes.
November 7, 1868	Malcolm Fisher (Deed Root 1)			
November 7, 1868 to February 18, 1873	John Grant – Estate			
February 18, 1873 to June 5, 1888	John Crawford			
June 5, 1888 to October 15, 1934	William Gorman – Estate			
October 15, 1934 to February 1, 1955	Margaret Gorman			
February 1, 1955 to Unknown	Campeau Construction Co. Limited			
April 2, 1868	Malcolm Fisher (Deed Root 2)			
June 5, 1888 to June 23, 1891	Alexander Kennedy			
October 15, 1934 to June 10, 1947	John Kennedy – Estate			

Year(s)	Name of Owner(s)	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
June 10, 1947 to January 2, 1955	Thomas Sanderson			
January 2, 1955 to Unknown	Campeau Construction Co. Limited	Under development for the current use.	Commercial	The 1958 aerial shows some activity, likely associated with development of the Site.
Unknown to May 24, 1957	Corporation of the City of Ottawa (Pt. Dunne Street)			
Block E, Plan 643: January 21, 1956 to January 18, 1972  Block G, Plan 643: June 21, 1956 to January 18, 1972  Pt. Dunne St.: May 24, 1957 to January 18, 1972	Elmvale Shopping Centre Limited	Current shopping centre use.	Commercial	The aerial image from 1965 shows that the Site is occupied by asphalt paved parking lots associated with the Elmvale Acres Shopping Centre (the shopping centre building is located southwest of the RSC Property). No buildings or structures were present at the Site.
January 18, 1972 to April 29, 1990	Ivanhoe Inc.	Current shopping centre use.	Commercial	The 1976 aerial image shows no major changes to the Site with the exception of a driveway off of Othello Avenue and some landscaping at the northeast corner of the Site.  The 1985 aerial image indicates the driveway from Othello Avenue has been extended to Russell Road.
April 29, 1990 to October 4, 1995	88049 Ontario Inc.			
October 4, 1995 to March 21, 1997	Riocan Holdings Inc.			
March 21, 1997 to July 30, 2001	1910 St. Laurent Blvd. Limited	Current shopping centre use.	Commercial	The 1999 aerial image shows the addition of the Site Building (currently occupied by Kelsey's restaurant) on the northeast corner of the Site.

Year(s)	Name of Owner(s)	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
July 30, 2001 to November 16, 2004	Penretail I Ltd.			The 2005 aerial image shows similar Site features as appears on 1999 aerial image.
November 16, 2004 to Present	2058280 Ontario Limited	Current shopping centre use.	Commercial	The 2017 aerial image shows the Site occupied by parking lots on the western and southern portion and a commercial building (occupied by Kelsey's Restaurant) on the northeast corner.

## 6.2 Potentially Contaminating Activity

Potentially contaminating activities, which if currently or historically carried out at a Site, may contribute to an area of potential environmental concern (APEC). Based on the information obtained as part of this Phase One ESA, the following PCAs were identified within the Phase One Study Area:

Location	Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
<b>Site and RSC Property</b>	Based on observations during the Site visit and review of available information, no PCAs were identified at the RSC Property.	Site observations, Site Representative and Previous Environmental Reports	None
<b>Phase One Study Area (Subject Property only)</b>	<b>#37. Operation of Dry Cleaning Equipment (where chemicals are used)</b> – Former dry cleaning facilities located approximately 180 m southwest and 160 m south of the RSC Property in the Elmvale Acres Shopping Centre building has caused known contamination on the Subject Property (shown as B1 and B2 respectively on Figure 9).	EcoLog ERIS Report, Site Reconnaissance, Previous Environmental Reports, City Directories	These PCAs are located on the Subject Property, off-Site to the southwest and south of the RSC Property. Based on the cross gradient locations and distances of the former dry cleaning operations from the RSC Property, and associated extent of delineated groundwater impacts (located approximately 135 m south of the RSC Property, it is not considered to represent an APEC.

Location	Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
	<p><b>#28. Gasoline and Associated Products in Fixed Tanks –</b> Review of previous reports indicates that there were ASTs located in sub-grade vaults at two locations on the Subject Property: at the southeast wall (near the Royal Bank approximately 150 m south of the Site) and at the west side of the mall building, currently occupied by Loblaws (approximately 200 m southwest of the Site). These are identified as C1 and C2 on Figure 9, respectively.</p>	<p>Site Reconnaissance, Site Representative, Previous Environmental Reports (CRA)</p>	<p>The PCA is located on the Subject Property occupied Elmvale Acres Shopping Centre, south of the Site. Based on the distance and inferred down gradient location of the PCA locations from the Site, it is not considered to represent an APEC for the Phase One Property.</p>
	<p><b>#55 Transformer Manufacturing Processing and Use –</b> Four concrete pad mounted transformers located off-Site (shown as H1 to H4 on Figure 9).</p>	<p>Aerial photographs, Site observations</p>	<p>Based on the visual observations, no evidence of any stains or spills in the vicinity of the pad mounted transformers, and location of these transformers at least 40 m away from the RSC Property, it is not considered that this PCA will represent an APEC to the Site.</p>
<p><b>Phase One Study Area (excluding the Subject Property)</b></p>	<p><b>#28. Gasoline and Associated Products in Fixed Tanks -</b> North of the Site there was a gas station at the intersection of St. Laurent Boulevard and Smyth Road. The gasoline station was located at 969 Smyth Road (approximately 30 m north of the Site) and has been decommissioned. The land is now vacant (shown as I on Figure 9)</p>	<p>Ecolog ERIS Report, City Directories</p>	<p>Based on a review of the air photos the USTs at this location were 50 metres from the Site and is separated from the Site by Smyth road and its associated service trenches. This combined with investigation work for the Subject Property which included investigation opposite this PCA, did not identify any evidence of impacts. Thus this PCA is not considered to represent an APEC to the Site.</p>

Location	Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
	<p><b>#10 Commercial Autobody Shops</b> – A former automotive repair shop with associated USTs was located at 1816 St. Boulevard; approximately 200 m north of the Site. It is now occupied by Alda Burt Park (shown as F on Figure 9).</p>	<p>FIPs, City Directories</p>	<p>This PCA is separated from the Site by 200 m including Smyth Road and its underlying services, and is located in a likely cross-gradient location. As such, it is not considered to be a PCA that will result in an APEC on the Site.</p>
	<p><b>#28. Gasoline and Associated Products in Fixed Tanks and #10 Commercial Autobody Shops</b> – A former gas station and automotive repair shop, namely Esso and Northern Brake Shops Ltd., have been present at 1850 St. Boulevard; approximately 110 m north of the Site. It is now occupied by multi-storied commercial building (shown as D on Figure 9).</p>	<p>City Directories, EcoLog ERIS Report</p>	<p>This PCA is separated from the Site by 110 m including Smyth Road and its underlying services. In addition, the property was redeveloped with a multi-storied commercial building (addressed 1929 Russell Road) between 1976 and 1985 which required excavation for construction purposes. Thus, any contamination (if present) was likely removed during the construction of the current building. As such, given this and the distance from the Site, it is not considered to be a PCA that will result in an APEC on the Site.</p>
	<p><b>#28. Gasoline and Associated Products in Fixed Tanks</b> – Gasoline and fuel storage tanks associated with Imperial Oil Products have previously been located at 2005 Russell Road (north of former intersection of Russell Road and St. Laurent Boulevard, approximately 60 m north of the Site and shown as G on Figure 9).</p>	<p>FIPs</p>	<p>This PCA is also located on the property (addressed 1929 Russell Road) that was redeveloped with a multi-storied commercial building between 1976 and 1985. Excavation for construction purposes during the redevelopment of the property likely removed contamination (if any) with the excavate soil. As such, given this and the distance from the Site, it is not considered to be a PCA that will result in an APEC on the Site.</p>

### 6.3 Areas of Potential Environmental Concern

Based on the information obtained as part of this Phase One ESA, there were no on-Site PCAs and none of the off-Site PCAs identified were not considered to represent an APEC on the Phase One Property. As such, there are no APECs for the RSC Property.

## 6.4 Conceptual Site Model

A Conceptual Site Model of the Phase One Study Area (as required by O.Reg. 153/04) is presented in a series of Figures 1 to 8 (Figure 1: Key Plan, Figure 2: Site Plan, Figure 3: Topographic Map and Areas of Natural Significance, Figure 4: Surficial Geology, Figure 5: Bedrock Geology, Figure 6: Drift Thickness, Figure 7: Soil Survey Complex (Ontario Soils), and Figure 8: Physiography Map).

The combined set of figures shows:

- Existing buildings and structures;
- Water bodies and Areas of Natural Significance (if present) located in the Phase One Study Area;
- Roads (including names) within the Phase One Study Area;
- Uses of properties adjacent to the Phase One Property; and,
- Location of identified PCAs in the Phase One Study Area.

The following describes the Phase One ESA Conception Site Model (CSM) for the Site based on the information obtained and reviewed as part of this Phase One ESA:

- At the time of the Site visit on August 20, 2018, the RSC Property consisted of an approximately 0.74 hectare (1.83 acres) parcel of land (estimated from Google Earth) and was occupied primarily by asphalt paved areas (driveway and parking lots) and a single storey commercial building occupied by Kelsey's Restaurant.
- No water bodies were identified on the Phase One Property. The Ramsay Creek is located approximately 1.8 km east of the Site. No areas of natural significance were identified on or within the Phase One Study Area.
- According to ERIS report, only one WWIS record existed for the Site which indicated a test hole was drilled to 3.66 mbgs into overburden that consisted of sand, gravel pavement structure underlain by grey clay. However, ERIS report also mentioned a combination of observation wells and historical potable wells records within the Phase One Study Area which indicate that the stratigraphy in the vicinity of Phase One Property is generally brown sand and gravel underlain by silty clay and limestone or shale bedrock. The static water level is between 3 and 10.4 mbgs.
- At the time of the Phase One ESA, the Site was developed as a parking lot and one commercial occupied by Kelsey's Restaurant. Historically, the Site was developed prior to at 1945 (earliest available photograph) as a farm with agricultural lands and farm buildings on the northern portion whereas the southern portion was undeveloped and likely used for agricultural purposes. The Site was redeveloped for commercial purposes around the same time as the construction of Elmvale Acres Shopping Centre sometime between 1958 and 1965. The Site only consisted of parking areas and driveways associated with shopping mall from 1965 till 1996, when the current Site Building was constructed on the northeast corner. There is no indication that the Phase One Property was consisted of an on-site storage or use of chemicals. There are no indications that the Phase One Property was used for an industrial use or any of the following commercial uses: vehicle garage, dry cleaning facility and/or or bulk liquid dispensing facility.
- No piles of fill were observed on the Site at the time of the Site visit.
- The nearest water body is Ramsay Creek is located approximately 1.8 km east of the Site.

- No areas of natural and scientific interest (ANSI) are known to be located on the Site or on the Phase One Study Area. Based on available information, the Site is not considered to be an environmentally sensitive area; however, a response from the MNRF has not been received to confirm this. As such, the Site is not considered an area of natural significance.
- At the time of the Phase One ESA, the surrounding properties within the Phase One Study Area consisted of generally mixed land uses including commercial properties to the north and south, and primarily residential with some community to the west and east. There are indications that surrounding properties in the Phase One Study Area to the north and south consisted of commercial uses including: vehicle garage, bulk liquid dispensing facility, or dry cleaning facility.
- The following roads were located within the Phase One Study Area at the time of the Site visit:
  - Lancaster Road, Russell Road, St. Laurent Boulevard, Othello Avenue, Gladwin Crescent, Hamlet Road, Wingate Drive, Olympia Crescent, and Chapman Boulevard.
- Local groundwater is anticipated to flow east (with localized variations caused by underground utilities in the vicinity of the Site) towards the nearest waterbody, Ramsay Creek, which is located 1.8 km east of the Site.
- There are no on-Site PCA for the Phase One Property; however, several off-Site PCAs were identified (presented in Section 6.2 of this report) but are not considered to have resulted in an APEC on the RSC Property.

#### 6.4.1 Uncertainty and Absence of Information

At the time of preparation of this report, a response to Golder's request for information had not been received from the MOE and MNRF. However, the MOE response to the FOI request made as part of the 2015 Golder Phase One ESA indicated that reports were available for 1910 St. Laurent Boulevard, Ottawa, Ontario (Elmvale Acres Shopping Centre) associated with various inspections report, waste audit and management plans for on the Subject Property. No issues of non-compliance or violations with regards to applicable regulations were identified. In addition, these reports also included various environmental assessments and risk assessments previously conducted at the Elmvale Acres Shopping Centre (consists of the RSC Property) which were reviewed as part of the 2015 Golder Phase I ESA and discussed under section 3.1.6.

Given the body of information acquired, it is considered that the absence of this information should not likely affect the final conclusion of this Phase One ESA. Golder will review the responses to these regulatory requests upon their receipt and should the response affect the findings of this Phase One ESA, it will be forwarded to the Client. There were no material deviations to the Phase One ESA requirements set out in O.Reg. 153/04 that would cause uncertainty or absence of information.

## 7.0 CONCLUSIONS

Based on the information obtained and reviewed as part of this Phase One ESA, several off-Site PCAs were identified in association with the Site; however, based on available information and observations made during the Site visit, none of the identified PCAs were considered to be represent an APEC for the RSC Property. As such, no Phase II ESA is recommended for the RSC Property.



## 7.1 Record of Site Condition Based on Phase One Environmental Site Assessment Alone

Given that the RSC Property is currently occupied by commercial building and that the future use of the property is proposed to be mixed use including residential use, there will be a change in the land use from less sensitive to more sensitive that will trigger a mandatory filing of a RSC.

As indicated above, no APECs were identified in association with the Site and no Phase Two ESA is required for the Site. As such, an RSC can be filed for the Site on basis of the Phase One ESA.

## 8.0 REFERENCES

The following documents and/or data were cited in this report:

Source	Date
Ontario Regulation 153/04	As amended
Bélanger, J. R. 2008 Urban Geology of the National Capital Area, Geological Survey of Canada, Open File 5311, 1 DVD.	2008
Armstrong, D.K. and Dodge, J.E.P. 2007. Paleozoic Geology of Southern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 219	2007
2010 Bélanger, J. R., Urban Geology of the National Capital Area, Geological Survey of Canada, Open File D3256, 2001	2010
Aerial Photographs – National Air Photo Library (Natural Resources Canada)	1945, 1958 and 1985
Aerial Photograph Images – geoOttawa ( <a href="http://maps.ottawa.ca/geoOttawa/">http://maps.ottawa.ca/geoOttawa/</a> )	1965, 1976, 1991, 1999, 2005 and 2014
ERIS report	June 16, 2015
Ontario Ministry of the Environment and Climate Change	Pending response
Ministry of Natural Resources and Forestry	Pending response
Technical Standards and Safety Authority	August 15, 2018

## 9.0 LIMITATIONS AND USE OF REPORT

This report (the “Report”) was prepared for the exclusive use of RioCan Management Inc. for the express purpose of providing advice with respect to the environmental condition of the Site. In evaluating the Site, Golder Associates Ltd. (“Golder”) has relied in good faith on information provided by others as noted in the Report. We have assumed that the information provided is factual and accurate. We accept no responsibility for any deficiency, misstatement or inaccuracy contained in this Report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted, or incomplete or inaccurate historical information from the various agencies. Any use which a third party makes of this Report, or any reliance on or decisions to be made based on it, is the sole responsibility of such third party. If a third party requires reliance on this Report, prior written authorization from Golder is required. Golder disclaims any responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The scope and the period of Golder’s assessment are described in this Report, and are subject to restrictions, assumptions and limitations. Except as noted herein, the work was conducted in accordance with the scope of work and terms and conditions of Golder’s proposal. Golder did not perform a complete assessment of all possible conditions or circumstances that may exist at the Site referenced in the Report. Conditions may therefore exist which were not detected given the limited nature of the assessment Golder was retained to undertake with respect to the Site and additional environmental studies and actions may be required. In addition, it is recognized that the passage of time affects the information provided in the Report. Golder’s opinions are based upon information that existed at the time of the writing of the Report. It is understood that the services provided for in the scope of work allowed Golder to form no more than an opinion of the actual conditions at the Site at the time the Site was visited, and cannot be used to assess the effect of any subsequent changes in any laws, regulations, the environmental quality of the Site or its surroundings. Asbestos and mould surveys were not performed. If a service is not expressly indicated, do not assume it has been provided.

The results of an assessment of this nature should in no way be construed as a warranty that the Site is free from any and all contamination from past or current practices.

## 10.0 STATEMENT OF COMPLETION

The undersigned confirm that this Phase One Environmental Site Assessment was conducted in a manner consistent with the expected standard of care for the consulting industry in Ontario and meets the requirements for Phase One ESAs as set out in O.Reg. 153/04.

## Signature Page

We trust that the information presented in this report meets your current requirements. Should you have any questions or concerns, please do not hesitate to contact the undersigned.

### Golder Associates Ltd.



Shihan Chowdhury, EIT  
*Junior Environmental Consultant*



Keith Holmes, M.Sc., P.Ge.  
*Geoscientist/Associate*

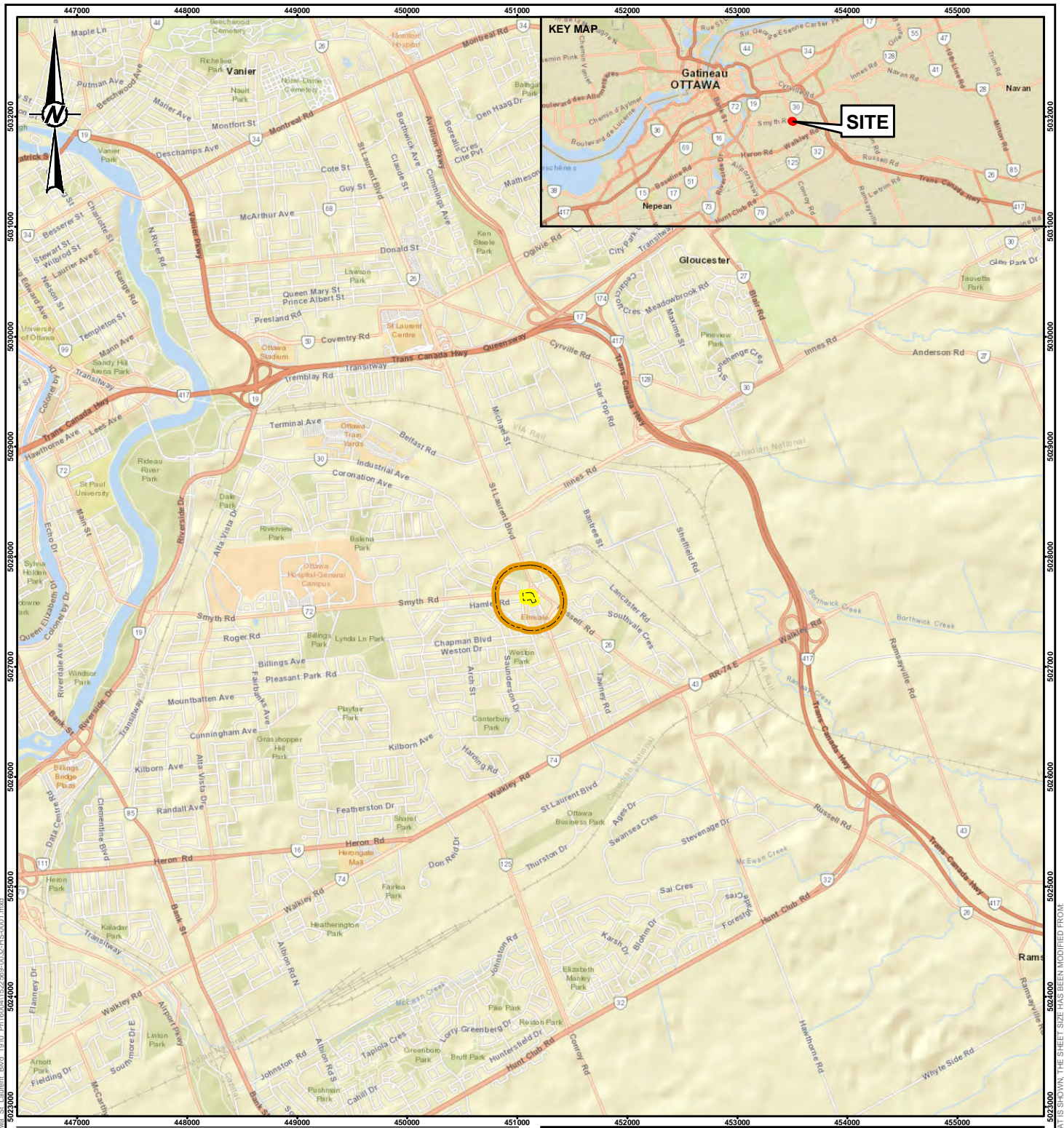


SAC/KPH/hw



\\golder.gds\gaitottawa\active\2015\3 proj\1522569 rio can ph i and phii various\phase 16000 elmvale\deliverables\reporting\1522569-ph i esa\_rsc\_ elmvale acres shopping (north part)\_v4.docx

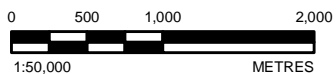
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## Figures



**LEGEND**

-  APPROXIMATE SITE BOUNDARY
-  PHASE ONE STUDY AREA (250 metre RADIUS)



**NOTE(S)**

1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**

1. SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, DELORME, USGS, INTERMAP, INCREMENT P, NRCAN, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), ESRI KOREA, ESRI (THAILAND), MAPMYINDIA, NGCC, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY  
 2. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83  
 COORDINATE SYSTEM: UTM ZONE 18 VERTICAL DATUM: CGVD28

CLIENT  
**RIOCAN MANAGEMENT INC.**

PROJECT  
**O.REG 153/04 PHASE I ENVIRONMENTAL SITE ASSESSMENT  
 1910 SAINT LAURENT BOULEVARD, OTTAWA, ONTARIO**

TITLE  
**KEY PLAN**

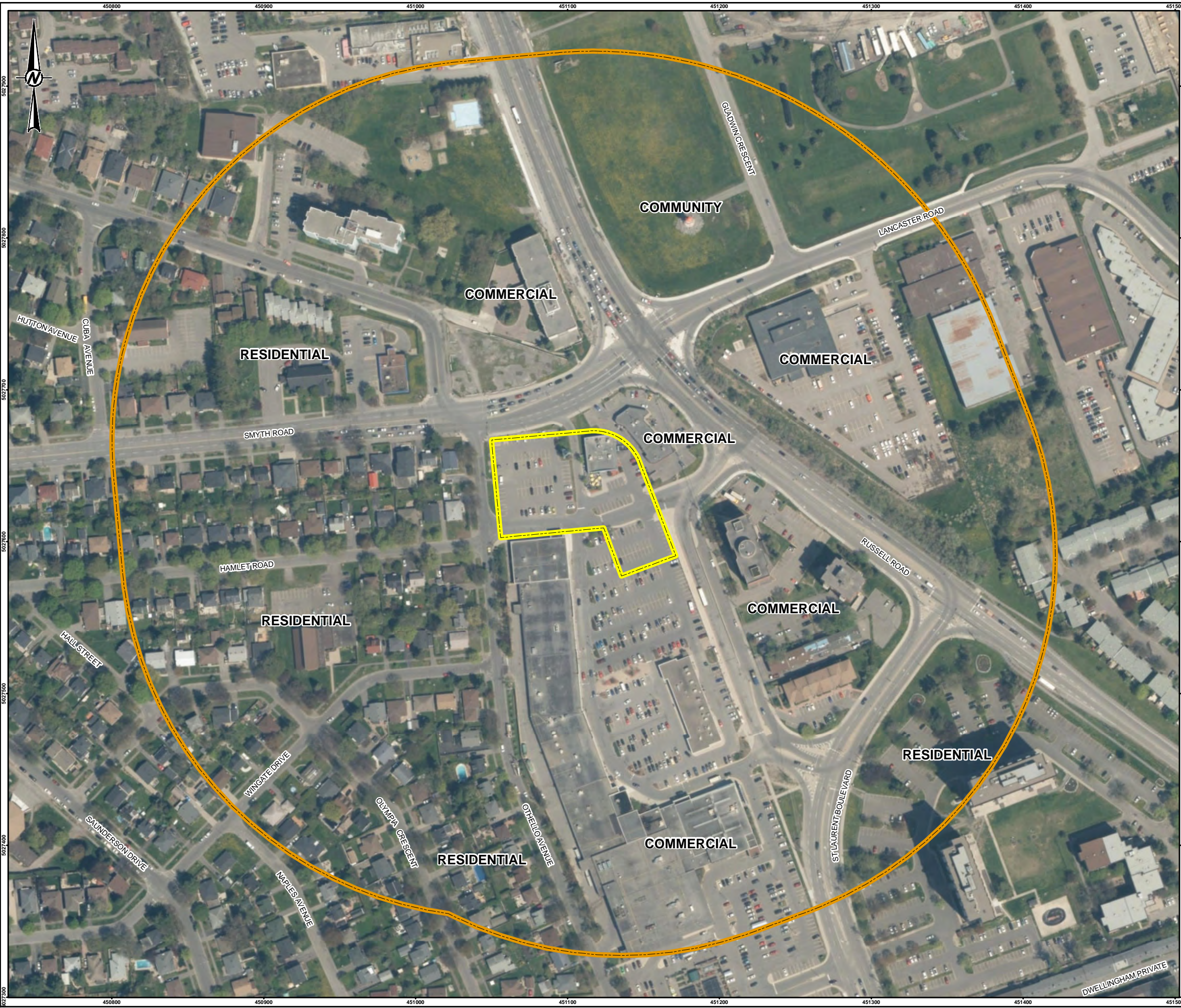
CONSULTANT	YYYY-MM-DD	2018-11-08
	DESIGNED	----
	PREPARED	BR
	REVIEWED	SC
	APPROVED	KPH

PROJECT NO. 1522569	CONTROL 0032	REV. 0	FIGURE <b>1</b>
------------------------	-----------------	-----------	--------------------



IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM 25mm

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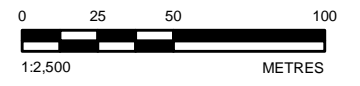


SCALE 1:100,000

- LEGEND**
- APPROXIMATE SITE BOUNDARY
  - PHASE ONE STUDY AREA (250 metre RADIUS)

**NOTE(S)**  
1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**  
1. LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2017  
2. SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, DELORME, USGS, INTERMAP, INCREMENT P, NRCAN, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), ESRI KOREA, ESRI (THAILAND), MAPMYINDIA, NGCC, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY  
3. PROJECTION: TRANSVERSE MERCATOR, DATUM: NAD 83, COORDINATE SYSTEM: UTM ZONE 18, VERTICAL DATUM: CGVD28



CLIENT  
**RIOCAN MANAGEMENT INC.**

PROJECT  
**O.REG 153/04 PHASE I ENVIRONMENTAL SITE ASSESSMENT  
1910 SAINT LAURENT BOULEVARD, OTTAWA, ONTARIO**

TITLE  
**SITE PLAN**

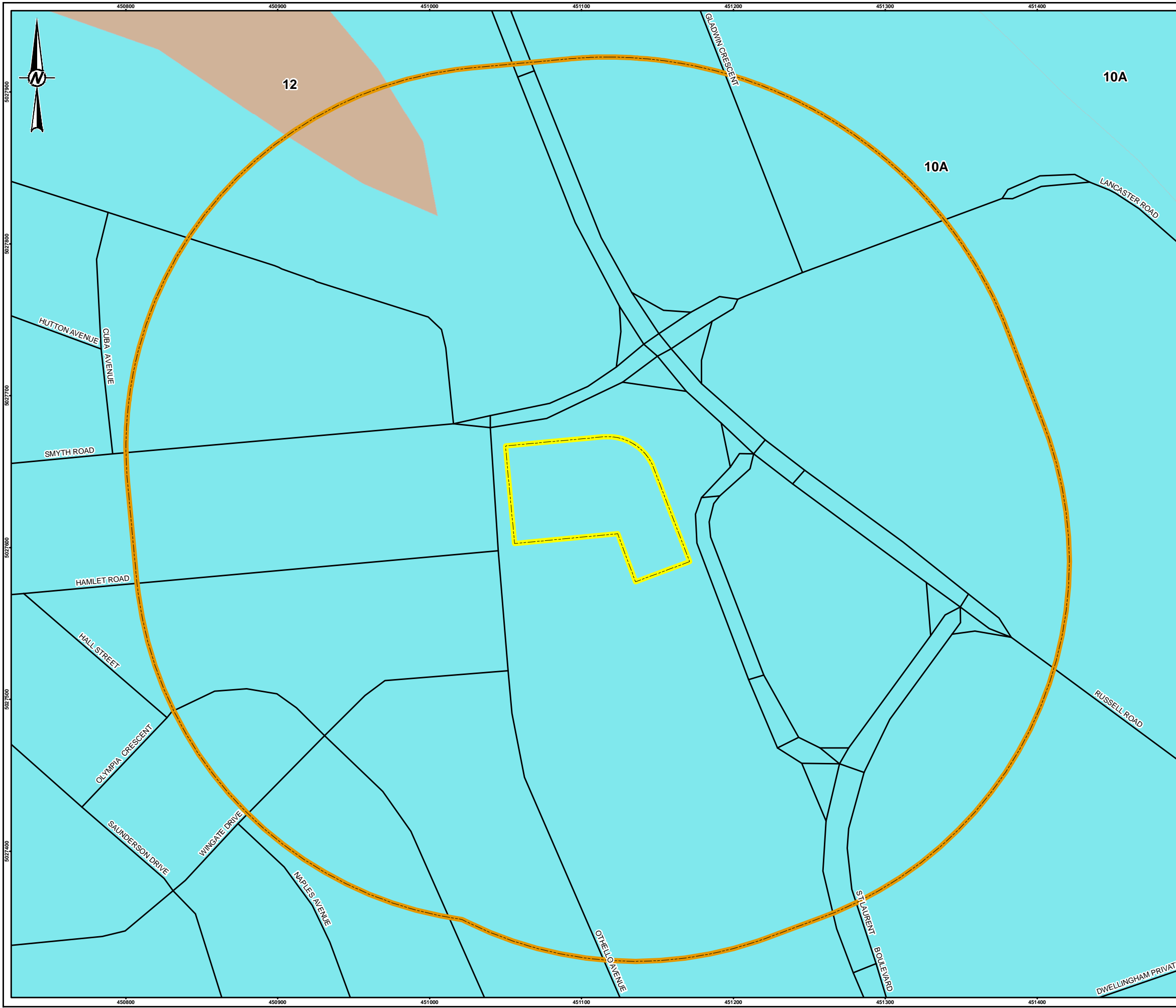
CONSULTANT	DATE	REVISION
	YYYY-MM-DD	2018-11-08
	DESIGNED	---
	PREPARED	BR
	REVIEWED	SC
	APPROVED	KPH

PROJECT NO. 1522569	CONTROL 0032	REV. 0	FIGURE <b>2</b>
------------------------	-----------------	-----------	--------------------

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 26mm

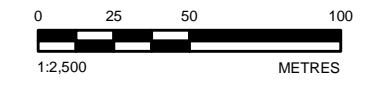




- LEGEND**
- APPROXIMATE SITE BOUNDARY
  - PHASE ONE STUDY AREA (250 metre RADIUS)
  - ROADWAY
  - 10A. FINE-TEXTURED GLACIOMARINE DEPOSITS: SILT AND CLAY, MINOR SAND AND GRAVEL; MASSIVE TO WELL LAMINATED
  - 12. OLDER ALLUVIAL DEPOSITS: CLAY, SILT, SAND, GRAVEL, MAY CONTAIN ORGANIC REMAINS

**NOTE(S)**  
 1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**  
 1. ONTARIO GEOLOGICAL SURVEY 2010. SURFICIAL GEOLOGY OF SOUTHERN ONTARIO;  
 ONTARIO GEOLOGICAL SURVEY, MISCELLANEOUS RELEASE--DATA 128-REV  
 2. LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2017  
 3. SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, DELORME, USGS, INTERMAP, INCREMENT P, NRCAN, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), ESRI KOREA, ESRI (THAILAND), MAPMYINDIA, NGCC, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY  
 4. PROJECTION: TRANSVERSE MERCATOR, DATUM: NAD 83, COORDINATE SYSTEM: UTM ZONE 18, VERTICAL DATUM: CGVD28



CLIENT  
 RIOCAN MANAGEMENT INC.

