



Phase One Environmental Site Assessment

261 and 265 Columbus Avenue
Ottawa, Ontario

Prepared for:

2645191 Ontario Inc.
20 King George Street
Ottawa, ON K1K 1V8

Attn: Mr. Gabriel de Varennes

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Issued To: 2645191 Ontario Inc.
Contact: Mr. Gabriel de Varennes
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Pinchin File: 226649
Issuing Office: 1 Hines Road, Suite 200, Kanata, ON K2K 3C7
Primary Pinchin Contact: Christine Wilson
613.592.3387 ext. 1827
cwilson@pinchin.com

Author:

Kurt Frommann, B.A., EMAPG
Project Manager
613.592.3387 ext. 1820
kfrommann@pinchin.com

Reviewer:

Scott Mather, P.Eng., QP_{ESA}
Director, Eastern Ontario
613.592.3387 ext. 1802
smather@pinchin.com

Reviewer:

Larry Backman, B.Sc.S.
Executive Vice President, National Accounts
613.592.3387 ext. 1801
lbackman@pinchin.com



TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY 1

2.0 INTRODUCTION..... 5

 2.1 Phase One Property Information 5

3.0 SCOPE OF INVESTIGATION..... 6

4.0 RECORDS REVIEW 7

 4.1 General 7

 4.1.1 Phase One Study Area Determination..... 7

 4.1.2 First Developed Use Determination 8

 4.1.3 Fire Insurance Plans 8

 4.1.4 Environmental Reports 9

 4.2 Environmental Source Information 9

 4.2.1 Environmental Database Search – EcoLog ERIS 9

 4.2.1.1 National Pollutant Release Inventory 9

 4.2.1.2 Ontario Inventory of PCB Storage Sites 10

 4.2.1.3 National PCB Inventory 10

 4.2.1.4 Certificates of Approval..... 10

 4.2.1.5 Environmental Compliance Approvals, Permits To Take Water and
 Certificates of Property Use..... 10

 4.2.1.6 Inventory of Coal Gasification Plants..... 11

 4.2.1.7 Environmental Incidents, Orders, Offences and Spills 11

 4.2.1.8 Waste Management Records 12

 4.2.1.9 Fuel Storage Tanks 12

 4.2.1.10 Notices and Instruments..... 13

 4.2.1.11 Areas of Natural Significance 13

 4.2.1.12 Landfill Information 13

 4.2.1.13 Other EcoLog ERIS Databases 13

 4.2.2 Ministry of the Environment, Conservation and Parks Freedom of Information
 Search..... 14

 4.2.3 Technical Standards and Safety Authority Search 14

 4.2.4 Property Underwriters’ Reports and Plans 14

 4.2.5 City Directories..... 15

 4.3 Physical Setting Sources 16

 4.3.1 Aerial Photographs 16

 4.3.2 Topography, Hydrology and Geology 17

 4.3.3 Fill Materials..... 18

 4.3.4 Water Bodies and Areas of Natural Significance..... 18

 4.3.5 Well Records..... 18

 4.4 Site Operating Records 19

5.0 INTERVIEWS..... 19

6.0 SITE RECONNAISSANCE 20

 6.1 General Requirements 20

 6.2 Specific Observations at Phase One Property 20

 6.2.1 Description of Buildings and Structures 20

 6.2.2 Description of Below-Ground Structures 21

 6.2.3 Description of Tanks 21

 6.2.4 Potable and Non-Potable Water Sources..... 21



6.2.5	Description and Location of Underground Utilities.....	21
6.2.6	Entry and Exit Points.....	22
6.2.7	Details of Heating System.....	22
6.2.8	Details of Cooling System.....	22
6.2.9	Details of Drains, Pits and Sumps	22
6.2.10	Unidentified Substances within Buildings and Structures.....	22
6.2.11	Details of Staining and Corrosion	22
6.2.12	Details of On-Site Wells	23
6.2.13	Details of Sewage Works.....	23
6.2.14	Details of Ground Cover	23
6.2.15	Details of Current or Former Railways.....	23
6.2.16	Areas of Stained Soil, Vegetation and Pavement.....	23
6.2.17	Areas of Stressed Vegetation	24
6.2.18	Areas of Fill and Debris Materials.....	24
6.2.19	Potentially Contaminating Activities.....	24
6.2.20	Unidentified Substances Outside Buildings and Structures	24
6.3	Enhanced Investigation Property.....	24
6.4	Written Description of Investigation	25
6.4.1	Phase One Property	25
6.4.2	Phase One Study Area Outside of Phase One Property.....	26
7.0	REVIEW AND EVALUATION OF INFORMATION	27
7.1	Current and Past Uses	27
7.2	Potentially Contaminating Activities.....	29
7.3	Areas of Potential Environmental Concern	29
7.4	Phase One Conceptual Site Model	30
8.0	CONCLUSIONS.....	32
8.1	Signatures.....	33
8.2	Terms and Limitations	33
9.0	REFERENCES.....	34
10.0	APPENDICES	1



APPENDICES

APPENDIX A	Figures
APPENDIX B	Photographs
APPENDIX C	Survey Plan
APPENDIX D	Opta Records
APPENDIX E	EcoLog ERIS Report
APPENDIX F	MECP Freedom of Information Request
APPENDIX G	TSSA Archival Request
APPENDIX H	Maps

FIGURES

Figure 1	Key Map
Figure 2	Phase One Study Area
Figure 3	Potentially Contaminating Activities



1.0 EXECUTIVE SUMMARY

Pinchin Ltd. (Pinchin) was retained by 2645191 Ontario Inc. (Client) to complete a Phase One Environmental Site Assessment (Phase One ESA) of the property located at 261 and 265 Columbus Avenue in Ottawa, Ontario (hereafter referred to as the Site or Phase One Property). The Phase One Property is presently developed with a single-storey residential dwelling (Site Building A, located at 261 Columbus Avenue) and associated detached residential garage, as well as a two-storey residential dwelling (Site Building B, located at 265 Columbus Avenue) and associated detached residential garage.

Pinchin conducted this Phase One ESA in accordance with Part VII and Schedule D of the Province of Ontario's *Environmental Protection Act R.S.O. 1990, c. E.19* and *Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act*, and last amended by Ontario Regulation 312/17 on July 28, 2017 (O. Reg. 153/04). The purpose of the Phase One ESA was to assess the potential presence of environmental impacts at the Phase One Property due to activities at and near the Phase One Property.

This Phase One ESA was conducted at the request of the Client for the purpose of filing a Site Plan Approval application with the City of Ottawa in preparation for the future redevelopment of the Phase One Property with a low-rise multi-tenant residential building.

The scope of work for this Phase One ESA was consistent with O. Reg. 153/04 and was comprised of the following:

- **A Records Review:** Reviewed available current and historical information sources pertaining to the Phase One Property and Phase One Study Area including the use of, but not limited to, aerial photographs, city directories and Fire Insurance Plans (FIPs). Regulatory agencies were also contacted to identify if any records of environmental non-compliance or other information associated with the environmental condition of the Phase One Property exists, including searches of the Ministry of the Environment, Conservation and Parks' (MECP's) Freedom of Information and water well records, and the Technical Standards and Safety Authority (TSSA) records;
- **Interviews:** Conducted interviews with a Site Representative (see Section 5.0) to determine if any current or historical operations have caused a concern with respect to the environmental condition of the Phase One Property and the surrounding properties within the Phase One Study Area;
- **Site Reconnaissance:** Completed a visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area (from publicly-accessible areas) including any associated buildings and/or facilities for the purpose of identifying the presence of potentially contaminating activities (PCAs);



- Evaluation: Evaluated the information gathered from the records review, interviews and Site reconnaissance;
- Reporting: Prepared a Phase One ESA report; and
- Submission: Submitted the Phase One ESA report to the Client.

The Phase One Property consists of Part of Lot 165 and all of Lots 166 and 167, Registered Plan 441, and is situated at the municipal addresses of 261 and 265 Columbus Avenue, Ottawa, Ontario, which is currently owned by 2645191 Ontario Ltd. (the Client). The Phase One Property is located on the north side of Columbus Avenue, approximately 20 metres west of Edith Avenue.

The following table is a summary of the current and past land uses of the Phase One Property:

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIP, etc.
Prior to 1948	Unknown	Assumed vacant undeveloped land	Vacant	The 1928 aerial photograph and 1948 FIP appeared to depict the Phase One Property as vacant undeveloped land. In addition, the Site Representative indicated that Site Building A was the first building constructed on the Phase One Property, and was constructed in approximately 1948 (inferred to be late 1948).



Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIP, etc.
1948 – 1951	Unknown/ residential land owner	Residential, and vacant undeveloped land	Residential, and vacant undeveloped land	The Site Representative indicated that Site Building A was the first building constructed on the Phase One Property, and was constructed in approximately 1948. In addition, the 1948 FIP indicated that the Phase One Property consisted of vacant undeveloped land and as such, it is Pinchin's opinion that Site Building A was constructed in late 1948.
1952 – between 1965 and 1976.	Unknown/ residential land owner	Residential, and vacant undeveloped land	Residential, and vacant undeveloped land	The Site Representative indicated that Site Building A was constructed on the Phase One Property in approximately 1948, and both Site Buildings and associated detached garages were present on-Site in the 1958 aerial photograph reviewed by Pinchin.
Between 1965 and 1976 – present	Unknown/ residential land owner	Residential, and vacant undeveloped land	Residential, and vacant undeveloped land	Similar to above; however, an in-ground swimming pool was present on-Site in the 1976 aerial photograph and was present during Pinchin's Site reconnaissance.



To the best of Pinchin's knowledge, the Phase One Property was undeveloped until the construction of Site Building A (and likely the associated detached garage building) in approximately 1948. Construction of Site Building B (and likely the associated detached garage building) followed in approximately 1952. The usage of the Phase One Property prior to the construction of the Site Buildings is inferred to have consisted of vacant undeveloped land. Subsequent to the construction of the Site Buildings, the Phase One Property has been occupied solely by various residential tenants (as per the city directory searches, configuration of the Site Buildings, and information provided by the Site Representative).

It is Pinchin's opinion that the date of the first developed use of the Phase One Property is approximately 1948, with the construction of Site Building A and the associated detached garage building on the Phase One Property. The date of the first developed use of the Phase One Property was determined through a review of aerial photographs and city directories, as well as information provided by the Site Representative. No other historical records were available to Pinchin that provided information for determining the date of first developed use of the Phase One Property.

The review of information obtained from historical records, interviews and a Site reconnaissance completed by Pinchin for the Phase One ESA did not identify any PCAs at the Phase One Property or within the Phase One Study Area outside of the Phase One Property (i.e., off-Site) that are considered to result in areas of potential environmental concern (APECs) to the Phase One Property. One on-Site PCA and one off-Site PCA were identified, but these PCAs are not considered to result in APECs at the Phase One Property given the observations made during Pinchin's Site reconnaissance, as well as the distance between the off-Site PCA and the Phase One Property and the inferred groundwater flow direction within the Phase One Study Area. Based on these findings, nothing was identified that is likely to have resulted in impacts to the soil, groundwater and sediment at the Phase One Property and would require the completion of a Phase Two ESA. As such, it is Pinchin's opinion that the Phase One Property is suitable for the filing of a Site Plan Approval application with the City of Ottawa based only on the completion of this Phase One ESA report.

This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.

This report has been issued without having received responses from the MECP regarding Pinchin's Freedom of Information request, or the TSSA regarding Pinchin's archival searches. Once responses from these regulatory bodies is received, the information will be incorporated into a revised version of this report. Our conclusions and recommendations may be amended based on this information.



2.0 INTRODUCTION

A Phase One ESA is defined as a systematic qualitative process to determine whether a particular property is, or may be subject to, actual or potential contamination. Under the Province of Ontario's *Environmental Protection Act R.S.O. 1990, c. E.19* (EPA) and *Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act*, and last amended by Ontario Regulation 312/17 on July 28, 2017 (O. Reg. 153/04), the purpose of a Phase One ESA is two-fold:

- To obtain and review records that relate to the Phase One Property, and to the current and past uses of and activities at or affecting the Phase One Property, in order to determine if an area of potential environmental concern (APEC) exists and to interpret any APEC; and
- To obtain and review records that relate to properties in the Phase One Study Area, other than the Phase One Property, in order to determine if a potentially contaminating activity (PCA) exists and interpret whether any such PCA represents an APEC for the Phase One Property.

This Phase One ESA was conducted at the request of the Client for the purpose of filing a Site Plan Approval application with the City of Ottawa in preparation for the future redevelopment of the Phase One Property with a low-rise multi-tenant residential building.

2.1 Phase One Property Information

The Phase One Property consists of Part of Lot 165 and all of Lots 166 and 167, Registered Plan 441, and is situated at the municipal addresses of 261 and 265 Columbus Avenue, Ottawa, Ontario, which is currently owned by 2645191 Ontario Ltd. (the Client). The Phase One Property is located on the north side of Columbus Avenue, approximately 20 metres (m) west of Edith Avenue, as shown on Figure 1 (all Figures are provided in Appendix A and all appendices are provided in Section 10.0). A plan showing the Phase One Study Area for which this Phase One ESA applies to is outlined on Figure 2 and PCAs identified within the Phase One Study Area are labelled on Figure 3. Photographs of the Phase One Property and surrounding properties are presented in Appendix B. A current legal survey of the Phase One Property is included in Appendix C.

Pertinent details of the Phase One Property are provided in the following table:

Detail	Source / Reference	Information
Legal Description	Legal Survey Drawing provided by the Client	Part of Lot 165 and all of Lots 166 and 167, Registered Plan 441, City of Ottawa



Detail	Source / Reference	Information
Municipal Address	http://maps.ottawa.ca/geottawa/ City of Ottawa, Client	261 and 265 Columbus Avenue Ottawa, ON K1K 1P5
Parcel Identification Number (PIN)	http://maps.ottawa.ca/geottawa/ City of Ottawa	042510036
Current Owner	Client	2645191 Ontario Ltd.
Current Occupant(s)	Client	Site Building A: Vacant Site Building B: Residential tenant
Client	Authorization to Proceed Form	2645191 Ontario Ltd.
Client Contact Information	Authorization to Proceed Form	Mr. Gabriel de Varennes 2645191 Ontario Ltd. 20 King George Street Ottawa, ON K1K 1V8 Phone: 613-720-0490 gabriel@royalpage.ca
Site Area	http://maps.ottawa.ca/geottawa/ City of Ottawa	0.14 hectares (0.34 acres).
Current Zoning	http://maps.ottawa.ca/geottawa/ City of Ottawa	R4 – Residential Fourth Density

3.0 SCOPE OF INVESTIGATION

Pinchin conducted this Phase One ESA in accordance with O. Reg. 153/04, in particular Part VII and Schedule D of O. Reg. 153/04. The Phase One ESA scope of work was comprised of the following:

- A Records Review: Pinchin reviewed available current and historical information sources pertaining to the Phase One Property and surrounding properties within the Phase One Study Area including the use of, but not limited to, aerial photographs, city directories, Fire Insurance Plans (FIPs), available Site operating records, a regulatory data base search and Ministry of the Environment, Conservation and Parks (MECP) water well records. Regulatory agencies were also contacted to identify if any records of environmental non-compliance or other information associated with the environmental condition of the Phase One Property exist, including the MECP's Freedom of Information

and Protection of Privacy Office and the Technical Standards and Safety Authority (TSSA) records;

- Interviews: Pinchin conducted interviews with a Site Representative (see Section 5.0) to determine if any current or historical operations have caused a concern with respect to the environmental condition of the Phase One Property and the surrounding properties within the Phase One Study Area;
- Site Reconnaissance: Pinchin completed a visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area (from publicly-accessible areas) including any associated buildings and/or facilities for the purpose of identifying the presence of significant environmental contaminants of concern;
- Evaluation: Pinchin evaluated the information gathered from the records review, interviews and Site reconnaissance;
- Reporting: Pinchin prepared a Phase One ESA report summarizing the findings of the Phase One ESA; and
- Submission: Pinchin submitted the Phase One ESA report to the Client.

4.0 RECORDS REVIEW

4.1 General

A Phase One ESA does not include sampling or testing of environmental media or building materials. The study period for this assessment was during the month of August 2018, which included the records review, Site reconnaissance, interviews and reporting. A Site reconnaissance was completed on August 14, 2018, by a Pinchin representative under the direct supervision of a Qualified Person (QP). During the Site reconnaissance, Pinchin accessed all areas of the Phase One Property with the exception of the roof of the Site Buildings. Pinchin did not access any areas within the surrounding Phase One Study Area with the exception of publicly-accessible roads and sidewalks. Select photographs taken during the Site reconnaissance of the Phase One Property and the surrounding properties within the Phase One Study Area are presented in Appendix B.

4.1.1 Phase One Study Area Determination

Based on a review of the available historical information and observations made during the Site reconnaissance for the properties greater than 250 m, but less than 1 kilometre (km), from the Phase One Property boundary, Pinchin did not note or observe any significant potentially contaminating properties that should be included as part of this assessment (e.g., landfills, large industrial manufacturers, etc.). As such, the Phase One Study Area consisted of the Phase One Property, as well as all properties situated



wholly, or partly, within 250 m from the nearest point of a boundary of the Phase One Property, in order to meet the minimum requirements set forth in O. Reg. 153/04. A map of the Phase One Study Area and the surrounding land use is presented in Figure 3.

4.1.2 *First Developed Use Determination*

The first developed land use of the Phase One Property is defined by O. Reg. 153/04 to be:

- a. The first use of a Phase One Property in or after 1875 that resulted in the development of a building or structure on the property; and
- b. The first potentially contaminating use or activity on the Phase One Property.

Based on a review of aerial photographs, as well as correspondence with the Site Representative, Pinchin determined that the Phase One Property was first occupied in approximately 1948, when the Phase One Property was developed with Site Building A and the associated detached garage building. Therefore, it is Pinchin's opinion that the first developed use of the Phase One Property was in approximately 1948.

To the best of Pinchin's knowledge, no building or structure had been constructed on the Phase One Property prior to this time, based on a review of the 1928 aerial photograph that showed the Phase One Property to be vacant undeveloped land. The 1958 aerial photograph showed two residential dwellings (Site Buildings A and B) located on the west and east portions of the Phase One Property (respectively).

The date of the first developed use of the Phase One Property was determined through a review of city directories, FIPs and aerial photographs, as well as information provided by the Site Representative. No other information was reviewed by Pinchin during the records review, or obtained during the Site reconnaissance or interviews which would have resulted in a different interpretation of the date of first developed use of the Phase One Property.

4.1.3 *Fire Insurance Plans*

Pinchin contacted Opta Information Intelligence (Opta) to obtain copies of FIPs related to the Phase One Property and the Phase One Study Area. Opta provided Pinchin with a copy of an FIP dated 1948 for the area including the Phase One Property.