---

PROJECT  
 O.REG 153/04 PHASE I ENVIRONMENTAL SITE ASSESSMENT  
 1910 SAINT LAURENT BOULEVARD, OTTAWA, ONTARIO

---

TITLE  
**SURFICIAL GEOLOGY**

CONSULTANT	YYYY-MM-DD	2018-11-08
	DESIGNED	---
	PREPARED	BR
	REVIEWED	SC
	APPROVED	KPH

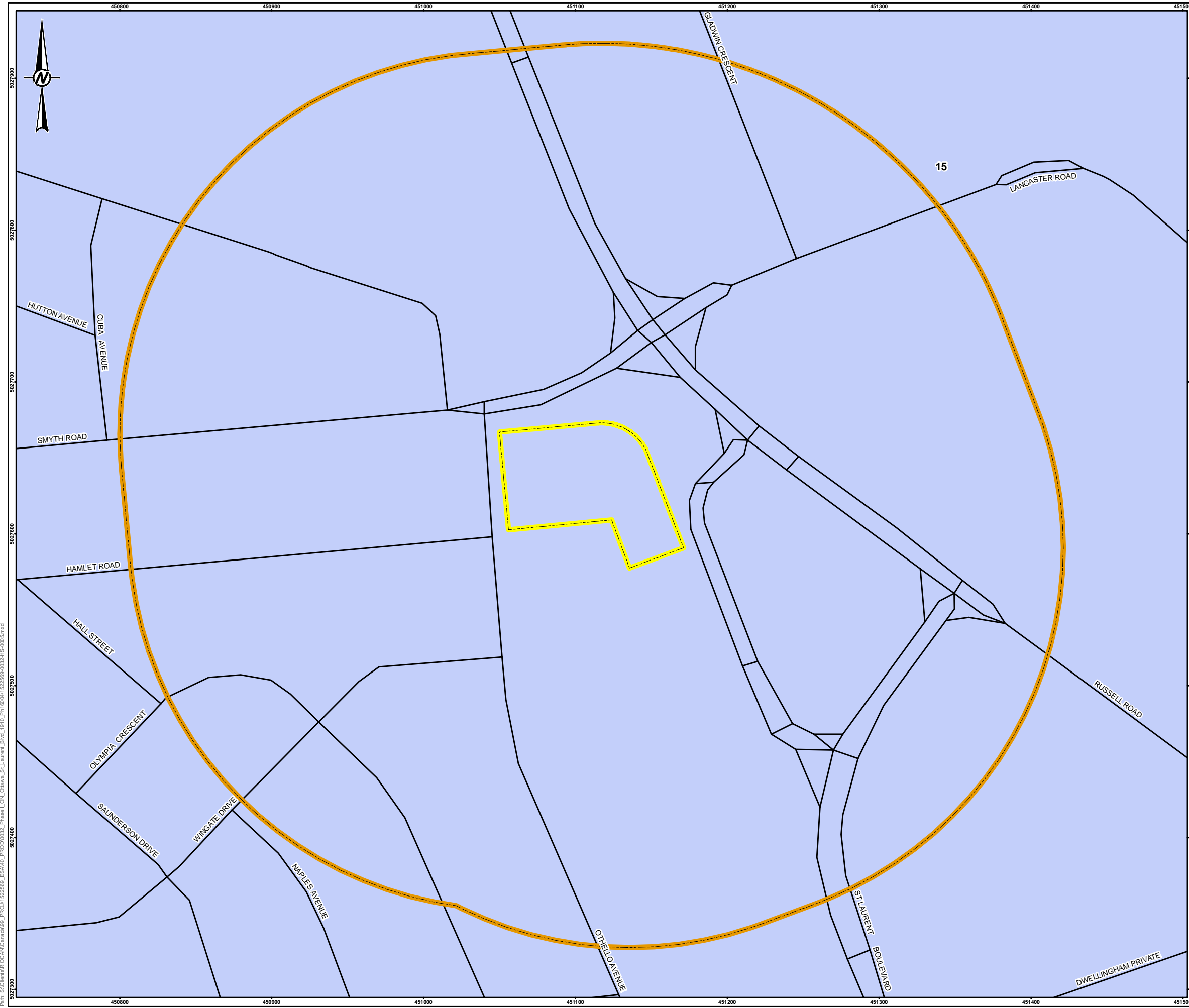
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PROJECT NO. 1522569	CONTROL 0032	REV. 0	FIGURE <b>4</b>
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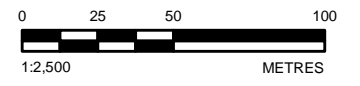
SCALE 1:100,000

- LEGEND**
- APPROXIMATE SITE BOUNDARY
  - PHASE ONE STUDY AREA (250 metre RADIUS)
  - ROADWAY
  - 15: CARLSBAD FORMATION - SHALE AND LIMESTONE

**NOTE(S)**  
 1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**

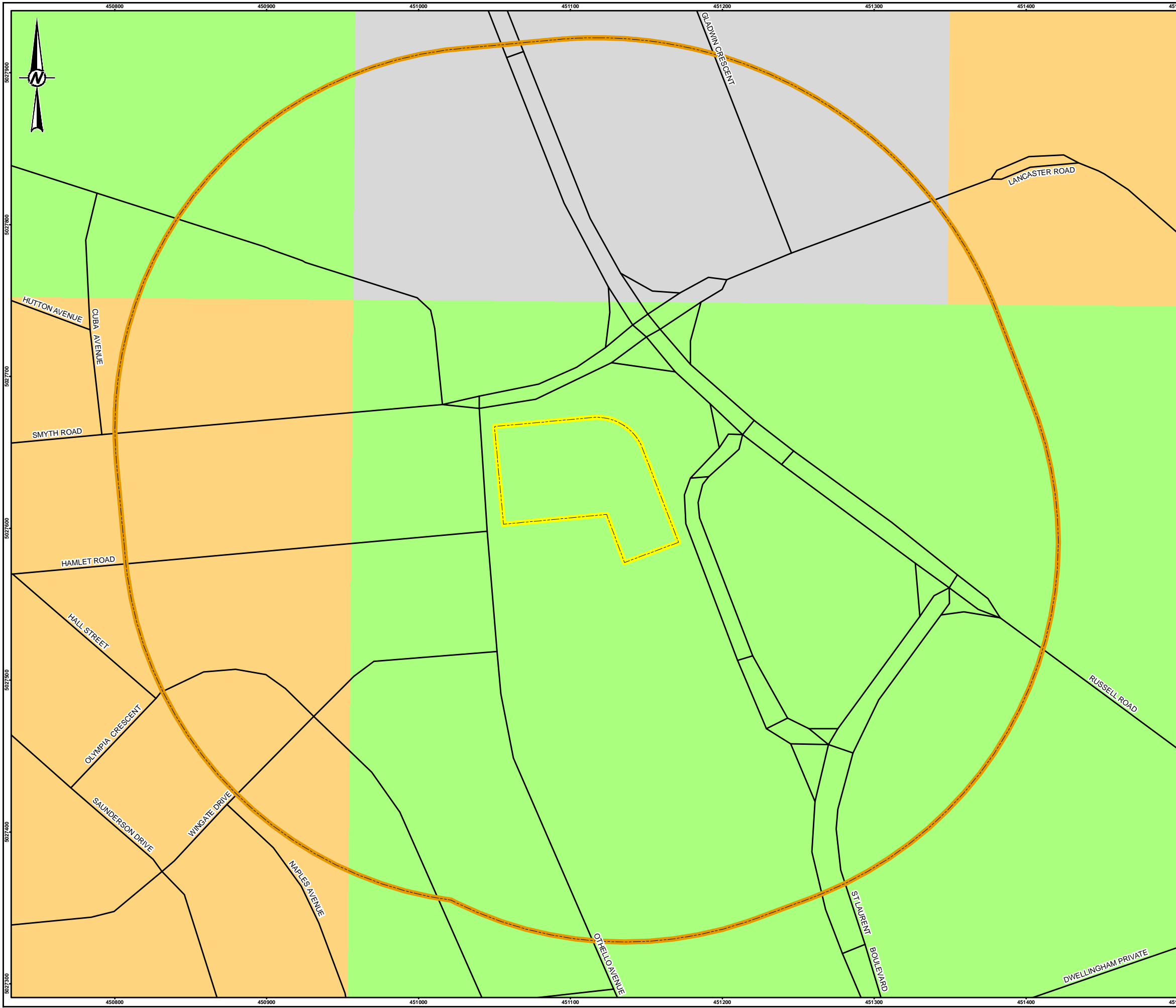
1. ARMSTRONG, D.K. AND DODGE, J.E.P. 2007. PALEOZOIC GEOLOGY OF SOUTHERN ONTARIO; ONTARIO GEOLOGICAL SURVEY, MISCELLANEOUS RELEASE--DATA 219
2. LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2017
3. SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, DELORME, USGS, INTERMAP, INCREMENT P, NRCAN, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), ESRI KOREA, ESRI (THAILAND), MAPMYINDIA, NGCC, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
4. PROJECTION: TRANSVERSE MERCATOR, DATUM: NAD 83, COORDINATE SYSTEM: UTM ZONE 18, VERTICAL DATUM: CGVD28



<b>CLIENT</b>		
RIOCAN MANAGEMENT INC.		
<b>PROJECT</b>		
O.REG 153/04 PHASE I ENVIRONMENTAL SITE ASSESSMENT 1910 SAINT LAURENT BOULEVARD, OTTAWA, ONTARIO		
<b>TITLE</b>		
BEDROCK GEOLOGY		
<b>CONSULTANT</b>	YYYY-MM-DD	2018-11-08
<b>DESIGNED</b>	----	
<b>PREPARED</b>	BR	
<b>REVIEWED</b>	SC	
<b>APPROVED</b>	KPH	
<b>PROJECT NO.</b>	<b>CONTROL</b>	<b>REV.</b>
1522569	0032	0
		<b>FIGURE</b>
		<b>5</b>

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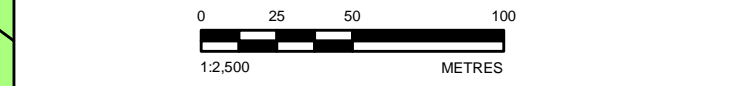


SCALE 1:100,000

- LEGEND**
- APPROXIMATE SITE BOUNDARY
  - PHASE ONE STUDY AREA (250 metre RADIUS)
  - ROADWAY
- TREND IN DEPTH TO BEDROCK (METRES)**
- >0 - 2
  - 3 - 5
  - 5 - 10

**NOTE(S)**  
1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**  
1. BEDROCK TOPOGRAPHY AND OVERBURDEN THICKNESS MAPPING, SOUTHERN ONTARIO, ONTARIO GEOLOGICAL SURVEY, MISCELLANEOUS RELEASE - DATA 207  
2. LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2017  
3. SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, DELORME, USGS, INTERMAP, INCREMENT P, NRCAN, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), ESRI KOREA, ESRI (THAILAND), MAPMYINDIA, NGCC, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY  
4. PROJECTION: TRANSVERSE MERCATOR, DATUM: NAD 83, COORDINATE SYSTEM: UTM ZONE 18, VERTICAL DATUM: CGVD28



CLIENT  
**RIOCAN MANAGEMENT INC.**

---

PROJECT  
**O.REG 153/04 PHASE I ENVIRONMENTAL SITE ASSESSMENT  
1910 SAINT LAURENT BOULEVARD, OTTAWA, ONTARIO**

---

TITLE  
**DRIFT THICKNESS**

---

CONSULTANT	YYYY-MM-DD	2018-11-08
	DESIGNED	---
	PREPARED	BR
	REVIEWED	SC
	APPROVED	KPH

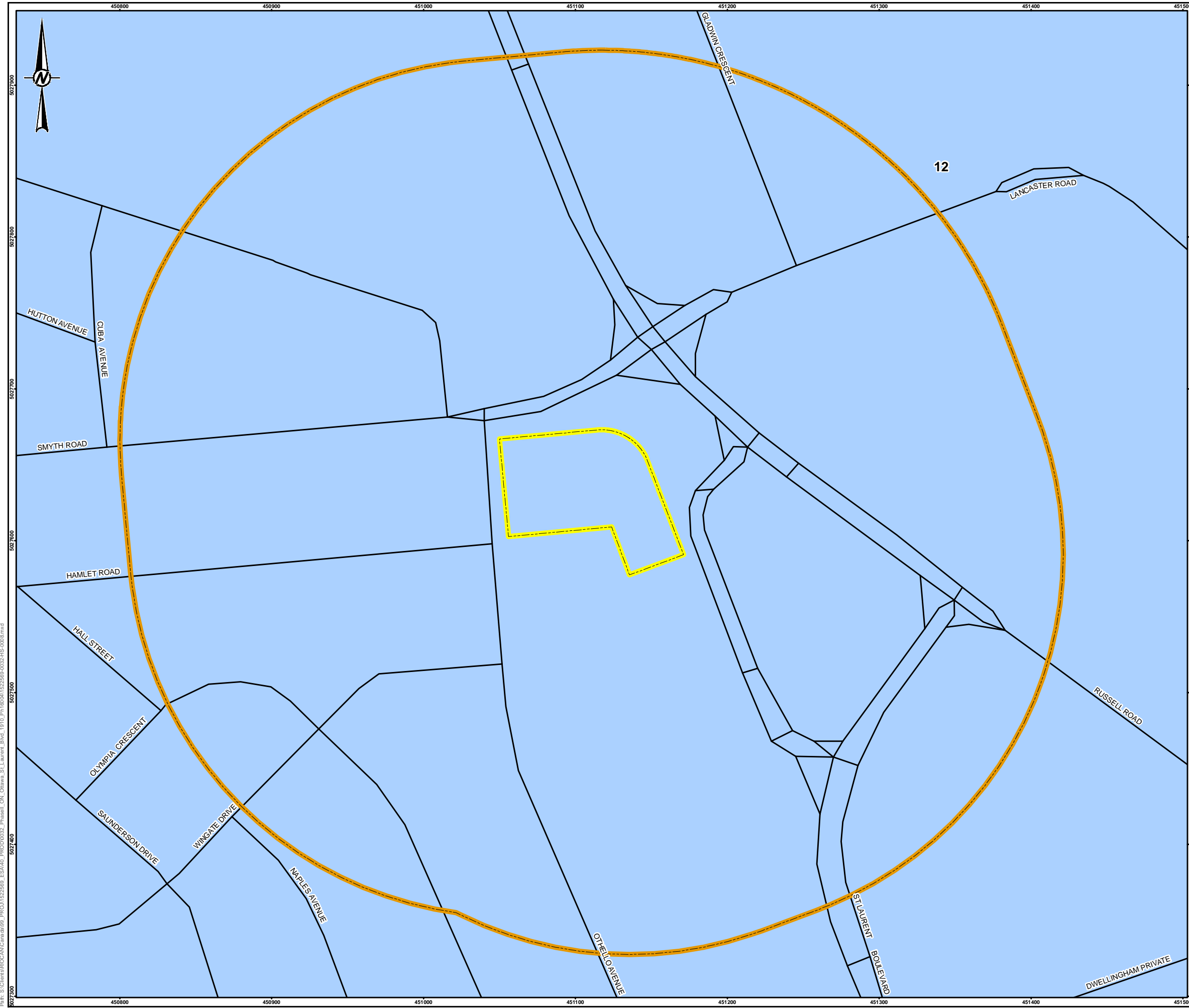
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PROJECT NO. 1522569	CONTROL 0032	REV. 0	FIGURE <b>6</b>
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P:\In-Situ\1522569\1522569\_ESA\1522569\_ESA\1522569\_PROD\0032\_Phen\1910\_SaintLaurent\_Bldg\_1910\_Phen\1522569\_0032\_HS\_0008.mxd

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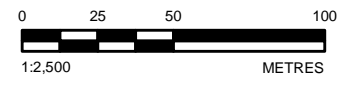


SCALE 1:100,000

- LEGEND**
- APPROXIMATE SITE BOUNDARY
  - PHASE ONE STUDY AREA (250 metre RADIUS)
  - ROADWAY
  - 12: CLAY PLAINS

**NOTE(S)**  
1. ALL LOCATIONS ARE APPROXIMATE

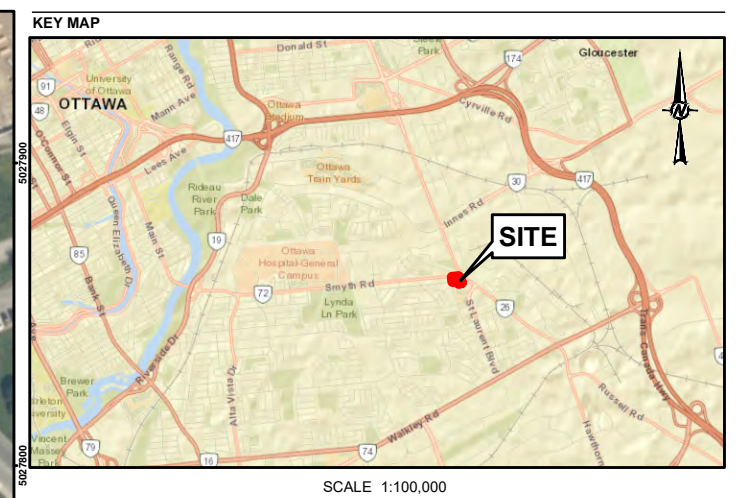
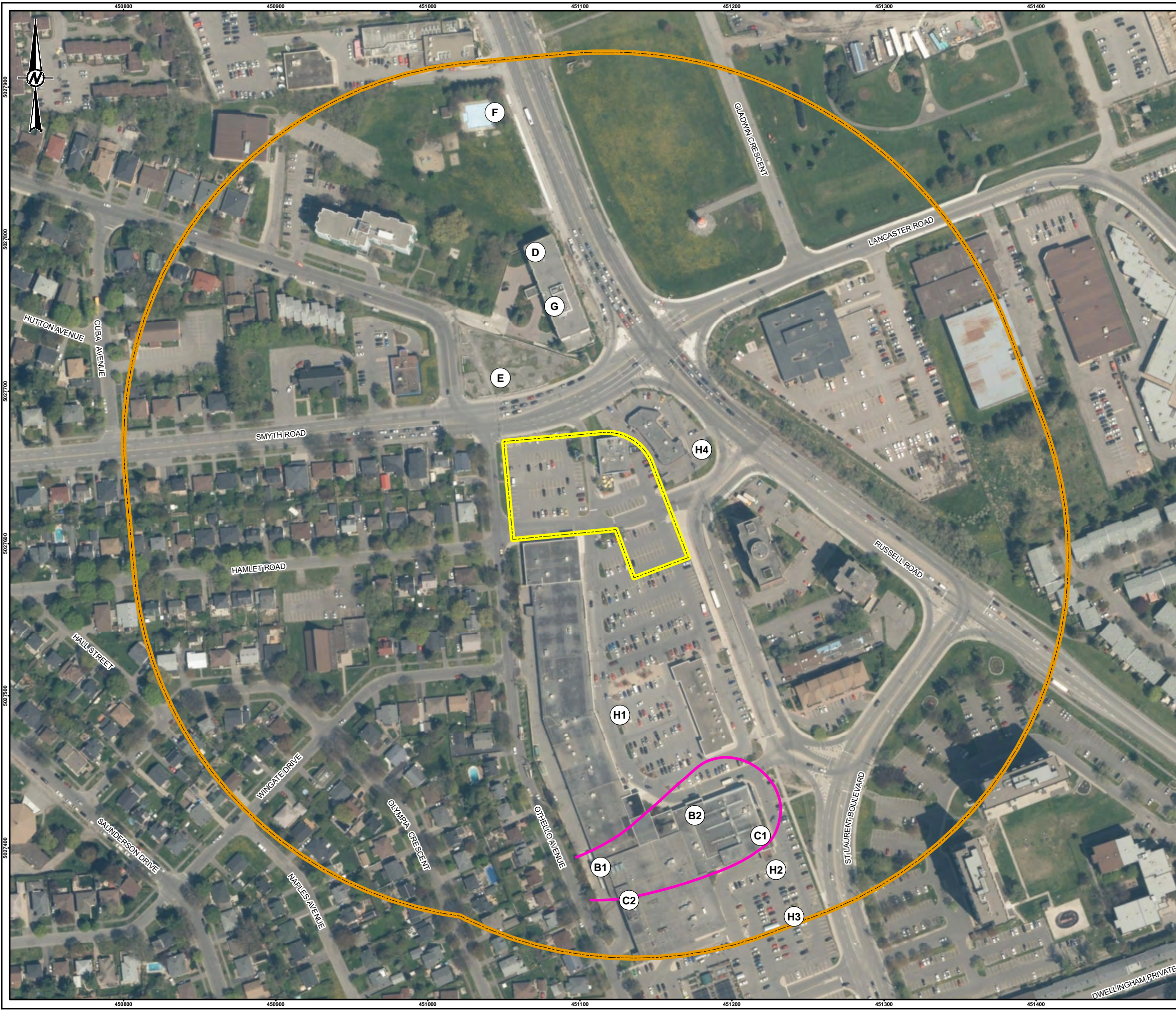
- REFERENCE(S)**
1. CHAPMAN, L.J. AND PUTNAM, D.F. 2007. PHYSIOGRAPHY OF SOUTHERN ONTARIO; ONTARIO GEOLOGICAL SURVEY, MISCELLANEOUS RELEASE-DATA 228
  2. LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2017
  3. SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, DELORME, USGS, INTERMAP, INCREMENT P, NRCAN, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), ESRI KOREA, ESRI (THAILAND), MAPMYINDIA, NGCC, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
  4. PROJECTION: TRANSVERSE MERCATOR, DATUM: NAD 83, COORDINATE SYSTEM: UTM ZONE 18, VERTICAL DATUM: CGVD28



CLIENT <b>RIOCAN MANAGEMENT INC.</b>		
PROJECT <b>O.REG 153/04 PHASE I ENVIRONMENTAL SITE ASSESSMENT 1910 SAINT LAURENT BOULEVARD, OTTAWA, ONTARIO</b>		
TITLE <b>PHYSIOGRAPHY MAP</b>		
CONSULTANT	YYYY-MM-DD	2018-11-08
	DESIGNED	---
	PREPARED	BR
	REVIEWED	SC
	APPROVED	KPH
PROJECT NO. 1522569	CONTROL 0032	REV. 0
		FIGURE <b>8</b>

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 26mm



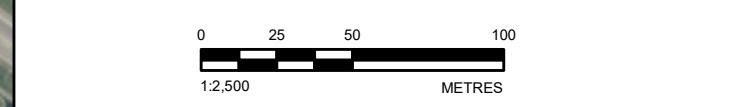
**LEGEND**

- (A) POTENTIALLY CONTAMINATING ACTIVITY (PCA)
- APPROXIMATE SITE BOUNDARY
- PHASE ONE STUDY AREA (250 metre RADIUS)
- VOC GROUNDWATER PLUME (ASSOCIATED WITH PCA B1 AND B2)

Potentially Contamination Activities ("PCAs")		
Location	Detail	PCA#
A	Importation of Fill of Unknown Quality or Origin (not shown on figure as this PCA is located Site-wide)	30
B	Operation of Dry Cleaning Equipment (where chemicals are used)- former dry cleaning facilities B1 (1961-1976) and B2 (1976-1994) and resulting groundwater plume	37
C	Gasoline and Associated Products in Fixed Tanks - Former presence of ASTs located in sub-grade vaults (identified as C1 and C2)	28
D	Gasoline and Associated Products in Fixed Tanks and Commercial Autobody Shops – Former automotive repair shop and gasoline service station at 1850 St. Laurent Boulevard	28, 10
E	Gasoline and Associated Products in Fixed Tanks – Former gasoline service station with 1 UST at 969 Smyth Road	28
F	Commercial Autobody Shops – A former automotive repair shop with 2 associated USTs at 1816 St. Laurent Boulevard	10
G	Gasoline and Associated Products in Fixed Tanks – Former Imperial Oil Products and associated gasoline and fuel storage tanks at 2005 Russell Road	28
H	Transformer Manufacturing, Processing and Use- Four concrete pad mounted transformers located off-Site (identified as H1 to H4)	55

**NOTE(S)**  
 1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**  
 1. LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD, UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2017  
 2. SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, DELORME, USGS, INTERMAP, INCREMENT P, NRCAN, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), ESRI KOREA, ESRI (THAILAND), MAPMYINDIA, NGCC, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY  
 3. PROJECTION: TRANSVERSE MERCATOR, DATUM: NAD 83, COORDINATE SYSTEM: UTM ZONE 18, VERTICAL DATUM: CGVD28



CLIENT  
 RIOCAN MANAGEMENT INC.

PROJECT  
 O.REG 153/04 PHASE I ENVIRONMENTAL SITE ASSESSMENT  
 1910 SAINT LAURENT BOULEVARD, OTTAWA, ONTARIO

TITLE  
**POTENTIALLY CONTAMINATING ACTIVITIES**

CONSULTANT		YYYY-MM-DD	2018-11-08
	DESIGNED	---	
	PREPARED	BR	
	REVIEWED	SC	
	APPROVED	KPH	

PROJECT NO. CONTROL REV. FIGURE  
 1522569 0032 0 9

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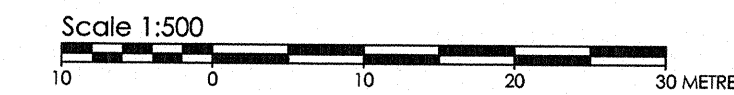
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 28mm

**APPENDIX A**

**Plan of Survey**

W:\urban\16161349\_111\_Elmoreh\_211Weagane\_3115WmCity\_dwg\14\_ElmorehReference\_Plan\Drawings\16161349-114\_d5\_c54.dwg 10/19/2018 10:02 AM

PLAN OF SURVEY of  
**PART OF BLOCK E**  
**REGISTERED PLAN 643**  
**CITY OF OTTAWA**



**METRIC CONVERSION**  
 DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES  
 AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

**BEARING NOTE**  
 BEARINGS ARE ASTRONOMIC AND ARE REFERRED TO THE NORTHERLY LIMIT OF  
 PART 1 AS SHOWN ON PLAN 4R-421, HAVING A BEARING OF N84°05'30"E.

**GRID SCALE CONVERSION**  
 DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE  
 COMBINED SCALE FACTOR OF 0.99993

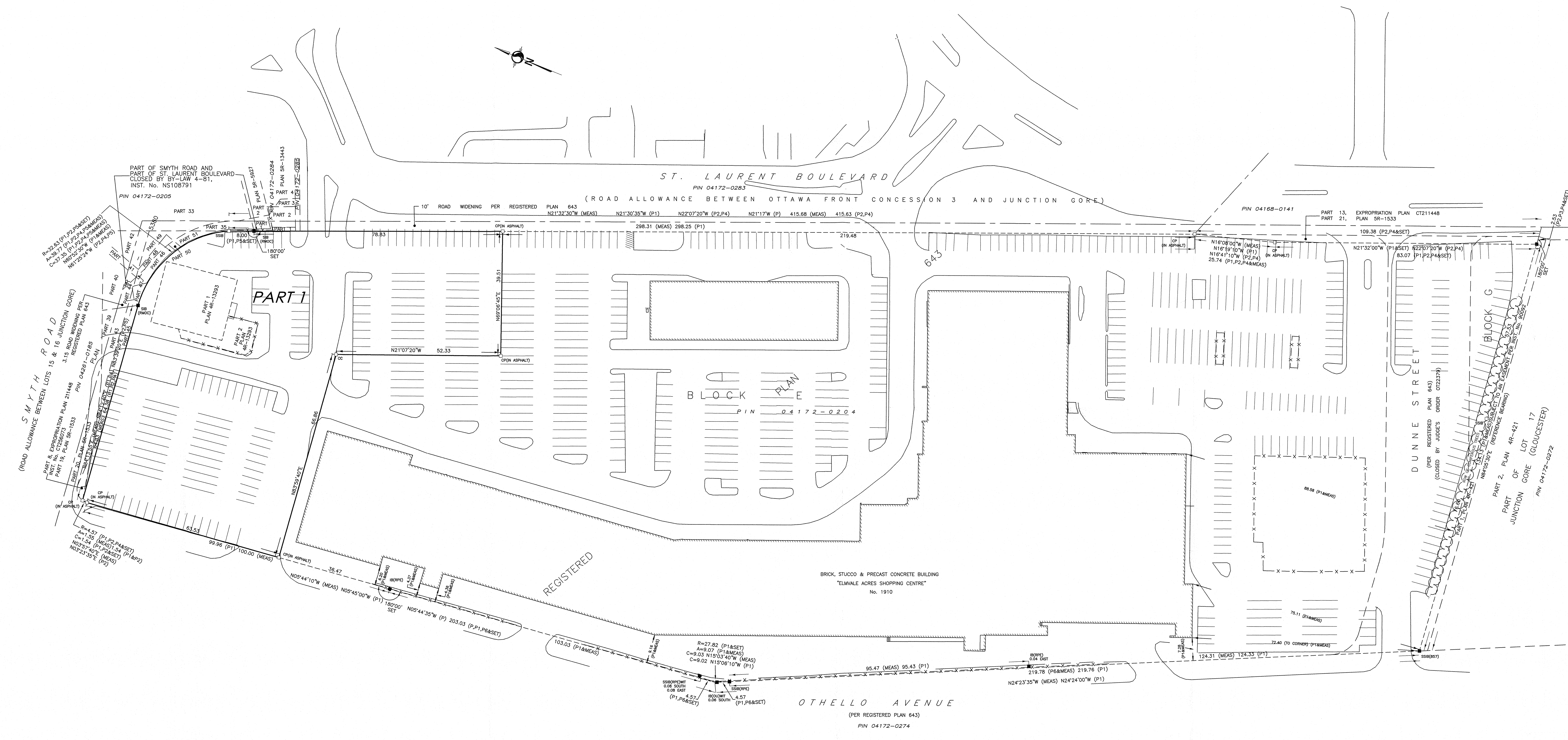
LEGEND	DENOTES	FOUND MONUMENTS
■	IRON BAR	SET MONUMENTS
□	ROUND IRON BAR	IRON BAR
○	STANDARD IRON BAR	ROUND IRON BAR
+	CUT CROSS	STANDARD IRON BAR
×	CONCRETE PIN	SHORT STANDARD IRON BAR
•	WITNESS	CUT CROSS
~	PROPERTY IDENTIFICATION NUMBER	CONCRETE PIN
MEAS	MEASURED	WITNESS
PROP	PROPOSED	PROPERTY IDENTIFICATION NUMBER
OU	ORIGIN UNKNOWN	MEASURED
SG	STANTEC GEOMATICS LTD.	PROPOSED
RFE	RADI-PENTER EDWARDS LTD.	ORIGIN UNKNOWN
RMOC	CITY OF OTTAWA	STANTEC GEOMATICS LTD.
B57	FAIRHALL, MOFFATT & WOODLAND LTD.	RADI-PENTER EDWARDS LTD.
P	REGISTERED PLAN 643	CITY OF OTTAWA
P1	PLAN BY 1538 DATED AUGUST 2/95	FAIRHALL, MOFFATT & WOODLAND LTD.
P2	PLAN SR-1533	REGISTERED PLAN 643
P3	PLAN SR-13443	PLAN BY 1538 DATED AUGUST 2/95
P4	EXP. PLAN CT211448	PLAN SR-1533
P5	PLAN SR-5380	PLAN SR-13443
P6	PLAN BY 1479 DATED OCTOBER 16/89	EXP. PLAN CT211448

**SURVEYOR'S CERTIFICATE**  
 I CERTIFY THAT:  
 1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS  
 ACT, THE SURVEYORS ACT AND THE LAND TITLES ACT AND THE REGULATIONS  
 MADE UNDER THEM.  
 2. THE SURVEY WAS COMPLETED ON THE 16th DAY OF OCTOBER, 2018.

DATE: Oct 19/18  
 SIGNATURE: [Signature]  
 BRIAN J. WEBSTER  
 ONTARIO LAND SURVEYOR

**Stantec**  
 Ontario Land Surveyors  
 Canada Lands Surveyors  
 1331 CLYDE AVENUE, SUITE 400, OTTAWA, ON K2C 3G4  
 PHONE: (613) 722-4400 FAX: (613) 722-7799  
 stantec.com

DRAWN BY: NJ CHECKED BY: BW PM: BW FIELD: ES/SJ PROJECT No.: 16161349-114



**APPENDIX B**

**Regulatory Responses**





## Natural Areas and Features Information Request Form

### Contact Information

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Owner \_\_\_\_\_ Consultant \_\_\_\_\_

E-mail Address: \_\_\_\_\_

**\*All red fields are mandatory**

*This includes X & Y Coordinates.*

*Please see \_\_\_\_\_ for assistance.*

### Site Information

Project Name: \_\_\_\_\_

Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_

X: \_\_\_\_\_ Y: \_\_\_\_\_ Address: \_\_\_\_\_

*\*\*If more than 1 site, please provide all individual coordinates in an attached spreadsheet*

### Type of Proposal

- Severance / Zoning       Drains / Roads / Culverts  
 Hydroline clearing       Small Scale Projects (less than 5 hectares)  
 RE Projects       Large Scale Projects (5 hectares or greater)  
 Aggregate Project      Other: \_\_\_\_\_

### Attachments

**\*\*\*Please attach a Site Map showing the area of interest**

- Picture       Map(s)       Engineered Drawings      Other: \_\_\_\_\_

### Request

I would like to request the following information for the property identified above:

To better respond to your request please briefly outline the purpose for which this information is required (e.g. proposed development, lot severance, etc. or attach details):

**Date of works proposed:** \_\_\_\_ / \_\_\_\_ / \_\_\_\_

*Personal information contained in this form is collected in order to fulfill your request, respond to your inquiries and for other administration purposes. With regard to the personal information it collects, the ministry is bound by privacy protection rules under the Freedom of Information and Protection of Privacy Act and takes all necessary steps to safeguard personal information collected.*

**Please Note:** *This request MUST be made by the property owner or by someone acting on their behalf. Depending on the nature of the request, it may take 6-8 weeks to respond to your inquiry. If the request does not include the mandatory information, it may delay response time.*

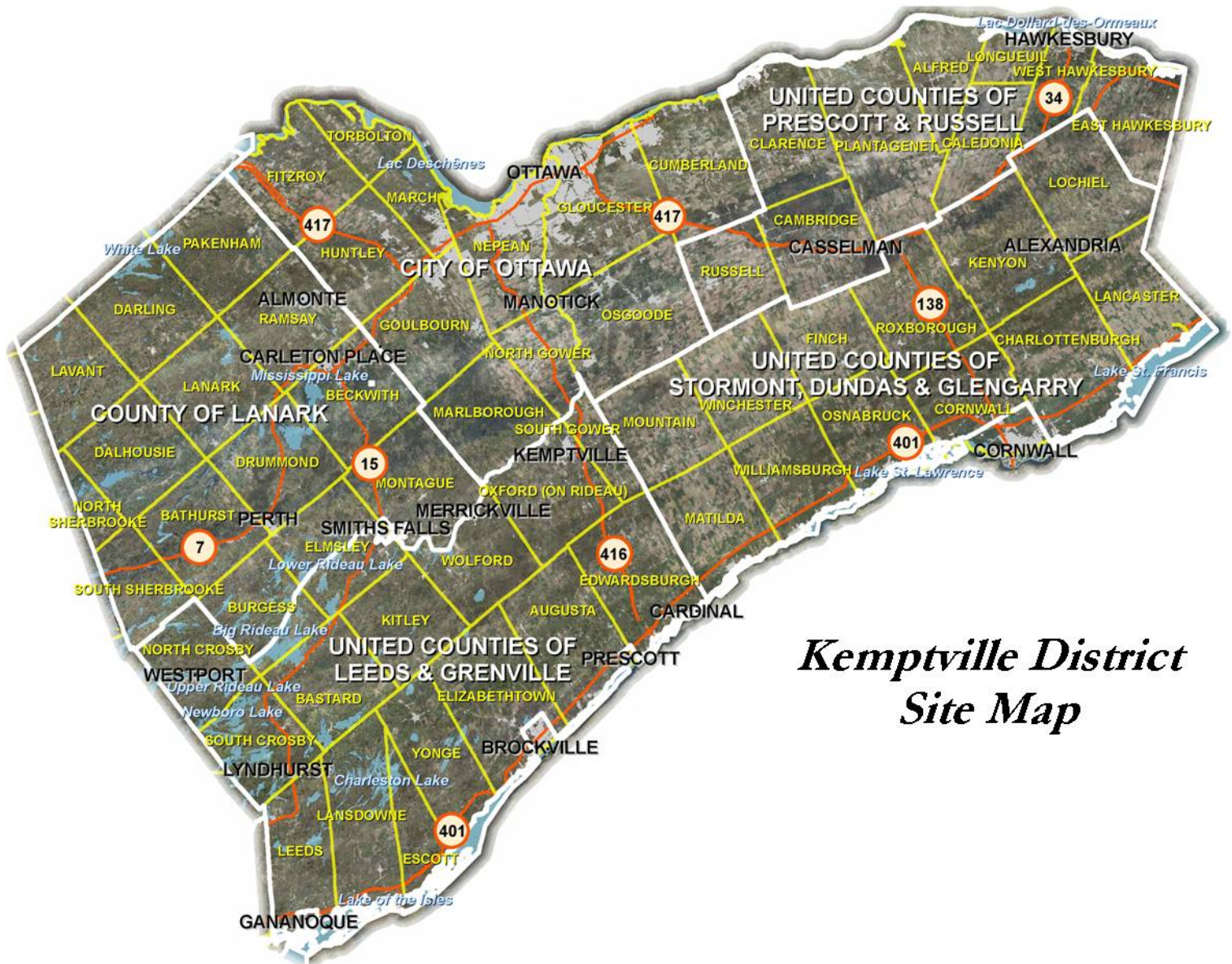
**I have read the above and agree to all Terms and Conditions**

Please forward the completed form to:

OR Fax: 613-258-3920

Attention: Information Requests  
 10 Campus Drive, Postal Bag 2002  
 Kempenville, ON K0G 1J0

MNR File Number: \_\_\_\_\_



## *Kemptville District Site Map*

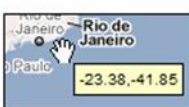
### How to get X, Y coordinates from Google Maps (2 options):

- 1.) Right-click on the map, at the point of interest, and select 'What's here?'.  
-The Latitude & Longitude of the mouse click, in decimal degrees, will automatically appear in the Search box.

**OR**

- 2.) Click on 'Maps Labs' in Google Maps.  
-The following window will appear:

[Maps Labs](#) - [Help](#)  
 Google Maps - ©2012 Google - [Terms of Use](#)

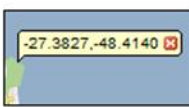


**LatLng Tooltip**  
Marcelo C

Displays a tooltip next to the mouse cursor showing the latlng directly underneath it. Press SHIFT to activate tooltip.

Enable  
 Disable

---



**LatLng Marker**  
Marcelo C

Adds an option to the context menu that lets you drop a mini marker showing the latlng of the position that the cursor was pointing at when the context menu was evoked

Enable  
 Disable

**Important:** To save your enabled Labs for next time, you must [sign in](#) to your Google account.

- Enable the LatLng Tooltip and then Save Changes.
- Now every time the **SHIFT** button is pressed in Google Maps, a Tool tip will appear with the Latitude and Longitude of the mouse location in decimal degrees.

Ministry of the Environment,  
Conservation and Parks

Freedom of Information and  
Protection of Privacy Office

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

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

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

12<sup>e</sup> étage  
40, avenue St. Clair ouest  
Toronto ON M4V 1M2  
Tél. : (416) 314-4075  
Télééc.: (416) 314-4285



August 17, 2018

Shihan Chowdhury  
Golder Associates  
1931 Robertson Rd  
Ottawa, ON K2H 5B7

Dear Shihan Chowdhury:

RE: ***Freedom of Information and Protection of Privacy Act Request***  
**Our File # A-2018-05628, Your Reference 1522569**

The Ministry is in receipt of your request made pursuant to the *Freedom of Information and Protection of Privacy Act* and has received your payment in the amount of \$5.00 (non-refundable application fee), along with your \$30.00 deposit.

**The search is being conducted on the following: 1910 St. Laurent Boulevard, Ottawa. If there is any discrepancy please contact us immediately.**

You may expect a reply or additional communication as your request is processed. For your information, the Ministry charges for search, copying and preparation time.

If you have any questions regarding this matter, please contact Sharon Menzies at [Sharon.Menzies@ontario.ca](mailto:Sharon.Menzies@ontario.ca).

Yours truly,



Janet Dadufalza  
FOI Manager

---

**From:** Public Information Services <publicinformationsservices@tssa.org>  
**Sent:** August-14-18 1:48 PM  
**To:** Chowdhury, Shihan  
**Subject:** RE: Request for TSSA Database Search for 1910 St. Laurent Boulevard, Ottawa

**Records Found**

Hello,

Thank you for your request for confirmation of public information.

- We confirm that there are **no ACTIVE fuel storage tanks records** in our database at the subject address(es).

Inst Number	Context	Address	City	Province	Postal Code	Status
9459971	FS GASOLINE STATION - FULL SERVE	969 SMYTH RD	OTTAWA	ON	K1G 3H4	EXPIRED
10906975	FS LIQUID FUEL TANK	969 SMYTH RD	OTTAWA	ON	K1G 3H4	EXPIRED
10906920	FS LIQUID FUEL TANK	969 SMYTH RD	OTTAWA	ON	K1G 3H4	EXPIRED
10906938	FS LIQUID FUEL TANK	969 SMYTH RD	OTTAWA	ON	K1G 3H4	EXPIRED
10906960	FS LIQUID FUEL TANK	969 SMYTH RD	OTTAWA	ON	K1G 3H4	EXPIRED

For copies of documents, please complete the Release of Public Information form, found at <https://www.tssa.org/en/about-tssa/resources/Release-of-Records-form--Jan-2018Final.pdf> and email the completed form to [publicinformationsservices@tssa.org](mailto:publicinformationsservices@tssa.org) or through mail along with the appropriate fee. TSSA's fee schedule can be found at: [https://www.tssa.org/en/about-tssa/resources/Documents/Public-Information-Fee-Schedule\\_Jan\\_2018.pdf](https://www.tssa.org/en/about-tssa/resources/Documents/Public-Information-Fee-Schedule_Jan_2018.pdf). Fees are payable with a credit card (Visa or MasterCard) or by a cheque made payable to TSSA.

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

Kind regards,

Connie

---

**From:** Chowdhury, Shihan <Shihan\_Chowdhury@golder.com>  
**Sent:** August 14, 2018 11:32 AM  
**To:** Public Information Services <publicinformationsservices@tssa.org>  
**Subject:** Request for TSSA Database Search for 1910 St. Laurent Boulevard, Ottawa

Good morning,

Please perform a TSSA database search for any underground storage tanks, registered fuel tanks, outstanding instructions, incident reports, fuel oil spills or contaminations records for the properties located at:

- 1910 St. Laurent Boulevard, Ottawa
- 1917 St. Laurent Boulevard, Ottawa
- 1921 St. Laurent Boulevard, Ottawa

- 1970 St. Laurent Boulevard, Ottawa
- 2370 Lancaster Road, Ottawa
- 1990 Russell Road, Ottawa
- 1929 Russell Road, Ottawa
- 1909 Smyth Road, Ottawa
- 969 Smyth Road, Ottawa
- 945 Smyth Road, Ottawa

Please let me know if you have any queries.

Thanks and regards,

**Shihan A. Chowdhury, EIT** | Junior Environmental Consultant | **Golder Associates Ltd.**

1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7

**T:** +1 (613) 592 9600 | **F:** +1 (613) 592 9601 | **C:** +1 (613) 406-6892 | **E:** [Shihan\\_Chowdhury@golder.com](mailto:Shihan_Chowdhury@golder.com)

[www.golder.com](http://www.golder.com)

***Work Safe, Home Safe***

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**APPENDIX C**

**ERIS Report, City Directories**

**ERIS**  
ENVIRONMENTAL RISK INFORMATION SERVICE



# DATABASE REPORT



**Project Property:** 1522569 1600  
1910 St Laurent  
Ottawa ON

**P.O. Number**

**Report Type:** *Quote - Custom-Build Your Own Report*

**Order #:** 20150611004

**Requested by:** *Golder Associates Ltd.*

**Date:** *June 16, 2015*

**Ecolog ERIS Ltd.**  
Environmental Risk Information  
Service Ltd. (ERIS)  
A division of Glacier Media Inc.  
P: 1.866.517.5204  
E: info@erisinfo.com  
**www.erisinfo.com**

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# Executive Summary

## Property Information:

**Project Property:** 1522569 1600  
1910 St Laurent Ottawa ON

**P.O. Number:**

## Order Information:

**Order No.:** 20150611004  
**Date Requested:** 17/06/2015  
**Requested by:** Golder Associates Ltd.  
**Report Type:** Quote - Custom-Build Your Own Report

## Additional Products:

**Topographic Map** ANSI Map & Ontario Base Map (OBM)

# Executive Summary: Report Summary

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Boundary to 0.25km</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	7	7
CA	<i>Certificates of Approval</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</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	1	1
DRL	<i>Drill Hole Database</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	0	0
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
EXP	<i>List of TSSA Expired Facilities</i>	Y	0	9	9
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	4	4
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	2	2
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	31	31
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
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 Defence &amp; Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defence &amp; Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>	Y	0	0	0

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Boundary to 0.25km</b>	<b>Total</b>
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	13	13
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	2	2
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	4	4
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	5	5
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	1	17	18
<b>Total:</b>			1	103	104

# 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>	WWIS		lot 16 OTTAWA ON	-/0.0	78.00	<a href="#">21</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>	WWIS		lot 27 con 3 ON	ENE/10.4	79.00	<a href="#">21</a>
<a href="#">3</a>	WWIS		lot 16 ON	NNW/63.0	78.00	<a href="#">22</a>
<a href="#">4</a>	BORE		ON	SW/39.6	77.00	<a href="#">22</a>
<a href="#">5</a>	WWIS		OTTAWA ON	WNW/50.5	77.00	<a href="#">23</a>
<a href="#">5</a>	WWIS		OTTAWA ON	WNW/50.5	77.00	<a href="#">23</a>
<a href="#">6</a>	GEN	2058280 Ontario Limited	1910 St. Laurent Boulevard Ottawa ON	NNW/83.4	78.00	<a href="#">24</a>
<a href="#">6</a>	GEN	CAREMEDICS ELMVALE INC.	1910 St. Laurent Blvd OTTAWA ON	NNW/83.4	78.00	<a href="#">24</a>
<a href="#">7</a>	BORE		ON	E/64.3	80.00	<a href="#">24</a>
<a href="#">7</a>	WWIS		ON	E/64.3	80.00	<a href="#">25</a>
<a href="#">7</a>	WWIS		ON	E/64.3	80.00	<a href="#">25</a>
<a href="#">8</a>	WWIS		lot 16 OTTAWA ON	N/85.4	78.13	<a href="#">26</a>
<a href="#">9</a>	EHS		2025 and 2035 Othello Avenue Ottawa ON	S/105.7	77.00	<a href="#">26</a>
<a href="#">10</a>	EHS		1971&1975 St Laurent Ottawa ON K1G 3P8	NNE/79.3	79.86	<a href="#">26</a>
<a href="#">11</a>	WWIS		ON	NNE/93.6	78.86	<a href="#">26</a>
<a href="#">12</a>	SPL	PRIVATE RESIDENCE	956 CHAPMAN CR. FURNACE OIL TANK OTTAWA CITY ON K1G 1V6	WSW/104.5	76.00	<a href="#">27</a>
<a href="#">13</a>	BORE		ON	WSW/121.5	75.22	<a href="#">27</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="#">14</a>	EXP	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	SE/115.5	78.20	<a href="#">28</a>
<a href="#">14</a>	EXP	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	SE/115.5	78.20	<a href="#">28</a>
<a href="#">14</a>	EXP	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	SE/115.5	78.20	<a href="#">28</a>
<a href="#">14</a>	EXP	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON	SE/115.5	78.20	<a href="#">28</a>
<a href="#">14</a>	EXP	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	SE/115.5	78.20	<a href="#">29</a>
<a href="#">14</a>	EXP	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	SE/115.5	78.20	<a href="#">29</a>
<a href="#">14</a>	EXP	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	SE/115.5	78.20	<a href="#">29</a>
<a href="#">14</a>	EXP	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	SE/115.5	78.20	<a href="#">29</a>
<a href="#">14</a>	EXP	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON	SE/115.5	78.20	<a href="#">30</a>
<a href="#">14</a>	GEN	CANGO INC.	2013 ST LAURENT BLVD., OTTAWA ON K1G 1A3	SE/115.5	78.22	<a href="#">30</a>
<a href="#">14</a>	PRT	SUNYS PETROLEUM INC	2013 ST LAURENT BLVD OTTAWA ON K1G1A3	SE/115.5	78.22	<a href="#">30</a>
<a href="#">14</a>	RST	ALLRIGHT AUTOMOTIVE REPAIR INC	2013 ST LAURENT BLVD OTTAWA ON K1G1A3	SE/115.5	78.20	<a href="#">30</a>
<a href="#">14</a>	RST	ALLRIGHT AUTOMOTIVE REPAIR INC	2013 ST. LAURENT BLVD OTTAWA ON K1G1A3	SE/115.5	78.20	<a href="#">30</a>
<a href="#">14</a>	RST	ALLRIGHT AUTOMOTIVE REPAIR INC	2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	SE/115.5	78.22	<a href="#">30</a>
<a href="#">14</a>	RST	SUNYS GAS BAR	2013 ST LAURENT BLVD OTTAWA ON K1G1A3	SE/115.5	78.22	<a href="#">31</a>
<a href="#">15</a>	SPL		1991 St. Laurent Boulevard Ottawa ON	E/135.0	80.00	<a href="#">31</a>
<a href="#">16</a>	WWIS		ON	ESE/135.3	79.00	<a href="#">31</a>
<a href="#">17</a>	WWIS		ON	N/155.0	77.64	<a href="#">32</a>
<a href="#">18</a>	WWIS		ON	N/158.6	77.38	<a href="#">32</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="#">19</a>	WWIS		ON	NNE/158.3	78.00	<a href="#">33</a>
<a href="#">20</a>	WWIS		ON	N/174.1	77.00	<a href="#">33</a>
<a href="#">21</a>	BORE		ON	ESE/163.2	80.00	<a href="#">34</a>
<a href="#">21</a>	WWIS		ON	ESE/163.2	80.00	<a href="#">34</a>
<a href="#">22</a>	SPL	BFI Canada Inc<UNOFFICIAL>	1919 St Laurent Blvd Ottawa ON K1G 3R9	N/178.6	77.00	<a href="#">35</a>
<a href="#">23</a>	BORE		ON	WSW/178.8	75.00	<a href="#">35</a>
<a href="#">24</a>	GEN	SPIC & SPAN (SEE & USE ON1237702) 35-136	ELMVALE ACRES MALL, ST. LAURENT BLVD. C/O 1764 WOODWARD DRIVE OTTAWA ON K2C 0P8	N/203.3	76.79	<a href="#">35</a>
<a href="#">24</a>	GEN	SPIC & SPAN (SEE & USE ON 1237702)	ELMVALE ACRES MALL, ST. LAURENT BLVD. C/O 1764 WOODWARD DRIVE OTTAWA ON K2C 0P8	N/203.3	76.79	<a href="#">36</a>
<a href="#">24</a>	GEN	SPIC & SPAN-VALETOR- CASH CLEANERS	ELMVALE ACRES MALL, ST. LAURENT BLVD. C/O 1764 WOODWARD DRIVE OTTAWA ON K2C 0P8	N/203.3	76.79	<a href="#">36</a>
<a href="#">24</a>	PES	LOBLAWS SUPERMARKETS LIMITED	1910 ST. LAURENT BLVD. ELMVALE ON K6H 3K9	N/203.3	76.79	<a href="#">36</a>
<a href="#">24</a>	PES	LOBLAWS COMPANIES EAST	1910 ST. LAURENT BLVD. OTTAWA ON K6H 3K9	N/203.3	76.79	<a href="#">36</a>
<a href="#">25</a>	WWIS		ON	E/177.4	80.00	<a href="#">36</a>
<a href="#">25</a>	WWIS		ON	E/177.4	80.00	<a href="#">37</a>
<a href="#">26</a>	WWIS		ON	SE/175.0	78.59	<a href="#">37</a>
<a href="#">27</a>	GEN	ROMANO SPORT SHOP LTD. 33-813	1020 PLEASANT PARK ROAD OTTAWA ON K1G 2P1	SSE/207.4	76.00	<a href="#">38</a>
<a href="#">27</a>	GEN	ROMANO SPORT SHOP LTD.	1020 PLEASANT PARK ROAD OTTAWA ON K1G 2P1	SSE/207.4	76.00	<a href="#">38</a>
<a href="#">28</a>	EHS		1917 & 1919 St.Laurent Boulevard Ottawa ON	N/206.9	76.00	<a href="#">38</a>
<a href="#">29</a>	CPU	2058280 Ontario Limited	1910 St. Laurent Boulevard OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">39</a>
<a href="#">29</a>	EHS		1910 St. Laurent Blvd Ottawa ON K1G 1A4	NNW/228.3	77.00	<a href="#">39</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="#">29</a>	EHS		1910 St. Laurent Boulevard Ottawa ON K1G 1A4	NNW/228.3	77.00	<a href="#">39</a>
<a href="#">29</a>	EHS		1910 St. Laurent Blvd. Ottawa ON K1G 1A4	NNW/228.3	77.00	<a href="#">39</a>
<a href="#">29</a>	GEN	Hydro Ottawa Ltd.	1910 St. Laurent Ottawa ON K1G 1A4	NNW/228.3	77.00	<a href="#">39</a>
<a href="#">29</a>	GEN	CAREMEDICS ELMVALE INC.	1910 St. Laurent Blvd OTTAWA ON	NNW/228.3	77.00	<a href="#">39</a>
<a href="#">29</a>	GEN	CAREMEDICS ELMVALE INC.	1910 St. Laurent Blvd OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">40</a>
<a href="#">29</a>	GEN	PHARMA PLUS DRUGS LTD. 31-672	1910 ST. LAURENT BLVD., OTTAWA C/O 5935 AIRPORT ROAD STE. 500 MISSISSAUGA ON K1G 1A4	NNW/228.3	77.00	<a href="#">40</a>
<a href="#">29</a>	GEN	2058280 Ontario Limited	1910 St. Laurent Boulevard Ottawa ON K1G 1A4	NNW/228.3	77.00	<a href="#">40</a>
<a href="#">29</a>	GEN	CANDACE DRY CLEANERS, 888265 ONTARIO LTD	1910 ST. LAURENT BLVD. OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">40</a>
<a href="#">29</a>	GEN	FUJI IMAGE PLAZA W.P.I. SUPPLY LIMITED	1910 ST. LAURENT BOULEVARD ELMVALE PLAZA OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">41</a>
<a href="#">29</a>	GEN	CANDACE DRY CLEANERS, 888265 40-263	ONTARIO INC. ELMVALE ACRES SHOPPING CENTRE, 1910 ST. LAURENT BLVD. OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">41</a>
<a href="#">29</a>	GEN	2058280 Ontario Limited	1910 St. Laurent Boulevard Ottawa ON K1G 1A4	NNW/228.3	77.00	<a href="#">41</a>
<a href="#">29</a>	GEN	FUJI IMAGE PLAZA W.P.I. SUPPLY LTD15-343	1910 ST. LAURENT BLVD. ELMVALE PLAZA OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">41</a>
<a href="#">29</a>	GEN	2058280 Ontario Ltd.	1910 St. Laurent Blvd. Ottawa ON K1G 1A4	NNW/228.3	77.00	<a href="#">42</a>
<a href="#">29</a>	GEN	FUJI IMAGE PLAZA W.P.I. SUPPLY LTD	1910 ST. LAURENT BLVD. ELMVALE PLAZA OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">42</a>
<a href="#">29</a>	GEN	205 8280 Ontario Limited	1910 St. Laurent Boulevard Ottawa ON K1G 1A4	NNW/228.3	77.00	<a href="#">42</a>
<a href="#">29</a>	GEN	V.I.P. DRYCLE(SEE & USE ON1454601)46-263	1910 ST. LAURENT BLVD. OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">42</a>
<a href="#">29</a>	GEN	2058280 Ontario Limited	1910 St. Laurent Boulevard Ottawa ON K1G 1A4	NNW/228.3	77.00	<a href="#">43</a>
<a href="#">29</a>	GEN	CAREMEDICS ELMVALE INC.	1910 St. Laurent Blvd OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">43</a>
<a href="#">29</a>	GEN	CANDACE DRY CLEANERS	1910 ST. LAURENT BOULEVARD OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">43</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="#">29</a>	GEN	CAREMEDICS ELMVALE INC.	1910 St. Laurent Blvd OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">43</a>
<a href="#">29</a>	GEN	205 8280 Ontario Limited	1910 St. Laurent Boulevard Ottawa ON K1G 1A4	NNW/228.3	77.00	<a href="#">44</a>
<a href="#">29</a>	GEN	2058280 Ontario Limited	1910 St. Laurent Boulevard Ottawa ON K1G 1A4	NNW/228.3	77.00	<a href="#">44</a>
<a href="#">29</a>	GEN	PHARMA PLUS DRUGS LTD.	1910 ST. LAURENT BOULEVARD OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">44</a>
<a href="#">29</a>	GEN	PHARMA PLUS DRUGS LTD	1910 ST. LAURENT BOULEVARD OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">44</a>
<a href="#">29</a>	GEN	W.P.I. SUPPLY LIMITED	1910 St. Laurent Blvd. #40 Ottawa ON K1G 1A4	NNW/228.3	77.00	<a href="#">45</a>
<a href="#">29</a>	PES	ELMVALE ACRES HOME HARDWARE 769564 ONTARIO INC	1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">45</a>
<a href="#">29</a>	PES	ELMVALE ACRES HOME HARDWARE / DUBIEN HARDWARE CORP.	24 - 1910 ST. LAURENT BLVD OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">45</a>
<a href="#">29</a>	PES	ELMVALE ACRES HOME HARDWARE / DUBIEN HARDWARE CORP.	24 - 1910 ST. LAURENT BLVD OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">45</a>
<a href="#">29</a>	PES	ELMVALE ACRES HOME HARDWARE 769564 ONTARIO INC.	1910 ST. LAURENT BLVD. OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">45</a>
<a href="#">29</a>	PES	LOBLAWS COMPANIES EAST #1200	1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">45</a>
<a href="#">29</a>	PES	LOBLAWS SUPERMARKTS LTD #1200	1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">46</a>
<a href="#">29</a>	PES	ELMVALE ACRES HOME HARDWARE 769564 ONTARIO INC	1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">46</a>
<a href="#">29</a>	PES	LOBLAWS COMPANIES EAST #1200	1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">46</a>
<a href="#">29</a>	PES	LOBLAW SUPERMARKET #1200	1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">46</a>
<a href="#">29</a>	PES	LOBLAW SUPERMARKETS LTD. STORE NO. 200-2	1910 ST. LAURENT BLVD. OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">46</a>
<a href="#">29</a>	PES	LOBLAWS SUPERMARKTS LTD #1200	1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	NNW/228.3	77.00	<a href="#">46</a>
<a href="#">29</a>	SPL	ITN Food corp<UNOFFICIAL>	1910 St. Laurent St. ELMAVALE ACRES SHOPPING CENTRA<UNOFFICIAL> Ottawa ON K1G 1A4	NNW/228.3	77.00	<a href="#">46</a>
<a href="#">29</a>	SPL	Hydro Ottawa Limited	ELMVALE SHOPPING CENTRE - 1910 ST.LAURENT BLVD.<UNOFFICIAL> Ottawa ON K1G 1A4	NNW/228.3	77.00	<a href="#">47</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="#">30</a>	FST	QUICKIE CONVENIENCE STORES LARNY LTD	1030 PLEASANT PARK RD OTTAWA ON K1G 2A1	SSE/215.8	76.37	<a href="#">47</a>
<a href="#">30</a>	FST	QUICKIE CONVENIENCE STORES LARNY LTD	1030 PLEASANT PARK RD OTTAWA ON K1G 2A1	SSE/215.8	76.37	<a href="#">47</a>
<a href="#">30</a>	FST	QUICKIE CONVENIENCE STORES LARNY LTD	1030 PLEASANT PARK RD OTTAWA ON K1G 2A1	SSE/215.8	76.37	<a href="#">48</a>
<a href="#">30</a>	FST	QUICKIE CONVENIENCE STORES LARNY LTD	1030 PLEASANT PARK RD OTTAWA ON K1G 2A1	SSE/215.8	76.37	<a href="#">48</a>
<a href="#">31</a>	FSTH	QUICKIE CONVENIENCE STORES LARNY LTD	1030 PLEASANT PARK RD OTTAWA ON K1G 2A1	SSE/216.7	76.66	<a href="#">48</a>
<a href="#">31</a>	FSTH	QUICKIE CONVENIENCE STORES LARNY LTD	1030 PLEASANT PARK RD OTTAWA ON K1G 2A1	SSE/216.7	76.66	<a href="#">49</a>
<a href="#">31</a>	PRT	QUICKIE CONVENIENCE STORES LARNY LTD	1030 PLEASANT PK OTTAWA ON K1G2A1	SSE/216.7	76.66	<a href="#">49</a>
<a href="#">32</a>	EHS		1917 and 1919 St. Laurent Blvd. Ottawa ON K1G 3S6	N/232.4	76.00	<a href="#">50</a>
<a href="#">33</a>	BORE		ON	N/233.3	75.44	<a href="#">50</a>
<a href="#">34</a>	EHS		1917 ST LAURENT BLVD OTTAWA ON K1G 3S6	N/241.9	75.67	<a href="#">51</a>
<a href="#">35</a>	BORE		ON	WNW/246.5	77.00	<a href="#">51</a>