The Opta response (containing a copy of the FIP) is provided in Appendix D.

Based on Pinchin's review of the FIP, the following was noted:

- The Phase One Property consisted of vacant undeveloped land. Based on additional historical information provided to Pinchin, it is Pinchin's opinion that Site Building A was likely constructed later on in 1948;

- The adjacent and surrounding properties within the Phase One Study Area consisted of vacant undeveloped land and residential dwellings, with the exception of an institutional building (i.e., Overbrooke Public School), located approximately 180 m southwest of the Phase One Property; and
- No operations of potential environmental concern were evident on the FIP.

Based on Pinchin's review of the information provided in the 1948 FIP, no PCAs were identified.

4.1.4 Environmental Reports

The Client informed Pinchin that no previous environmental reports were available for the Phase One Property or for adjacent properties within the Phase One Study Area. None of the other information sources accessed by Pinchin had previous environmental reports for the Phase One Property or adjacent properties within the Phase One Study Area available for review.

4.2 Environmental Source Information

Pinchin reviewed the historical use of the Phase One Study Area through the use of publicly available archives and databases, as well as through requesting information from regulatory agencies. The following provides a summary of the information obtained from these sources.

4.2.1 Environmental Database Search – EcoLog ERIS

Pinchin retained EcoLog Environmental Risk Information Service Ltd. (ERIS) to search all available federal, provincial and private source databases for information pertaining to the Phase One Study Area. A copy of the EcoLog ERIS report is provided in Appendix F and the results of the database search are described in the following subsections.

4.2.1.1 National Pollutant Release Inventory

EcoLog ERIS completed a search of the federal databases for information regarding the National Pollutant Release Inventory (NPRI). This database contains comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances and identifies information such as the approximate location, type and quantity of contaminant, date of release, and media impacted.

Pinchin reviewed the EcoLog ERIS report for NPRI information and found no records regarding the Phase One Study Area.

4.2.1.2 Ontario Inventory of PCB Storage Sites

The MECP's Waste Management Branch maintains an inventory of PCB storage sites within Ontario. Ontario Regulation 11/82 and Ontario Regulation 347 (O. Reg. 347), made under the EPA, require the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the MECP. This database contains information on waste quantities, major and minor sites storing liquid or solid waste, and a waste storage inventory.

EcoLog ERIS completed a search of the Ontario Inventory of PCB Storage Sites for information regarding PCB storage and found no information regarding the Phase One Study Area.

4.2.1.3 National PCB Inventory

Environment Canada maintains an inventory of in-use PCB-containing equipment at federal, provincial and private facilities in Canada, and of out-of-service PCB-containing equipment and PCB waste owned by the federal government or federally regulated industries.

EcoLog ERIS completed a search of the National PCB Inventory and found no information regarding the Phase One Study Area.

4.2.1.4 Certificates of Approval

EcoLog ERIS completed a search of the MECP database for information regarding Certificates of Approval (Cs-of-A). The MECP maintains a database of approved Cs-of-A for Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. Prior to November 1, 2011, the MECP mandated that any facility that released emissions to the atmosphere, discharged contaminants to ground or surface water, provided potable water supplies, or stored, transported or disposed of waste, must have a C-of-A before it could operate lawfully. The MECP no longer issues Cs-of-A, which were replaced by Environmental Compliance Approvals (ECAs) as of November 1, 2011.

The EcoLog ERIS search of the C-of-A database identified no information regarding Cs-of-A for the Phase One Study Area.

4.2.1.5 Environmental Compliance Approvals, Permits To Take Water and Certificates of Property Use

EcoLog ERIS completed a search of the MECP database for information regarding ECAs, permits including Permits To Take Water (PTTWs) and Certificates of Property Use (CPUs). Details regarding these databases are provided in the EcoLog ERIS report in Appendix E.

The EcoLog ERIS search of the ECA database identified no ECAs for the Phase One Property and eight ECAs for other properties within the Phase One Study Area. All of these ECAs were for sewage works and municipal water works and no ECAs were identified for discharge to groundwater, which is

considered the primary pathway of concern for contaminant impacts on the Phase One Property. As such, Pinchin does not consider the activities related to ECAs at other properties within the Phase One Study Area to represent an environmental concern to the Phase One Property.

The EcoLog ERIS search of the PTTW and CPU databases identified no information regarding PTTWs or CPUs for the Phase One Study Area.

4.2.1.6 Inventory of Coal Gasification Plants

EcoLog ERIS searched the following publications prepared for the MECP by Intera Technologies Inc. for information on industrial sites that formerly operated as coal gasification plants, and industrial sites that produced or used coal tar and other related tars:

- “*Inventory of Coal Gasification Plant Waste Sites in Ontario*”, dated April 1987; and
- “*Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario*”, dated November 1988.

The EcoLog ERIS search yielded no records of former coal gasification plants or the production or use of coal tar and related tars within the Phase One Study Area.

4.2.1.7 Environmental Incidents, Orders, Offences and Spills

EcoLog ERIS completed a search of the various provincial and federal databases for information regarding environmental incidents, orders, offences and spills. Details regarding the searched databases are provided in the EcoLog ERIS report in Appendix E.

The EcoLog ERIS database search of records of environmental incidents, orders, offences or spills revealed the following for the Phase One Study Area:

- No records were found of environmental incidents, orders, offences or spills for the Phase One Property; and
- No records were found of environmental incidents, orders, offences or spills for other properties within the Phase One Study Area, except for the following:
 - A total of 12 spill records were identified for other properties located within the Phase One Study Area. The majority of the recorded spills were minor in nature (i.e., less than 10-L of liquid spilled), were atmospheric discharges of natural gas, were to the paved roadway and storm sewer system, or occurred greater than 100 m from the Phase One Property. As such, the potential for the documented spills to be causes for environmental concern to the Phase One Property is considered low.



4.2.1.8 Waste Management Records

Waste Generators

EcoLog ERIS completed a search of the O. Reg. 347 Waste Generators database for information regarding waste generation. O. Reg. 347 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. The database search results provide a summary of available waste generation information for the registered sites for all years from 1986 to the present.

The EcoLog ERIS search of the O. Reg. 347 Waste Generators database found no information regarding the Phase One Property.

A total of 26 waste generator records were available for other properties located within the Phase One Study Area. Based on their location and distance relative to the Phase One Property (i.e., greater than 100 m and situated hydraulically downgradient or transgradient of the Phase One Property in relation to the inferred groundwater flow direction), it is Pinchin's opinion that historical hazardous waste generation at these properties is not considered an environmental concern for the Phase One Property.

Waste Receivers

EcoLog ERIS completed a search of the O. Reg. 347 Waste Receivers database for information regarding waste receivers. O. Reg. 347 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 contains 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.

The EcoLog ERIS search of the O. Reg. 347 Waste Receivers database found no information regarding the Phase One Study Area.

4.2.1.9 Fuel Storage Tanks

EcoLog ERIS completed a search of various private, provincial and federal databases for information regarding chemical storage tanks, as well as private and retail fuel storage tanks. Details regarding the searched databases are provided in the EcoLog ERIS report in Appendix E.



The EcoLog ERIS search of the chemical or fuel storage tank databases found no information regarding the Phase One Study Area.

4.2.1.10 Notices and Instruments

EcoLog ERIS completed a search of the provincial Environmental Registry for records pertaining to proposals, decisions, and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. EcoLog ERIS also searched the Record of Site Condition (RSC) database for filed RSCs.

The EcoLog ERIS search of the Environmental Registry and RSC databases found no information regarding the Phase One Study Area.

4.2.1.11 Areas of Natural Significance

EcoLog ERIS reviewed available databases and records to assess whether any parks, wetlands, conservation areas, or other areas of natural significance, are located within the Phase One Study Area. The Area of Natural & Scientific Interest map included in the EcoLog ERIS report in Appendix E did not identify any areas of natural significance within the Phase One Study Area.

4.2.1.12 Landfill Information

EcoLog ERIS reviewed available private and provincial databases for records of any current or inactive landfills and waste disposal sites within the Phase One Study Area. Details regarding the searched databases are provided in the EcoLog ERIS report in Appendix E.

The EcoLog ERIS search of the landfill and waste disposal sites databases found no information regarding the Phase One Study Area.

4.2.1.13 Other EcoLog ERIS Databases

The EcoLog ERIS database search of the Automobile Wrecking and Supplies (AUWR) database identified the following additional information for the Phase One Study Area:

- City Towing, located at 224 Donald Street, was identified within the AUWR database; however, this property is located approximately 215 m west of the Site and is situated hydraulically downgradient in relation to the inferred groundwater flow direction from the Phase One Property. Based on the distance between this property and the Phase One Property, as well as the inferred groundwater flow direction, it is Pinchin's opinion that this property is unlikely to result in subsurface impacts at the Phase One Property.



4.2.2 *Ministry of the Environment, Conservation and Parks Freedom of Information Search*

The MECP Freedom of Information and Protection of Privacy Office in Toronto, Ontario was contacted to determine if records exist for environmental matters such as orders, spills, previous investigations, prosecutions, registered PCB waste storage sites, waste generators, waste receivers, Cs-of-A and ECAs associated with the Phase One Property.

The search was requested on August 14, 2018. At the time of writing this report, no response had been received from the MECP. When a formal response is received, it will be reviewed by Pinchin. If there is any information that represents a potential issue of environmental concern, a copy of the response will be forwarded to the Client under separate cover. Our conclusions and recommendations may be amended based on this information. A copy of Pinchin's request submitted to the MECP is provided in Appendix F of this report.

4.2.3 *Technical Standards and Safety Authority Search*

The TSSA is the regulatory body that governs the safe handling and storage of fuel in Ontario. All storage of gasoline, diesel and fuel oil is subject to the Technical Standards and Safety Act. The Technical Standards and Safety Act and its relevant documents and regulations (e.g., *Liquid Fuels Handling Code*; *Ontario Regulation 213/01 – Fuel Oil*; *Ontario Regulation 217/01 – Liquid Fuels*) require that all fuel storage devices such as aboveground storage tanks (ASTs) and underground storage tanks (USTs) be registered with the TSSA.

The TSSA was contacted to complete an archival search for the Site, in order to establish the status of the Site with respect to its historical files, to identify outstanding instructions, tank registrations, incident reports, fuel/oil spills or contamination records. At the time of writing this report, no response had been received from the TSSA. When a formal response is received, it will be reviewed by Pinchin. If there is any information that represents a potential issue of environmental concern, a copy of the response will be forwarded to the Client under separate cover. Our conclusions and recommendations may be amended based on this information. A copy of Pinchin's request submitted to the TSSA is provided in Appendix G of this report.

4.2.4 *Property Underwriters' Reports and Plans*

Property Underwriters' Reports (PURs) provide detailed information on a site-specific basis, including descriptions of building construction, heating sources, production processes, and the presence of any hazardous chemicals or materials which may have been historically stored on the Phase One Property. They also indicate the presence of environmental hazards such as electrical rooms, transformers, boilers and storage tanks. Information provided on Property Underwriters' Plans (PUPs) includes the location, capacity, and contents of ASTs, USTs, chemical storage and other forms of environmental hazards.



Pinchin contacted Opta to obtain copies of PURs and PUPs related to the Phase One Property. Opta provided a written response, dated August 10, 2018, indicating there were no records on-file for the Phase One Property. A copy of Opta’s response is provided in Appendix D.

4.2.5 City Directories

City directories for the years 1945 to 2011 were reviewed by Pinchin at the Library and Archives of Canada in Ottawa, Ontario. It should be noted that no city directories were available for the City of Ottawa subsequent to 2011. A summary of information obtained with respect to the Phase One Property is provided in the following table:

Year(s)	Occupant Listings for Site Address
1945-1951.	Site not listed.
1952-1960.	261 Columbus Avenue: Residential listing. 265 Columbus Avenue: Residential listing.
1965.	Site not listed.
1970-1991.	261 Columbus Avenue: Residential listing. 265 Columbus Avenue: Residential listing.
1995.	261 Columbus Avenue: Not listed. 265 Columbus Avenue: Residential listing.
2000-2011.	261 Columbus Avenue: Residential listing. 265 Columbus Avenue: Residential listing.

Based on Pinchin’s review of the above-noted city directories, no PCAs were identified at the Phase One Property.

In general, the city directories indicated that the properties in the Phase One Study Area outside of the Phase One Property have been historically occupied by residential, community and institutional land uses since approximately 1948. Based on Pinchin’s review of the above-noted city directories, no PCAs, including historical dry cleaning operations, RFOs or other operations of potential environmental concern, were identified in the Phase One Study Area outside of the Phase One Property.

4.3 Physical Setting Sources

4.3.1 Aerial Photographs

Pinchin reviewed aerial photographs of the Phase One Property and surrounding properties within the Phase One Study Area to assess the potential for historical PCAs. Copies of aerial photographs dated 1945 and 1980 were obtained from the National Air Photo Library in Ottawa, Ontario and reviewed by Pinchin. In addition, digital aerial photographs dated 1928, 1958, 1965, 1976, 1991, 2002, 2007 and 2011 were reviewed on the City of Ottawa e-map website (<http://maps.ottawa.ca/geoOttawa/>) by Pinchin. The 1928 aerial photograph was the earliest available aerial photograph of the Phase One Study Area.

Efforts were made by Pinchin to obtain aerial photographs that:

- Illustrated the period between initial development of the Phase One Property to the present;
- Identified buildings and structures present on the Phase One Property since initial development;
- Identified PCAs within the Phase One Study Area; and
- Identified APECs on the Phase One Property.

It should be noted that accurate details could not be determined from the some of the aerial photographs due to the large reference scale and the low resolution of the photographs.

A summary of information obtained with respect to the Phase One Property from a review of the available aerial photography is provided in the following table:

Year of Photograph	Phase One Property
1928 and 1945.	The Phase One Property appeared to consist of vacant undeveloped land.
1958 and 1965.	Two buildings of similar size and configuration to present-day Site Buildings A and B were evident on the Phase One Property. In addition, two buildings of similar size and configuration to the present-day detached garages located on-Site were also evident.
1976, 1980, 1991, 2002, 2007 and 2011.	Similar to 1958 and 1965; however, an in-ground swimming pool was evident on the northeast portion of the Phase One Property.

A summary of information obtained with respect to the surrounding properties within the Phase One Study Area is provided in the following table:

Year of Photograph	North	East	South	West
1928.	Vacant undeveloped land to beyond 200 m from the Phase One Property.			
1945.	Similar to 1928.		Similar to 1928; however, residential dwellings were evident.	
1958, 1965, 1976, 1980, 1991, 2002, 2007 and 2011.	Residential dwellings followed by present-day Donald Street and additional residential dwellings, similar to the current configuration.	A residential dwelling followed by present-day Edith Avenue and additional residential dwellings, similar to the current configuration.	Present-day Columbus Avenue followed by residential dwellings, present-day Glynn Avenue and additional residential dwellings, similar to the current configuration.	Residential dwellings followed by present-day Quill Street and additional residential dwellings, similar to the current configuration.

Based on the aerial photographs reviewed for the Phase One Property and the surrounding area, it appears that the Phase One Property was developed between 1945 and 1958.

The aerial photograph review did not identify any PCAs within the Phase One Study Area or APECs on the Phase One Property.

4.3.2 Topography, Hydrology and Geology

The elevation of the Phase One Property, based on information obtained from the Ontario Base Map series, is approximately 62 m above mean sea level (mamsl). The general topography in the local and surrounding area is generally flat with a slight grade upwards in elevation to the west and south. No bedrock outcrops were observed on-Site or in the surrounding area.

A review of the available physiographical data indicates that the Phase One Property and the surrounding properties located within the Phase One Study Area are located within alluvial deposits consisting of stratified gravel, sand, silt and clay. Bedrock is expected to consist of sedimentary rocks consisting of limestone, dolomite, shale, argillite, sandstone, quartzite, and/or grit. The topography is considered to be mainly flat to rolling low local relief with dry surface water drainage conditions.

Based on general hydrogeological principles and Pinchin's familiarity with subsurface conditions at and near the Phase One Property and the surrounding properties within the Phase One Study Area, the unconfined groundwater beneath the Phase One Property is expected to flow in a westerly direction. No

water bodies are located within the Phase One Study Area, and the nearest surface water body is the Rideau River located approximately 975 m west of the Phase One Property at an elevation of approximately 57 mamsl.

Copies of pertinent maps, illustrating local topographical, hydrogeological and drainage features are provided in Appendix H.

4.3.3 *Fill Materials*

No evidence of fill material, disturbed soil or buried debris was observed at the Phase One Property during the Site reconnaissance.

4.3.4 *Water Bodies and Areas of Natural Significance*

No water bodies were identified on the Phase One Property or on surrounding properties within the Phase One Study Area.

4.3.5 *Well Records*

A search of the Water Well Information System database by EcoLog ERIS identified no water well records for the Phase One Property and two water well records within the Phase One Study Area. A summary of pertinent information obtained with respect to the wells is provided in the following table:

MECP Well ID (EcoLog ERIS ID)	Location	Stratigraphy	Approximate Depth to Bedrock	Approximate Depth to Water Table
7289479 (WWIS-1)	Approximately 125 m southeast of the Phase One Property	Not specified.	Not specified.	Not specified.
7169093 (WWIS-2)	Approximately 225 m south-southwest of the Phase One Property	Not specified.	Not specified.	Not specified.

The EcoLog ERIS report search results indicated that most of the wells identified within the Phase One Study Area were installed for shallow overburden monitoring and that the margin of error associated with the UTM coordinates is reported to be 10 to 100 m.

The Water Well Information System database search results are provided in the EcoLog ERIS report in Appendix E.



4.4 Site Operating Records

There are no current land uses or records of historical land use that would classify the Phase One Property as an enhanced investigation property (see Section 6.3). As such, Site operating records were not reviewed as part of the Phase One ESA.

5.0 INTERVIEWS

Pinchin interviewed individuals knowledgeable of the Phase One Property and its history to obtain or confirm information regarding the environmental condition of the Phase One Property. The following individuals provided information regarding the history of the Phase One Property and the surrounding properties within the Phase One Study Area to the best of their knowledge:

Person Interviewed	Relationship to Phase One Property	Date and Place of Interview	Interview Method
Mr. Gabriel de Varennes	Current Owner of Phase One Property	August 14, 2018 (Phase One Property)	In-person interview during Site reconnaissance.

Mr. de Verennes was chosen to be interviewed given that he is the current owner of the Phase One Property and is familiar with the recent operational history of the Phase One Property. Mr. de Varennes is referred to herein as the “Site Representative”, and accompanied the Pinchin representative (Mr. Kurt Frommann) during the Site reconnaissance.

Pinchin compared the information obtained from the interviews with information obtained from the historical records. The information provided by the interviewees was corroborated by the available historical records. As such, Pinchin has no concerns regarding the validity of the information provided by the individuals interviewed for the Phase One ESA.