# Executive Summary: Summary By Data Source

## **BORE - Borehole**

A search of the BORE database, dated 1875-Jul 2014 has found that there are 7 BORE site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance m</u></b>	<b><u>Map Key</u></b>
	ON	39.6	<a href="#"><u>4</u></a>
	ON	64.3	<a href="#"><u>7</u></a>
	ON	121.5	<a href="#"><u>13</u></a>
	ON	163.2	<a href="#"><u>21</u></a>
	ON	178.8	<a href="#"><u>23</u></a>
	ON	233.3	<a href="#"><u>33</u></a>
	ON	246.5	<a href="#"><u>35</u></a>

## **CPU - Certificates of Property Use**

A search of the CPU database, dated 1994-May 2015 has found that there are 1 CPU site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance m</u></b>	<b><u>Map Key</u></b>
2058280 Ontario Limited	1910 St. Laurent Boulevard OTTAWA ON K1G 1A4	228.3	<a href="#"><u>29</u></a>

## **EHS - ERIS Historical Searches**

A search of the EHS database, dated 1999-Aug 2014 has found that there are 8 EHS site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance m</u></b>	<b><u>Map Key</u></b>
	2025 and 2035 Othello Avenue Ottawa ON	105.7	<a href="#"><u>9</u></a>
	1971&1975 St Laurent Ottawa ON K1G 3P8	79.3	<a href="#"><u>10</u></a>
	1917 & 1919 St.Laurent Boulevard Ottawa ON	206.9	<a href="#"><u>28</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	1910 St. Laurent Boulevard Ottawa ON K1G 1A4	228.3	<a href="#">29</a>
	1910 St. Laurent Blvd Ottawa ON K1G 1A4	228.3	<a href="#">29</a>
	1910 St. Laurent Blvd. Ottawa ON K1G 1A4	228.3	<a href="#">29</a>
	1917 and 1919 St. Laurent Blvd. Ottawa ON K1G 3S6	232.4	<a href="#">32</a>
	1917 ST LAURENT BLVD OTTAWA ON K1G 3S6	241.9	<a href="#">34</a>

### **EXP - List of TSSA Expired Facilities**

A search of the EXP database, dated Current to Nov 2014 has found that there are 9 EXP site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	115.5	<a href="#">14</a>
1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON	115.5	<a href="#">14</a>
1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	115.5	<a href="#">14</a>
1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	115.5	<a href="#">14</a>
1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	115.5	<a href="#">14</a>
1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	115.5	<a href="#">14</a>
1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON	115.5	<a href="#">14</a>
1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	115.5	<a href="#">14</a>
1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE	2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	115.5	<a href="#">14</a>

### **FST - Fuel Storage Tank**

A search of the FST database, dated 2010-Nov 2014 has found that there are 4 FST site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
QUICKIE CONVENIENCE STORES LARNY LTD	1030 PLEASANT PARK RD OTTAWA ON K1G 2A1	215.8	<a href="#">30</a>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
QUICKIE CONVENIENCE STORES LARNY LTD	1030 PLEASANT PARK RD OTTAWA ON K1G 2A1	215.8	<a href="#">30</a>
QUICKIE CONVENIENCE STORES LARNY LTD	1030 PLEASANT PARK RD OTTAWA ON K1G 2A1	215.8	<a href="#">30</a>
QUICKIE CONVENIENCE STORES LARNY LTD	1030 PLEASANT PARK RD OTTAWA ON K1G 2A1	215.8	<a href="#">30</a>

### **FSTH - Fuel Storage Tank - Historic**

A search of the FSTH database, dated Pre-Jan 2010\* has found that there are 2 FSTH site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
QUICKIE CONVENIENCE STORES LARNY LTD	1030 PLEASANT PARK RD OTTAWA ON K1G 2A1	216.7	<a href="#">31</a>
QUICKIE CONVENIENCE STORES LARNY LTD	1030 PLEASANT PARK RD OTTAWA ON K1G 2A1	216.7	<a href="#">31</a>

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

A search of the GEN database, dated 1986-Apr 2014 has found that there are 31 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
2058280 Ontario Limited	1910 St. Laurent Boulevard Ottawa ON	83.4	<a href="#">6</a>
CAREMEDICS ELMVALE INC.	1910 St. Laurent Blvd OTTAWA ON	83.4	<a href="#">6</a>
CANGO INC.	2013 ST LAURENT BLVD., OTTAWA ON K1G 1A3	115.5	<a href="#">14</a>
SPIC & SPAN (SEE & USE ON 1237702)	ELMVALE ACRES MALL, ST. LAURENT BLVD. C/O 1764 WOODWARD DRIVE OTTAWA ON K2C 0P8	203.3	<a href="#">24</a>
SPIC & SPAN (SEE & USE ON1237702) 35-136	ELMVALE ACRES MALL, ST. LAURENT BLVD. C/O 1764 WOODWARD DRIVE OTTAWA ON K2C 0P8	203.3	<a href="#">24</a>
SPIC & SPAN-VALETOR-CASH CLEANERS	ELMVALE ACRES MALL, ST. LAURENT BLVD. C/O 1764 WOODWARD DRIVE OTTAWA ON K2C 0P8	203.3	<a href="#">24</a>
ROMANO SPORT SHOP LTD. 33-813	1020 PLEASANT PARK ROAD OTTAWA ON K1G 2P1	207.4	<a href="#">27</a>
ROMANO SPORT SHOP LTD.	1020 PLEASANT PARK ROAD OTTAWA ON K1G 2P1	207.4	<a href="#">27</a>
Hydro Ottawa Ltd.	1910 St. Laurent Ottawa ON K1G 1A4	228.3	<a href="#">29</a>
CAREMEDICS ELMVALE INC.	1910 St. Laurent Blvd OTTAWA ON	228.3	<a href="#">29</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
CAREMEDICS ELMVALE INC.	1910 St. Laurent Blvd OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
PHARMA PLUS DRUGS LTD. 31-672	1910 ST. LAURENT BLVD., OTTAWA C/O 5935 AIRPORT ROAD STE. 500 MISSISSAUGA ON K1G 1A4	228.3	<a href="#">29</a>
2058280 Ontario Limited	1910 St. Laurent Boulevard Ottawa ON K1G 1A4	228.3	<a href="#">29</a>
CANDACE DRY CLEANERS, 888265 ONTARIO LTD	1910 ST. LAURENT BLVD. OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
FUJI IMAGE PLAZA W.P.I. SUPPLY LIMITED	1910 ST. LAURENT BOULEVARD ELMVALE PLAZA OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
CANDACE DRY CLEANERS, 888265 40-263	ONTARIO INC. ELMVALE ACRES SHOPPING CENTRE, 1910 ST. LAURENT BLVD. OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
2058280 Ontario Limited	1910 St. Laurent Boulevard Ottawa ON K1G 1A4	228.3	<a href="#">29</a>
FUJI IMAGE PLAZA W.P.I. SUPPLY LTD15-343	1910 ST. LAURENT BLVD. ELMVALE PLAZA OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
2058280 Ontario Ltd.	1910 St. Laurent Blvd. Ottawa ON K1G 1A4	228.3	<a href="#">29</a>
FUJI IMAGE PLAZA W.P.I. SUPPLY LTD	1910 ST. LAURENT BLVD. ELMVALE PLAZA OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
205 8280 Ontario Limited	1910 St. Laurent Boulevard Ottawa ON K1G 1A4	228.3	<a href="#">29</a>
V.I.P. DRYCLE(SEE & USE ON1454601)46-263	1910 ST. LAURENT BLVD. OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
2058280 Ontario Limited	1910 St. Laurent Boulevard Ottawa ON K1G 1A4	228.3	<a href="#">29</a>
CAREMEDICS ELMVALE INC.	1910 St. Laurent Blvd OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
CANDACE DRY CLEANERS	1910 ST. LAURENT BOULEVARD OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
CAREMEDICS ELMVALE INC.	1910 St. Laurent Blvd OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
205 8280 Ontario Limited	1910 St. Laurent Boulevard Ottawa ON K1G 1A4	228.3	<a href="#">29</a>
2058280 Ontario Limited	1910 St. Laurent Boulevard Ottawa ON K1G 1A4	228.3	<a href="#">29</a>
PHARMA PLUS DRUGS LTD.	1910 ST. LAURENT BOULEVARD OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
PHARMA PLUS DRUGS LTD	1910 ST. LAURENT BOULEVARD OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
W.P.I. SUPPLY LIMITED	1910 St. Laurent Blvd. #40 Ottawa ON K1G 1A4	228.3	<a href="#">29</a>

## **PES - Pesticide Register**

A search of the PES database, dated 1988-Jun 2013 has found that there are 13 PES site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
LOBLAWS SUPERMARKETS LIMITED	1910 ST. LAURENT BLVD. ELMVALE ON K6H 3K9	203.3	<a href="#">24</a>
LOBLAWS COMPANIES EAST	1910 ST. LAURENT BLVD. OTTAWA ON K6H 3K9	203.3	<a href="#">24</a>
LOBLAWS SUPERMARKTS LTD #1200	1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
ELMVALE ACRES HOME HARDWARE 769564 ONTARIO INC	1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
ELMVALE ACRES HOME HARDWARE / DUBIEN HARDWARE CORP.	24 - 1910 ST. LAURENT BLVD OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
ELMVALE ACRES HOME HARDWARE / DUBIEN HARDWARE CORP.	24 - 1910 ST. LAURENT BLVD OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
ELMVALE ACRES HOME HARDWARE 769564 ONTARIO INC.	1910 ST. LAURENT BLVD. OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
LOBLAWS COMPANIES EAST #1200	1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
LOBLAWS SUPERMARKTS LTD #1200	1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
ELMVALE ACRES HOME HARDWARE 769564 ONTARIO INC	1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
LOBLAWS COMPANIES EAST #1200	1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
LOBLAW SUPERMARKET #1200	1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>
LOBLAW SUPERMARKETS LTD. STORE NO. 200-2	1910 ST. LAURENT BLVD. OTTAWA ON K1G 1A4	228.3	<a href="#">29</a>

### **PRT - Private and Retail Fuel Storage Tanks**

A search of the PRT database, dated 1989-1996\* has found that there are 2 PRT site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
SUNYS PETROLEUM INC	2013 ST LAURENT BLVD OTTAWA ON K1G1A3	115.5	<a href="#">14</a>
QUICKIE CONVENIENCE STORES LARNY LTD	1030 PLEASANT PK OTTAWA ON K1G2A1	216.7	<a href="#">31</a>

## **RST - Retail Fuel Storage Tanks**

A search of the RST database, dated 1999-Jul 2014 has found that there are 4 RST site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance m</u></b>	<b><u>Map Key</u></b>
ALLRIGHT AUTOMOTIVE REPAIR INC	2013 ST LAURENT BLVD OTTAWA ON K1G1A3	115.5	<a href="#"><u>14</u></a>
SUNYS GAS BAR	2013 ST LAURENT BLVD OTTAWA ON K1G1A3	115.5	<a href="#"><u>14</u></a>
ALLRIGHT AUTOMOTIVE REPAIR INC	2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	115.5	<a href="#"><u>14</u></a>
ALLRIGHT AUTOMOTIVE REPAIR INC	2013 ST. LAURENT BLVD OTTAWA ON K1G1A3	115.5	<a href="#"><u>14</u></a>

## **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Feb 2014 has found that there are 5 SPL site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance m</u></b>	<b><u>Map Key</u></b>
PRIVATE RESIDENCE	956 CHAPMAN CR. FURNACE OIL TANK OTTAWA CITY ON K1G 1V6	104.5	<a href="#"><u>12</u></a>
	1991 St. Laurent Boulevard Ottawa ON	135.0	<a href="#"><u>15</u></a>
BFI Canada Inc<UNOFFICIAL>	1919 St Laurent Blvd Ottawa ON K1G 3R9	178.6	<a href="#"><u>22</u></a>
ITN Food corp<UNOFFICIAL>	1910 St. Laurent St. ELMAVALE ACRES SHOPPING CENTRA<UNOFFICIAL> Ottawa ON K1G 1A4	228.3	<a href="#"><u>29</u></a>
Hydro Ottawa Limited	ELMVALE SHOPPING CENTRE - 1910 ST.LAURENT BLVD.<UNOFFICIAL> Ottawa ON K1G 1A4	228.3	<a href="#"><u>29</u></a>

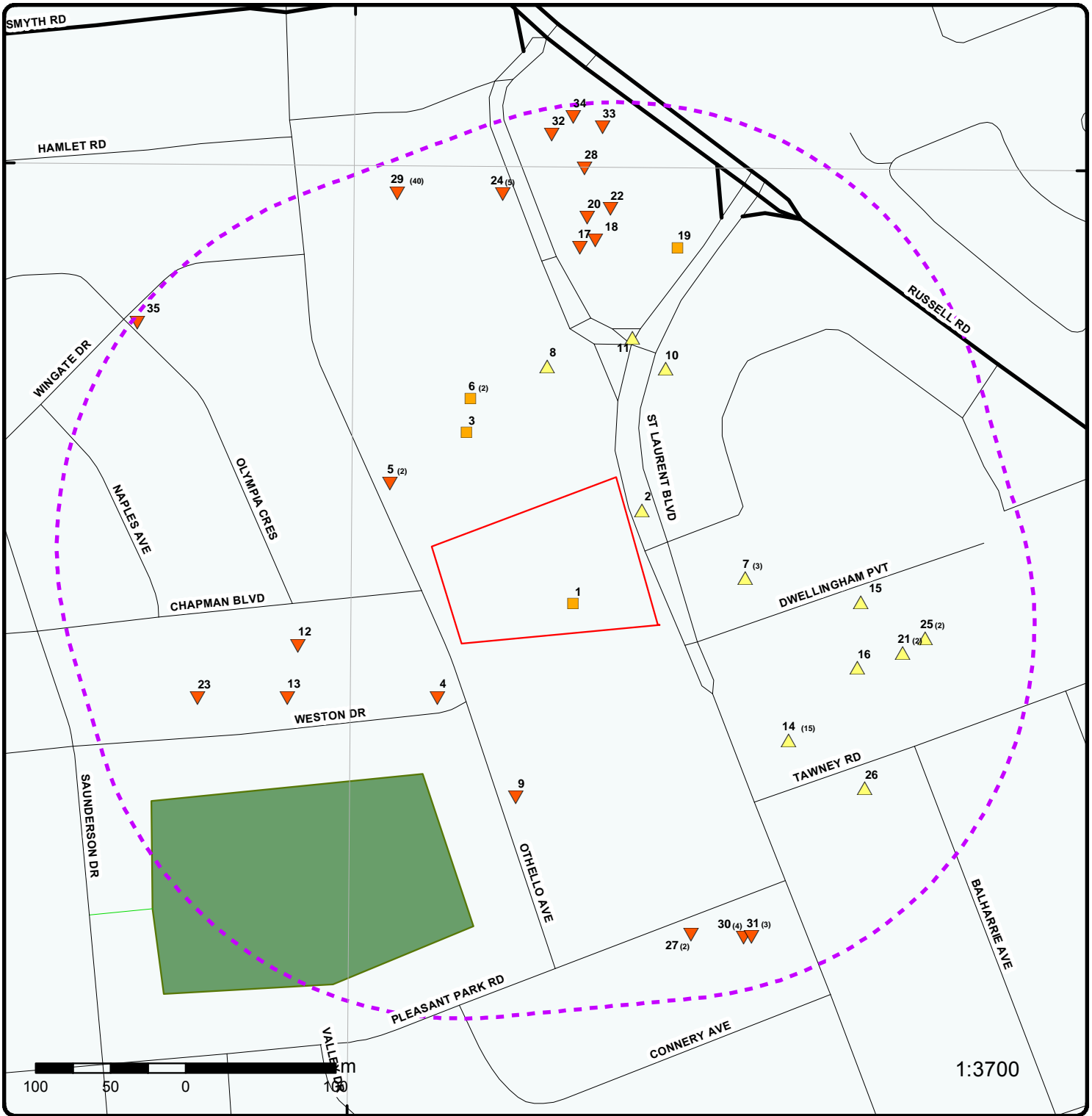
## **WWIS - Water Well Information System**

A search of the WWIS database, dated 1955-Mar 2014 has found that there are 18 WWIS site(s) within approximately 0.25 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance m</u></b>	<b><u>Map Key</u></b>
	lot 16 OTTAWA ON	0.0	<a href="#"><u>1</u></a>
	lot 27 con 3 ON	10.4	<a href="#"><u>2</u></a>
	lot 16 ON	63.0	<a href="#"><u>3</u></a>
	OTTAWA ON	50.5	<a href="#"><u>5</u></a>



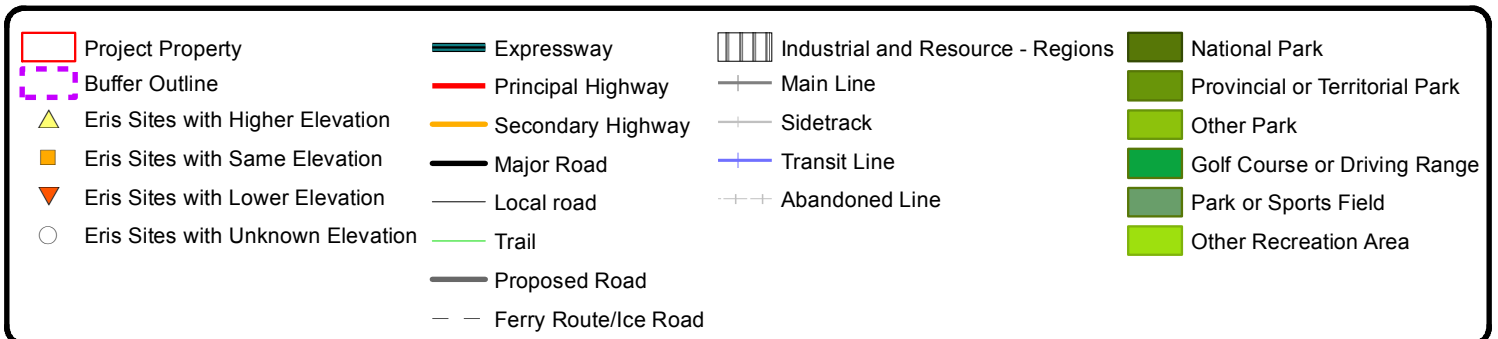
<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
		50.5	<a href="#"><u>5</u></a>
	OTTAWA ON		
	ON	64.3	<a href="#"><u>7</u></a>
	ON	64.3	<a href="#"><u>7</u></a>
	lot 16 OTTAWA ON	85.4	<a href="#"><u>8</u></a>
	ON	93.6	<a href="#"><u>11</u></a>
	ON	135.3	<a href="#"><u>16</u></a>
	ON	155.0	<a href="#"><u>17</u></a>
	ON	158.6	<a href="#"><u>18</u></a>
	ON	158.3	<a href="#"><u>19</u></a>
	ON	174.1	<a href="#"><u>20</u></a>
	ON	163.2	<a href="#"><u>21</u></a>
	ON	177.4	<a href="#"><u>25</u></a>
	ON	177.4	<a href="#"><u>25</u></a>
	ON	175.0	<a href="#"><u>26</u></a>

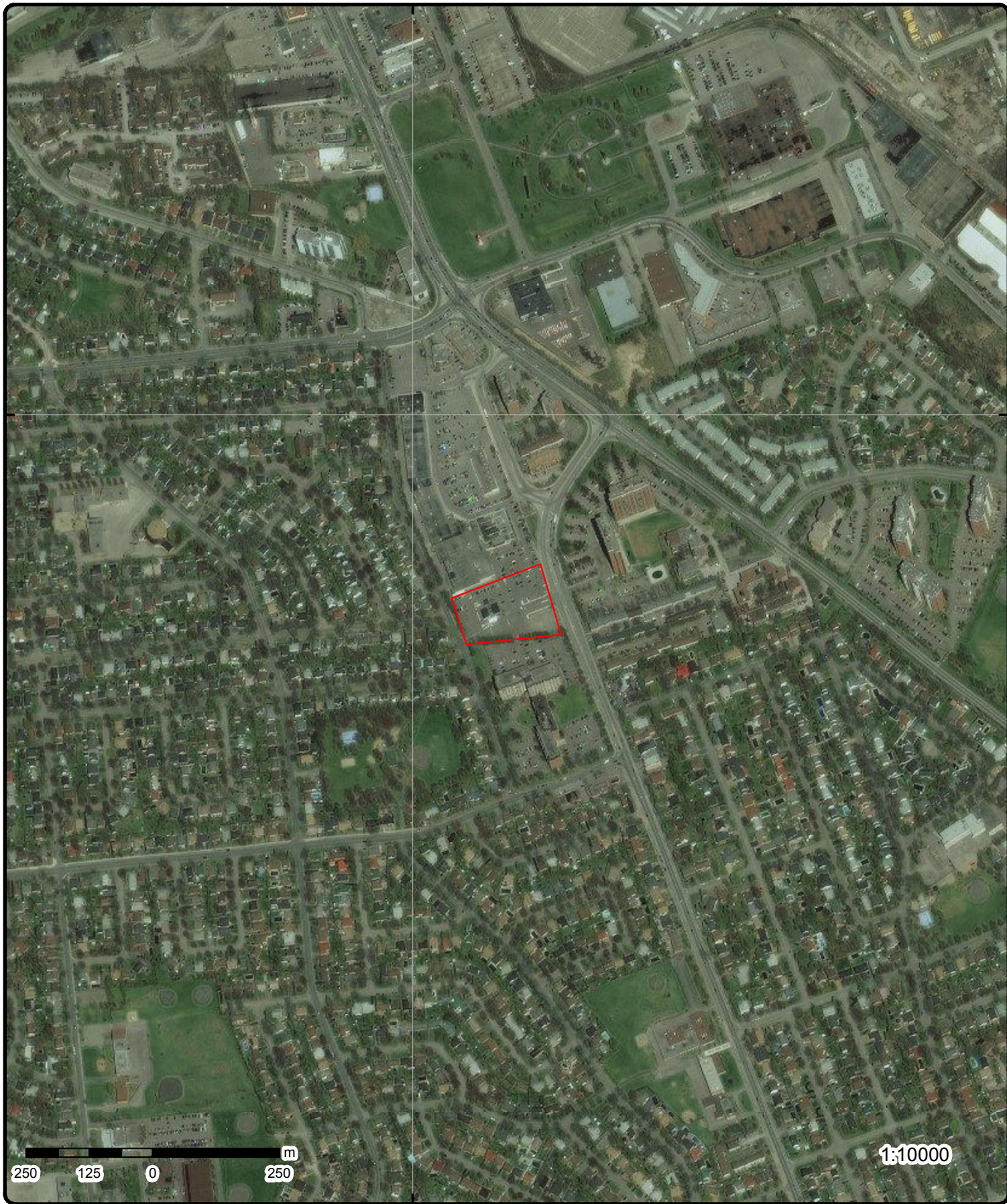


# Map

Order No: 20150611004

Address: 1910 St Laurent, Ottawa, ON





# Aerial

Order No: 20150611004

Address: 1910 St Laurent, Ottawa, ON

# Detail Report

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<u>1</u>	1 of 1	-/0.0	78.0	<b>lot 16 OTTAWA ON</b>	WWIS
Well ID: 1535242		Lot: 016		Concession Name: JG	
Concession: 03		Municipality: GLOUCESTER TOWNSHIP		Northing Nad83: 5027285	
County: OTTAWA-CARLETON		Utm Reliability: margin of error : 10 - 30 m		Construction Date: 07-OCT-04	
Easting Nad83: 451231		Well Depth: 13 m		Static Water Level:	
Zone: 18		Clear/Cloudy:		Final Well Status: Observation Wells	
Primary Water Use:		Flowing (y/n):		Elevation Reliability:	
Sec. Water Use:		Elevation/Bedrock: Overburden		Casing Material: Not stated	
Pump Rate:		Original Depth: 5 m		Material: 5 m	
Flow Rate:		Original Depth: 13 m		Material: 8 m	
Specific Capacity:		--- Details ---			
Construction Method: Other Method		Thickness: BROWN		Material Colour: SAND, TOPSOIL, LOOSE	
Elevation (m): 77.99		Material Colour: GREY		Material Colour: CLAY, SILT, LOOSE	
Depth to Bedrock:		Material Colour: SAND, GRAVEL		Material Colour: SAND, SILT, CLAY	
Water Type:		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
--- Details ---		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
Thickness: BROWN		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
Material Colour: SAND, TOPSOIL, LOOSE		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
+ Thickness: GREY		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
Material Colour: CLAY, SILT, LOOSE		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
--- Details ---		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
Thickness: BROWN		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
Material Colour: SAND, GRAVEL		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
+ Thickness: GREY		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
Material Colour: SAND, SILT, CLAY		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
--- Details ---		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
Thickness: BROWN		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
Material Colour: SAND, GRAVEL		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
+ Thickness: GREY		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
Material Colour: SAND, SILT, CLAY		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
--- Details ---		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
Thickness: BROWN		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
Material Colour: SAND, GRAVEL		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
+ Thickness: GREY		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			
Material Colour: SAND, SILT, CLAY		+ Thickness: GREY Material Colour: SAND, SILT, CLAY			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Thickness:	GREY			Original Depth:	5.7 m
Material Colour:	CLAY, SILT, WATER-BEARING			Material:	1.1 m
+					
Thickness:	GREY			Original Depth:	.2 m
Material Colour:				Material:	.2 m
<b>3</b>	<b>1 of 1</b>	<b>NNW/63.0</b>	<b>78.0</b>	<b>lot 16 ON</b>	<b>WWIS</b>
Well ID:	1535126			Lot:	016
Concession:				Concession Name:	JG
County:	OTTAWA-CARLETON			Municipality:	GLOUCESTER TOWNSHIP
Easting Nad83:	451160			Northing Nad83:	5027399
Zone:	18			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Not Used			Construction Date:	08-SEP-04
Sec. Water Use:				Well Depth:	25 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Boring			Flowing (y/n):	
Elevation (m):	78.52			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	FRESH			Casing Material:	Not stated
---	Details	---			
Thickness:	GREY			Original Depth:	25 ft
Material Colour:	CLAY, SILTY, STONES			Material:	25 ft
<b>4</b>	<b>1 of 1</b>	<b>SW/39.6</b>	<b>77.0</b>	<b>ON</b>	<b>BORE</b>
Borehole ID:	614920			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	451141			Northing:	5027222
Location Accuracy:				Orig. Ground Elev m:	76.5
Elev. Reliability Note:				DEM Ground Elev m:	76.3
Total Depth m:	-999			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:				Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
---	Details	---			
Stratum ID:	218399770			Top Depth(m):	0.0
Bottom Depth(m):	0.9			Stratum Desc:	SILT.
+					
Stratum ID:	218399771			Top Depth(m):	0.9
Bottom Depth(m):	3.4			Stratum Desc:	CLAY.
+					
Stratum ID:	218399772			Top Depth(m):	3.4
Bottom Depth(m):				Stratum Desc:	CLAY. SOFT. FISSURED.CLAY. GREY,STIFF TO VERY STIFF, FISSURED. UNSPECIFIED. VERY LOOS

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">5</a>	1 of 2	WNW/50.5	77.0	<b>OTTAWA ON</b>	<b>WWIS</b>
Well ID:	1536548			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	451109			Northing Nad83:	5027365
Zone:	18			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	29-JUN-06
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:	Other Method			Flowing (y/n):	
Elevation (m):	77.07			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	No formation data
Water Type:				Casing Material:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">5</a>	2 of 2	WNW/50.5	77.0	<b>OTTAWA ON</b>	<b>WWIS</b>
Well ID:	1536433			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	451109			Northing Nad83:	5027365
Zone:	18			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	24-MAR-06
Sec. Water Use:				Well Depth:	18.14 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Air Percussion			Flowing (y/n):	
Elevation (m):	77.07			Elevation Reliability:	
Depth to Bedrock:	28			Overburden/Bedrock:	Mixed in a Layer
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	GREY			Original Depth:	13.13 m
Material Colour:	TILL, SAND, GRAVEL			Material:	3.38 m
+					
Thickness:				Original Depth:	18.14 m
Material Colour:	ROCK, LIMESTONE			Material:	5.01 m
+					
Thickness:	GREY			Original Depth:	9.75 m
Material Colour:	BOULDERS, BASALT			Material:	1.22 m
+					
Thickness:	GREY			Original Depth:	4.88 m
Material Colour:	SILT, CLAY, SAND			Material:	4.02 m
+					
Thickness:	GREY			Original Depth:	.86 m
Material Colour:	SAND, GRAVEL, FINE-GRAINED			Material:	.86 m
+					
Thickness:	GREY			Original Depth:	8.53 m
Material Colour:	SILT, CLAY, SOFT			Material:	3.65 m

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">6</a>	1 of 2	NNW/83.4	78.0	2058280 Ontario Limited 1910 St. Laurent Boulevard Ottawa ON	GEN
Generator #:		ON6986798			
Approval Yrs:		2013			
SIC Code:		525930			
SIC Description:					
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">6</a>	2 of 2	NNW/83.4	78.0	CAREMEDICS ELMVALE INC. 1910 St. Laurent Blvd OTTAWA ON	GEN
Generator #:		ON5058871			
Approval Yrs:		2013			
SIC Code:		621110			
SIC Description:		OFFICES OF PHYSICIANS			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">7</a>	1 of 3	E/64.3	80.0	ON	BORE
Borehole ID:		614923		Type: Borehole	
Use:					
Drill Method:					
Easting:		451346		UTM Zone: 18	
Location Accuracy:					
Elev. Reliability Note:					
Total Depth m:		35.1		Northing: 5027302	
Township:					
Lot:					
Completion Date:		JAN-1954		Orig. Ground Elev m: 76.2	
Primary Water Use:					
				DEM Ground Elev m: 79.1	
		Primary Name:			
		Concession:			
		Municipality:			
				Static Water Level: -999.9	
		Sec. Water Use:			
--- Details ---					
Stratum ID:		218399781		Top Depth(m): 6.1	
Bottom Depth(m):		8.5		Stratum Desc: CLAY.	
+					
Stratum ID:		218399782		Top Depth(m): 8.5	
Bottom Depth(m):		9.8		Stratum Desc: SAND. BLACK.	
+					
Stratum ID:		218399783		Top Depth(m): 9.8	
Bottom Depth(m):		35.1		Stratum Desc: SHALE. GREY. 001150 VERY STIFF, FISSURED. UNSPECIFIED. VERY LOOSE TO LOOSE. 00010 029 00	
+					
Stratum ID:		218399779		Top Depth(m): 0.0	
Bottom Depth(m):		0.9		Stratum Desc: SAND.	
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Stratum ID:	218399780			Top Depth(m):	0.9
Bottom Depth(m):	6.1			Stratum Desc:	CLAY. BLUE.

<u>7</u>	2 of 3	E/64.3	80.0	ON	WWIS
Well ID:	1508881			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	451345.7			Northing Nad83:	5027302
Zone:	18			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	11-OCT-51
Sec. Water Use:				Well Depth:	122 ft
Pump Rate:				Static Water Level:	10 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	79.13			Elevation Reliability:	
Depth to Bedrock:	30			Overburden/Bedrock:	Bedrock
Water Type:	MINERIAL			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:				Original Depth:	30 ft
Material Colour:	CLAY			Material:	30 ft
+					
Thickness:				Original Depth:	122 ft
Material Colour:	ROCK			Material:	92 ft

<u>7</u>	3 of 3	E/64.3	80.0	ON	WWIS
Well ID:	1508883			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	451345.7			Northing Nad83:	5027302
Zone:	18			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	29-JAN-54
Sec. Water Use:				Well Depth:	115 ft
Pump Rate:	8 GPM			Static Water Level:	15 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	79.13			Elevation Reliability:	
Depth to Bedrock:	32			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:				Original Depth:	3 ft
Material Colour:	MEDIUM SAND, TOPSOIL			Material:	3 ft
+					
Thickness:				Original Depth:	28 ft
Material Colour:	CLAY, GRAVEL			Material:	8 ft
+					
Thickness:	BLACK			Original Depth:	32 ft
Material Colour:	MEDIUM SAND			Material:	4 ft
+					



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Thickness:	GREY			Original Depth:	115 ft
Material Colour:	SHALE			Material:	83 ft
+					
Thickness:	BLUE			Original Depth:	20 ft
Material Colour:	CLAY			Material:	17 ft
<b><u>8</u></b>	<b>1 of 1</b>	<b>N/85.4</b>	<b>78.1</b>	<b>lot 16 OTTAWA ON</b>	<b>WWIS</b>
Well ID:	1535296			Lot:	016
Concession:				Concession Name:	JG
County:	OTTAWA-CARLETON			Municipality:	GLOUCESTER TOWNSHIP
Easting Nad83:	451214			Northing Nad83:	5027443
Zone:	18			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	12-AUG-04
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Other Method			Flowing (y/n):	
Elevation (m):	79.23			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	No formation data
Water Type:				Casing Material:	
<b><u>9</u></b>	<b>1 of 1</b>	<b>S/105.7</b>	<b>77.0</b>	<b>2025 and 2035 Othello Avenue Ottawa ON</b>	<b>EHS</b>
Order No.:	20101004027				
Report Date:	10/12/2010				
Report Type:	Custom Report				
Search Radius (km):	0.25				
Addit. Info Ordered:					
<b><u>10</u></b>	<b>1 of 1</b>	<b>NNE/79.3</b>	<b>79.9</b>	<b>1971&amp;1975 St Laurent Ottawa ON K1G 3P8</b>	<b>EHS</b>
Order No.:	20080812038				
Report Date:	8/21/2008				
Report Type:	Complete Report				
Search Radius (km):	0.25				
Addit. Info Ordered:	Fire Insur. Maps And /or Site Plans				
<b><u>11</u></b>	<b>1 of 1</b>	<b>NNE/93.6</b>	<b>78.9</b>	<b>ON</b>	<b>WWIS</b>
Well ID:	1508890			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	451270.7			Northing Nad83:	5027462
Zone:	18			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	23-MAY-59
Sec. Water Use:				Well Depth:	130 ft
Pump Rate:	3 GPM			Static Water Level:	12 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	79.27			Elevation Reliability:	
Depth to Bedrock:	30			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:				Original Depth:	130 ft
Material Colour:	SHALE, LIMESTONE			Material:	100 ft
+					
Thickness:				Original Depth:	30 ft
Material Colour:	GRAVEL, HARDPAN			Material:	10 ft
+					
Thickness:				Original Depth:	20 ft
Material Colour:	CLAY			Material:	20 ft

<a href="#">12</a>	1 of 1	WSW/104.5	76.0	<b>PRIVATE RESIDENCE 956 CHAPMAN CR. FURNACE OIL TANK OTTAWA CITY ON K1G 1V6</b>	<b>SPL</b>
Ref No.:	69557				
Incident Dt:	4/22/1992				
MOE Reported Dt:	4/22/1992				
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:	PRIVATE RESIDENCE-2 L. OFFURNACE OIL TO FLOOR			DRAIN,LEAKING FILTER.	
Incident Cause:	PIPE/HOSE LEAK				
Incident Reason:	EQUIPMENT FAILURE				
Nature of Impact:	Surface Water Pollution				
Receiving Medium:	WATER				
Environmental Impact:	POSSIBLE				

<a href="#">13</a>	1 of 1	WSW/121.5	75.2	<b>ON</b>	<b>BORE</b>
Borehole ID:	614918			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	451041			Northing:	5027222
Location Accuracy:				Orig. Ground Elev m:	75.6
Elev. Reliability Note:				DEM Ground Elev m:	75.8
Total Depth m:	-999			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:				Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218399764			Top Depth(m):	0.0
Bottom Depth(m):	1.2			Stratum Desc:	SILT.
+					
Stratum ID:	218399765			Top Depth(m):	1.2
Bottom Depth(m):	3.0			Stratum Desc:	CLAY. HARD.
+					
Stratum ID:	218399766			Top Depth(m):	3.0
Bottom Depth(m):				Stratum Desc:	CLAY. SOFT. FISSURED.CLAY.

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
					GREY,STIFF TO VERY STIFF, FISSURED. UNSPECIFIED. VERY LOOSE TO L
<a href="#">14</a>	1 of 15	SE/115.5	78.2	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE 2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	EXP
				Instance ID: 50980 TSSA Program Area: Maximum Hazard Rank: Instance Number: 10907324 Instance Type: FS Liquid Fuel Tank Status: EXPIRED Description: FS Gasoline Station - Full Serve	
<a href="#">14</a>	2 of 15	SE/115.5	78.2	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE 2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	EXP
				Instance ID: TSSA Program Area: Maximum Hazard Rank: Instance Number: 10907333 Instance Type: FS Liquid Fuel Tank Status: EXPIRED Description:	
<a href="#">14</a>	3 of 15	SE/115.5	78.2	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE 2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	EXP
				Instance ID: TSSA Program Area: Maximum Hazard Rank: Instance Number: 9739661 Instance Type: FS Facility Status: EXPIRED Description:	
<a href="#">14</a>	4 of 15	SE/115.5	78.2	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE 2013 ST LAURENT BLVD OTTAWA ON	EXP
				Instance ID: 51522 TSSA Program Area: Maximum Hazard Rank: Instance Number: 10907348 Instance Type: FS Piping Status: EXPIRED Description: FS Piping	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">14</a>	5 of 15	SE/115.5	78.2	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE 2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	EXP
<p>Instance ID: TSSA Program Area: Maximum Hazard Rank: Instance Number: 10907324 Instance Type: FS Liquid Fuel Tank Status: EXPIRED Description:</p>					
<a href="#">14</a>	6 of 15	SE/115.5	78.2	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE 2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	EXP
<p>Instance ID: TSSA Program Area: Maximum Hazard Rank: Instance Number: 10907315 Instance Type: FS Liquid Fuel Tank Status: EXPIRED Description:</p>					
<a href="#">14</a>	7 of 15	SE/115.5	78.2	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE 2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	EXP
<p>Instance ID: 52751 TSSA Program Area: Maximum Hazard Rank: Instance Number: 10907315 Instance Type: FS Liquid Fuel Tank Status: EXPIRED Description: FS Gasoline Station - Full Serve</p>					
<a href="#">14</a>	8 of 15	SE/115.5	78.2	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE 2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	EXP
<p>Instance ID: 50942 TSSA Program Area: Maximum Hazard Rank: Instance Number: 10907333 Instance Type: FS Liquid Fuel Tank Status: EXPIRED Description: FS Gasoline Station - Full Serve</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">14</a>	9 of 15	SE/115.5	78.2	1322331 ONTARIO INC ATTN:MICHEL LAFRAMBOISE 2013 ST LAURENT BLVD OTTAWA ON	EXP
Instance ID:		51451			
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10907342			
Instance Type:		FS Piping			
Status:		EXPIRED			
Description:		FS Piping			
<a href="#">14</a>	10 of 15	SE/115.5	78.2	CANGO INC. 2013 ST LAURENT BLVD., OTTAWA ON K1G 1A3	GEN
Generator #:		ON9277013			
Approval Yrs:		06			
SIC Code:		447190			
SIC Description:		Other Gasoline Stations			
--- Details ---					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
<a href="#">14</a>	11 of 15	SE/115.5	78.2	SUNYS PETROLEUM INC 2013 ST LAURENT BLVD OTTAWA ON K1G1A3	PRT
Location ID:		11114			
Type:		retail			
Expiry Date:		1995-12-31			
Capacity (L):		11879			
Licence #:		0052602001			
<a href="#">14</a>	12 of 15	SE/115.5	78.2	ALLRIGHT AUTOMOTIVE REPAIR INC 2013 ST LAURENT BLVD OTTAWA ON K1G1A3	RST
Facility: Description:		SERVICE STATIONS GASOLINE OIL & NATURAL			
<a href="#">14</a>	13 of 15	SE/115.5	78.2	ALLRIGHT AUTOMOTIVE REPAIR INC 2013 ST. LAURENT BLVD OTTAWA ON K1G1A3	RST
Facility: Description:		SERVICE STATIONS GASOLINE OIL & NATURAL			
<a href="#">14</a>	14 of 15	SE/115.5	78.2	ALLRIGHT AUTOMOTIVE REPAIR INC 2013 ST LAURENT BLVD OTTAWA ON K1G 1A3	RST

Map Key	Number of Records	Direction/Distance m	Elevation m	Site	DB
Facility: Description:		SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS			
<a href="#">14</a>	15 of 15	SE/115.5	78.2	SUNYS GAS BAR 2013 ST LAURENT BLVD OTTAWA ON K1G1A3	RST
Facility: Description:		Service Stations-Gasoline, Oil & Natural Gas			
<a href="#">15</a>	1 of 1	E/135.0	80.0	1991 St. Laurent Boulevard Ottawa ON	SPL
Ref No.:		7120-8U5RRL			
Incident Dt:		09-MAY-12			
MOE Reported Dt:		09-MAY-12			
Contaminant Name:		HYDRAULIC OIL			
Contaminant Quantity:					
Incident Summary:		Veolia Env-60 L Hydraulic Oil to Lot,Cleaned-Up			
Incident Cause:					
Incident Reason:					
Nature of Impact:					
Receiving Medium:		Sewage - Municipal/Private and Commercial			
Environmental Impact:		Not Anticipated			
<a href="#">16</a>	1 of 1	ESE/135.3	79.0	ON	WWIS
Well ID:		1508225		Lot:	
Concession:				Concession Name:	
County:		OTTAWA-CARLETON		Municipality:	
Easting Nad83:		451420.7		OTTAWA CITY	
Zone:		18		Northing Nad83:	
Primary Water Use:		Domestic		5027242	
Sec. Water Use:				Utm Reliability:	
Pump Rate:		2 GPM		margin of error : 100 m - 300 m	
Flow Rate:				Construction Date:	
Specific Capacity:				04-AUG-59	
Construction Method:		Jetting		Well Depth:	
Elevation (m):		79.28		85 ft	
Depth to Bedrock:		34		Static Water Level:	
Water Type:		FRESH		12 ft	
---		---		Clear/Cloudy:	
Thickness:		BLUE		CLOUDY	
Material Colour:		CLAY		Final Well Status:	
+				Water Supply	
Thickness:				Flowing (y/n):	
Material Colour:		MEDIUM SAND, BOULDERS		N	
+				Elevation Reliability:	
Thickness:		GREY		Overburden/Bedrock:	
Material Colour:		LIMESTONE		Bedrock	
				Casing Material:	
				FRESH, MINERIAL	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">17</a>	1 of 1	N/155.0	77.6	ON	WWIS
Well ID:	1508957			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	451235.7			Northing Nad83:	5027522
Zone:	18			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	06-OCT-60
Sec. Water Use:				Well Depth:	70 ft
Pump Rate:	5 GPM			Static Water Level:	34 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	79.52			Elevation Reliability:	
Depth to Bedrock:	48			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	BLUE			Original Depth:	38 ft
Material Colour:	CLAY			Material:	38 ft
+					
Thickness:	GREY			Original Depth:	70 ft
Material Colour:	LIMESTONE			Material:	22 ft
+					
Thickness:				Original Depth:	48 ft
Material Colour:	GRAVEL, CLAY, MEDIUM SAND			Material:	10 ft

<a href="#">18</a>	1 of 1	N/158.6	77.4	ON	WWIS
Well ID:	1508886			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	451245.7			Northing Nad83:	5027527
Zone:	18			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	23-SEP-55
Sec. Water Use:				Well Depth:	129 ft
Pump Rate:	8 GPM			Static Water Level:	14 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	79.49			Elevation Reliability:	
Depth to Bedrock:	53			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	BLUE			Original Depth:	50 ft
Material Colour:	CLAY			Material:	50 ft
+					
Thickness:	BLACK			Original Depth:	75 ft
Material Colour:	SHALE			Material:	22 ft
+					
Thickness:	GREY			Original Depth:	129 ft
Material Colour:	SHALE			Material:	54 ft
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Thickness:	BLACK			Original Depth:	53 ft
Material Colour:	FINE SAND			Material:	3 ft

<a href="#">19</a>	1 of 1	NNE/158.3	78.0	ON	WWIS
Well ID:	1508870			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	451300.7			Northing Nad83:	5027522
Zone:	18			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	20-JUL-58
Sec. Water Use:				Well Depth:	160 ft
Pump Rate:	2 GPM			Static Water Level:	17 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	79.32			Elevation Reliability:	
Depth to Bedrock:	0			Overburden/Bedrock:	Overburden below Bedrock
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	GREY			Original Depth:	45 ft
Material Colour:	LIMESTONE			Material:	45 ft
+					
Thickness:	GREY			Original Depth:	160 ft
Material Colour:	CLAY			Material:	115 ft

<a href="#">20</a>	1 of 1	N/174.1	77.0	ON	WWIS
Well ID:	1508878			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	451240.7			Northing Nad83:	5027542
Zone:	18			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	24-OCT-58
Sec. Water Use:				Well Depth:	137 ft
Pump Rate:	8 GPM			Static Water Level:	22 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	79.36			Elevation Reliability:	
Depth to Bedrock:	52			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	BLACK			Original Depth:	3 ft
Material Colour:	MEDIUM SAND, TOPSOIL			Material:	3 ft
+					
Thickness:				Original Depth:	52 ft
Material Colour:	MEDIUM SAND			Material:	2 ft
+					
Thickness:	GREY			Original Depth:	137 ft
Material Colour:	SHALE			Material:	85 ft
+					



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Thickness:	BLUE			Original Depth:	50 ft
Material Colour:	CLAY			Material:	47 ft

<u>21</u>	1 of 2	ESE/163.2	80.0	ON	BORE
Borehole ID:	614921			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	451451			Northing:	5027252
Location Accuracy:				Orig. Ground Elev m:	76.2
Elev. Reliability Note:				DEM Ground Elev m:	79.4
Total Depth m:	61			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	OCT-1960			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218399773			Top Depth(m):	0.0
Bottom Depth(m):	9.8			Stratum Desc:	CLAY. GREY.
+					
Stratum ID:	218399774			Top Depth(m):	9.8
Bottom Depth(m):	10.4			Stratum Desc:	GRAVEL.
+					
Stratum ID:	218399775			Top Depth(m):	10.4
Bottom Depth(m):	61.0			Stratum Desc:	LIMESTONE. FISSURED.CLAY. GREY,STIFF TO VERY STIFF, FISSURED. UNSPECIFIED. VERY LOOSE TO LOO

<u>21</u>	2 of 2	ESE/163.2	80.0	ON	WWIS
Well ID:	1508229			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	451450.7			Northing Nad83:	5027252
Zone:	18			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:				Construction Date:	07-OCT-60
Sec. Water Use:				Well Depth:	200 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:	Cable Tool			Flowing (y/n):	
Elevation (m):	79.36			Elevation Reliability:	
Depth to Bedrock:	34			Overburden/Bedrock:	Bedrock
Water Type:				Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	GREY			Original Depth:	32 ft
Material Colour:	CLAY			Material:	32 ft
+					
Thickness:				Original Depth:	34 ft
Material Colour:	GRAVEL, MEDIUM SAND			Material:	2 ft
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Thickness:				Original Depth:	200 ft
Material Colour:	LIMESTONE			Material:	166 ft

<a href="#">22</a>	1 of 1	N/178.6	77.0	<b>BFI Canada Inc&lt;UNOFFICIAL&gt; 1919 St Laurent Blvd Ottawa ON K1G 3R9</b>	<b>SPL</b>
Ref No.:	1154-8CZJZC				
Incident Dt:	1/11/2011				
MOE Reported Dt:	1/11/2011				
Contaminant Name:	GLYCOL/WATER SOLUTION				
Contaminant Quantity:	19 L				
Incident Summary:	5 Gallons of Glycol to Parking Lot Drain				
Incident Cause:	Pipe Or Hose Leak				
Incident Reason:	Equipment/Vehicles				
Nature of Impact:					
Receiving Medium:					
Environmental Impact:	Not Anticipated				

<a href="#">23</a>	1 of 1	WSW/178.8	75.0	<b>ON</b>	<b>BORE</b>
Borehole ID:	614919			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	450981			Northing:	5027222
Location Accuracy:				Orig. Ground Elev m:	74.4
Elev. Reliability Note:				DEM Ground Elev m:	75
Total Depth m:	-999			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:				Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218399767			Top Depth(m):	0.0
Bottom Depth(m):	1.8			Stratum Desc:	SILT.
+					
Stratum ID:	218399768			Top Depth(m):	1.8
Bottom Depth(m):	3.4			Stratum Desc:	CLAY. HARD.
+					
Stratum ID:	218399769			Top Depth(m):	3.4
Bottom Depth(m):				Stratum Desc:	CLAY. SOFT. FISSURED.CLAY. GREY,STIFF TO VERY STIFF, FISSURED. UNSPECIFIED. VERY LOOSE TO L