Pinchin compared the information obtained from the interviews with information obtained from the historical records. With respect to PCAs and APECs, no additional information was obtained from the interviews other than that documented elsewhere in this report, with the exception of the following:

- The Site Representative indicated that the current residential tenant at 265 Columbus Avenue had occasionally completed oil changes on work vehicles within the detached garage building. In addition, minor black (likely petroleum hydrocarbon (PHC)) staining was observed on the concrete floor slab within this detached garage building; however, the concrete was observed to be in good condition (i.e., very minor cracking) and no floor drains were observed in the vicinity of the staining. Pinchin concludes that this area of the Site represents a PCA at the Phase One Property; however, based on the minor nature

of the above-noted activities, as well as observations made during Pinchin's Site reconnaissance, it is Pinchin's opinion that this PCA is unlikely to result in potential subsurface impacts at the Phase One Property.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area was conducted for the purpose of identifying the presence of possible PCAs and associated APECs.

The Site reconnaissance was completed on August 14, 2018, by a Pinchin representative (i.e., Mr. Kurt Frommann), under the direct supervision of Pinchin's QP overseeing this project. Mr. Frommann is an Environmental Project Manager with more than seven years of environmental consulting experience. Pinchin visited the Phase One Property and surrounding properties within the Phase One Study Area to document environmental conditions. During the Site reconnaissance, Pinchin viewed all accessible areas within the Phase One Property and viewed publicly-accessible portions of the adjacent lands for the presence of actual or potential issues of environmental concern.

The Site reconnaissance was conducted between the hours of 9:00 AM and 11:00 AM. During the Site reconnaissance, the weather was overcast and dry, and the ambient temperature was approximately 25° Celsius with a slight breeze from the northeast. The Phase One Property reconnaissance was conducted on foot and consisted of a full walk-through of the Phase One Property. There were no access restrictions for Pinchin for the Phase One Property with the exception of the rooftops, which could not be accessed at the time of the Site reconnaissance. At the time of the Site reconnaissance, Site Building A at the Phase One Property was vacant, and Site Building B was occupied by a residential tenant.

Photographs taken during the Site reconnaissance that illustrate the interior and exterior of the Site Building, Phase One Property and Phase One Study Area are provided in Appendix B.

6.2 Specific Observations at Phase One Property

6.2.1 Description of Buildings and Structures

During the Site reconnaissance, Pinchin observed four buildings/structures on the Phase One Property. The buildings consisted of a single-storey residential dwelling (Site Building A) and associated detached garage building located at 261 Columbus Avenue, and a two-storey residential dwelling (Site Building B) and associated detached garage building located at 265 Columbus Avenue. The Site Representative



reported that based on information gathered from 'Geowarehouse.ca', Site Building A was constructed in approximately 1948 and Site Building B was constructed in approximately 1952.

The portion of the Phase One Property outside of the Site Buildings and associated detached garage buildings comprised primarily of paved driveways and grassed/landscaped areas, with an in-ground swimming pool located north of Site Building B.

6.2.2 Description of Below-Ground Structures

During the Site reconnaissance, Pinchin did not observe any current below-ground structures on the Phase One Property, with the exception of single basement levels beneath each Site Building, which consisted primarily of living areas, a laundry area and furnace/storage rooms. In addition, a concrete storm water sump pit is located within the furnace/storage room in Site Building B. The sump was observed to be approximately 0.75 m deep and free of any evidence of cracks and staining, and is expected to connect to the outside storm sewer system. In addition, the sump appeared dry during Pinchin's Site reconnaissance. The catch basin is not considered to be a potential environmental concern for the Phase One Property.

6.2.3 Description of Tanks

During the Site reconnaissance, Pinchin did not observe any tanks on the Phase One Property for the purpose of either fuel dispensing or storage, or other unidentified substance storage.

6.2.4 Potable and Non-Potable Water Sources

During the Site reconnaissance, Pinchin did not observe potable or non-potable water sources on the Phase One Property. The Phase One Property is serviced by a municipal water supply via underground piping that is inferred to run from Columbus Avenue into the Site Building.

6.2.5 Description and Location of Underground Utilities

A number of underground utilities were observed on the Phase One Property, including natural gas, telephone and electrical lines, and municipal water, storm and sanitary sewer lines.

The natural gas, telephone, electrical, water and sanitary sewer services enter the Site Building via underground lines running from Columbus Avenue into the Site Building. Storm water entering exterior roof drains would likely run overland and percolate naturally through the soil or discharge into the municipal storm water system via catch basins located along Columbus Avenue.

6.2.6 Entry and Exit Points

The main man-door entry/exit points for tenants of the Site Buildings are located along the south elevations of the Site Buildings, adjacent to the parking areas. Secondary entry/exit points to the Site Buildings are located along the north elevations of the Site Buildings, adjacent to the private yards.

6.2.7 Details of Heating System

During the Site reconnaissance, Pinchin observed two natural gas-fired forced air heating units (one within each Site Building).

6.2.8 Details of Cooling System

During the Site reconnaissance, Pinchin observed two pad-mounted air conditioning units located adjacent to each Site Building. The air conditioners were noted to be a newer model, and as such are not expected to contain ozone-depleting substances (ODSs).

6.2.9 Details of Drains, Pits and Sumps

A concrete storm water sump pit was observed within the basement level of Site Building B that captures storm water from a weeping tile system located around the Site Building foundation. The sump was observed to be approximately 0.75 m deep and free of any evidence of cracks and staining, and is expected to connect to the outside storm sewer system. In addition, the sump appeared dry during Pinchin's Site reconnaissance.

With the exception of this sump, Pinchin did not observe any drains, pits or sumps during the Site reconnaissance. The sump is not considered to be a potential environmental concern.

6.2.10 Unidentified Substances within Buildings and Structures

During the Site reconnaissance, Pinchin did not observe any unidentified substances or storage containers holding unidentified substances at the Phase One Property. Small volumes of various cleaning solutions were stored in their original containers on shelves within each Site Building. No bulk liquid storage was observed on-Site.

6.2.11 Details of Staining and Corrosion

During the Site reconnaissance, Pinchin did not observe any areas of staining or corrosion inside the Site Buildings, or in the vicinity of the floor drains, pits, sump and cracked floor areas, except for minor areas of black (likely PHC) stained concrete within the detached garage building adjacent to Site Building B (265 Columbus Avenue). However, the concrete was observed to be in good condition (i.e., very minor cracking) and no floor drains were observed in the vicinity of the staining. Pinchin concludes that this area of the Site represents a PCA at the Phase One Property; however, based on the minor nature of the

above-noted activities, as well as observations made during Pinchin's Site reconnaissance, it is Pinchin's opinion that this PCA is unlikely to result in potential subsurface impacts at the Phase One Property.

6.2.12 Details of On-Site Wells

No water supply or groundwater monitoring wells were observed to be on or within the Phase One Property. No water supply or groundwater monitoring wells were reported by the Site owner to have been on-Site, prior to, or during their occupancy.

6.2.13 Details of Sewage Works

During the Site reconnaissance, Pinchin did not observe any sewage works or evidence of sewage disposal on the Phase One Property, with the exception of a main sanitary sewer pipe that exits through the Site Buildings and is inferred to connect to the municipal sewer under Columbus Avenue.

6.2.14 Details of Ground Cover

During the Site reconnaissance, Pinchin visually inspected the Phase One Property ground cover. Any areas of the Phase One Property not covered by a structure are primarily covered by asphalt-pavement and landscaped/grassed areas, with an in-ground swimming pool located north of Site Building B.

6.2.15 Details of Current or Former Railways

No current or former railway infrastructure was observed on the Phase One Property.

6.2.16 Areas of Stained Soil, Vegetation and Pavement

During the Site reconnaissance, Pinchin did not observe any areas of stained soil, vegetation or pavement on the Phase One Property, with the exception of the following:

- The Site Representative indicated that the current residential tenant at 265 Columbus Avenue had occasionally completed oil changes on work vehicles within the detached garage building. In addition, minor black (likely PHC) staining was observed on the concrete floor slab within this detached garage building; however, the concrete was observed to be in good condition (i.e., very minor cracking) and no floor drains were observed in the vicinity of the staining. Pinchin concludes that this area of the Site represents a PCA at the Phase One Property; however, based on the minor nature of the above-noted activities, as well as observations made during Pinchin's Site reconnaissance, it is Pinchin's opinion that this PCA is unlikely to result in potential subsurface impacts at the Phase One Property.



6.2.17 Areas of Stressed Vegetation

During the Site reconnaissance, Pinchin did not observe any areas of stressed vegetation on the Phase One Property.

6.2.18 Areas of Fill and Debris Materials

No obvious areas where fill material or debris have been placed or graded were observed by Pinchin at the Phase One Property; however, regrading and minor fill placement at the Phase One Property may have previously occurred during initial development activities to prepare the Site Buildings' locations, parking areas and access to the Phase One Property, and to establish drainage patterns. The quality of the fill material used on-Site is unknown, but may contain elevated concentrations of contaminants of environmental concern, in particular metals and polycyclic aromatic hydrocarbons. However, it should be noted that nothing was identified during this Phase One ESA that would indicate the potential for any fill material to contain elevated concentrations of contaminants of environmental concern.

6.2.19 Potentially Contaminating Activities

A PCA is defined by O. Reg. 153/04 as a "use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a Phase One Study Area" including the Phase One Property.

The following PCA was observed on the Phase One Property during the Site reconnaissance:

- Item 52 – Storage, Maintenance, and Repair of Equipment, Vehicles, and Material Used to Maintain Transportation Systems (former occasional oil changes reportedly completed on work vehicles within the detached garage building at 265 Columbus Avenue).

Details regarding the PCA (e.g., locations, potential contaminants of concern, and rationale for inclusion) are provided in the above relevant sections of this report, and are further summarized in Section 7.2.

6.2.20 Unidentified Substances Outside Buildings and Structures

During the Site reconnaissance, Pinchin did not observe any unidentified substances or storage containers holding unidentified substances on the exterior of the Phase One Property.

6.3 Enhanced Investigation Property

O. Reg. 153/04 defines an "enhanced investigation property" as a property that is being used or has been used, in whole or in part, in the following manner:

- For an industrial use or;
- For any of the following commercial uses:
 - As a garage;

- As a bulk liquid dispensing facility, including a gasoline outlet; or
- For the operation of dry cleaning equipment.

The findings of this Phase One ESA have not documented any of the above land uses as occurring at the Phase One Property, and the Phase One Property is therefore not an enhanced investigation property.

6.4 Written Description of Investigation

The Phase One ESA completed by Pinchin included investigations of the Phase One Property and the Phase One Study Area outside of the Phase One Property pursuant to Sections 13 and 14 of Schedule D of O. Reg.153/04. The main objective of these investigations was to identify PCAs at the Phase One Property or within the Phase One Study Area outside of the Phase One Property that could have resulted in APECs at the Phase One Property.

6.4.1 Phase One Property

The investigation of the Phase One Property consisted of the following components:

- Review of available historical records, including an FIP, EcoLog ERIS regulatory search, information obtained through MECP Freedom of Information and TSSA requests, city directories, aerial photographs and well records;
- A Site reconnaissance completed on August 14, 2018, by Mr. Kurt Frommann of Pinchin that included an assessment of structures at the Phase One Property and the exterior of the Phase One Property;
- Interviews with an individual knowledgeable of the history and operations at the Phase One Property; and
- Review of mapping provided by EcoLog ERIS for the presence of areas of natural significance.

Pinchin's investigation of the Phase One Property identified the following PCA:

- Item 52 – Storage, Maintenance, and Repair of Equipment, Vehicles, and Material Used to Maintain Transportation Systems (former occasional oil changes reportedly completed on work vehicles within the detached garage building at 265 Columbus Avenue). The Site Representative indicated that the current residential tenant at 265 Columbus Avenue had occasionally completed oil changes on work vehicles within the detached garage building. In addition, minor black (likely PHC) staining was observed on the concrete floor slab within this detached garage building; however, the concrete was observed to be in good condition (i.e., very minor cracking) and no floor drains were observed in the vicinity

of the staining. Pinchin concludes that this area of the Site represents a PCA at the Phase One Property; however, based on the minor nature of the above-noted activities, as well as observations made during Pinchin's Site reconnaissance, it is Pinchin's opinion that this PCA is unlikely to result in potential subsurface impacts at the Phase One Property.

No areas of natural significance were identified at the Phase One Property.

6.4.2 Phase One Study Area Outside of Phase One Property

The investigation of the Phase One Study Area outside of the Phase One Property consisted of the following components:

- Review of available historical records, including an FIP, EcoLog ERIS regulatory search, city directories and aerial photographs;
- Visual inspection of properties from publicly-accessible areas for evidence of PCAs and water bodies; and
- Review of mapping provided by EcoLog ERIS for the presence of areas of natural significance.

Pinchin's investigation of the Phase One Study Area outside of the Phase One Property identified the following PCA within the Phase One Study Area:

- Item 49 – Salvage Yard, including automobile wrecking (City Towing, located at 224 Donald Street, which was identified within the AUWR database); however, this property is located approximately 215 m west of the Site and is situated hydraulically downgradient in relation to the inferred groundwater flow direction from the Phase One Property. Based on the distance between this property and the Phase One Property, as well as the inferred groundwater flow direction, it is Pinchin's opinion that this property is unlikely to result in subsurface impacts at the Phase One Property.

No areas of natural significance were identified within the Phase One Study Area outside of the Phase One Property.

Based on a cursory review of the properties greater than 250 m (i.e., outside of the Phase One Study Area), but less than 1 km, from the Phase One Study Area, Pinchin did not note or observe any significant contaminating properties that should be included as part of this assessment (i.e., landfills, large industrial manufacturers, etc.).

A plan identifying the locations of the PCAs for which this Phase One ESA applies to is provided as Figure 3.



7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

The following table is a summary of the current and past land uses of the Phase One Property:

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIP, etc.
Prior to 1948	Unknown	Assumed vacant undeveloped land	Vacant	The 1928 aerial photograph appeared to depict the Phase One Property as vacant undeveloped land. In addition, the Site Representative indicated that Site Building A was the first building constructed on the Phase One Property, and was constructed in approximately 1948.
1948 – 1951	Unknown/ residential land owner	Residential, and vacant undeveloped land	Residential, and vacant undeveloped land	The Site Representative indicated that Site Building A was the first building constructed on the Phase One Property, and was constructed in approximately 1948.

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIP, etc.
1952 – between 1965 and 1976.	Unknown/ residential land owner	Residential, and vacant undeveloped land	Residential, and vacant undeveloped land	The Site Representative indicated that Site Building A was constructed on the Phase One Property in approximately 1948, and both Site Buildings and associated detached garages were present on-Site in the 1958 aerial photograph reviewed by Pinchin.
Between 1965 and 1976 – present	Unknown/ residential land owner	Residential, and vacant undeveloped land	Residential, and vacant undeveloped land	Similar to above; however, an in-ground swimming pool was present on-Site in the 1976 aerial photograph and was present during Pinchin’s Site reconnaissance.

To the best of Pinchin’s knowledge, the Phase One Property was undeveloped until the construction of Site Building A (and likely the associated detached garage building) in approximately 1948. Construction of Site Building B (and likely the associated detached garage building) followed in approximately 1952. The usage of the Phase One Property prior to the construction of the Site Buildings is inferred to have consisted of vacant undeveloped land. Subsequent to the construction of the Site Buildings, the Phase One Property has been occupied solely by various residential tenants (as per the city directory searches, configuration of the Site Buildings, and information provided by the Site Representative).

It is Pinchin’s opinion that the date of the first developed use of the Phase One Property is approximately 1948, with the construction of Site Building A and the associated detached garage building on the Phase One Property. The date of the first developed use of the Phase One Property was determined through a review of aerial photographs and city directories, as well as information provided by the Site Representative. No other historical records were available to Pinchin that provided information for determining the date of first developed use of the Phase One Property.

7.2 Potentially Contaminating Activities

The following PCA as defined by O. Reg. 153/04 was documented by Pinchin to have occurred at the Phase One Property:

- Item 52 – Storage, Maintenance, and Repair of Equipment, Vehicles, and Material Used to Maintain Transportation Systems (former occasional oil changes reportedly completed on work vehicles within the detached garage building at 265 Columbus Avenue). The Site Representative indicated that the current residential tenant at 265 Columbus Avenue had occasionally completed oil changes on work vehicles within the detached garage building. In addition, minor black (likely PHC) staining was observed on the concrete floor slab within this detached garage building; however, the concrete was observed to be in good condition (i.e., very minor cracking) and no floor drains were observed in the vicinity of the staining. Pinchin concludes that this area of the Site represents a PCA at the Phase One Property; however, based on the minor nature of the above-noted activities, as well as observations made during Pinchin's Site reconnaissance, it is Pinchin's opinion that this PCA is unlikely to result in potential subsurface impacts at the Phase One Property.

The following PCA as defined by O. Reg. 153/04 was documented by Pinchin to have occurred within the Phase One Study Area outside of the Phase One Property:

- Item 49 – Salvage Yard, including automobile wrecking (City Towing, located at 224 Donald Street, which was identified within the AUWR database); however, this property is located approximately 215 m west of the Site and is situated hydraulically downgradient in relation to the inferred groundwater flow direction from the Phase One Property. Based on the distance between this property and the Phase One Property, as well as the inferred groundwater flow direction, it is Pinchin's opinion that this property is unlikely to result in subsurface impacts at the Phase One Property.

Additional PCAs (i.e., off-Site transformers) were identified within the Phase One Study Area outside of the Phase One Property, but these are not considered to represent an environmental concern for the Phase One Property due to the distance from the Phase One Property and/or the hydraulic downgradient/transgradient location of the PCAs relative to the Phase One Property.

7.3 Areas of Potential Environmental Concern

No APECs were identified at the Phase One Property and within the Phase One Study Area.

7.4 Phase One Conceptual Site Model

A conceptual site model (CSM) has been created to provide a summary of the findings of the Phase One ESA. The Phase One CSM is summarized in Figures 1 through Figure 3, which illustrate the following features within the Phase One Study Area, where present:

- Existing buildings and structures;
- Water bodies located in whole or in part within the Phase One Study Area;
- Areas of natural significance located in whole or in part within the Phase One Study Area;
- Drinking water wells located at the Phase One Property;
- Land use of adjacent properties;
- Roads within the Phase One Study Area;
- PCAs within the Phase One Study Area, including the locations of tanks; and
- APECs at the Phase One Property.