<a href="#">24</a>	1 of 5	N/203.3	76.8	<b>SPIC &amp; SPAN (SEE &amp; USE ON1237702) 35-136 ELMVALE ACRES MALL, ST. LAURENT BLVD. C/O 1764 WOODWARD DRIVE OTTAWA ON K2C 0P8</b>	<b>GEN</b>
Generator #:	ON0573409				
Approval Yrs:	92,93,94,95,96,97,98				
SIC Code:	9721				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<i>SIC Description:</i>		POWER LAUND./CLEANER			
<a href="#">24</a>	2 of 5	N/203.3	76.8	SPIC & SPAN (SEE & USE ON 1237702) ELMVALE ACRES MALL, ST. LAURENT BLVD. C/O 1764 WOODWARD DRIVE OTTAWA ON K2C 0P8	GEN
<i>Generator #:</i>		ON0573409			
<i>Approval Yrs:</i>		90			
<i>SIC Code:</i>		9721			
<i>SIC Description:</i>		POWER LAUND./CLEANER			
<a href="#">24</a>	3 of 5	N/203.3	76.8	SPIC & SPAN-VALETOR-CASH CLEANERS ELMVALE ACRES MALL, ST. LAURENT BLVD. C/O 1764 WOODWARD DRIVE OTTAWA ON K2C 0P8	GEN
<i>Generator #:</i>		ON0573409			
<i>Approval Yrs:</i>		86,87,88,89			
<i>SIC Code:</i>		9721			
<i>SIC Description:</i>		POWER LAUND./CLEANERS			
--- Details ---					
<i>Waste Code:</i>		241			
<i>Waste Description:</i>		HALOGENATED SOLVENTS			
<a href="#">24</a>	4 of 5	N/203.3	76.8	LOBLAWS SUPERMARKETS LIMITED 1910 ST. LAURENT BLVD. ELMVALE ON K6H 3K9	PES
<i>Licence No.:</i>		Vendor			
<i>Licence Type:</i>		Vendor			
<a href="#">24</a>	5 of 5	N/203.3	76.8	LOBLAWS COMPANIES EAST 1910 ST. LAURENT BLVD. OTTAWA ON K6H 3K9	PES
<i>Licence No.:</i>		23-01-11842-0			
<i>Licence Type:</i>		Limited Vendor			
<a href="#">25</a>	1 of 2	E/177.4	80.0	ON	WWIS
<i>Well ID:</i>		1508228		<i>Lot:</i>	
<i>Concession:</i>				<i>Concession Name:</i>	
<i>County:</i>		OTTAWA-CARLETON		<i>Municipality:</i>	
<i>Easting Nad83:</i>		451465.7		<i>Northing Nad83:</i>	
<i>Zone:</i>		18		<i>Utm Reliability:</i>	
<i>Primary Water Use:</i>		Domestic		<i>Construction Date:</i>	
<i>Sec. Water Use:</i>				<i>Well Depth:</i>	
<i>Pump Rate:</i>		8 GPM		<i>Static Water Level:</i>	
<i>Flow Rate:</i>				<i>Clear/Cloudy:</i>	
<i>Specific Capacity:</i>				<i>Final Well Status:</i>	
<i>Construction Method:</i>		Cable Tool		<i>Flowing (y/n):</i>	
				N	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Elevation (m):	79.4			Elevation Reliability:	
Depth to Bedrock:	42			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:				Original Depth:	4 ft
Material Colour:	TOPSOIL			Material:	4 ft
+					
Thickness:	BLUE			Original Depth:	35 ft
Material Colour:	CLAY			Material:	31 ft
+					
Thickness:	GREY			Original Depth:	42 ft
Material Colour:	FINE SAND			Material:	7 ft
+					
Thickness:	GREY			Original Depth:	145 ft
Material Colour:	SHALE			Material:	103 ft

<a href="#">25</a>	<b>2 of 2</b>	<b>E/177.4</b>	<b>80.0</b>	<b>ON</b>	<b>WWIS</b>
Well ID:	1508227			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	451465.7			Northing Nad83:	5027262
Zone:	18			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	26-JUL-60
Sec. Water Use:				Well Depth:	145 ft
Pump Rate:	8 GPM			Static Water Level:	21 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	79.4			Elevation Reliability:	
Depth to Bedrock:	42			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	BLUE			Original Depth:	40 ft
Material Colour:	CLAY			Material:	36 ft
+					
Thickness:	BLACK			Original Depth:	42 ft
Material Colour:	FINE SAND			Material:	2 ft
+					
Thickness:	GREY			Original Depth:	145 ft
Material Colour:	SHALE			Material:	103 ft
+					
Thickness:				Original Depth:	4 ft
Material Colour:	TOPSOIL, MEDIUM SAND			Material:	4 ft

<a href="#">26</a>	<b>1 of 1</b>	<b>SE/175.0</b>	<b>78.6</b>	<b>ON</b>	<b>WWIS</b>
Well ID:	1507829			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Easting Nad83: 451425.7 Zone: 18 Primary Water Use: Domestic Sec. Water Use: Pump Rate: 6 GPM Flow Rate: Specific Capacity: Construction Method: Cable Tool Elevation (m): 78.43 Depth to Bedrock: 43 Water Type: FRESH				Northing Nad83: 5027162 Utm Reliability: margin of error : 100 m - 300 m Construction Date: 07-FEB-56 Well Depth: 122 ft Static Water Level: 17 ft Clear/Cloudy: CLEAR Final Well Status: Water Supply Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: Bedrock Casing Material: FRESH, MINERIAL	
--- Details ---					
Thickness:				Original Depth: 10 ft	
Material Colour: MEDIUM SAND				Material: 10 ft	
+					
Thickness:				Original Depth: 43 ft	
Material Colour: CLAY				Material: 33 ft	
+					
Thickness:				Original Depth: 122 ft	
Material Colour: LIMESTONE				Material: 79 ft	
<a href="#">27</a>	1 of 2	SSE/207.4	76.0	ROMANO SPORT SHOP LTD. 1020 PLEASANT PARK ROAD OTTAWA ON K1G 2P1	33-813 GEN
Generator #:	ON1455700				
Approval Yrs:	92,93,94,95,96,97,98				
SIC Code:	2442				
SIC Description:	WOMEN'S SPORTSWEAR				
--- Details ---					
Waste Code:	213				
Waste Description:	PETROLEUM DISTILLATES				
<a href="#">27</a>	2 of 2	SSE/207.4	76.0	ROMANO SPORT SHOP LTD. 1020 PLEASANT PARK ROAD OTTAWA ON K1G 2P1	GEN
Generator #:	ON1455700				
Approval Yrs:	99,00,01				
SIC Code:	2442				
SIC Description:	WOMEN'S SPORTSWEAR				
--- Details ---					
Waste Code:	213				
Waste Description:	PETROLEUM DISTILLATES				
<a href="#">28</a>	1 of 1	N/206.9	76.0	1917 & 1919 St.Laurent Boulevard Ottawa ON	EHS
Order No.:	20090224011				
Report Date:	3/4/2009				
Report Type:	Custom Report				
Search Radius (km):	0.25				
Addit. Info Ordered:	Fire Insur. Maps and/or Site Plans				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">29</a>	1 of 40	NNW/228.3	77.0	2058280 Ontario Limited 1910 St. Laurent Boulevard OTTAWA ON K1G 1A4	CPU
Year:		2007			
EBR Registry No.:		010-0984			
Ministry Ref. No.:		7767-6YCQ7Q			
Type:		Instrument Proposal			
Instrument Type:		Certificate of Property Use - EPA s. 168.6			
Proposal Date:					
Location:		1910 St. Laurent Boulevard, Plan 643, Part of Block E and G irregular, near the north east corner of the intersection of St. Laurent Boulevard and Smyth Road			
Proponent Address:		130 King Street West Suite 700 Toronto Ontario Canada M5X 1E2			
<a href="#">29</a>	2 of 40	NNW/228.3	77.0	1910 St. Laurent Blvd Ottawa ON K1G 1A4	EHS
Order No.:		20060801016			
Report Date:		8/11/2006			
Report Type:		Complete Report			
Search Radius (km):		0.35			
Addit. Info Ordered:					
<a href="#">29</a>	3 of 40	NNW/228.3	77.0	1910 St. Laurent Boulevard Ottawa ON K1G 1A4	EHS
Order No.:		20110228005			
Report Date:		3/8/2011			
Report Type:		Custom Report			
Search Radius (km):		0.25			
Addit. Info Ordered:					
<a href="#">29</a>	4 of 40	NNW/228.3	77.0	1910 St. Laurent Blvd. Ottawa ON K1G 1A4	EHS
Order No.:		20120528036			
Report Date:		06-JUN-12			
Report Type:		Custom Report			
Search Radius (km):		.25			
Addit. Info Ordered:		City Directory			
<a href="#">29</a>	5 of 40	NNW/228.3	77.0	Hydro Ottawa Ltd. 1910 St. Laurent Ottawa ON K1G 1A4	GEN
Generator #:		ON8454234			
Approval Yrs:		04			
SIC Code:		221122			
SIC Description:		Electric Power Distribution			
<a href="#">29</a>	6 of 40	NNW/228.3	77.0	CAREMEDICS ELMVALE INC. 1910 St. Laurent Blvd	GEN

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<b>OTTAWA ON</b>					
				Generator #: Approval Yrs: SIC Code: SIC Description:	
				ON5058871 As of April 2014	
				--- Details --- Waste Code: Waste Description:	
				312 Pathological wastes	
<a href="#">29</a>	<b>7 of 40</b>	<b>NNW/228.3</b>	<b>77.0</b>	<b>CAREMEDICS ELMVALE INC. 1910 St. Laurent Blvd OTTAWA ON K1G 1A4</b>	<b>GEN</b>
				Generator #: Approval Yrs: SIC Code: SIC Description:	
				ON5058871 2011 621110 Offices of Physicians	
				--- Details --- Waste Code: Waste Description:	
				312 PATHOLOGICAL WASTES	
<a href="#">29</a>	<b>8 of 40</b>	<b>NNW/228.3</b>	<b>77.0</b>	<b>PHARMA PLUS DRUGS LTD. 31-672 1910 ST. LAURENT BLVD., OTTAWA C/O 5935 AIRPORT ROAD STE. 500 MISSISSAUGA ON K1G 1A4</b>	<b>GEN</b>
				Generator #: Approval Yrs: SIC Code: SIC Description:	
				ON1553319 94,95,96 6031 PHARMACIES	
				--- Details --- Waste Code: Waste Description:	
				261 PHARMACEUTICALS	
				+ Waste Code: Waste Description:	
				312 PATHOLOGICAL WASTES	
<a href="#">29</a>	<b>9 of 40</b>	<b>NNW/228.3</b>	<b>77.0</b>	<b>2058280 Ontario Limited 1910 St. Laurent Boulevard Ottawa ON K1G 1A4</b>	<b>GEN</b>
				Generator #: Approval Yrs: SIC Code: SIC Description:	
				ON6986798 2011 525930	
				--- Details --- Waste Code: Waste Description:	
				241 HALOGENATED SOLVENTS	
<a href="#">29</a>	<b>10 of 40</b>	<b>NNW/228.3</b>	<b>77.0</b>	<b>CANDACE DRY CLEANERS, 888265 ONTARIO LTD 1910 ST. LAURENT BLVD. OTTAWA ON K1G 1A4</b>	<b>GEN</b>

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Generator #:		ON1454601			
Approval Yrs:		92,93,97,98			
SIC Code:		9721			
SIC Description:		POWER LAUND./CLEANER			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">29</a>	11 of 40	NNW/228.3	77.0	FUJI IMAGE PLAZA W.P.I. SUPPLY LIMITED 1910 ST. LAURENT BOULEVARD ELMVALE PLAZA OTTAWA ON K1G 1A4	GEN
Generator #:		ON1144400			
Approval Yrs:		99,00,01			
SIC Code:		6571			
SIC Description:		CAMERA/PHOTO. SUPPLY			
--- Details ---					
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
<a href="#">29</a>	12 of 40	NNW/228.3	77.0	CANDACE DRY CLEANERS, 888265 40-263 ONTARIO INC. ELMVALE ACRES SHOPPING CENTRE, 1910 ST. LAURENT BLVD. OTTAWA ON K1G 1A4	GEN
Generator #:		ON1454601			
Approval Yrs:		94,95,96			
SIC Code:		9721			
SIC Description:		POWER LAUND./CLEANER			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">29</a>	13 of 40	NNW/228.3	77.0	2058280 Ontario Limited 1910 St. Laurent Boulevard Ottawa ON K1G 1A4	GEN
Generator #:		ON6986798			
Approval Yrs:		2010			
SIC Code:		525930			
SIC Description:					
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">29</a>	14 of 40	NNW/228.3	77.0	FUJI IMAGE PLAZA W.P.I. SUPPLY LTD15-343 1910 ST. LAURENT BLVD. ELMVALE PLAZA OTTAWA ON K1G 1A4	GEN



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Generator #:		ON1144400			
Approval Yrs:		92,93,94,95,96			
SIC Code:		6571			
SIC Description:		CAMERA/PHOTO. SUPPLY			
--- Details ---					
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
<a href="#">29</a>	15 of 40	NNW/228.3	77.0	2058280 Ontario Ltd. 1910 St. Laurent Blvd. Ottawa ON K1G 1A4	GEN
Generator #:		ON8484300			
Approval Yrs:		04,05			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">29</a>	16 of 40	NNW/228.3	77.0	FUJI IMAGE PLAZA W.P.I. SUPPLY LTD 1910 ST. LAURENT BLVD. ELMVALE PLAZA OTTAWA ON K1G 1A4	GEN
Generator #:		ON1144400			
Approval Yrs:		89,97,98			
SIC Code:		6571			
SIC Description:		CAMERA/PHOTO. SUPPLY			
--- Details ---					
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
<a href="#">29</a>	17 of 40	NNW/228.3	77.0	205 8280 Ontario Limited 1910 St. Laurent Boulevard Ottawa ON K1G 1A4	GEN
Generator #:		ON6986798			
Approval Yrs:		06,07,08			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">29</a>	18 of 40	NNW/228.3	77.0	V.I.P. DRYCLE(SEE & USE ON1454601)46- 263 1910 ST. LAURENT BLVD. OTTAWA ON K1G 1A4	GEN
Generator #:		ON1237702			
Approval Yrs:		92,93,94,95,96,97,98			
SIC Code:		9721			
SIC Description:		POWER LAUND./CLEANER			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
	Waste Code:	241			
	Waste Description:	HALOGENATED SOLVENTS			
<a href="#">29</a>	19 of 40	NNW/228.3	77.0	2058280 Ontario Limited 1910 St. Laurent Boulevard Ottawa ON K1G 1A4	GEN
	Generator #:	ON6986798			
	Approval Yrs:	As of April 2014			
	SIC Code:				
	SIC Description:				
--- Details ---					
	Waste Code:	241			
	Waste Description:	Halogenated solvents and residues			
<a href="#">29</a>	20 of 40	NNW/228.3	77.0	CAREMEDICS ELMVALE INC. 1910 St. Laurent Blvd OTTAWA ON K1G 1A4	GEN
	Generator #:	ON5058871			
	Approval Yrs:	2010			
	SIC Code:	621110			
	SIC Description:	Offices of Physicians			
--- Details ---					
	Waste Code:	312			
	Waste Description:	PATHOLOGICAL WASTES			
<a href="#">29</a>	21 of 40	NNW/228.3	77.0	CANDACE DRY CLEANERS 1910 ST. LAURENT BOULEVARD OTTAWA ON K1G 1A4	GEN
	Generator #:	ON1454601			
	Approval Yrs:	99,00,01			
	SIC Code:	9721			
	SIC Description:	POWER LAUND./CLEANERS			
--- Details ---					
	Waste Code:	241			
	Waste Description:	HALOGENATED SOLVENTS			
<a href="#">29</a>	22 of 40	NNW/228.3	77.0	CAREMEDICS ELMVALE INC. 1910 St. Laurent Blvd OTTAWA ON K1G 1A4	GEN
	Generator #:	ON5058871			
	Approval Yrs:	2012			
	SIC Code:	621110			
	SIC Description:	Offices of Physicians			
--- Details ---					
	Waste Code:	312			
	Waste Description:	PATHOLOGICAL WASTES			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">29</a>	23 of 40	NNW/228.3	77.0	205 8280 Ontario Limited 1910 St. Laurent Boulevard Ottawa ON K1G 1A4	GEN
Generator #:		ON6986798			
Approval Yrs:		2009			
SIC Code:		525930			
SIC Description:					
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">29</a>	24 of 40	NNW/228.3	77.0	2058280 Ontario Limited 1910 St. Laurent Boulevard Ottawa ON K1G 1A4	GEN
Generator #:		ON6986798			
Approval Yrs:		2012			
SIC Code:		525930			
SIC Description:					
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">29</a>	25 of 40	NNW/228.3	77.0	PHARMA PLUS DRUGS LTD. 1910 ST. LAURENT BOULEVARD OTTAWA ON K1G 1A4	GEN
Generator #:		ON1553319			
Approval Yrs:		98,99,00,01			
SIC Code:		6031			
SIC Description:		PHARMACIES			
--- Details ---					
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
+					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">29</a>	26 of 40	NNW/228.3	77.0	PHARMA PLUS DRUGS LTD 1910 ST. LAURENT BOULEVARD OTTAWA ON K1G 1A4	GEN
Generator #:		ON1553319			
Approval Yrs:		92,93,97			
SIC Code:		6031			
SIC Description:		PHARMACIES			
--- Details ---					
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
+					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">29</a>	27 of 40	NNW/228.3	77.0	W.P.I. SUPPLY LIMITED 1910 St. Laurent Blvd. #40 Ottawa ON K1G 1A4	GEN
Generator #:		ON1144400			
Approval Yrs:		02,03,04			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
<a href="#">29</a>	28 of 40	NNW/228.3	77.0	ELMVALE ACRES HOME HARDWARE 769564 ONTARIO INC 1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	PES
Licence No.:		Vendor			
Licence Type:					
<a href="#">29</a>	29 of 40	NNW/228.3	77.0	ELMVALE ACRES HOME HARDWARE / DUBIEN HARDWARE CORP. 24 - 1910 ST. LAURENT BLVD OTTAWA ON K1G 1A4	PES
Licence No.:		23-01-16013-0			
Licence Type:		LIMITED			
<a href="#">29</a>	30 of 40	NNW/228.3	77.0	ELMVALE ACRES HOME HARDWARE / DUBIEN HARDWARE CORP. 24 - 1910 ST. LAURENT BLVD OTTAWA ON K1G 1A4	PES
Licence No.:		Vendor			
Licence Type:					
<a href="#">29</a>	31 of 40	NNW/228.3	77.0	ELMVALE ACRES HOME HARDWARE 769564 ONTARIO INC. 1910 ST. LAURENT BLVD. OTTAWA ON K1G 1A4	PES
Licence No.:		Vendor			
Licence Type:					
<a href="#">29</a>	32 of 40	NNW/228.3	77.0	LOBLAWS COMPANIES EAST #1200 1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	PES
Licence No.:		Vendor			
Licence Type:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">29</a>	33 of 40	NNW/228.3	77.0	LOBLAWS SUPERMARKTS LTD #1200 1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	PES
Licence No.:		Vendor			
Licence Type:					
<a href="#">29</a>	34 of 40	NNW/228.3	77.0	ELMVALE ACRES HOME HARDWARE 769564 ONTARIO INC 1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	PES
Licence No.:		23-01-09243-0			
Licence Type:		Limited Vendor			
<a href="#">29</a>	35 of 40	NNW/228.3	77.0	LOBLAWS COMPANIES EAST #1200 1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	PES
Licence No.:		Limited Vendor			
Licence Type:					
<a href="#">29</a>	36 of 40	NNW/228.3	77.0	LOBLAW SUPERMARKET #1200 1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	PES
Licence No.:		Vendor			
Licence Type:					
<a href="#">29</a>	37 of 40	NNW/228.3	77.0	LOBLAW SUPERMARKETS LTD. STORE NO. 200-2 1910 ST. LAURENT BLVD. OTTAWA ON K1G 1A4	PES
Licence No.:		Vendor			
Licence Type:					
<a href="#">29</a>	38 of 40	NNW/228.3	77.0	LOBLAWS SUPERMARKTS LTD #1200 1910 ST LAURENT BLVD OTTAWA ON K1G 1A4	PES
Licence No.:		23-01-12332-0			
Licence Type:		Limited Vendor			
<a href="#">29</a>	39 of 40	NNW/228.3	77.0	ITN Food corp<UNOFFICIAL> 1910 St. Laurent St. ELMAVALE ACRES SHOPPING CENTRA<UNOFFICIAL> Ottawa ON K1G 1A4	SPL
Ref No.:		7683-6LR33K			
Incident Dt:		2/5/2006			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
MOE Reported Dt:		2/5/2006			
Contaminant Name:		DIESEL FUEL			
Contaminant Quantity:		70 L			
Incident Summary:		MV diesel spill to CB and gnd: 1910 St. Laurent, Ottawa			
Incident Cause:		Other Transport Accident			
Incident Reason:		Other - Reason not otherwise defined			
Nature of Impact:		Soil Contamination			
Receiving Medium:		Land			
Environmental Impact:		Not Anticipated			

<a href="#"><u>29</u></a>	<b>40 of 40</b>	<b>NNW/228.3</b>	<b>77.0</b>	<b>Hydro Ottawa Limited ELMVALE SHOPPING CENTRE - 1910 ST.LAURENT BLVD.&lt;UNOFFICIAL&gt; Ottawa ON K1G 1A4</b>	<b>SPL</b>
Ref No.:		1678-5ZQJJ2			
Incident Dt:		6/7/2004			
MOE Reported Dt:		6/7/2004			
Contaminant Name:		TRANSFORMER OIL (N.O.S.)			
Contaminant Quantity:		100 L			
Incident Summary:		Hydro One,100 L transformer oil to land,cleaning			
Incident Cause:		Valve / Fitting Leak Or Failure			
Incident Reason:		Equipment Failure			
Nature of Impact:		Soil Contamination			
Receiving Medium:		Land			
Environmental Impact:		Not Anticipated			

<a href="#"><u>30</u></a>	<b>1 of 4</b>	<b>SSE/215.8</b>	<b>76.4</b>	<b>QUICKIE CONVENIENCE STORES LARNY LTD 1030 PLEASANT PARK RD OTTAWA ON K1G 2A1</b>	<b>FST</b>
Instance Number:		11341521			
Cont Name:					
Instance Type:		FS Liquid Fuel Tank			
Fuel Type:		Gasoline			
Status:		Active			
Capacity:		22700			
Tank Material:		Fiberglass (FRP)			
Corrosion Protection:		Fiberglass			
Tank Type:		Single Wall UST			
Install Year:		1989			
Parent Facility Type:		FS Gasoline Station - Self Serve			
Facility Type:		FS Liquid Fuel Tank			

<a href="#"><u>30</u></a>	<b>2 of 4</b>	<b>SSE/215.8</b>	<b>76.4</b>	<b>QUICKIE CONVENIENCE STORES LARNY LTD 1030 PLEASANT PARK RD OTTAWA ON K1G 2A1</b>	<b>FST</b>
Instance Number:		11341477			
Cont Name:					
Instance Type:		FS Liquid Fuel Tank			
Fuel Type:		Gasoline			
Status:		Active			
Capacity:		22700			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Tank Material: Fiberglass (FRP) Corrosion Protection: Fiberglass Tank Type: Single Wall UST Install Year: 1989 Parent Facility Type: FS Gasoline Station - Self Serve Facility Type: FS Liquid Fuel Tank					
<a href="#">30</a>	3 of 4	SSE/215.8	76.4	<b>QUICKIE CONVENIENCE STORES LARNY LTD</b> <b>1030 PLEASANT PARK RD</b> <b>OTTAWA ON K1G 2A1</b>	FST
Instance Number: 11341528 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline Status: Active Capacity: 22700 Tank Material: Fiberglass (FRP) Corrosion Protection: Fiberglass Tank Type: Single Wall UST Install Year: 1989 Parent Facility Type: FS Gasoline Station - Self Serve Facility Type: FS Liquid Fuel Tank					
<a href="#">30</a>	4 of 4	SSE/215.8	76.4	<b>QUICKIE CONVENIENCE STORES LARNY LTD</b> <b>1030 PLEASANT PARK RD</b> <b>OTTAWA ON K1G 2A1</b>	FST
Instance Number: 11341501 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline Status: Active Capacity: 22700 Tank Material: Fiberglass (FRP) Corrosion Protection: Fiberglass Tank Type: Single Wall UST Install Year: 1989 Parent Facility Type: FS Gasoline Station - Self Serve Facility Type: FS Liquid Fuel Tank					
<a href="#">31</a>	1 of 3	SSE/216.7	76.7	<b>QUICKIE CONVENIENCE STORES LARNY LTD</b> <b>1030 PLEASANT PARK RD</b> <b>OTTAWA ON K1G 2A1</b>	FSTH
License Issue Date: 3/8/2002 Tank Status: Licensed Tank Status As Of: August 2007 Operation Type: Retail Fuel Outlet Facility Type: Gasoline Station - Self Serve  --- Details --- Status: Active Capacity: 22700					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Year of Installation: 1989 Corrosion Protection: Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline + Status: Active Capacity: 22700 Year of Installation: 1998 Corrosion Protection: Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline + Status: Active Capacity: 22700 Year of Installation: 1989 Corrosion Protection: Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline + Status: Active Capacity: 22700 Year of Installation: 1989 Corrosion Protection: Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline					
<a href="#">31</a>	2 of 3	SSE/216.7	76.7	<b>QUICKIE CONVENIENCE STORES LARNY LTD</b> <b>1030 PLEASANT PARK RD</b> <b>OTTAWA ON K1G 2A1</b>	<b>FSTH</b>
License Issue Date: 3/8/2002 Tank Status: Licensed Tank Status As Of: December 2008 Operation Type: Retail Fuel Outlet Facility Type: Gasoline Station - Self Serve  --- Details --- Status: Active Capacity: 22700 Year of Installation: 1989 Corrosion Protection: Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline + Status: Active Capacity: 22700 Year of Installation: 1998 Corrosion Protection: Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline + Status: Active Capacity: 22700 Year of Installation: 1989 Corrosion Protection: Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline + Status: Active Capacity: 22700 Year of Installation: 1989 Corrosion Protection: Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline					
<a href="#">31</a>	3 of 3	SSE/216.7	76.7	<b>QUICKIE CONVENIENCE STORES LARNY LTD</b>	<b>PRT</b>



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
				<b>1030 PLEASANT PK OTTAWA ON K1G2A1</b>	
Location ID:		11041			
Type:		retail			
Expiry Date:		1996-03-31			
Capacity (L):		5000			
Licence #:		0053260001			
<b><u>32</u></b>	<b>1 of 1</b>	<b>N/232.4</b>	<b>76.0</b>	<b>1917 and 1919 St. Laurent Blvd. Ottawa ON K1G 3S6</b>	<b>EHS</b>
Order No.:		20090820012			
Report Date:		8/27/2009			
Report Type:		Custom Report			
Search Radius (km):		0.25			
Addit. Info Ordered:					
<b><u>33</u></b>	<b>1 of 1</b>	<b>N/233.3</b>	<b>75.4</b>	<b>ON</b>	<b>BORE</b>
Borehole ID:	614932			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	451251			Northing:	5027602
Location Accuracy:				Orig. Ground Elev m:	78.3
Elev. Reliability Note:				DEM Ground Elev m:	78.9
Total Depth m:	-999			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	FEB-1973			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218399816			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	UNSPECIFIED.
+					
Stratum ID:	218399817			Top Depth(m):	0.3
Bottom Depth(m):	3.0			Stratum Desc:	CLAY. BROWN,GREY,VERY STIFF TO HARD,FISSURED.
+					
Stratum ID:	218399818			Top Depth(m):	3.0
Bottom Depth(m):	3.8			Stratum Desc:	CLAY. BROWN,GREY,VERY STIFF.
+					
Stratum ID:	218399819			Top Depth(m):	3.8
Bottom Depth(m):	5.3			Stratum Desc:	CLAY. BROWN,GREY, STIFF TO VERY STIFF.
+					
Stratum ID:	218399820			Top Depth(m):	5.3
Bottom Depth(m):	6.9			Stratum Desc:	CLAY. GREY,STIFF,FISSURED.
+					
Stratum ID:	218399821			Top Depth(m):	6.9
Bottom Depth(m):	10.2			Stratum Desc:	CLAY. GREY,STIFF.
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Stratum ID:	218399822			Top Depth(m):	10.2
Bottom Depth(m):	11.1			Stratum Desc:	UNSPECIFIED. DENSE.
+					
Stratum ID:	218399823			Top Depth(m):	11.1
Bottom Depth(m):	12.3			Stratum Desc:	UNSPECIFIED. VERY DENSE.
+					
Stratum ID:	218399824			Top Depth(m):	12.3
Bottom Depth(m):				Stratum Desc:	BEDROCK.00010 042 00100 027 00125 043 00175 065 00225 055 00335 011 00365

**34**      **1 of 1**                      **N/241.9**      **75.7**                      **1917 ST LAURENT BLVD**                      **EHS**  
**OTTAWA ON K1G 3S6**

Order No.: 20060328007  
Report Date: 4/5/2006  
Report Type: Basic Report  
Search Radius (km): 0.25  
Addit. Info Ordered:

**35**      **1 of 1**                      **WNW/246.5**      **77.0**                      **ON**                      **BORE**

Borehole ID:	614929	Type:	Borehole
Use:		Status:	
Drill Method:		UTM Zone:	18
Easting:	450941	Northing:	5027472
Location Accuracy:		Orig. Ground Elev m:	77.6
Elev. Reliability Note:		DEM Ground Elev m:	76.7
Total Depth m:	-999	Primary Name:	
Township:		Concession:	
Lot:		Municipality:	
Completion Date:		Static Water Level:	-999.9
Primary Water Use:		Sec. Water Use:	

--- Details ---

Stratum ID:	218399807	Top Depth(m):	0.0
Bottom Depth(m):	1.1	Stratum Desc:	SILT.
+			
Stratum ID:	218399808	Top Depth(m):	1.1
Bottom Depth(m):	3.8	Stratum Desc:	CLAY. HARD.
+			
Stratum ID:	218399809	Top Depth(m):	3.8
Bottom Depth(m):		Stratum Desc:	CLAY. SOFT. WN,GREY,LOOSE. CLAY. SOFT. CLAY. GREY,SOFT. CLAY. UNSPECIFIED. DENSE. BEDR