The following provides a narrative summary of the Phase One CSM:

- The Phase One Property is a rectangular-shaped parcel of land approximately 0.34 acres (0.14 hectares) in size, located on the north side of Columbus Avenue, approximately 20 m west of Edith Avenue, in the City of Ottawa. The Phase One Property is improved with a single-storey residential dwelling (Site Building A) and associated detached garage building located on the west portion, as well as a two-storey residential dwelling (Site Building B) and associated detached garage building located on the east portion. The Phase One Property consisted of vacant undeveloped land until its initial development (i.e., construction of Site Building A and the associated detached garage building) in approximately 1948, and subsequent development of Site Building B and the associated detached garage building in approximately 1952. There is no record of industrial use or of a commercial use (e.g., garage, bulk liquid dispensing facility or dry cleaner) that would require classifying the Phase One Property as an enhanced investigation property;
- No water bodies are located within the Phase One Study Area, and the nearest surface water body is the Rideau River located approximately 975 m west of the Phase One Property at an elevation of approximately 57 mamsl;
- No areas of natural significance were identified within the Phase One Study Area;
- No drinking water wells were located on the Phase One Property;



- The Phase One Property is located in an area that consists of residential, community and institutional land uses. The properties located north of the Phase One Property consist of residential dwellings followed by Donald Street and additional residential dwellings to beyond 200 m from the Phase One Property. The properties located east of the Phase One Property consist of a residential dwelling followed by Edith Avenue and additional residential dwellings to beyond 200 m from the Phase One Property. The properties located south of the Phase One Property consist of Columbus Avenue followed by residential dwellings, Glynn Avenue and additional residential dwellings to beyond 200 m from the Phase One Property. The properties located west of the Phase One Property consist of residential dwellings followed by Quill Street and additional residential dwellings to beyond 200 m from the Phase One Property;
- A total of two PCAs were identified within the Phase One Study Area, consisting of one PCA at the Phase One Property and one PCA within the Phase One Study Area, outside of the Phase One Property. The PCAs are described below:
 - Item 52 – Storage, Maintenance, and Repair of Equipment, Vehicles, and Material Used to Maintain Transportation Systems (former occasional oil changes reportedly completed on work vehicles within the detached garage building at 265 Columbus Avenue). The Site Representative indicated that the current residential tenant at 265 Columbus Avenue had occasionally completed oil changes on work vehicles within the detached garage building. In addition, minor black (likely PHC) staining was observed on the concrete floor slab within this detached garage building; however, the concrete was observed to be in good condition (i.e., very minor cracking) and no floor drains were observed in the vicinity of the staining. Pinchin concludes that this area of the Site represents a PCA at the Phase One Property; however, based on the minor nature of the above-noted activities, as well as observations made during Pinchin's Site reconnaissance, it is Pinchin's opinion that this PCA is unlikely to result in potential subsurface impacts at the Phase One Property; and
 - Item 49 – Salvage Yard, including automobile wrecking (City Towing, located at 224 Donald Street, which was identified within the AUWR database); however, this property is located approximately 215 m west of the Site and is situated hydraulically downgradient in relation to the inferred groundwater flow direction from the Phase One Property. Based on the distance between this property and the Phase One Property, as well as the inferred groundwater flow direction, it is

Pinchin's opinion that this property is unlikely to result in subsurface impacts at the Phase One Property.

- Underground utilities at the Phase One Property provide potable water, natural gas, electrical, telephone, cable and sewer services to the Site Building. Plans were not available to confirm the depths of these utilities, but they are estimated to be located approximately 2 to 3 m below ground surface (mbgs). The depth to groundwater at the Phase One Property is estimated to be approximately 12 mbgs, and the utility corridors are expected to be well above the water table and would not act as preferential pathways for contaminant distribution and transport in the event that shallow subsurface contaminants exist at the Phase One Property;
- The Phase One Property and the surrounding properties located within the Phase One Study Area are located within alluvial deposits consisting of stratified gravel, sand, silt and clay. Bedrock is expected to consist of sedimentary rocks consisting of limestone, dolomite, shale, argillite, sandstone, quartzite, and/or grit; and
- The Phase One Property is relatively flat with little relief. The area surrounding the Phase One Property is generally flat with a slight grade upwards in elevation to the west and south. Local groundwater flow is inferred to be to the west, based on the location of the Rideau River. Regional groundwater flow is inferred to be to the northwest, towards the Rideau River.

There were no deviations from the Phase One ESA requirements specified in O. Reg. 153/04 or absence of information that have resulted in uncertainty that would affect the validity of the Phase One CSM.

8.0 CONCLUSIONS

Pinchin conducted this Phase One ESA in accordance with Part VII and Schedule D of O. Reg. 153/04. The purpose of the Phase One ESA was to assess the potential presence of environmental impacts at the Phase One Property due to activities at and near the Phase One Property for the purpose of filing a Site Plan Approval with the City of Ottawa in preparation for the future development of the Phase One Property.

The review of information obtained from historical records, interviews and a Site reconnaissance completed by Pinchin for the Phase One ESA did not identify any PCAs at the Phase One Property or within the Phase One Study Area outside of the Phase One Property (i.e., off-Site) that are considered to result in APECs to Phase One Property. One on-Site PCA and one off-Site PCA were identified, but these PCAs are not considered to result in APECs at the Phase One Property given the observations made during Pinchin's Site reconnaissance, as well as the distance between the off-Site PCA and the Phase



One Property and the inferred groundwater flow direction within the Phase One Study Area. Based on these findings, nothing was identified that is likely to have resulted in impacts to the soil, groundwater and sediment at the Phase One Property and would require the completion of a Phase Two ESA. As such, it is Pinchin's opinion that the Phase One Property is suitable for the filing of a Site Plan Approval application with the City of Ottawa based only on the completion of this Phase One ESA report.

It should be noted that the references and sources for the information used in evaluating the Phase One Property are provided in the relevant sections of this report. Furthermore, specific references are also summarized in Section 9.0.

8.1 Signatures

This Phase One ESA was undertaken under the supervision of Scott Mather, P.Eng, QP_{ESA} in accordance with the requirements of O. Reg. 153/04 to support the filing of a Site Plan Approval application for the Phase One Property. The conclusions and recommendations provided in this report represent the best judgement of the assessor based on the Site conditions observed on August 14, 2018, and a review of available historical information and information obtained from interviews.

This report has been issued without having received responses to requests for information from the MECP or the TSSA. Pinchin reserves the right to amend our conclusions and recommendations based on information obtained from these regulatory agencies.

We trust that the information provided in this report meets your current requirements.

8.2 Terms and Limitations

This Phase One ESA was performed in order to identify potential issues of environmental concern associated with the property located at 261 and 265 Columbus Avenue in Ottawa, Ontario (Site), at the time of the Site reconnaissance. This Phase One ESA was performed in general compliance with currently acceptable practices for environmental site investigations, and specific Client requests, as applicable to this Site. This report was prepared for the exclusive use of 2645191 Ontario Inc. (Client), subject to the terms, conditions and limitations contained within the duly authorized work plan for this project. 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 parties. Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted.

If additional parties require reliance on this report, written authorization from Pinchin will be required. Such reliance will only be provided by Pinchin following written authorization from the Client. Pinchin disclaims responsibility of consequential financial effects on transactions or property values, or



requirements for follow-up actions and costs. No other warranties are implied or expressed. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law.

The information provided in this report is based upon analysis of available documents, records and drawings, and personal interviews. In evaluating the Site, Pinchin has relied in good faith on information provided by other individuals noted in this report. Pinchin has assumed that the information provided is factual and accurate. In addition, the findings in this report are based, to a large degree, upon information provided by the current owner/occupant. Pinchin accepts 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 contained in reports that were reviewed. The scope of work for this Phase One ESA did not include a visual or intrusive investigation for designated substances (e.g., asbestos, mould, PCB-containing electrical equipment, etc.) and, therefore, these materials may be present at the Site.

Pinchin makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are subject to interpretation and these interpretations may change over time.

Ontario Regulation 153/04 does not apply to environmental auditing or environmental management systems. Therefore, with respect to Site operations and conditions, compliance with applicable federal, provincial or municipal acts, regulations, laws and/or statutes was not evaluated as part of the Phase One ESA.

9.0 REFERENCES

The following documents, persons or organizations provided information used in this report:

- Mr. Gabriel de Verennes, Client and Current Owner of the Phase One Property (Site Representative).
- EcoLog ERIS report entitled “SPA Phase One ESA, 261 and 265 Columbus Avenue, Ottawa, ON”, and dated August 10, 2018 (ERIS Project # 20180807021).
- Opta Information Intelligence “261 and 265 Columbus Ave, Ottawa, ON”, and dated August 10, 2018 (Opta Order ID: 52037).
- The Atlas of Canada – Surficial Materials:
<http://atlas.nrcan.gc.ca/site/english/maps/environment/land/surficialmaterials/1>



- The Atlas of Canada – Bedrock Geology:
<http://atlas.gc.ca/site/english/maps/archives/3rdedition/environment/land/016?w=4&h=4&l=6&r=4&c=12>.
- Toporama – Topographic Maps:
<http://atlas.gc.ca/site/english/maps/topo/map>.
- Province of Ontario. Environmental Protection Act R.S.O. 1990, c. E.19 and Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act. Last amended by Ontario Regulation 333/13 on December 13, 2013.
- Canadian Standards Association (CSA) Standard. CSA Z768-01, Phase I Environmental Site Assessment, Canadian Standards Association International, November 2001, reaffirmed in 2012.
- National Air Photo Library, Ottawa, Ontario.
- Library and Archives of Canada, Ottawa, Ontario.
- Technical Standards & Safety Authority.
- The City of Ottawa.
- Ministry of the Environment, Conservation and Parks.
- MECP Brownfields Environmental Site Registry.
- Google Earth™ Satellite Imagery.
- Intera Technologies Inc. *Inventory of Coal Gasification Plant Waste Sites in Ontario*. April 1987.
- Intera Technologies Inc. *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario*. November 1988.

226649 SPA Phase One ESA 261 and 265 Columbus Ave Ottawa ON 2645191 Ontario Inc.docx

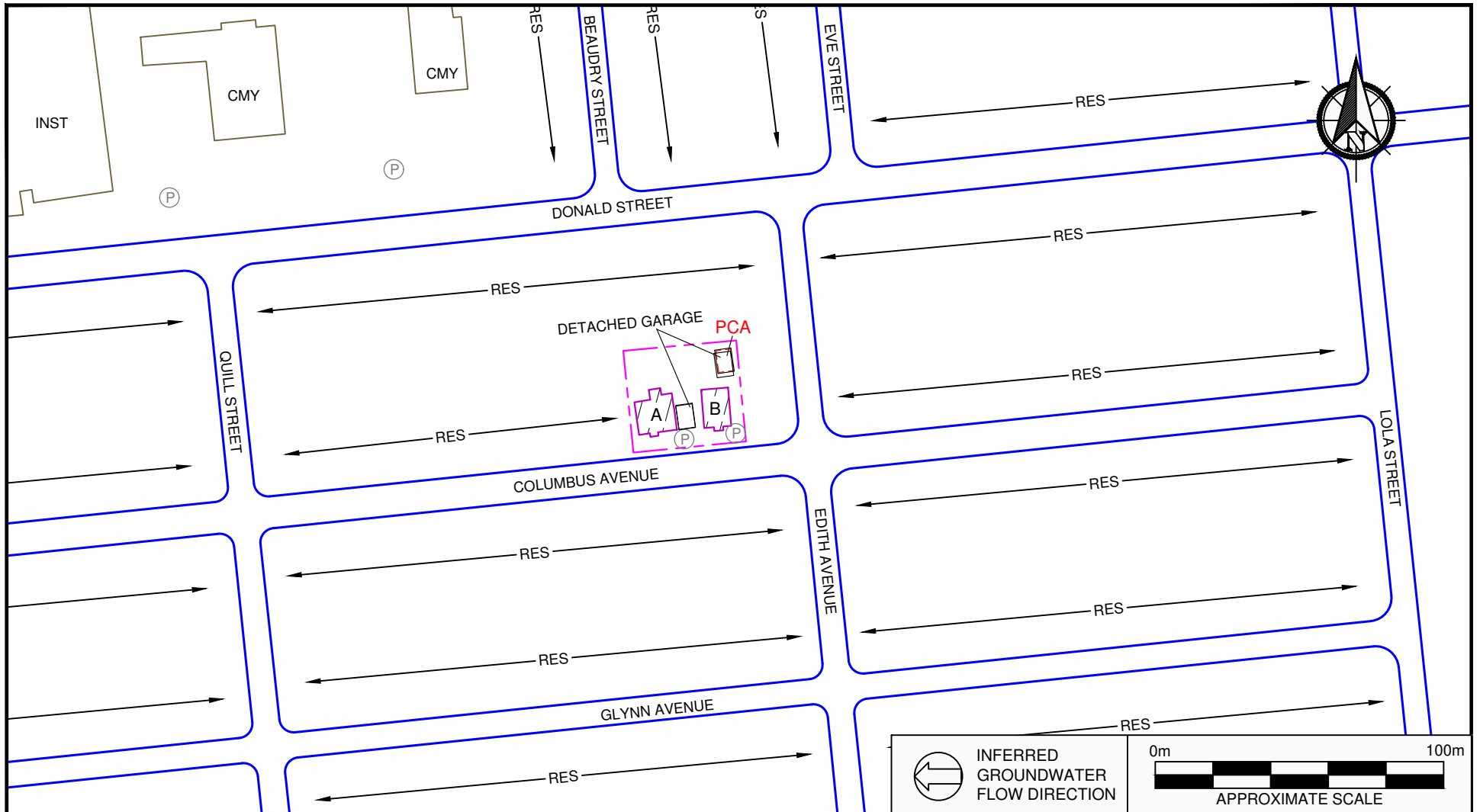
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10.0 APPENDICES

APPENDIX A
Figures

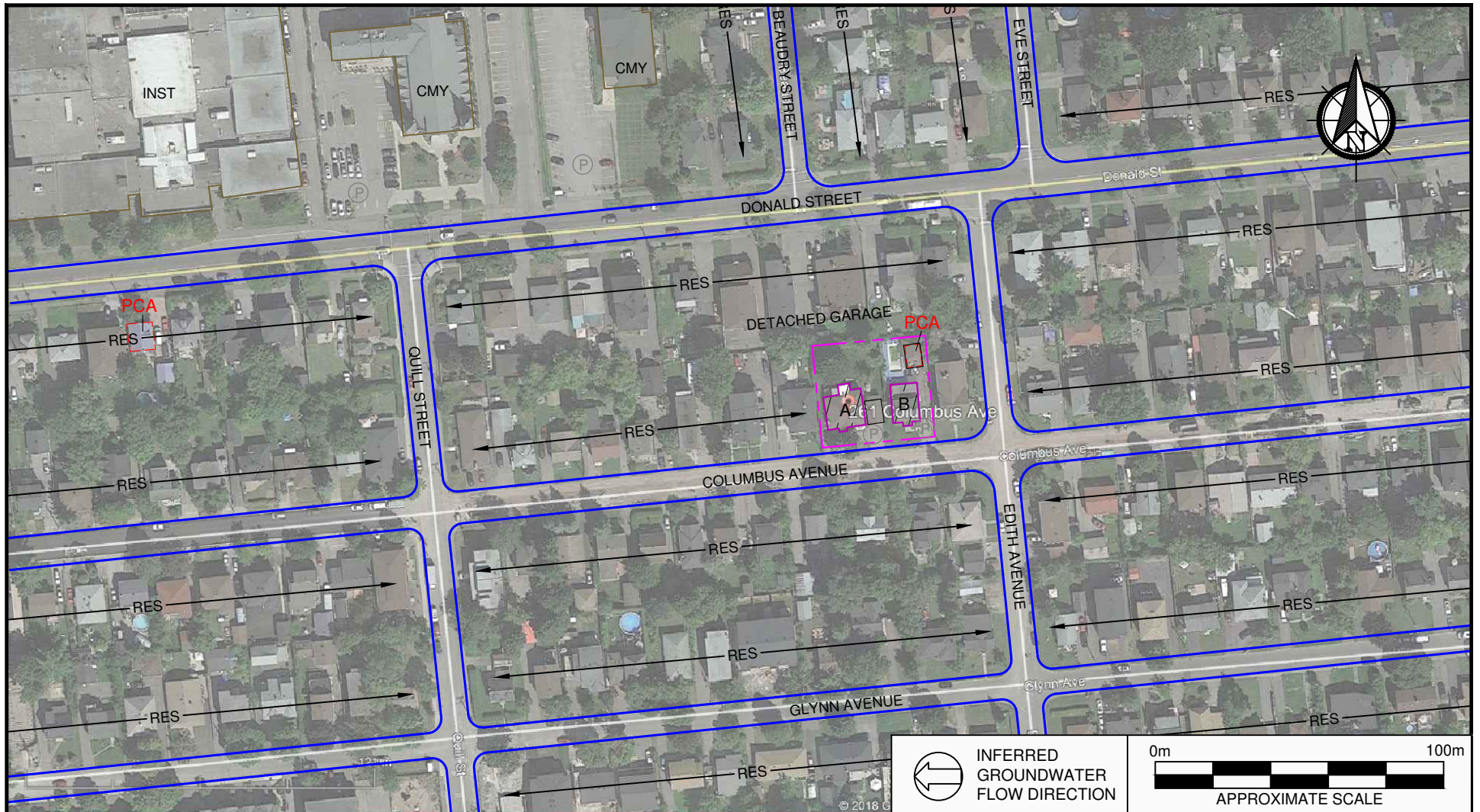


PROJECT NAME			
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT			
CLIENT NAME			
2645191 ONTARIO INC.			
PROJECT LOCATION			
261 AND 265 COLUMBUS AVENUE, OTTAWA, ONTARIO			
FIGURE NAME			FIGURE NO.
KEY MAP			
APPROXIMATE SCALE	PROJECT NO.	DATE	1
AS SHOWN	226649	AUGUST 2018	



LEGEND	
	SITE BOUNDARY
	SITE BUILDINGS
RES	RESIDENTIAL
CMY	COMMUNITY
(P)	PARKING

PROJECT NAME PHASE ONE ENVIRONMENTAL SITE ASSESSMENT		
CLIENT NAME 2645191 ONTARIO INC.		
PROJECT LOCATION 261 AND 265 COLUMBUS AVENUE, OTTAWA, ONTARIO		
FIGURE NAME PHASE ONE STUDY AREA		FIGURE NO. 2
APPROXIMATE SCALE AS SHOWN	PROJECT NO. 226649	DATE AUGUST 2018



LEGEND	
	SITE BOUNDARY
	SITE BUILDINGS
RES	RESIDENTIAL
CMY	COMMUNITY
	PARKING
PCA	POTENTIALLY CONTAMINATING AREA

PROJECT NAME			FIGURE NO.
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT			
CLIENT NAME			3
2645191 ONTARIO INC.			
PROJECT LOCATION			FIGURE NO.
261 AND 265 COLUMBUS AVENUE, OTTAWA, ONTARIO			
FIGURE NAME			3
POTENTIALLY CONTAMINATING ACTIVITIES			
APPROXIMATE SCALE	PROJECT NO.	DATE	3
AS SHOWN	226649	AUGUST 2018	

APPENDIX B
Photographs



Photo 1 – General view of the Phase One Property (looking north from Columbus Avenue).



Photo 2 – Site Building A (south elevation).



Photo 3 – Site Building A (west elevation).



Photo 4 – Detached garage building associated with Site Building A.



Photo 5 – Site Building B (south elevation).



Photo 6 – Site Building B (east elevation).



Photo 7 – Detached garage building associated with Site Building B.

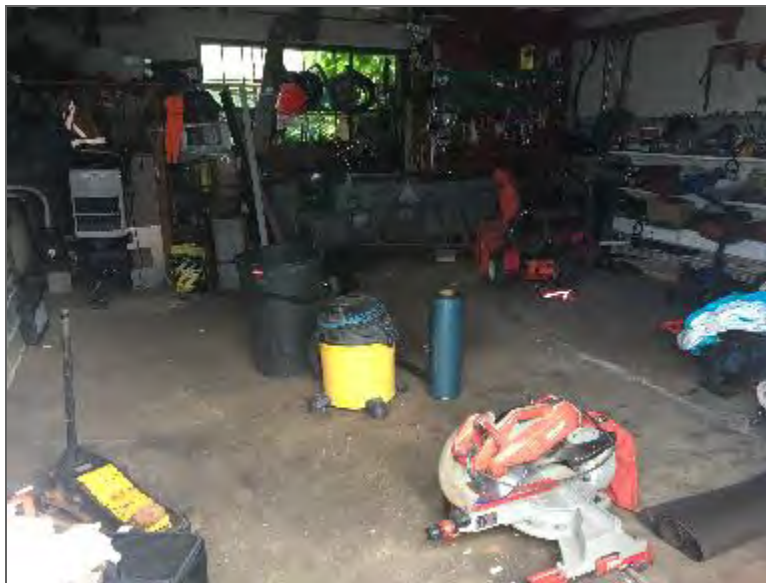


Photo 8 – General view of minor black staining observed within the detached garage building associated with Site Building B (PCA).



Photo 9 – Properties located north of the Phase One Property.



Photo 10 – Property located south of the Phase One Property.



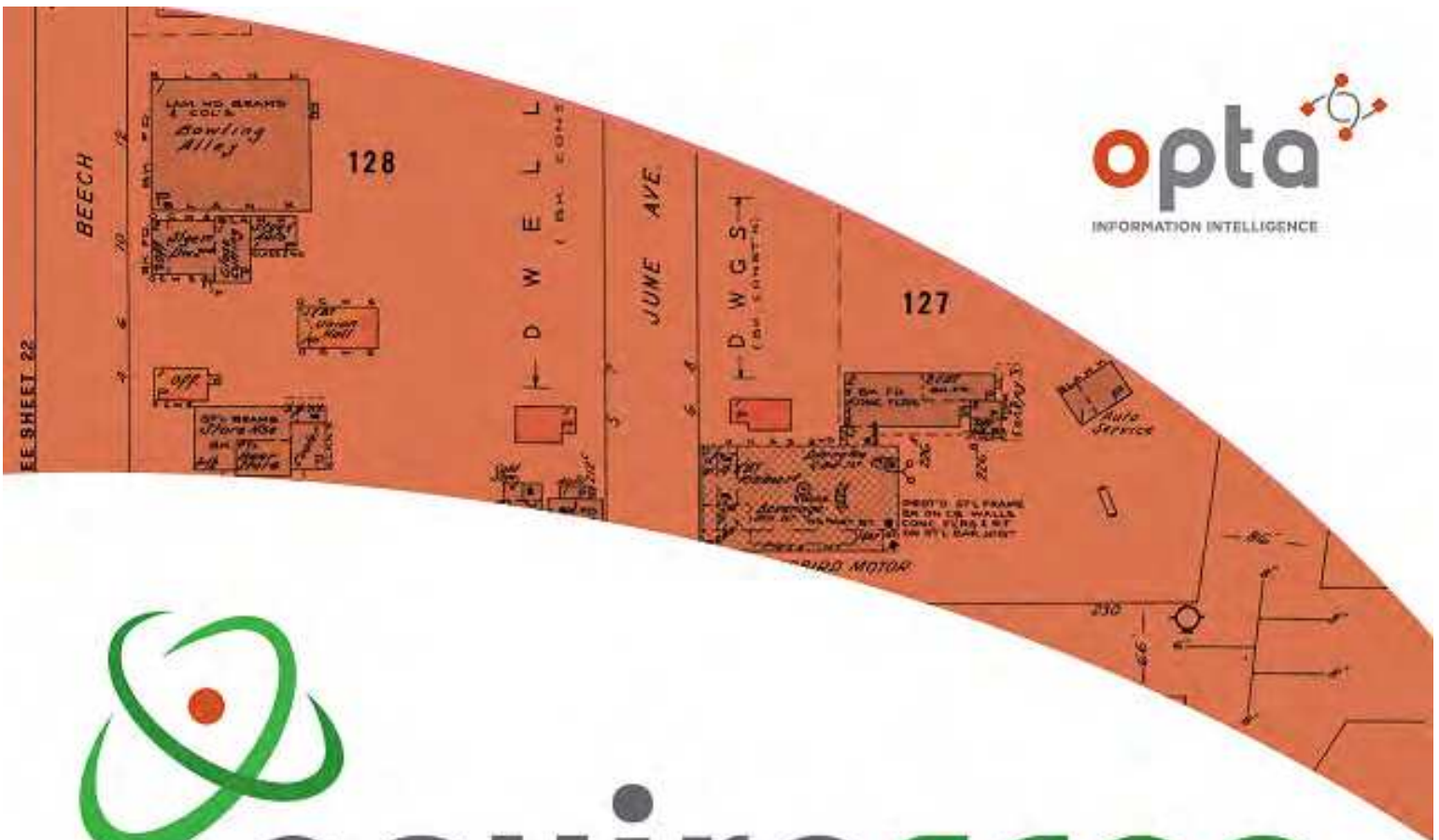
Photo 11 – Property located east of the Phase One Property.



Photo 12 – Properties located west of the Phase One Property.

APPENDIX C
Survey Plan

APPENDIX D
Opta Records



enviroscan



An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 905-882-6300
W: www.optaintel.ca

Report Compiled By:

Catherine

Site Address:

261 265 Columbus Ave Ottawa ON

Project No:

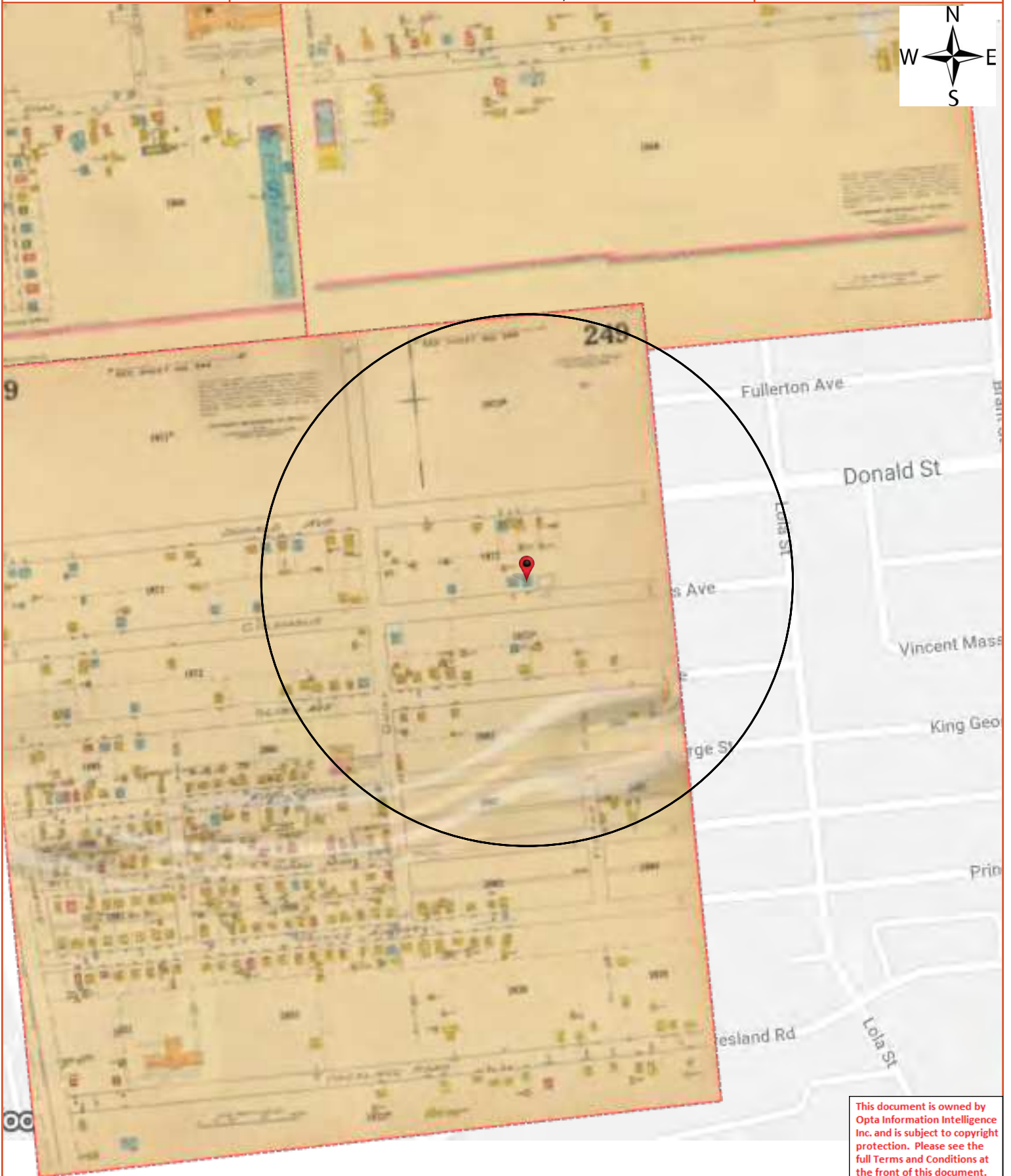
20180807021

Opta Order ID:

52037

Requested by:
Eleanor Goolab
Eris

Date Completed:
8/10/2018 12:14:31 PM



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Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

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This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

Report Index

Requested by:
Eleanor Goolab

Date Completed: 08/10/2018 12:14:31



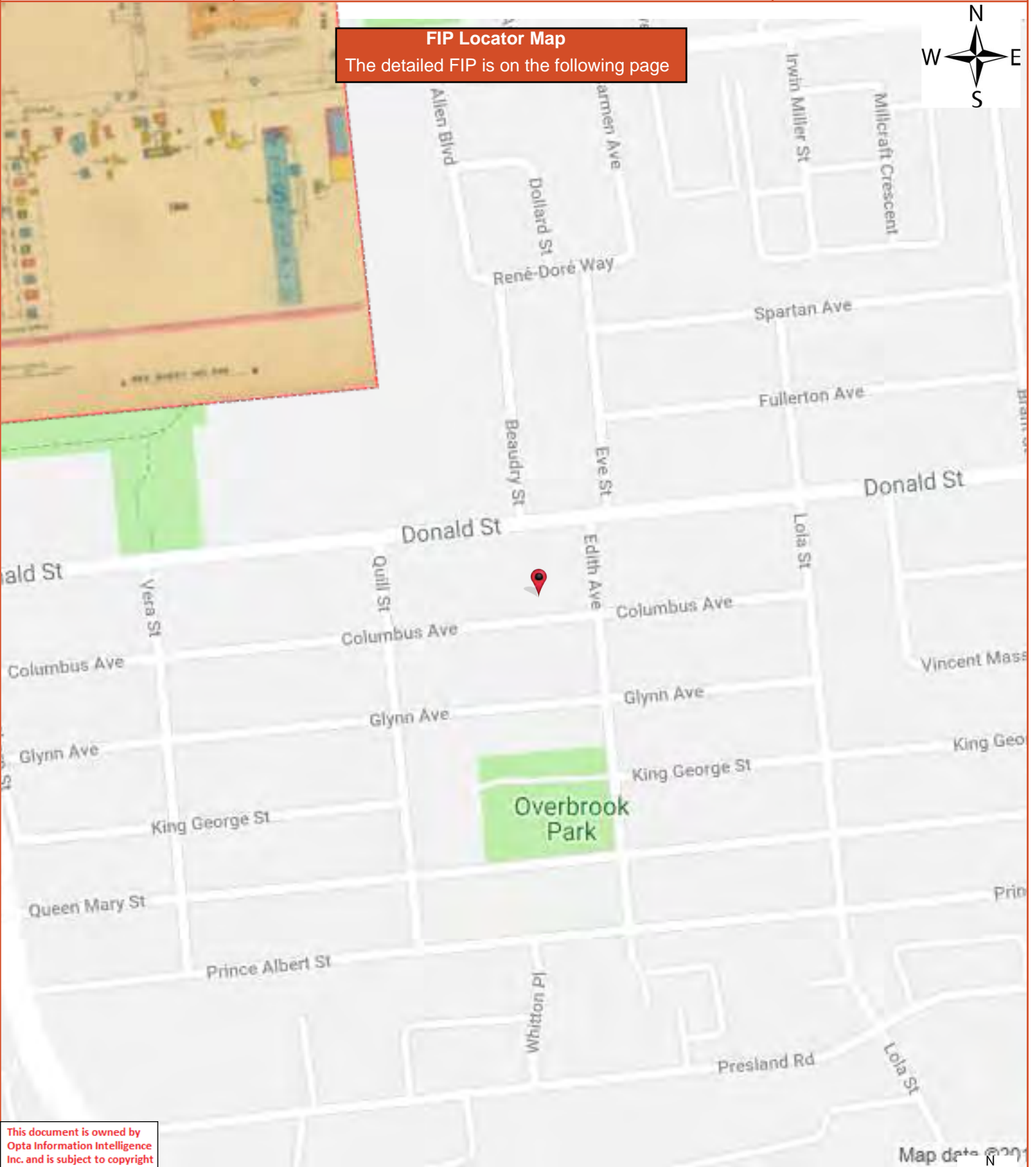
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8	(1948) Volume: Ottawa Firemap: 245
10	(1948) Volume: Ottawa Firemap: 249



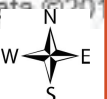


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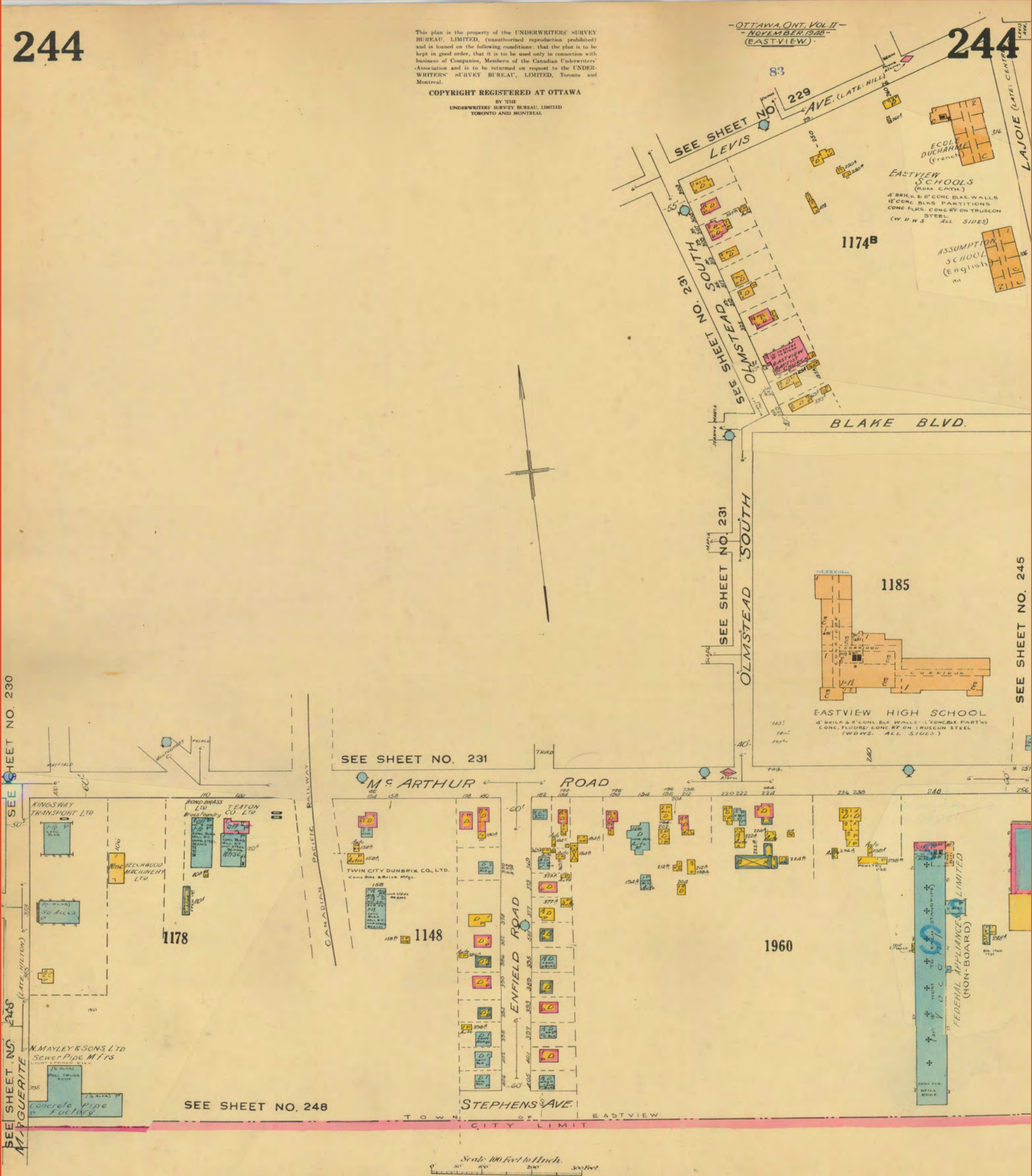
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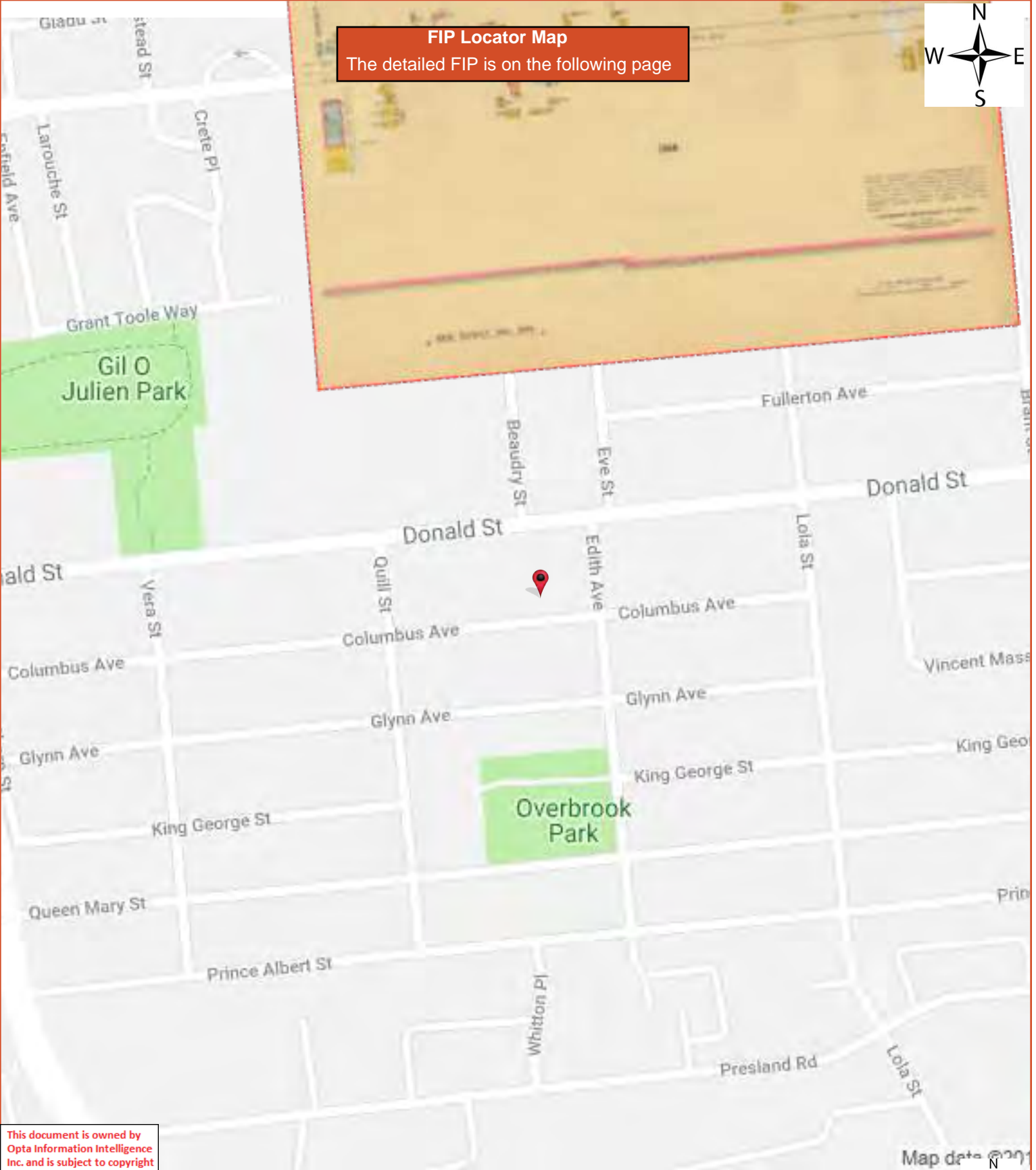
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NOVEMBER, 1948 -
(EASTVIEW)