# Unplottable Summary

DB	Company Name/Site Name	Address	City	Postal
CA		St. Laurent Boulevard	Ottawa ON	
CA	Donald Street to Easement	St. Laurent Boulevard	Ottawa ON	
CA	Melron Property Enterprises Inc.	Part of Lot 15 Junction Gore	Ottawa ON	
CA	City of Ottawa	Part of Lot 15, Gore Junction	Ottawa ON	
CA	R.M. OF OTTAWA-CARLETON	S.E.TRANSITWAY/PLEASANT PK.RD.	OTTAWA CITY ON	
CA	OTTAWA CITY (I. BHATIA)	RUSSELL AVE.	OTTAWA CITY ON	
CA	GIL BERN CHARLES CORPORATION LIMITED	ST. LAURENT BLVD.	OTTAWA CITY ON	
CA	GIL BERN CHARLES CORPORATION LIMITED	ST. LAURENT BLVD.	OTTAWA CITY ON	
CA	OTTAWA CITY OTTAWA BUS. PK PH. IV	ST. LAURENT BLVD.	OTTAWA CITY ON	
CA	OTTAWA-CARLETON REGIONAL TRANSIT COMM.	ST. LAURENT BLVD.	OTTAWA CITY ON	
CA	OTTAWA-CARLETON REGIONAL TRANSIT COMM.	ST. LAURENT BLVD.	OTTAWA CITY ON	
CA	RICHCRAFT HOMES OTTAWA BUSINESS PARK	ST. LAURENT BLVD.	OTTAWA CITY ON	
CA	OTTAWA-CARLETON REG. HOUSING AUTHORITY	ST. LAURENT BOULEVARD	OTTAWA CITY ON	
CA	MINISTRY OF GOVERNMENT SERVICES	ST. LAURENT BLVD.OTTAWA BUS.PK	OTTAWA CITY ON	
CA	COLONNADE DEVELOPMENT INC.	ST. LAURENT BLVD. OTTAWA BUS.	OTTAWA CITY ON	
CA	COLONNADE DEVELOPMENT INC.	ST. LAURENT BLVD. OTTAWA BUS.	OTTAWA CITY ON	

CA	CITY	ST. LAURENT BLVD. EXT.	OTTAWA ON
CA	CITY	ST. LAURENT BLVD. EXT.	OTTAWA ON
CA	OTTAWA CITY ST. LAURENT BLVD.	ST. LAURENT BLVD. BUS.PK PH.IV	OTTAWA CITY ON
CA	R.M. OF OTTAWA- CARLETON, CONROY ROAD	ST. LAURENT BLVD.	OTTAWA CITY ON
CA	RICHCRAFT HOMES OTTAWA BUSINESS PARK	ST. LAURENT BLVD.	OTTAWA CITY ON
GEN	SPIC & SPAN-VALETOR- CASH CLEANERS		OTTAWA ON
SPL	BFI Canada Inc.		Ottawa ON
SPL	BFI Canada Inc.		Ottawa ON
SPL	ONTARIO HYDRO	ST. LAURENT SHOPPING CENTRE, ST. LAURENTBLVD.	OTTAWA CITY ON
SPL	UNKNOWN	CYRVILLE DRAIN ON ST. LAURENT BLVD.	OTTAWA CITY ON
SPL	GRW PETROLEUM LIMITED	SUNY'S GAS BAR	OTTAWA CITY ON
SPL	TEXACO	TEXACO SERVICE STATION AT CORNER OF ST. LAURENT BLVD., OGILVY RD	OTTAWA CITY ON
SPL	OC TRANSP	ST. LAURENT BLVD FOR 1/2 KM FROM BOURASA ST UP TO SMYTH RD.	OTTAWA CITY ON
SPL	UNKNOWN	MICHAEL CREEK (SEWER OUTFALL AT ST LAURENT BLVD)	OTTAWA CITY ON
SPL	ONTARIO HYDRO	RUSSELL ROAD RIVERDALE JUNCTION TRANSFORMER STN	OTTAWA CITY ON
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# Unplottable Report

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**Site:** **St. Laurent Boulevard Ottawa ON**

**Database:**  
**CA**

Certificate #: 7347-5DELJN  
Application Year: 02  
Issue Date: 8/28/02  
Approval Type: Municipal & Private water  
Status: Approved  
Application Type: New Certificate of Approval  
Client Name: City of Ottawa  
Client Address: 1495 Heron Road  
Client City: Ottawa  
Client Postal Code: K1V 6A6  
Project Description: Approval is sought for the construction of watermains on St. Laurent Boulevard, and Sandridge Road.  
Contaminants:  
Emission Control:

---

**Site:** **Donald Street to Easement  
St. Laurent Boulevard Ottawa ON**

**Database:**  
**CA**

Certificate #: 2225-4KFR7G  
Application Year: 00  
Issue Date: 5/23/00  
Approval Type: Municipal & Private sewage  
Status: Approved  
Application Type: New Certificate of Approval  
Client Name: Corporation of the City of Ottawa  
Client Address: 111 Sussex Drive, 7th Floor  
Client City: Ottawa  
Client Postal Code: K1N 5A1  
Project Description: Construction of a Sanitary Sewer in St. Laurent Blvd. from Donald Street to Easement  
Contaminants:  
Emission Control:

---

**Site:** **Melron Property Enterprises Inc.  
Part of Lot 15 Junction Gore Ottawa ON**

**Database:**  
**CA**

Certificate #: 6154-5JWM4C  
Application Year: 2003  
Issue Date: 2/24/2003  
Approval Type: Municipal and Private Sewage Works  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

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**Site:** **City of Ottawa**  
**Part of Lot 15, Gore Junction Ottawa ON**

**Database:**  
**CA**

Certificate #: 5759-6BUQTB  
Application Year: 2005  
Issue Date: 5/16/2005  
Approval Type: Air  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** **R.M. OF OTTAWA-CARLETON**  
**S.E.TRANSITWAY/PLEASANT PK.RD. OTTAWA CITY ON**

**Database:**  
**CA**

Certificate #: 3-0398-96-  
Application Year: 96  
Issue Date: 5/3/1996  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** **OTTAWA CITY (I. BHATIA)**  
**RUSSELL AVE. OTTAWA CITY ON**

**Database:**  
**CA**

Certificate #: 3-1218-86-  
Application Year: 86  
Issue Date: 8/22/1986  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** **GIL BERN CHARLES CORPORATION LIMITED**  
**ST. LAURENT BLVD. OTTAWA CITY ON**

**Database:**  
**CA**

Certificate #: 3-0530-87-

Application Year: 87  
Issue Date: 5/14/1987  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** GIL BERN CHARLES CORPORATION LIMITED  
ST. LAURENT BLVD. OTTAWA CITY ON

**Database:**  
CA

Certificate #: 7-0436-87-  
Application Year: 87  
Issue Date: 5/14/1987  
Approval Type: Municipal water  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** OTTAWA CITY OTTAWA BUS. PK PH. IV  
ST. LAURENT BLVD. OTTAWA CITY ON

**Database:**  
CA

Certificate #: 7-0744-88-  
Application Year: 88  
Issue Date: 6/30/1988  
Approval Type: Municipal water  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** OTTAWA-CARLETON REGIONAL TRANSIT COMM.  
ST. LAURENT BLVD. OTTAWA CITY ON

**Database:**  
CA

Certificate #: 7-0207-89-  
Application Year: 89  
Issue Date: 3/7/1989  
Approval Type: Municipal water  
Status: Approved  
Application Type:  
Client Name:  
Client Address:



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

---

**Site:** OTTAWA-CARLETON REGIONAL TRANSIT COMM.  
ST. LAURENT BLVD. OTTAWA CITY ON

**Database:**  
CA

Certificate #: 3-0233-89-  
Application Year: 89  
Issue Date: 3/7/1989  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** RICHCRAFT HOMES OTTAWA BUSINESS PARK  
ST. LAURENT BLVD. OTTAWA CITY ON

**Database:**  
CA

Certificate #: 3-2055-88-  
Application Year: 88  
Issue Date: 10/28/1988  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** OTTAWA-CARLETON REG. HOUSING AUTHORITY  
ST. LAURENT BOULEVARD OTTAWA CITY ON

**Database:**  
CA

Certificate #: 7-1421-91-  
Application Year: 91  
Issue Date: 11/14/1991  
Approval Type: Municipal water  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** **MINISTRY OF GOVERNMENT SERVICES**  
**ST. LAURENT BLVD. OTTAWA BUS. PK OTTAWA CITY ON**

**Database:**  
**CA**

Certificate #: 3-1598-89-  
Application Year: 89  
Issue Date: 8/10/1989  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** **COLONNADE DEVELOPMENT INC.**  
**ST. LAURENT BLVD. OTTAWA BUS. OTTAWA CITY ON**

**Database:**  
**CA**

Certificate #: 7-0783-89-  
Application Year: 89  
Issue Date: 5/26/1989  
Approval Type: Municipal water  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** **COLONNADE DEVELOPMENT INC.**  
**ST. LAURENT BLVD. OTTAWA BUS. OTTAWA CITY ON**

**Database:**  
**CA**

Certificate #: 3-0911-89-  
Application Year: 89  
Issue Date: 5/26/1989  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** **CITY**  
**ST. LAURENT BLVD. EXT. OTTAWA ON**

**Database:**  
**CA**

Certificate #: 7-0164-85-006  
Application Year: 85  
Issue Date: 3/29/85  
Approval Type: Municipal water

Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** CITY  
ST. LAURENT BLVD. EXT. OTTAWA ON

**Database:**  
CA

Certificate #: 3-0206-85-006  
Application Year: 85  
Issue Date: 3/21/85  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** OTTAWA CITY ST. LAURENT BLVD.  
ST. LAURENT BLVD. BUS.PK PH.IV OTTAWA CITY ON

**Database:**  
CA

Certificate #: 3-0861-88-  
Application Year: 88  
Issue Date: 6/30/1988  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** R.M. OF OTTAWA-CARLETON, CONROY ROAD  
ST. LAURENT BLVD. OTTAWA CITY ON

**Database:**  
CA

Certificate #: 7-0635-88-  
Application Year: 88  
Issue Date: 5/13/1988  
Approval Type: Municipal water  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:

Contaminants:  
Emission Control:

---

**Site:** RICHCRAFT HOMES OTTAWA BUSINESS PARK  
ST. LAURENT BLVD. OTTAWA CITY ON

**Database:**  
CA

Certificate #: 7-1739-88-  
Application Year: 88  
Issue Date: 10/28/1988  
Approval Type: Municipal water  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** SPIC & SPAN-VALETOR-CASH CLEANERS  
OTTAWA ON

**Database:**  
GEN

Generator #: ON0573400  
Approval Yrs: 86,87,88  
SIC Code: 9721  
SIC Description: POWER LAUND./CLEANERS

--- Details ---

Waste Code: 241  
Waste Description: HALOGENATED SOLVENTS

---

**Site:** BFI Canada Inc.  
Ottawa ON

**Database:**  
SPL

Ref No.: 2425-99MMAQ  
Incident Dt: 2013/07/15  
MOE Reported Dt: 2013/07/15  
Contaminant Name: STEERING FLUID  
Contaminant Quantity: 20 L  
Incident Summary: BFI: 20 L power steering fluid to pkg lot & grass  
Incident Cause: Leak/Break  
Incident Reason: Unknown / N/A  
Nature of Impact: Soil Contamination  
Receiving Medium:  
Environmental Impact: Confirmed

---

**Site:** BFI Canada Inc.  
Ottawa ON

**Database:**  
SPL

Ref No.: 4858-8RNJ5C  
Incident Dt: 20-FEB-12  
MOE Reported Dt: 20-FEB-12  
Contaminant Name: HYDRAULIC OIL  
Contaminant Quantity:  
Incident Summary: BFI: 50 L hydraulic oil to street & CB  
Incident Cause: Pipe Or Hose Leak

Incident Reason: Spill  
Nature of Impact: Other Impact(s)  
Receiving Medium: Sewage - Municipal/Private and Commercial  
Environmental Impact: Confirmed

---

**Site:** **ONTARIO HYDRO**  
**ST. LAURENT SHOPPING CENTRE, ST. LAURENTBLVD. OTTAWA CITY ON**

**Database:**  
**SPL**

Ref No.: 4477  
Incident Dt: 5/30/1988  
MOE Reported Dt: 5/30/1988  
Contaminant Name:  
Contaminant Quantity:  
Incident Summary: ONTARIO HYDRO-4.8 L 65% PCB OIL TO PAVEMENT  
Incident Cause: OTHER CONTAINER LEAK  
Incident Reason: UNKNOWN  
Nature of Impact:  
Receiving Medium: LAND  
Environmental Impact:

---

**Site:** **UNKNOWN**  
**CYRVILLE DRAIN ON ST. LAURENT BLVD. OTTAWA CITY ON**

**Database:**  
**SPL**

Ref No.: 99788  
Incident Dt: //  
MOE Reported Dt: 5/12/1994  
Contaminant Name:  
Contaminant Quantity:  
Incident Summary: FAIR AMOUNT OF FUEL OIL INTO DRAIN,SOURCE UNKNOWNMOEE WILL NOTIFY WORKS  
Incident Cause: UNKNOWN  
Incident Reason: UNKNOWN  
Nature of Impact: Water course or lake  
Receiving Medium: LAND  
Environmental Impact: POSSIBLE

---

**Site:** **GRW PETROLEUM LIMITED**  
**SUNY'S GAS BAR OTTAWA CITY ON**

**Database:**  
**SPL**

Ref No.: 39878  
Incident Dt: 8/27/1990  
MOE Reported Dt: 8/27/1990  
Contaminant Name:  
Contaminant Quantity:  
Incident Summary: GRW - 10 L OF DIESEL FUELTO PAVEMENT WHEN TANK WASOVERFILLED.  
Incident Cause: PIPE/HOSE LEAK  
Incident Reason: ERROR  
Nature of Impact:  
Receiving Medium: LAND  
Environmental Impact: NOT ANTICIPATED

---

**Site:** **TEXACO**  
**TEXACO SERVICE STATION AT CORNER OF ST. LAURENT BLVD., OGILVY RD OTTAWA CITY ON**

**Database:**  
**SPL**

Ref No.: 27561  
Incident Dt: 11/8/1989

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MOE Reported Dt: 11/8/1989  
Contaminant Name:  
Contaminant Quantity:  
Incident Summary: TEXACO SERVICE CENTRE - UNKNOWN AMOUNT OF DIESEL & GASOLINE TO LAND  
Incident Cause: UNDERGROUND TANK LEAK  
Incident Reason: EQUIPMENT FAILURE  
Nature of Impact:  
Receiving Medium: LAND  
Environmental Impact:

---

**Site:** OC TRANSP  
ST. LAURENT BLVD FOR 1/2 KM FROM BOURASA ST UP TO SMYTH RD. OTTAWA CITY ON

**Database:**  
SPL

Ref No.: 224217  
Incident Dt: 4/19/2002  
MOE Reported Dt: 4/19/2002  
Contaminant Name:  
Contaminant Quantity:  
Incident Summary: OC TRANSP-90 L DIESEL ALONG RD FOR 1/2 KM,SEWERMATIC CLEANED UP.  
Incident Cause: OTHER CONTAINER LEAK  
Incident Reason: EQUIPMENT FAILURE  
Nature of Impact:  
Receiving Medium: LAND  
Environmental Impact: NOT ANTICIPATED

---

**Site:** UNKNOWN  
MICHAEL CREEK (SEWER OUTFALL AT ST LAURENT BLVD) OTTAWA CITY ON

**Database:**  
SPL

Ref No.: 120511  
Incident Dt: 11/7/1995  
MOE Reported Dt: 11/7/1995  
Contaminant Name:  
Contaminant Quantity:  
Incident Summary: UNK SRCE-UNK QTY DIESEL TO MICHAEL CREEK FROM OUT-FALL. OTTAWA W/D BOOMED.  
Incident Cause: UNKNOWN  
Incident Reason: UNKNOWN  
Nature of Impact: Water course or lake  
Receiving Medium: WATER  
Environmental Impact: CONFIRMED

---

**Site:** ONTARIO HYDRO  
RUSSELL ROAD RIVERDALE JUNCTION TRANSFORMER STN OTTAWA CITY ON

**Database:**  
SPL

Ref No.: 40706  
Incident Dt: 9/13/1990  
MOE Reported Dt: 9/13/1990  
Contaminant Name:  
Contaminant Quantity:  
Incident Summary: ONTARIO HYDRO - 100 LTR OF HYDRAULIC OIL TO THE GROUND.  
Incident Cause: PIPE/HOSE LEAK  
Incident Reason: UNKNOWN  
Nature of Impact: Soil contamination  
Receiving Medium: LAND  
Environmental Impact: POSSIBLE

**Site:**  
**ON**

**Database:**  
**WWIS**

Well ID:	1526648	Lot:	015
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	OTTAWA CITY
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Not Used	Construction Date:	13-AUG-92
Sec. Water Use:		Well Depth:	31 ft
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Test Hole
Construction Method:	Not Known	Flowing (y/n):	
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	Overburden
Water Type:	FRESH	Casing Material:	Not stated
--- Details ---			
Thickness:	GREY	Original Depth:	31 ft
Material Colour:	CLAY, FINE SAND, SILT	Material:	27 ft
+			
Thickness:	GREY	Original Depth:	1 ft
Material Colour:	UNKNOWN TYPE	Material:	1 ft
+			
Thickness:	GREY	Original Depth:	4 ft
Material Colour:	STONES, PACKED, FILL	Material:	3 ft

**Site:**  
**ON**

**Database:**  
**WWIS**

Well ID:	1526642	Lot:	015
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	OTTAWA CITY
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Not Used	Construction Date:	17-AUG-92
Sec. Water Use:		Well Depth:	305 ft
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Test Hole
Construction Method:	Not Known	Flowing (y/n):	
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	Overburden
Water Type:	FRESH	Casing Material:	Not stated

--- Details ---

Thickness:	GREY	Original Depth:	305 ft
Material Colour:	CLAY, SILT, DENSE	Material:	303 ft
+			
Thickness:	GREY	Original Depth:	2 ft
Material Colour:	STONES	Material:	2 ft

**Site:**  
**ON**

**Database:**  
**WWIS**

Well ID:	1526640	Lot:	015
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	OTTAWA CITY
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Not Used	Construction Date:	18-AUG-92
Sec. Water Use:		Well Depth:	35 ft
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Test Hole
Construction Method:	Not Known	Flowing (y/n):	
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	Overburden
Water Type:	FRESH	Casing Material:	Not stated

--- Details ---

Thickness:	GREY	Original Depth:	3 ft
Material Colour:	STONES, SAND	Material:	3 ft
+			
Thickness:	GREY	Original Depth:	35 ft
Material Colour:	CLAY, SILT, DENSE	Material:	32 ft

**Site:**  
**ON**

**Database:**  
**WWIS**

Well ID:	1526653	Lot:	015
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	OTTAWA CITY
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Not Used	Construction Date:	19-AUG-92
Sec. Water Use:		Well Depth:	32 ft
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Test Hole
Construction Method:	Not Known	Flowing (y/n):	
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	Overburden



Water Type: FRESH Casing Material: Not stated

--- Details ---

Thickness: BROWN Original Depth: 6 ft  
Material Colour: FINE SAND, FILL Material: 6 ft  
+  
Thickness: GREY Original Depth: 32 ft  
Material Colour: CLAY, SILT, DENSE Material: 26 ft

**Site:** ON **Database:** WWIS

Well ID: 1530391 Lot: 015  
Concession: Concession Name:  
County: OTTAWA-CARLETON Municipality: OTTAWA CITY  
Easting Nad83: Northing Nad83:  
Zone: 18 Utm Reliability: unknown UTM  
Primary Water Use: Construction Date: 10-SEP-98  
Sec. Water Use: Well Depth:  
Pump Rate: Static Water Level:  
Flow Rate: Clear/Cloudy:  
Specific Capacity: Final Well Status: Abandoned-Quality  
Construction Method: Not Known Flowing (y/n):  
Elevation (m): Elevation Reliability:  
Depth to Bedrock: Overburden/Bedrock: No formation data  
Water Type: Casing Material:

**Site:** ON **Database:** WWIS

Well ID: 1526639 Lot: 015  
Concession: Concession Name:  
County: OTTAWA-CARLETON Municipality: OTTAWA CITY  
Easting Nad83: Northing Nad83:  
Zone: 18 Utm Reliability: unknown UTM  
Primary Water Use: Not Used Construction Date: 19-AUG-92  
Sec. Water Use: Well Depth: 27 ft  
Pump Rate: Static Water Level:  
Flow Rate: Clear/Cloudy:  
Specific Capacity: Final Well Status: Test Hole  
Construction Method: Not Known Flowing (y/n):  
Elevation (m): Elevation Reliability:  
Depth to Bedrock: Overburden/Bedrock: Overburden  
Water Type: FRESH Casing Material: Not stated

--- Details ---

Thickness:	GREY	Original Depth:	4 ft
Material Colour:	STONES, FINE SAND, FILL	Material:	4 ft
+			
Thickness:	GREY	Original Depth:	27 ft
Material Colour:	CLAY, SILT, FINE SAND	Material:	23 ft

**Site:** ON

**Database:** WWIS

Well ID:	1526638	Lot:	015
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	OTTAWA CITY
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Not Used	Construction Date:	19-AUG-92
Sec. Water Use:		Well Depth:	30 ft
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Test Hole
Construction Method:	Not Known	Flowing (y/n):	
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:	0	Overburden/Bedrock:	Overburden below Bedrock
Water Type:	FRESH	Casing Material:	Not stated

--- Details ---

Thickness:	GREY	Original Depth:	4 ft
Material Colour:	CONGLOMERATE, STONES, SAND	Material:	4 ft
+			
Thickness:	GREY	Original Depth:	30 ft
Material Colour:	CLAY, SILT, DENSE	Material:	26 ft

**Site:** ON

**Database:** WWIS

Well ID:	1526652	Lot:	015
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	OTTAWA CITY
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Not Used	Construction Date:	20-AUG-92
Sec. Water Use:		Well Depth:	30 ft
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Test Hole
Construction Method:	Not Known	Flowing (y/n):	
Elevation (m):		Elevation Reliability:	

Depth to Bedrock:		Overburden/Bedrock:	Overburden
Water Type:	FRESH	Casing Material:	Not stated
--- Details ---			
Thickness:	GREY	Original Depth:	30 ft
Material Colour:	CLAY, SILT, DENSE	Material:	25 ft
+			
Thickness:	BROWN	Original Depth:	5 ft
Material Colour:	FINE SAND, FILL	Material:	5 ft

**Site:** ON **Database:** WWIS

Well ID:	1526651	Lot:	015
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	OTTAWA CITY
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Not Used	Construction Date:	20-AUG-92
Sec. Water Use:		Well Depth:	28 ft
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Test Hole
Construction Method:	Not Known	Flowing (y/n):	
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	Overburden
Water Type:	FRESH	Casing Material:	Not stated
--- Details ---			
Thickness:	BROWN	Original Depth:	5 ft
Material Colour:	GRAVEL, FINE SAND, FILL	Material:	5 ft
+			
Thickness:	GREY	Original Depth:	28 ft
Material Colour:	CLAY, SILT, DENSE	Material:	23 ft

**Site:** ON **Database:** WWIS

Well ID:	1526647	Lot:	015
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	OTTAWA CITY
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Not Used	Construction Date:	14-AUG-92
Sec. Water Use:		Well Depth:	5 ft
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Test Hole

<i>Construction Method:</i>	Not Known	<i>Status:</i>	
<i>Elevation (m):</i>		<i>Flowing (y/n):</i>	
<i>Depth to Bedrock:</i>		<i>Elevation</i>	
<i>Water Type:</i>	FRESH	<i>Reliability:</i>	
		<i>Overburden/Bedrock:</i>	Overburden
		<i>Casing</i>	Not stated
		<i>Material:</i>	
<i>--- Details ---</i>			
<i>Thickness:</i>	BROWN	<i>Original Depth:</i>	5 ft
<i>Material Colour:</i>	FINE SAND, FILL	<i>Material:</i>	4 ft
+			
<i>Thickness:</i>	GREY	<i>Original Depth:</i>	1 ft
<i>Material Colour:</i>	UNKNOWN TYPE	<i>Material:</i>	1 ft

**Site:** **ON** **Database:**  
**WWIS**

<i>Well ID:</i>	1526646	<i>Lot:</i>	015
<i>Concession:</i>		<i>Concession</i>	
<i>County:</i>	OTTAWA-CARLETON	<i>Name:</i>	
<i>Easting Nad83:</i>		<i>Municipality:</i>	OTTAWA CITY
<i>Zone:</i>	18	<i>Northing</i>	
<i>Primary Water Use:</i>	Not Used	<i>Nad83:</i>	
<i>Sec. Water Use:</i>		<i>Utm Reliability:</i>	unknown UTM
<i>Pump Rate:</i>		<i>Construction</i>	13-AUG-92
<i>Flow Rate:</i>		<i>Date:</i>	
<i>Specific Capacity:</i>		<i>Well Depth:</i>	31 ft
<i>Construction Method:</i>	Not Known	<i>Static Water</i>	
<i>Elevation (m):</i>		<i>Level:</i>	
<i>Depth to Bedrock:</i>		<i>Clear/Cloudy:</i>	
<i>Water Type:</i>	FRESH	<i>Final Well</i>	Test Hole
		<i>Status:</i>	
		<i>Flowing (y/n):</i>	
		<i>Elevation</i>	
		<i>Reliability:</i>	
		<i>Overburden/Bedrock:</i>	Overburden
		<i>Casing</i>	Not stated
		<i>Material:</i>	
<i>--- Details ---</i>			
<i>Thickness:</i>	GREY	<i>Original Depth:</i>	1 ft
<i>Material Colour:</i>	UNKNOWN TYPE, HARD	<i>Material:</i>	1 ft
+			
<i>Thickness:</i>	BROWN	<i>Original Depth:</i>	6 ft
<i>Material Colour:</i>	COARSE SAND, GRAVEL, FILL	<i>Material:</i>	5 ft
+			
<i>Thickness:</i>	GREY	<i>Original Depth:</i>	25 ft
<i>Material Colour:</i>	CLAY, SILT, SAND	<i>Material:</i>	19 ft
+			
<i>Thickness:</i>	GREY	<i>Original Depth:</i>	31 ft
<i>Material Colour:</i>	CLAY, GRAVEL, LOOSE	<i>Material:</i>	6 ft

**Site:** **ON** **Database:**  
**WWIS**

<i>Well ID:</i>	1526645	<i>Lot:</i>	015
<i>Concession:</i>		<i>Concession</i>	
<i>County:</i>	OTTAWA-CARLETON	<i>Name:</i>	
		<i>Municipality:</i>	OTTAWA CITY

<i>Easting Nad83:</i>		<i>Northing Nad83:</i>	
<i>Zone:</i>	18	<i>Utm Reliability:</i>	unknown UTM
<i>Primary Water Use:</i>	Not Used	<i>Construction Date:</i>	18-AUG-92
<i>Sec. Water Use:</i>		<i>Well Depth:</i>	27 ft
<i>Pump Rate:</i>		<i>Static Water Level:</i>	
<i>Flow Rate:</i>		<i>Clear/Cloudy:</i>	
<i>Specific Capacity:</i>		<i>Final Well Status:</i>	Test Hole
<i>Construction Method:</i>	Not Known	<i>Flowing (y/n):</i>	
<i>Elevation (m):</i>		<i>Elevation Reliability:</i>	
<i>Depth to Bedrock:</i>		<i>Overburden/Bedrock:</i>	Overburden
<i>Water Type:</i>	FRESH	<i>Casing Material:</i>	Not stated
<i>--- Details ---</i>			
<i>Thickness:</i>	GREY	<i>Original Depth:</i>	1 ft
<i>Material Colour:</i>	STONES	<i>Material:</i>	1 ft
<i>+</i>			
<i>Thickness:</i>	GREY	<i>Original Depth:</i>	27 ft
<i>Material Colour:</i>	CLAY, SILT, GRAVEL	<i>Material:</i>	26 ft