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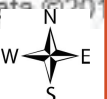
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SEE SHEET NO. 248
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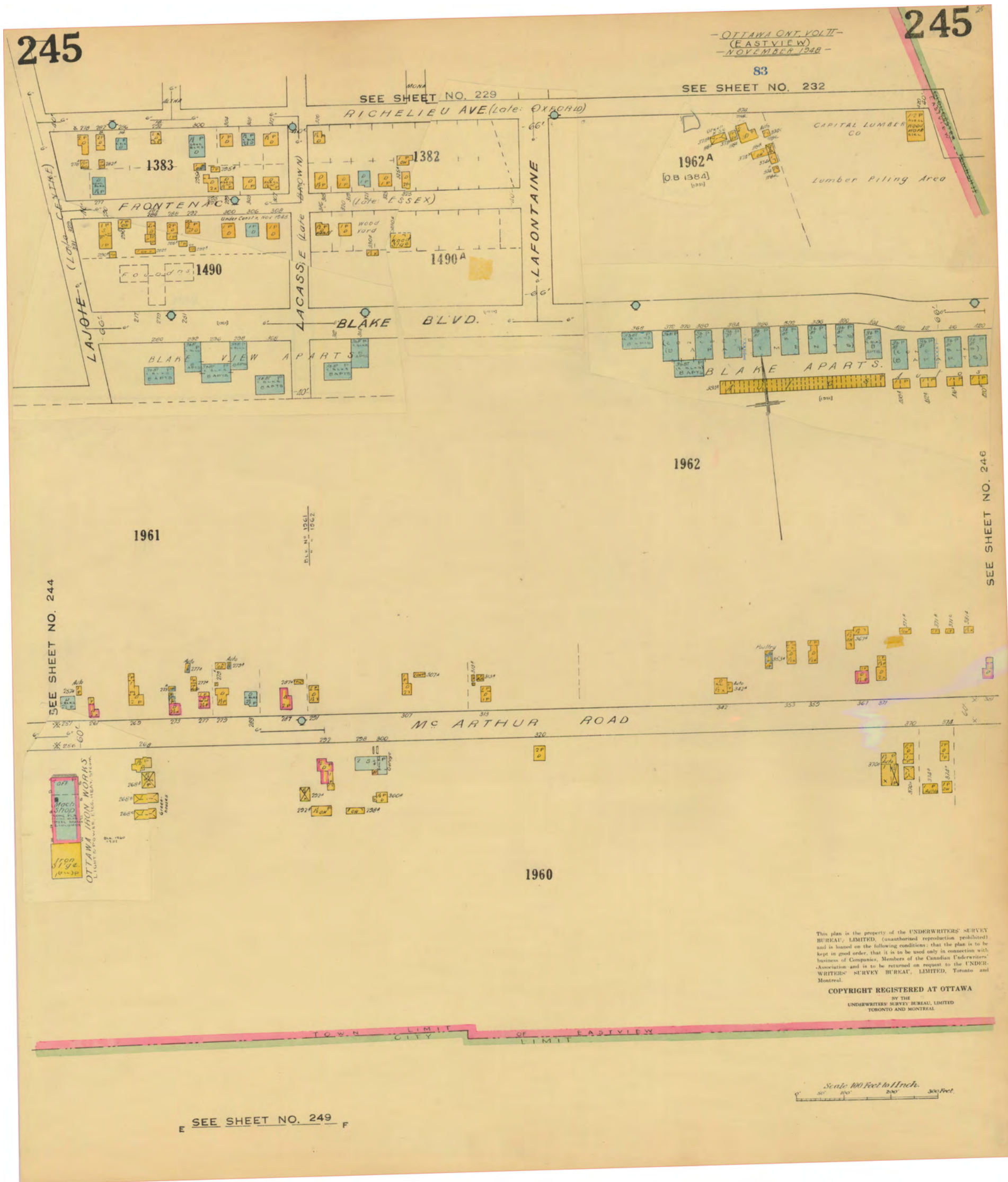
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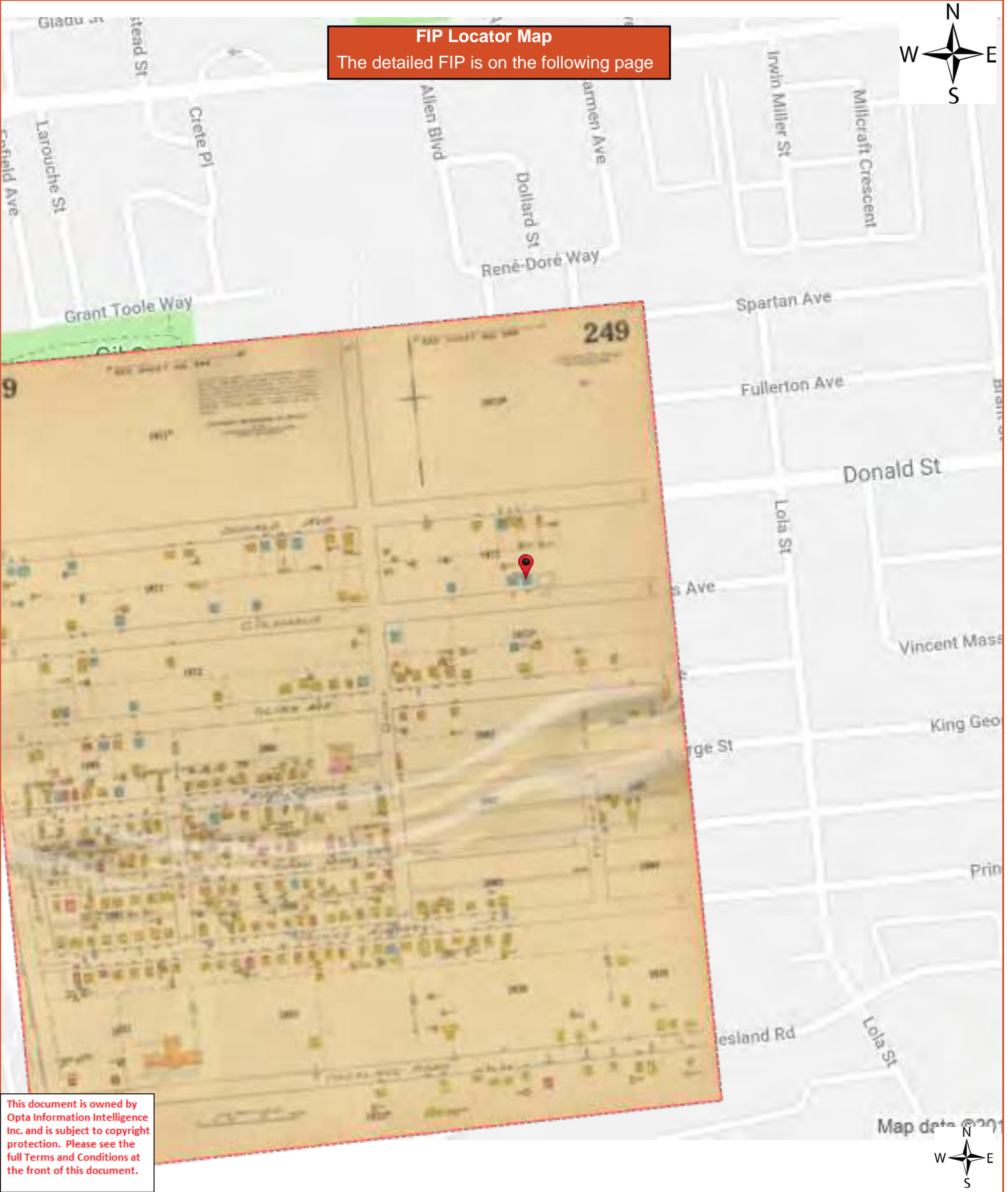


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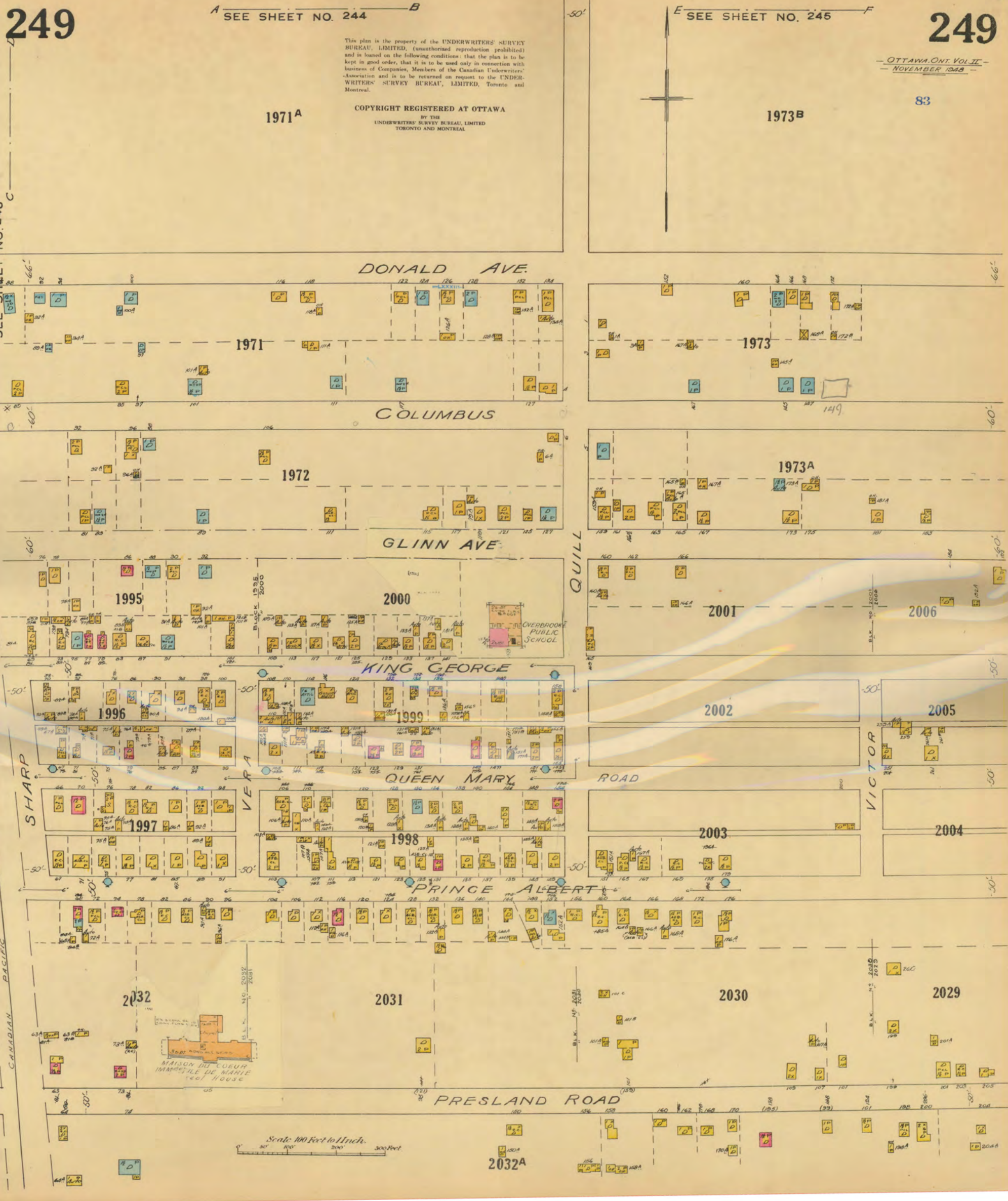
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APPENDIX E
EcoLog ERIS Report

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



DATABASE REPORT

Project Property: *SPA Phase One ESA
261 and 265 Columbus Avenue
Ottawa ON K1K 1P5
226649*

Project No: *226649*

Report Type: *RSC Report (Urban)*

Order No: *20180807021*

Requested by: *Pinchin Ltd.*

Date Completed: *August 10, 2018*

**Environmental Risk
Information Services**
A division of Glacier Media Inc.
P: 1.866.517.5204
E: info@erisinfo.com

www.erisinfo.com

Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	6
Executive Summary: Site Report Summary - Surrounding Properties.....	7
Executive Summary: Summary By Data Source.....	11
Map.....	17
Aerial.....	18
Topographic Map.....	19
Detail Report.....	20
Unplottable Summary.....	65
Unplottable Report.....	67
Appendix: Database Descriptions.....	80
Definitions.....	89

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Executive Summary

Property Information:

Project Property: SPA Phase One ESA
261 and 265 Columbus Avenue Ottawa ON K1K 1P5

Project No: 226649

Order Information:

Order No: 20180807021
Date Requested: August 7, 2018
Requested by: Pinchin Ltd.
Report Type: RSC Report (Urban)

Historical/Products:

Insurance Products Fire Insurance Maps/Inspection Reports/Site Plans
Topographic Map Ontario Base Map (OBM)

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.30km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	2	2
BORE	<i>Borehole</i>	Y	0	6	6
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
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DRYCLEANERS	<i>Dry Cleaning Facilities</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	8	8
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	5	5
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EXP	<i>List of TSSA Expired Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	26	26
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	2	2
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>TSSA Incidents</i>	Y	0	2	2
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MISA PENALTY	<i>Environmental Penalty Annual Report</i>	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBW	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGW	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>TSSA Pipeline Incidents</i>	Y	0	3	3
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	2	2
SPL	<i>Ontario Spills</i>	Y	0	12	12
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>TSSA Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	10	10
Total:			0	78	78

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>
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	INC		OPP 269 GLYNN AVENUE, OTTAWA ON K1K 1S2	SSE/88.3	-0.69	20
2	BORE		ON	NNE/92.4	-2.69	21
3	BORE		ON	NE/106.6	-2.69	21
4	ECA	City of Ottawa	Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario Ottawa ON K2G 6J8	NE/120.8	-2.69	22
4	ECA	City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	NE/120.8	-2.69	22
4	ECA	City of Ottawa	Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario Ottawa ON K2G 6J8	NE/120.8	-2.69	22
4	ECA	City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	NE/120.8	-2.69	23
4	ECA	City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	NE/120.8	-2.69	23
5	PINC		230 COLUMBUS AVE, OTTAWA ON	WSW/124.3	0.30	23
5	SPL	PRIVATE RESIDENCE	230 COLUMBUS AVE. (N.O.S.) OTTAWA CITY ON K1K 1P6	WSW/124.3	0.30	23
5	SPL	Enbridge Gas Distribution Inc.	230 Columbus Ave Ottawa ON	WSW/124.3	0.30	24
6	WWIS		ON	SE/127.2	-0.69	24
7	EHS		Columbus Avenue between Vanier Parkway and Lola Street Ottawa ON	WSW/127.6	1.00	25
8	SPL	Vern's Heating<UNOFFICIAL>	324 Donald Street Ottawa ON	ENE/134.0	-2.74	25
9	ECA	Yvon Leo Cayer	5 Quill St Ottawa ON K1L 8E7	WSW/138.9	0.30	26
10	BORE		ON	SW/167.5	0.00	26
11	SPL	PETRO-CANADA	AL'S STEAKHOUSE, 320 FULLERTON TANK TRUCK (CARGO) OTTAWA CITY ON K1K 1K3	NNE/170.0	-2.69	27
12	EHS		Glynn Ave Ottawa ON	ESE/179.2	-1.69	27
13	PINC		308 COLUMBUS AVENUE, OTTAWA ON	E/180.9	-1.69	27
13	SPL		308 Columbus Avenue Ottawa ON	E/180.9	-1.69	28
14	SPL	UNKNOWN	312 COLUMBUS ST. OTTAWA CITY ON K1K 1P4	E/195.5	-1.69	28