**Site:** ON **Database:** WWIS

<i>Well ID:</i>	1526637	<i>Lot:</i>	015
<i>Concession:</i>		<i>Concession Name:</i>	
<i>County:</i>	OTTAWA-CARLETON	<i>Municipality:</i>	OTTAWA CITY
<i>Easting Nad83:</i>		<i>Northing Nad83:</i>	
<i>Zone:</i>	18	<i>Utm Reliability:</i>	unknown UTM
<i>Primary Water Use:</i>	Not Used	<i>Construction Date:</i>	19-AUG-92
<i>Sec. Water Use:</i>		<i>Well Depth:</i>	23 ft
<i>Pump Rate:</i>		<i>Static Water Level:</i>	
<i>Flow Rate:</i>		<i>Clear/Cloudy:</i>	
<i>Specific Capacity:</i>		<i>Final Well Status:</i>	Test Hole
<i>Construction Method:</i>	Not Known	<i>Flowing (y/n):</i>	
<i>Elevation (m):</i>		<i>Elevation Reliability:</i>	
<i>Depth to Bedrock:</i>	0	<i>Overburden/Bedrock:</i>	Mixed in a Layer
<i>Water Type:</i>	FRESH	<i>Casing Material:</i>	
<i>--- Details ---</i>			
<i>Thickness:</i>	GREY	<i>Original Depth:</i>	3 ft
<i>Material Colour:</i>	STONES, CONGLOMERATE, SAND	<i>Material:</i>	3 ft
<i>+</i>			
<i>Thickness:</i>	GREY	<i>Original Depth:</i>	23 ft
<i>Material Colour:</i>	CLAY, SILT, DENSE	<i>Material:</i>	20 ft

**Site:** ON **Database:** WWIS

<i>Well ID:</i>	1526641	<i>Lot:</i>	015
<i>Concession:</i>		<i>Concession Name:</i>	
<i>County:</i>	OTTAWA-CARLETON	<i>Municipality:</i>	OTTAWA CITY
<i>Easting Nad83:</i>		<i>Northing Nad83:</i>	
<i>Zone:</i>	18	<i>Utm Reliability:</i>	unknown UTM
<i>Primary Water Use:</i>	Not Used	<i>Construction Date:</i>	17-AUG-92
<i>Sec. Water Use:</i>		<i>Well Depth:</i>	32 ft
<i>Pump Rate:</i>		<i>Static Water Level:</i>	
<i>Flow Rate:</i>		<i>Clear/Cloudy:</i>	
<i>Specific Capacity:</i>		<i>Final Well Status:</i>	Test Hole
<i>Construction Method:</i>	Not Known	<i>Flowing (y/n):</i>	
<i>Elevation (m):</i>		<i>Elevation Reliability:</i>	
<i>Depth to Bedrock:</i>		<i>Overburden/Bedrock:</i>	Overburden
<i>Water Type:</i>	FRESH	<i>Casing Material:</i>	Not stated
<i>--- Details ---</i>			
<i>Thickness:</i>	GREY	<i>Original Depth:</i>	2 ft
<i>Material Colour:</i>	GRAVEL, SAND	<i>Material:</i>	2 ft
+			
<i>Thickness:</i>	GREY	<i>Original Depth:</i>	32 ft
<i>Material Colour:</i>	CLAY, SILT, DENSE	<i>Material:</i>	30 ft

**Site:** ON **Database:** WWIS

<i>Well ID:</i>	1526649	<i>Lot:</i>	015
<i>Concession:</i>		<i>Concession Name:</i>	
<i>County:</i>	OTTAWA-CARLETON	<i>Municipality:</i>	OTTAWA CITY
<i>Easting Nad83:</i>		<i>Northing Nad83:</i>	
<i>Zone:</i>	18	<i>Utm Reliability:</i>	unknown UTM
<i>Primary Water Use:</i>	Not Used	<i>Construction Date:</i>	13-AUG-92
<i>Sec. Water Use:</i>		<i>Well Depth:</i>	33 ft
<i>Pump Rate:</i>		<i>Static Water Level:</i>	
<i>Flow Rate:</i>		<i>Clear/Cloudy:</i>	
<i>Specific Capacity:</i>		<i>Final Well Status:</i>	Test Hole
<i>Construction Method:</i>	Not Known	<i>Flowing (y/n):</i>	
<i>Elevation (m):</i>		<i>Elevation Reliability:</i>	
<i>Depth to Bedrock:</i>		<i>Overburden/Bedrock:</i>	Overburden
<i>Water Type:</i>	FRESH	<i>Casing Material:</i>	Not stated
<i>--- Details ---</i>			
<i>Thickness:</i>	GREY	<i>Original Depth:</i>	1 ft
<i>Material Colour:</i>	UNKNOWN TYPE	<i>Material:</i>	1 ft
+			
<i>Thickness:</i>	GREY	<i>Original Depth:</i>	4 ft
<i>Material Colour:</i>	STONES, FINE SAND, PACKED	<i>Material:</i>	3 ft
+			

Thickness:	BROWN	Original Depth:	8 ft
Material Colour:	FINE SAND, FILL	Material:	4 ft
+			
Thickness:	GREY	Original Depth:	33 ft
Material Colour:	CLAY, SILT, DENSE	Material:	25 ft

**Site:**  
**ON**

**Database:**  
**WWIS**

Well ID:	1526644	Lot:	015
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	OTTAWA CITY
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Not Used	Construction Date:	18-AUG-92
Sec. Water Use:		Well Depth:	28 ft
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Test Hole
Construction Method:	Not Known	Flowing (y/n):	
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	Overburden
Water Type:	FRESH	Casing Material:	Not stated
--- Details ---			
Thickness:	GREY	Original Depth:	3 ft
Material Colour:	STONES, COARSE SAND	Material:	3 ft
+			
Thickness:	GREY	Original Depth:	28 ft
Material Colour:	CLAY, SILT, GRAVEL	Material:	25 ft

**Site:**  
**ON**

**Database:**  
**WWIS**

Well ID:	1526650	Lot:	015
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	OTTAWA CITY
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Not Used	Construction Date:	12-AUG-92
Sec. Water Use:		Well Depth:	33 ft
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Test Hole
Construction Method:	Not Known	Flowing (y/n):	
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	Overburden
Water Type:	FRESH	Casing Material:	Not stated

Material:

--- Details ---

Thickness:	GREY	Original Depth:	2 ft
Material Colour:	STONES, PACKED	Material:	1 ft
+			
Thickness:	BROWN	Original Depth:	5 ft
Material Colour:	SAND, GRAVEL, FILL	Material:	3 ft
+			
Thickness:	GREY	Original Depth:	33 ft
Material Colour:	CLAY, SILT, DENSE	Material:	28 ft
+			
Thickness:	GREY	Original Depth:	1 ft
Material Colour:	UNKNOWN TYPE, HARD	Material:	1 ft

**Site:** ON **Database:** WWIS

Well ID:	1526643	Lot:	015
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	OTTAWA CITY
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Not Used	Construction Date:	17-AUG-92
Sec. Water Use:		Well Depth:	31 ft
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Test Hole
Construction Method:	Not Known	Flowing (y/n):	
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	Overburden
Water Type:	FRESH	Casing Material:	Not stated

--- Details ---

Thickness:	GREY	Original Depth:	31 ft
Material Colour:	CLAY, SILT, GRAVEL	Material:	30 ft
+			
Thickness:	GREY	Original Depth:	1 ft
Material Colour:	STONES	Material:	1 ft

**Site:** ON **Database:** WWIS

Well ID:	1518033	Lot:	027
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	OTTAWA CITY
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Cooling And A/C	Construction Date:	29-JAN-82
Sec. Water Use:		Well Depth:	100 ft
Pump Rate:	10 GPM	Static Water Level:	15 ft



<i>Flow Rate:</i>		<i>Level:</i>	
<i>Specific Capacity:</i>		<i>Clear/Cloudy:</i>	CLEAR
		<i>Final Well</i>	Water Supply
<i>Construction Method:</i>	Air Percussion	<i>Status:</i>	
<i>Elevation (m):</i>		<i>Flowing (y/n):</i>	N
		<i>Elevation</i>	
<i>Depth to Bedrock:</i>	15	<i>Reliability:</i>	
		<i>Overburden/Bedrock:</i>	Bedrock
<i>Water Type:</i>	FRESH	<i>Casing</i>	FRESH, MINERAL
		<i>Material:</i>	

--- Details ---

<i>Thickness:</i>	BROWN	<i>Original Depth:</i>	10 ft
<i>Material Colour:</i>	CLAY	<i>Material:</i>	10 ft
+			
<i>Thickness:</i>	GREY	<i>Original Depth:</i>	15 ft
<i>Material Colour:</i>	CLAY	<i>Material:</i>	5 ft
+			
<i>Thickness:</i>	BLACK	<i>Original Depth:</i>	27 ft
<i>Material Colour:</i>	SHALE, SOFT	<i>Material:</i>	12 ft
+			
<i>Thickness:</i>	GREY	<i>Original Depth:</i>	100 ft
<i>Material Colour:</i>	LIMESTONE	<i>Material:</i>	73 ft

## Appendix: Database Descriptions

Ecolog Environmental Risk Information Services Ltd 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 Ecolog 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 all 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 Aug 2012*

### **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-Jan 2014*

### **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 all 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: 2001-Jul 2014*

**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: 1948-2014*

**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: 1992, 1999-Jul 2014*

**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-Feb 2014*

**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-May 2015*

**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 MNM. 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-Jan 2014*

**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 31 2011-Apr 2015*

**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-May 2015*

**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 31, 2011-Apr 2015*

**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](#)

EcoLog 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-Aug 2014*

**Environmental Issues Inventory System:**

Federal [EIS](#)

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 EIS 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\**

**List of TSSA Expired Facilities:**

Provincial [EXP](#)

This is a list of all expired facilities that fall under the TSSA (TSSA Act & Safety Regulations), including the six regulations that exist under the Fuels Safety Division. It will include facilities such as private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. These tanks have been removed and automatically fall under the expired facilities inventory held by TSSA.

*Government Publication Date: Current to Nov 2014*

**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 all 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: June 2000-Apr 2015*

**Fisheries & Oceans Fuel Tanks:**

Federal [FOFT](#)

Fisheries & Oceans Canada maintains an inventory of all 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-Sept 2003*

**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: 2010-Nov 2014*

**Fuel Storage Tank - Historic:**

Provincial [FSTH](#)

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: 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-Apr 2014*

**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 all 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: June 2009-2014*

**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: 2012*

**Canadian Mine Locations:**

Private MINE

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

*Government Publication Date: 1998-2009\**

**Mineral Occurrences:**

Provincial MNR

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

*Government Publication Date: 1846-Apr 2013*

**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: 1994-2012*

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

Federal NDFT

The Department of National Defence 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 Defence & Canadian Forces Spills:**

Federal NDSP

The Department of National Defence 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 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 all 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. All federal out-of-service PCB containing equipment and all 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: 1993-2013*

**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-Mar 2015*

**Ontario Oil and Gas Wells:**

Provincial [OOGW](#)

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

*Government Publication Date: 1800-2013*

**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*



**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-May 2015*

**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 all 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 Environment maintains a database of all manufacturers and vendors of registered pesticides.

*Government Publication Date: 1988-Jun 2013*

**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: June 2009-2014*

**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-May 2015*

**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: 1986-2013*

**Record of Site Condition:**

Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

*Government Publication Date: 1997-Sept 2001, Oct 2004-Mar 2015*

**Retail Fuel Storage Tanks:**

Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

*Government Publication Date: 1999-Jul 2014*

**Scott's Manufacturing Directory:**

Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

*Government Publication Date: 1992-Mar 2011*

**Ontario Spills:**

Provincial SPL

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

*Government Publication Date: 1988-Feb 2014*

**Wastewater Discharger Registration Database:**

Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

*Government Publication Date: 1990-2011*

**Anderson's Storage Tanks:**

Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

*Government Publication Date: 1915-1953\**

**Transport Canada Fuel Storage Tanks:**

Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

*Government Publication Date: 1970-Mar 2007*

**TSSA Variances for Abandonment of Underground Storage Tanks:**

Provincial VAR

The TSSA, Under the Liquid Fuels Handling Code and the Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, you may apply to seek a variance from this code requirement. This is a list of all variances granted for abandoned tanks.

*Government Publication Date: Current to Nov 2014*

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

Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

*Government Publication Date: 1970-Apr 2015*

**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: 1955-Mar 2014*

# 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 were included as reference.

**APPENDIX D**

**Aerial Photographs**

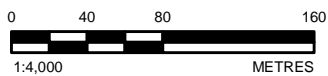


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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM 25mm

**LEGEND**

- APPROXIMATE SITE BOUNDARY
- PHASE ONE STUDY AREA (250 metre RADIUS)



**NOTE(S)**  
1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**  
1. 1945 AERIAL PHOTOGRAPH, NAPL, A9547-48  
2. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83  
COORDINATE SYSTEM: UTM ZONE 18 VERTICAL DATUM: CGVD28

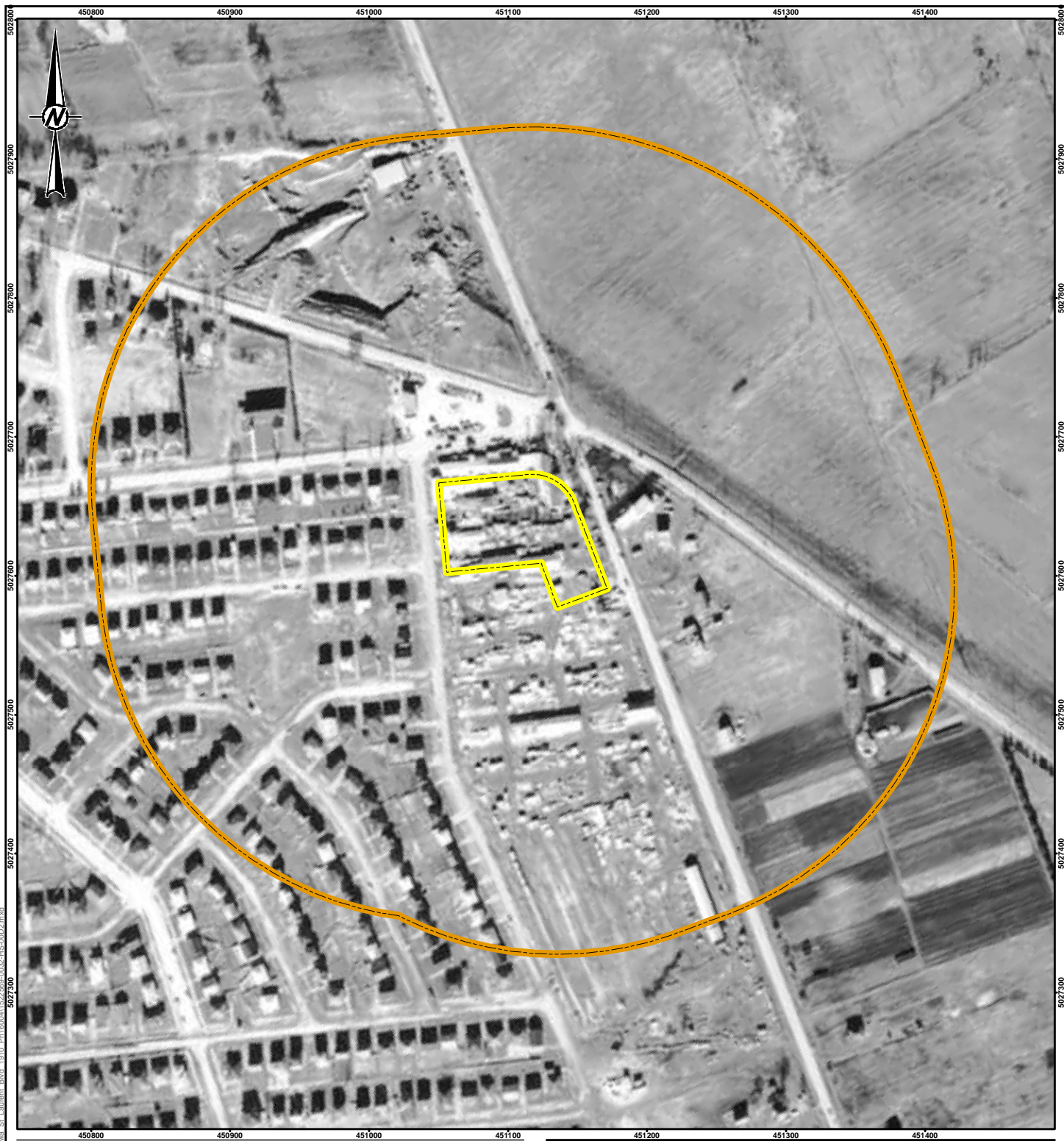
CLIENT  
**RIOCAN MANAGEMENT INC.**

PROJECT  
**O.REG 153/04 PHASE I ENVIRONMENTAL SITE ASSESSMENT  
1910 SAINT LAURENT BOULEVARD, OTTAWA, ONTARIO**

TITLE  
**1945 AERIAL PHOTOGRAPH**

CONSULTANT	YYYY-MM-DD	2018-11-08
<b>GOLDER</b>	DESIGNED	----
	PREPARED	BR
	REVIEWED	SC
	APPROVED	KPH

PROJECT NO. 1522569	CONTROL 0032	REV. 0	FIGURE <b>D1</b>
------------------------	-----------------	-----------	---------------------

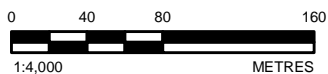


Path: S:\Clients\RIOCAN\Canada\09a\_PROD\1522569\_ESA\06\_PROD\0032\_Phase1\ON\_Ottawa\_St-Laurent Blvd\_1910\_Ph1\00041522569-0032\_HS-0002.mxd

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM 25mm

**LEGEND**

- APPROXIMATE SITE BOUNDARY
- PHASE ONE STUDY AREA (250 metre RADIUS)



**NOTE(S)**  
1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**  
1. 1958 AERIAL PHOTOGRAPH, NAPL, A16938-3299-10  
2. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83  
COORDINATE SYSTEM: UTM ZONE 18 VERTICAL DATUM: CGVD28

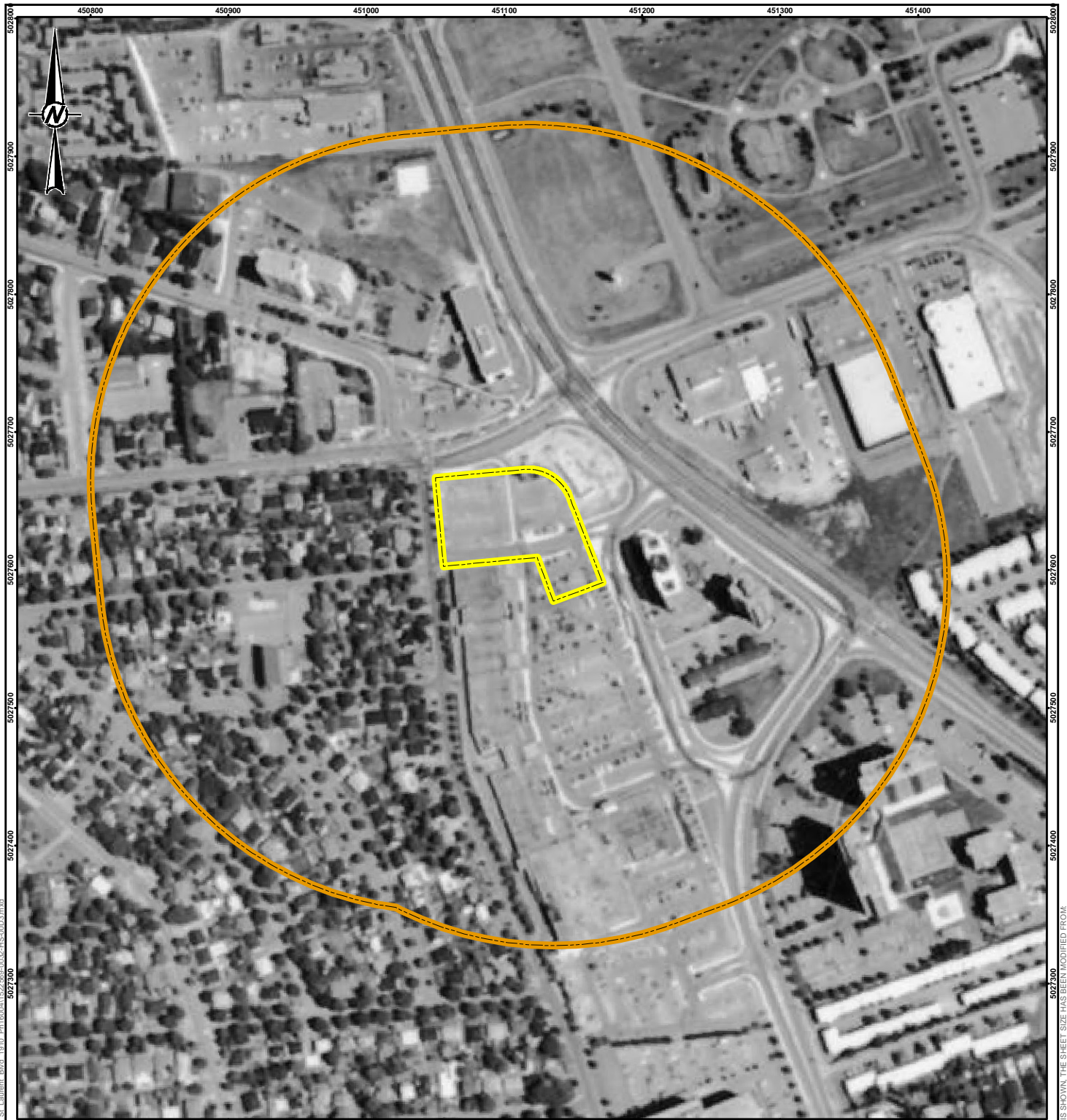
CLIENT  
**RIOCAN MANAGEMENT INC.**

PROJECT  
**O.REG 153/04 PHASE I ENVIRONMENTAL SITE ASSESSMENT  
1910 SAINT LAURENT BOULEVARD, OTTAWA, ONTARIO**



TITLE  
**1958 AERIAL PHOTOGRAPH**

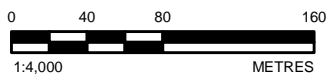
CONSULTANT	YYYY-MM-DD	2018-11-08
<b>GOLDER</b>	DESIGNED	----
	PREPARED	BR
	REVIEWED	SC
	APPROVED	KPH

PROJECT NO.	CONTROL	REV.	FIGURE
1522569	0032	0	<b>D2</b>



**LEGEND**

-  APPROXIMATE SITE BOUNDARY
-  PHASE ONE STUDY AREA (250 metre RADIUS)



**NOTE(S)**  
1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**  
1. 1985 AERIAL PHOTOGRAPH, NAPL, A31407-88  
2. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83  
COORDINATE SYSTEM: UTM ZONE 18 VERTICAL DATUM: CGVD28

CLIENT  
**RIOCAN MANAGEMENT INC.**

PROJECT  
**O.REG 153/04 PHASE I ENVIRONMENTAL SITE ASSESSMENT  
1910 SAINT LAURENT BOULEVARD, OTTAWA, ONTARIO**

TITLE  
**1985 AERIAL PHOTOGRAPH**

CONSULTANT	YYYY-MM-DD	2018-11-08
DESIGNED	----	
PREPARED	BR	
REVIEWED	SC	
APPROVED	KPH	

PROJECT NO. 1522569	CONTROL 0032	REV. 0	FIGURE <b>D3</b>
------------------------	-----------------	-----------	---------------------



**APPENDIX E**

**Site Photographs**



Photo 1 – View of the south elevation of the Site Building, looking northwest.



Photo 2 – View of the east elevation of the Site Building, looking northwest.

CLIENT

**RioCan Management Inc.**

CONSULTANT



YYYY-MM-DD 2018-08-20

TAKEN BY SAC

CHECKED BY KPH

PROJECT

**Phase I ESA – Part of Elmvale Acres Shopping Centre**

TITLE

**Photographic Record**

PROJECT No. 1522569

FIGURE

**E1**



Photo 3 – View of the asphalt paved driveway off of Smyth Road that provides access to the Site.

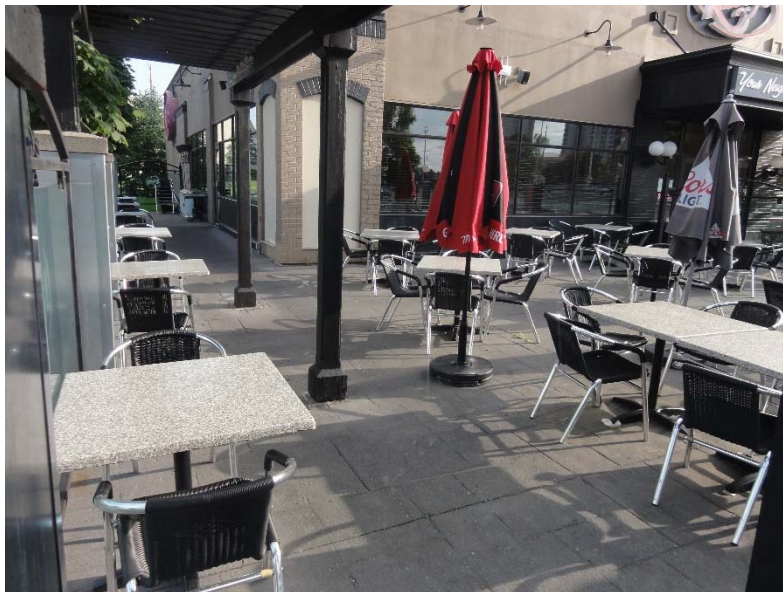


Photo 4 – View of landscaped patio area on the southwest corner of the Site Building.

CLIENT

**RioCan Management Inc.**

CONSULTANT



YYYY-MM-DD 2018-08-20

TAKEN BY SAC

CHECKED BY KPH

PROJECT

**Phase I ESA – Part of Elmvalle Acres Shopping Centre**

TITLE

**Photographic Record**

PROJECT No. 1522569

FIGURE

**E2**



Photo 5 – General view of the asphalt paved parking area on the western portion of the Site.



Photo 6 – General view of the asphalt paved parking area on the southern portion of the Site.

CLIENT

**RioCan Management Inc.**

CONSULTANT



YYYY-MM-DD 2018-08-20

TAKEN BY SAC

CHECKED BY KPH

PROJECT

**Phase I ESA – Part of Elmvale Acres Shopping Centre**

TITLE

**Photographic Record**

PROJECT No: 1522569

FIGURE

**E3**



Photo 7 – View of recycling and waste collection bins located east of the Site Building.



Photo 8 – View of natural gas line for the Site Building, indicating heating and cooling systems are fired by natural gas.

CLIENT

**RioCan Management Inc.**

CONSULTANT



YYYY-MM-DD 2018-08-20

TAKEN BY SAC

CHECKED BY KPH

PROJECT

**Phase I ESA – Part of Elmvale Acres Shopping Centre**

TITLE

**Photographic Record**

PROJECT No. 1522569

FIGURE

**E4**



Photo 9 – View of the access driveway off of St. Laurent Boulevard on the eastern portion of the Site.



Photo 10 – View of typical residential homes along Othello Avenue, located west of the Site.

CLIENT

**RioCan Management Inc.**

CONSULTANT



YYYY-MM-DD 2018-08-20

TAKEN BY SAC

CHECKED BY KPH

PROJECT

**Phase I ESA – Part of Elmvale Acres Shopping Centre**

TITLE

**Photographic Record**

PROJECT No. 1522569

FIGURE

**E5**



Photo 11 – View of the vacant land at 969 Smyth Road, former location of the gasoline service station (located north of the Site across Smyth Road).



Photo 12 – View of a commercial property at 1929 Russell Road (located north of the Site across Smyth Road), former land use includes auto service garage and gasoline storage tanks.

CLIENT

**RioCan Management Inc.**

CONSULTANT



YYYY-MM-DD 2018-08-20

TAKEN BY SAC

CHECKED BY KPH

PROJECT

**Phase I ESA – Part of Elmvale Acres Shopping Centre**

TITLE

**Photographic Record**

PROJECT No. 1522569

FIGURE

**E6**



Photo 13 – View of a multi-tenant commercial building immediately east of the Site occupied by restaurants, pubs and bar.



Photo 14 – View of residential apartment building at 1917 St. Laurent Boulevard (located east of the Site across St. Laurent Boulevard).

CLIENT

**RioCan Management Inc.**

CONSULTANT



YYYY-MM-DD 2018-08-20

TAKEN BY SAC

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PROJECT

**Phase I ESA – Part of Elmvale Acres Shopping Centre**

TITLE

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FIGURE

**E7**





Photo 15 – General view of the commercial building (strip mall) located on the Subject Property, immediately south of the Site.



Photo 16 – View of typical commercial tenants at Elmvale Acres Shopping Centre building including a dry cleaning facility (reportedly a drop-off depot only).

CLIENT

**RioCan Management Inc.**

CONSULTANT



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FIGURE

**E8**



Photo 17 – General view of the Elmvale Acres Shopping Centre Building on the Subject Property, located southwest of the Site,



Photo 18 – View of concrete pad mounted transformer on the Subject Property, located southwest of the Site.

CLIENT

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FIGURE

**E9**



Photo 19 – View of a dry cleaning facility (reportedly drop-off depot only) approximately 100 m south of the Site. No visual evidence of dry cleaning solvents use during the Site visit.



Photo 20 – View of the laundromat on Subject Property, located southwest of the Site; however, no dry cleaning operations or solvents appear to be used at this facility.

CLIENT

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FIGURE

**E10**



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