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
15	EHS		33 Quill Street Ottawa ON K1K 4E7	S/199.3	-0.69	29
15	GEN	City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	S/199.3	-0.69	29
15	GEN	City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	S/199.3	-0.69	29
15	GEN	City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	S/199.3	-0.69	30
15	GEN	City of Ottawa	33 Quill Street Ottawa ON	S/199.3	-0.69	30
15	GEN	City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	S/199.3	-0.69	30
15	GEN	City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	S/199.3	-0.69	30
16	BORE		ON	NNW/201.2	-0.85	31
17	SPL		319 Fullerton Street 319 FULLERTON STREET<UNOFFICIAL> Ottawa ON K1K 1K2	NNE/213.4	-3.69	31
18	SPL	Enbridge Gas Distribution Inc.	306 Glynn Ave Ottawa ON	ESE/222.5	-1.73	32
19	WWIS		ON	SSW/223.9	-1.69	32
20	GEN	CITY OF OTTAWA	320 COLUMBUS AVENUE OTTAWA ON K1K 1P4	E/226.2	-1.69	33
21	GEN	Campanale Real Estate	149 King George St Ottawa ON K1K 1V2	SW/232.2	-2.49	33
22	ECA	City of Ottawa	King George Street and Quill Street Ottawa ON K2G 6J8	SSW/232.8	-1.66	33
22	EHS		King George and Quill Street Ottawa ON	SSW/232.8	-1.66	33
23	EHS		351 Donald St. Ottawa ON K1K 1M4	ENE/238.2	-2.69	34
24	AUWR	CITY TOWING	224 DONALD ST OTTAWA ON K1K 1M8	W/239.8	-0.55	34
24	AUWR	CITY TOWING	224 DONALD ST OTTAWA ON K1K1M8	W/239.8	-0.55	34
25	GEN	OPTIONS BYTOWN NON- PROFIT HOUSING CORPORATION	255 DONALD STREET OTTAWA ON	NNW/242.9	0.00	34
26	GEN	OTTAWA BOARD OF EDUCATION	ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	NNW/245.7	-0.73	35
26	GEN	OTTAWA (SEE&USE ON1285701)	ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	NNW/245.7	-0.73	35
26	GEN	OTTAWA (SEE&USE ON1285701) 29-129	ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	NNW/245.7	-0.73	35
26	GEN	OTTAWA (SEE&USE ON1285701)	ECOLE S. CARTIER 255 RUE DONALD OTTAWA ON K1K 1N1	NNW/245.7	-0.73	35
27	SPL	PRIVATE OWNER	C/B AT 271 QUEEN MARY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K1K 1X1	SSE/252.9	-0.69	36
28	SPL	PRIVATE RESIDENCE	194 COLUMBUS AVE FUEL STORAGE TANK OTTAWA CITY ON K1K 1P8	WSW/256.5	-1.89	36

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
29	ECA	The Corporation of the City of Clarence-Rockland	Laurier St (between St. Jean Street and Powers Street) Clarence-Rockland ON K4K 1P7	W/256.6	-1.26	37
30	PINC		940 EVE STREET, OTTAWA ON	N/259.1	-2.69	37
31	BORE		ON	S/261.2	-0.61	37
31	WWIS		ON	S/261.2	-0.61	38
32	GEN	CONSEIL DES ECOLES PUBLIQUES	ECOLE SECONDAIRE PUBLIQUE LE CARREFOUR 235, RUE DONALD OTTAWA ON K1K 1N1	NW/270.1	0.31	40
33	WWIS		lot 49 Ottawa ON	ENE/278.5	-2.69	40
33	WWIS		lot 49 OTTAWA ON	ENE/278.5	-2.69	42
34	INC		251 DONALD STREET, OTTAWA ON	NW/279.0	0.31	45
34	SPL		251 Donald St.<UNOFFICIAL> Ottawa ON K1K 4B7	NW/279.0	0.31	46
35	HINC		153 QUEEN MARY STREET OTTAWA ON K1K 1X4	SSW/281.1	-2.70	46
36	WWIS		lot 7 ON	NW/281.9	0.31	46
37	SCT	Canadian Postmaster Magazine	281 Queen Mary St Ottawa ON K1K 1X1	SE/282.1	-0.69	49
37	SCT	Cdn Postmasters/Assts Assn	281 Queen Mary St Ottawa ON K1K 1X1	SE/282.1	-0.69	49
38	SPL	O.C. TRANSP	CORNER OF QUILL ST AND QUEEN MARY ST MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON	SSW/288.7	-2.69	49
39	BORE		ON	NE/289.5	-2.69	50
40	WWIS		Ottawa ON	ENE/291.6	-2.69	50
41	WWIS		Ottawa ON	NE/292.5	-2.69	53
42	WWIS		Ottawa ON	ENE/294.4	-2.69	55
43	GEN	C.S.D.L.F.D(SEE&USE ON1879400) 29-496	ECOLE SECONDAIRE CARTIER 225 RUE DONALD, OTTAWA GLOUCESTER ON K1K 1N1	WNW/296.0	0.21	57
43	GEN	CONSEIL DES ECOLES PUBLIQUES	PROGRAMME CARTIER 225, RUE DONALD OTTAWA ON K1K 1N1	WNW/296.0	0.21	58
43	GEN	CONSEIL DES ECOLES PUBLIQUES	ECOLE SECONDAIRE PUBLIQUE LE CARREFOUR 225 RUE DONALD OTTAWA ON K1K 1N1	WNW/296.0	0.21	58
43	GEN	+quipe de santÚ familiale communautaire est ottawa	225 Donald st. suite 120 Ottawa ON K1K 1N1	WNW/296.0	0.21	59
43	GEN	+quipe de santÚ familiale communautaire est ottawa	225 Donald st. suite 120 Ottawa ON K1K 1N1	WNW/296.0	0.21	59
43	GEN	Equipe de sante familiale communautaire est ottawa	225 Donald st. suite 120 Ottawa ON K1K 1N1	WNW/296.0	0.21	59

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>43</u>	GEN	+quipe de santÚ familiale communautaire est ottawa	225 Donald st. suite 120 Ottawa ON	WNW/296.0	0.21	<u>60</u>
<u>43</u>	GEN	Otis Canada, Inc	225 Donald 2480 Lancaster Ottawa ON	WNW/296.0	0.21	<u>60</u>
<u>43</u>	GEN	Equipe de sante familiale communautaire est ottawa	225 Donald st. suite 120 Ottawa ON K1K 1N1	WNW/296.0	0.21	<u>60</u>
<u>43</u>	GEN	Equipe de sante familiale communautaire est ottawa	225 Donald st. suite 120 Ottawa ON K1K 1N1	WNW/296.0	0.21	<u>61</u>
<u>43</u>	GEN	Equipe de sante familiale communautaire est ottawa	225 Donald st. suite 120 Ottawa ON K1K 1N1	WNW/296.0	0.21	<u>61</u>
<u>43</u>	GEN	Equipe de sante familiale communautaire est ottawa Overbrook-Forbes	225 Donald st. suite 120 Ottawa ON K1K 1N1	WNW/296.0	0.21	<u>61</u>
<u>44</u>	HINC		971 LOLA STREET OTTAWA ON K1K 3P4	ENE/299.5	-2.69	<u>62</u>
<u>44</u>	WWIS		lot 49 Ottawa ON	ENE/299.5	-2.69	<u>62</u>

Executive Summary: Summary By Data Source

AUWR - Automobile Wrecking & Supplies

A search of the AUWR database, dated 1999-Jan 31, 2018 has found that there are 2 AUWR site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
CITY TOWING	224 DONALD ST OTTAWA ON K1K 1M8	239.8	<u>24</u>
CITY TOWING	224 DONALD ST OTTAWA ON K1K1M8	239.8	<u>24</u>

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 6 BORE site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	92.4	<u>2</u>
	ON	106.6	<u>3</u>
	ON	167.5	<u>10</u>
	ON	201.2	<u>16</u>
	ON	261.2	<u>31</u>
	ON	289.5	<u>39</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Jun 30, 2018 has found that there are 8 ECA site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	120.8	<u>4</u>
City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	120.8	<u>4</u>
City of Ottawa	Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario Ottawa ON K2G 6J8	120.8	<u>4</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
City of Ottawa	North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	120.8	4
City of Ottawa	Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario Ottawa ON K2G 6J8	120.8	4
Yvon Leo Cayer	5 Quill St Ottawa ON K1L 8E7	138.9	9
City of Ottawa	King George Street and Quill Street Ottawa ON K2G 6J8	232.8	22
The Corporation of the City of Clarence-Rockland	Laurier St (between St. Jean Street and Powers Street) Clarence-Rockland ON K4K 1P7	256.6	29

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Feb 28, 2018 has found that there are 5 EHS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Columbus Avenue between Vanier Parkway and Lola Street Ottawa ON	127.6	7
	Glynn Ave Ottawa ON	179.2	12
	33 Quill Street Ottawa ON K1K 4E7	199.3	15
	King George and Quill Street Ottawa ON	232.8	22
	351 Donald St. Ottawa ON K1K 1M4	238.2	23

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-December 31, 2017 has found that there are 26 GEN site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	199.3	15
City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	199.3	15
City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	199.3	15
City of Ottawa	33 Quill Street Ottawa ON	199.3	15
City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	199.3	15
City of Ottawa	33 Quill Street Ottawa ON K1K 4E7	199.3	15

Site	Address	Distance (m)	Map Key
CITY OF OTTAWA	320 COLUMBUS AVENUE OTTAWA ON K1K 1P4	226.2	20
Campanale Real Estate	149 King George St Ottawa ON K1K 1V2	232.2	21
OPTIONS BYTOWN NON-PROFIT HOUSING CORPORATION	255 DONALD STREET OTTAWA ON	242.9	25
OTTAWA BOARD OF EDUCATION	ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	245.7	26
OTTAWA (SEE&USE ON1285701)	ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	245.7	26
OTTAWA (SEE&USE ON1285701) 29-129	ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	245.7	26
OTTAWA (SEE&USE ON1285701)	ECOLE S. CARTIER 255 RUE DONALD OTTAWA ON K1K 1N1	245.7	26
CONSEIL DES ECOLES PUBLIQUES	ECOLE SECONDAIRE PUBLIQUE LE CARREFOUR 235, RUE DONALD OTTAWA ON K1K 1N1	270.1	32
C.S.D.L.F.D(SEE&USE ON1879400) 29-496	ECOLE SECONDAIRE CARTIER 225 RUE DONALD, OTTAWA GLOUCESTER ON K1K 1N1	296.0	43
CONSEIL DES ECOLES PUBLIQUES	PROGRAMME CARTIER 225, RUE DONALD OTTAWA ON K1K 1N1	296.0	43
CONSEIL DES ECOLES PUBLIQUES	ECOLE SECONDAIRE PUBLIQUE LE CARREFOUR 225 RUE DONALD OTTAWA ON K1K 1N1	296.0	43
+quipe de sant� familiale communautaire est ottawa	225 Donald st. suite 120 Ottawa ON K1K 1N1	296.0	43
+quipe de sant� familiale communautaire est ottawa	225 Donald st. suite 120 Ottawa ON K1K 1N1	296.0	43
+quipe de sant� familiale communautaire est ottawa	225 Donald st. suite 120 Ottawa ON	296.0	43
Otis Canada, Inc	225 Donald 2480 Lancaster Ottawa ON	296.0	43
Equipe de sante familiale communautaire est ottawa	225 Donald st. suite 120 Ottawa ON K1K 1N1	296.0	43
Equipe de sante familiale communautaire est ottawa	225 Donald st. suite 120 Ottawa ON K1K 1N1	296.0	43
Equipe de sante familiale communautaire est ottawa	225 Donald st. suite 120 Ottawa ON K1K 1N1	296.0	43
Equipe de sante familiale communautaire est ottawa Overbrook- Forbes	225 Donald st. suite 120 Ottawa ON K1K 1N1	296.0	43
Equipe de sante familiale communautaire est ottawa	225 Donald st. suite 120 Ottawa ON K1K 1N1	296.0	43

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 2 HINC site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	153 QUEEN MARY STREET OTTAWA ON K1K 1X4	281.1	35
	971 LOLA STREET OTTAWA ON K1K 3P4	299.5	44

INC - TSSA Incidents

A search of the INC database, dated Feb 28, 2017 has found that there are 2 INC site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	OPP 269 GLYNN AVENUE, OTTAWA ON K1K 1S2	88.3	1
	251 DONALD STREET, OTTAWA ON	279.0	34

PINC - TSSA Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 3 PINC site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	230 COLUMBUS AVE, OTTAWA ON	124.3	5
	308 COLUMBUS AVENUE, OTTAWA ON	180.9	13
	940 EVE STREET, OTTAWA ON	259.1	30

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 2 SCT site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Cdn Postmasters/Assts Assn	281 Queen Mary St Ottawa ON K1K 1X1	282.1	37
Canadian Postmaster Magazine	281 Queen Mary St Ottawa ON K1K 1X1	282.1	37

SPL - Ontario Spills

A search of the SPL database, dated 1988-Feb 2018 has found that there are 12 SPL site(s) within approximately 0.30 kilometers of the project property.

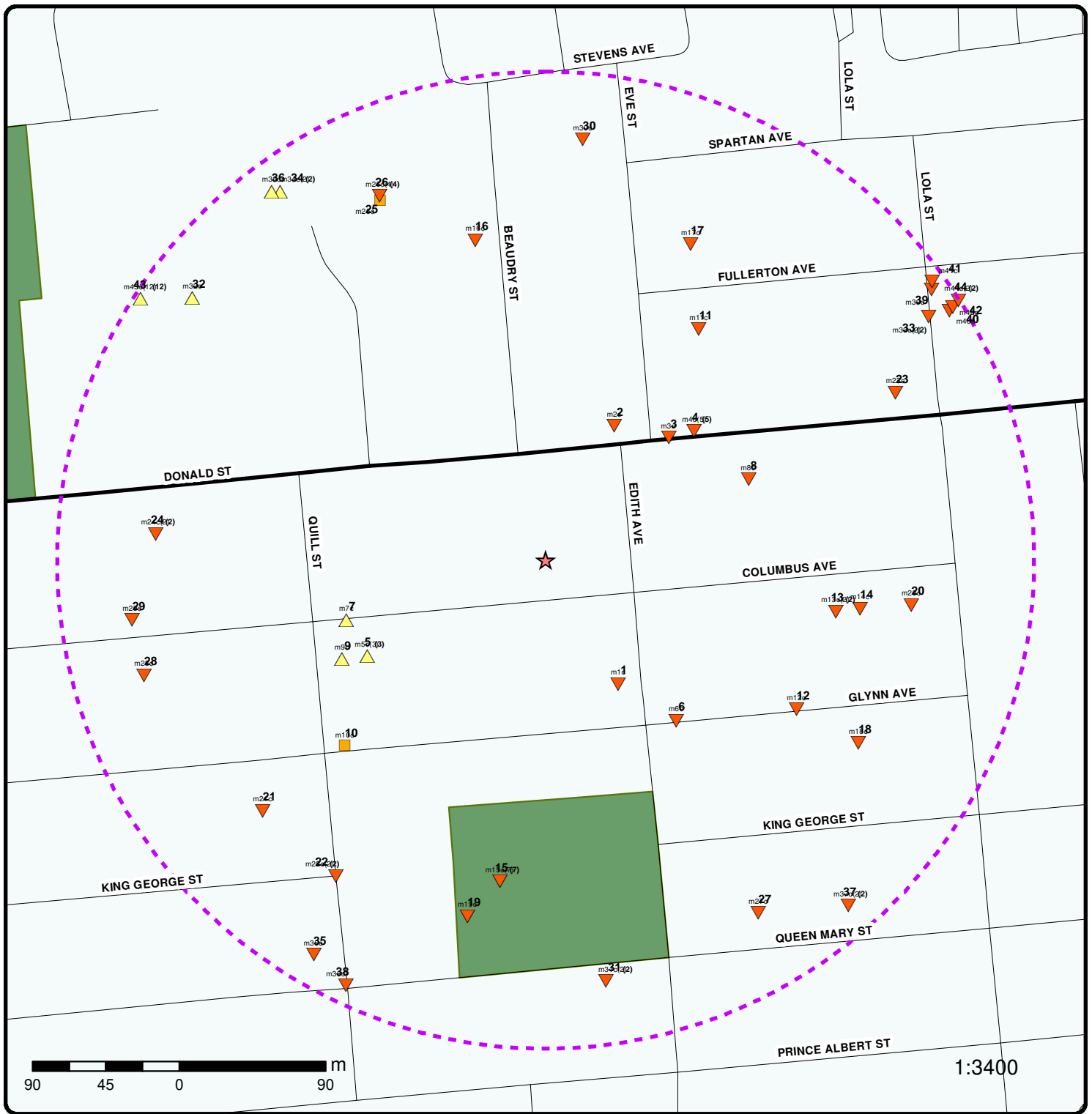
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
PRIVATE RESIDENCE	230 COLUMBUS AVE. (N.O.S.) OTTAWA CITY ON K1K 1P6	124.3	<u>5</u>
Enbridge Gas Distribution Inc.	230 Columbus Ave Ottawa ON	124.3	<u>5</u>
Vern's Heating<UNOFFICIAL>	324 Donald Street Ottawa ON	134.0	<u>8</u>
PETRO-CANADA	AL'S STEAKHOUSE, 320 FULLERTON TANK TRUCK (CARGO) OTTAWA CITY ON K1K 1K3	170.0	<u>11</u>
	308 Columbus Avenue Ottawa ON	180.9	<u>13</u>
UNKNOWN	312 COLUMBUS ST. OTTAWA CITY ON K1K 1P4	195.5	<u>14</u>
	319 Fullerton Street 319 FULLERTON STREET<UNOFFICIAL> Ottawa ON K1K 1K2	213.4	<u>17</u>
Enbridge Gas Distribution Inc.	306 Glynn Ave Ottawa ON	222.5	<u>18</u>
PRIVATE OWNER	C/B AT 271 QUEEN MARY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K1K 1X1	252.9	<u>27</u>
PRIVATE RESIDENCE	194 COLUMBUS AVE FUEL STORAGE TANK OTTAWA CITY ON K1K 1P8	256.5	<u>28</u>
	251 Donald St.<UNOFFICIAL> Ottawa ON K1K 4B7	279.0	<u>34</u>
O.C. TRANSPOR	CORNER OF QUILL ST AND QUEEN MARY ST MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON	288.7	<u>38</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31, 2017 has found that there are 10 WWIS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	127.2	<u>6</u>
	ON	223.9	<u>19</u>
	ON	261.2	<u>31</u>
	lot 49 OTTAWA ON	278.5	<u>33</u>
	lot 49 Ottawa ON	278.5	<u>33</u>
	lot 7 ON	281.9	<u>36</u>
	Ottawa ON	291.6	<u>40</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Ottawa ON	292.5	41
	Ottawa ON	294.4	42
	lot 49 Ottawa ON	299.5	44



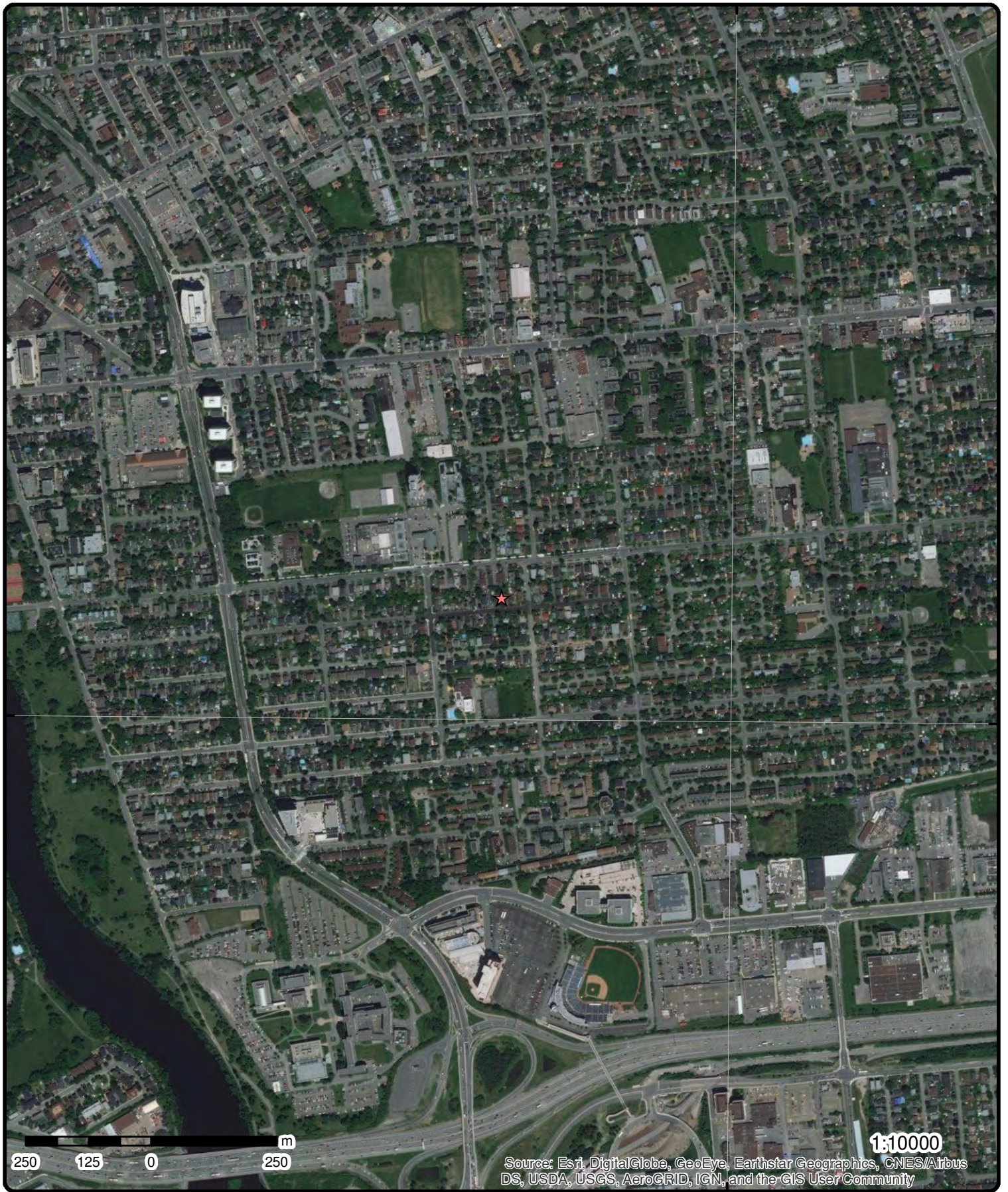
Map : 0.3 Kilometer Radius

Order No: 20180807021

Address: 261 and 265 Columbus Avenue, Ottawa, ON, K1K 1P5



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



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

Aerial (2017)

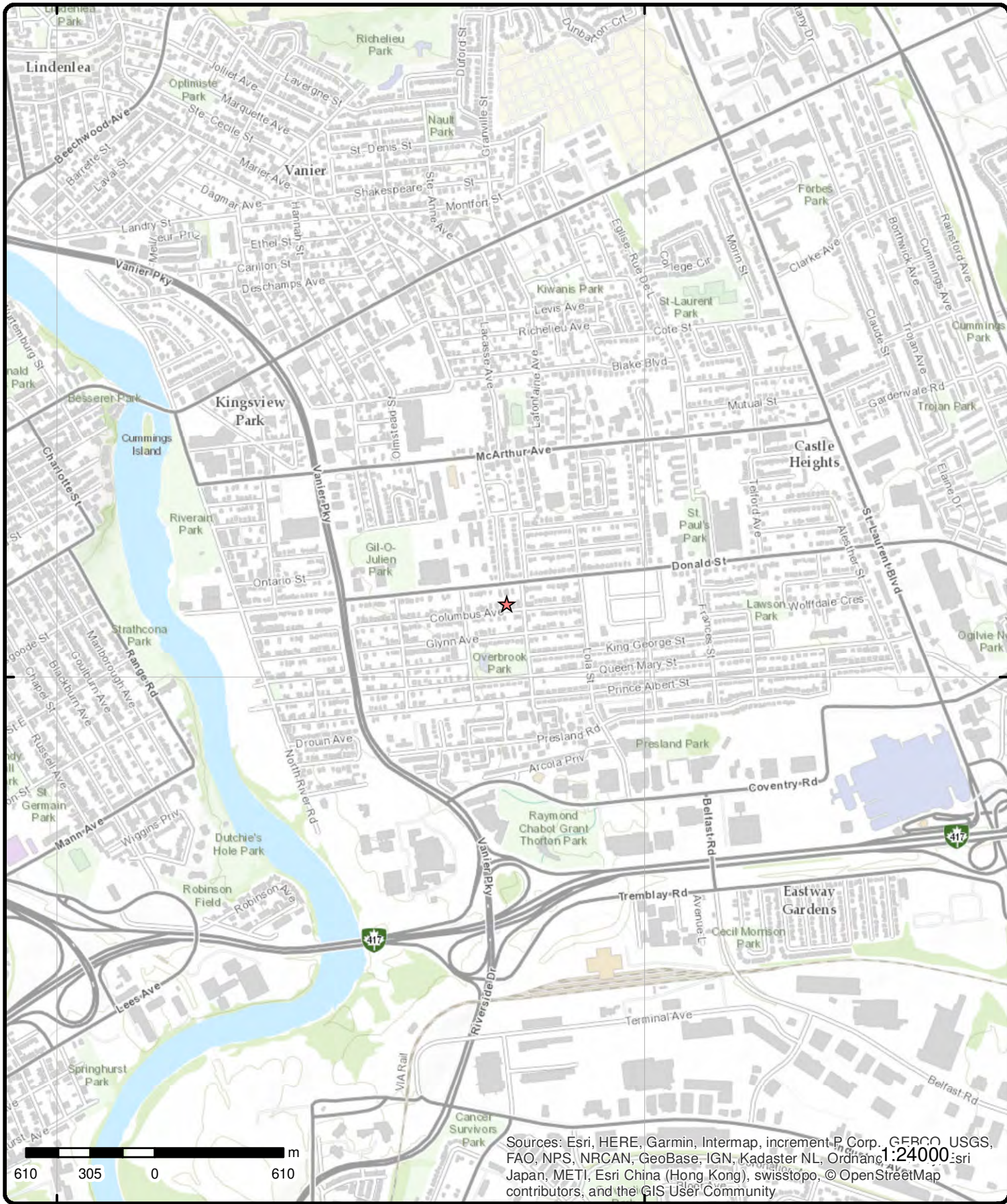
Address: 261 and 265 Columbus Avenue, Ottawa, ON, K1K 1P5

Source: ESRI World Imagery

Order No: 20180807021



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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

Topographic Map

Address: 261 and 265 Columbus Avenue, Ottawa, ON, K1K 1P5

Source: ESRI World Topographic Map

Order No: 20180807021



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 1	SSE/88.3	61.9 / -0.69	OPP 269 GLYNN AVENUE, OTTAWA ON K1K 1S2	INC

Incident No: 187090
Incident ID: 2338024
Attribute Category: FS-Incident
Status Code: Causal Analysis Complete
Incident Location: OPP 269 GLYNN AVENUE, OTTAWA - 1 1/4" PIPELINE HIT
Drainage System:
Sub Surface Contam.:
Aff. Prop. Use Water:
Contam. Migrated:
Contact Natural Env.:
Near Body of Water:
Approx. Quant. Rel.:
Equipment Model:
Serial No:
Residential App. Type:
Commercial App. Type:
Industrial App. Type:
Institutional App. Type:
Venting Type:
Vent Connector Mater:
Vent Chimney Mater:
Pipeline Type: Main Distribution Pipeline
Pipeline Involved:
Pipe Material: Plastic
Depth Ground Cover: 16
Regulator Location:
Regulator Type:
Operation Pressure: 40
Liquid Prop Make:
Liquid Prop Model:
Liquid Prop Serial No:
Equipment Type:
Cylinder Capacity:
Cylinder Capac. Units:
Cylinder Material Type:
Tank Capacity:
Fuels Occurrence Type:
Fuel Type Involved:
Date of Occurrence:
Time of Occurrence:
Occur Insp Start Date:
Any Health Impact:
Any Environmental Impact:
Was Service Interrupted:
Was Property Damaged:
Operation Type Involved:
Enforcement Policy:
Prc Escalation Required:
Task No:
Notes:
Occurrence Narrative: Contractor exposed the gas main then excavated directly over the main with a backhoe. gas main was damaged when the main rose in the ground.
Tank Material Type:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tank Storage Type: Tank Location Type: Pump Flow Rate Capac: Liquid Prop Notes:					
<u>2</u>	1 of 1	NNE/92.4	59.9 / -2.69	ON	BORE
Borehole ID:	808451			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	448736.08			Northing::	5030698.01
Location Accuracy::				Orig. Ground Elev m::	60.4
Elev. Reliability Note::				DEM Ground Elev m::	60.6
Total Depth m::	6.4			Primary Name::	BH 05-1
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	07-SEP-2005			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218596375			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Concrete
Stratum ID:	218596376			Top Depth(m):	0.2
Bottom Depth(m):	0.7			Stratum Desc:	Brown Base Sand - Gravel
Stratum ID:	218596377			Top Depth(m):	0.7
Bottom Depth(m):	1.5			Stratum Desc:	Black Loose Fill-Misc sand silt With: Cl W Gr W Constr Debris
Stratum ID:	218596378			Top Depth(m):	1.5
Bottom Depth(m):	6.1			Stratum Desc:	Black Loose to Compact Till sand silt With: Gr Trace: Cl Tr Cob Tr Blds
Stratum ID:	218596379			Top Depth(m):	6.1
Bottom Depth(m):	6.4			Stratum Desc:	Black Bedrock Shale
<u>3</u>	1 of 1	NE/106.6	59.9 / -2.69	ON	BORE
Borehole ID:	808453			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	448769.38			Northing::	5030690.89
Location Accuracy::				Orig. Ground Elev m::	60.1
Elev. Reliability Note::				DEM Ground Elev m::	60.5
Total Depth m::	4.8			Primary Name::	BH 05-2
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	07-SEP-2005			Static Water Level::	2.6
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218596385			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Concrete
Stratum ID:	218596386			Top Depth(m):	0.2
Bottom Depth(m):	0.6			Stratum Desc:	Brown Base Sand - Gravel
Stratum ID:	218596387			Top Depth(m):	0.6

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth(m):	1.5			Stratum Desc:	Black Compact Fill-Misc sand silt With: Cl W Gr W Constr Debris
Stratum ID:	218596388			Top Depth(m):	1.5
Bottom Depth(m):	4.4			Stratum Desc:	Black Compact to Very Dense Till sand silt With: Gr Trace: Cl Tr Cob Tr Blds
Stratum ID:	218596389			Top Depth(m):	4.4
Bottom Depth(m):	4.8			Stratum Desc:	Black Bedrock Shale
4	1 of 5	NE/120.8	59.9 / -2.69	City of Ottawa Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario Ottawa ON K2G 6J8	ECA
Approval No:	2291-7DANJV			SWP Area Name:	Rideau Valley
Approval Date:	2008-04-02			MOE District:	Ottawa
Status:	Approved			City:	
Record Type:	ECA			Longitude:	-75.6547
Link Source:	IDS			Latitude:	45.4279
Approval Type:	ECA-Municipal Drinking Water Systems				
Project Type:	Municipal Drinking Water Systems				
Address:	Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario				
Full Address:					
Full PDF Link:					
4	2 of 5	NE/120.8	59.9 / -2.69	City of Ottawa North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	ECA
Approval No:	4665-6Q3GPK			SWP Area Name:	Rideau Valley
Approval Date:	2006-05-28			MOE District:	Ottawa
Status:	Approved			City:	Ottawa
Record Type:	ECA			Longitude:	-75.6547
Link Source:	IDS			Latitude:	45.4279
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Address:	North River Road (between Wright St , and Montreal Road)				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0741-6PWRJ4-14.pdf				
4	3 of 5	NE/120.8	59.9 / -2.69	City of Ottawa Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario Ottawa ON K2G 6J8	ECA
Approval No:	3106-7DANAJ			SWP Area Name:	Rideau Valley
Approval Date:	2008-04-02			MOE District:	Ottawa
Status:	Approved			City:	Ottawa
Record Type:	ECA			Longitude:	-75.6547
Link Source:	IDS			Latitude:	45.4279
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Address:	Queen Mary Street, Edith Avenue, Glynn Avenue, Vanier Parkway City of Ottawa, Ontario				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/6840-7CVPE5-14.pdf				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	4 of 5	NE/120.8	59.9 / -2.69	City of Ottawa North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	ECA
<p>Approval No: 6915-6PVHAS Approval Date: 2006-05-19 Status: Approved Record Type: ECA Link Source: IDS Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Address: North River Road (between Wright St , and Montreal Road) Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4705-6PFRQW-14.pdf</p>					
4	5 of 5	NE/120.8	59.9 / -2.69	City of Ottawa North River Road (between Wright St , and Montreal Road) Ottawa ON K2G 6J8	ECA
<p>Approval No: 6657-6PVHM8 Approval Date: 2006-05-19 Status: Approved Record Type: ECA Link Source: IDS Approval Type: ECA-Municipal Drinking Water Systems Project Type: Municipal Drinking Water Systems Address: North River Road (between Wright St , and Montreal Road) Full Address: Full PDF Link:</p>					
5	1 of 3	WSW/124.3	62.9 / 0.30	230 COLUMBUS AVE, OTTAWA ON	PINC
<p>Incident ID: Incident No: 1973674 Type: FS-Pipeline Incident Status Code: Pipeline Damage Reason Est Fuel Occurrence Tp: Fuel Type: Tank Status: RC Established Task No: 6431444 Spills Action Centre: Method Details: E-mail Fuel Category: Natural Gas Date of Occurrence: Occurrence Start Date: 2016/11/10 Operation Type: Pipeline Type: Regulator Type: Summary: 230 COLUMBUS AVE, OTTAWA - PIPELINE HIT - 1/2" Reported By: Rick Gazda - ENBRIDGE Affiliation: Occurrence Desc: Damage Reason: Excavation practices not sufficient Notes:</p>					
5	2 of 3	WSW/124.3	62.9 / 0.30	PRIVATE RESIDENCE	SPL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				230 COLUMBUS AVE. (N.O.S.) OTTAWA CITY ON K1K 1P6	
Ref No:	109227			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	1/14/1995			Client Type:	
Year:				Sector Type:	
Incident Cause:	OTHER CONTAINER LEAK			Source Type:	
Incident Event:				Nearest Watercourse:	
Contaminant Code:				Site Name:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site County/District:	
Contaminant UN No 1:				Site Postal Code:	
Contaminant Qty:				Site Region:	
Environment Impact:	CONFIRMED			Site Municipality:	20101
Nature of Impact:	Soil contamination			Site Lot:	
Receiving Medium:	LAND			Site Conc:	
Receiving Env:				Northing:	
Health/Env Conseq:				Easting:	
MOE Response:				Site Geo Ref Accu:	
Dt MOE Arvl on Scn:				Site Geo Ref Meth:	
MOE Reported Dt:	1/17/1995			Site Map Datum:	
Dt Document Closed:					
SAC Action Class:					
Incident Reason:	ERROR				
Incident Summary:	PRIVATE RESIDENCE- 3L MO-TOR OIL FROM UNCOVERED PAN TO GROUND,CLEANING UP				

<u>5</u>	3 of 3	WSW/124.3	62.9 / 0.30	Enbridge Gas Distribution Inc. 230 Columbus Ave Ottawa ON	SPL
Ref No:	6473-AFJPNV			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	2016/11/09			Client Type:	
Year:				Sector Type:	Other
Incident Cause:				Source Type:	
Incident Event:	Leak/Break			Nearest Watercourse:	
Contaminant Code:	35			Site Name:	Enbridge - 1/2 in gasoline<UNOFFICIAL>
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	230 Columbus Ave
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site County/District:	
Contaminant UN No 1:				Site Postal Code:	
Contaminant Qty:	0 other - see incident description			Site Region:	
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Air			Northing:	
Health/Env Conseq:				Easting:	
MOE Response:	No			Site Geo Ref Accu:	
Dt MOE Arvl on Scn:				Site Geo Ref Meth:	
MOE Reported Dt:	2016/11/09			Site Map Datum:	
Dt Document Closed:	2016/11/16				
SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill				
Incident Reason:	Operator/Human Error				
Incident Summary:	TSSA/Enbridge: 1/2 in gasoline damage				

<u>6</u>	1 of 1	SE/127.2	61.9 / -0.69	ON	WWIS
Well ID:	7289479			Data Entry Status:	Yes
Construction Date:				Data Src:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: C36211 Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Date Received: 7/5/2017 Selected Flag: Yes Abandonment Rec: Contractor: 7543 Form Version: 8 Owner: Street Name: County: OTTAWA-CARLETON Municipality: OTTAWA CITY Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	

Bore Hole Information

Bore Hole ID: 1006601504 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:				Elevation: 58.56 Elevrc: Zone: 18 East83: 448774 Org CS: UTM83 North83: 5030517 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr	
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<u>7</u>	1 of 1	WSW/127.6	63.6 / 1.00	Columbus Avenue between Vanier Parkway and Lola Street Ottawa ON	EHS
Order ID: 408789 Order No: 20150612026 Customer ID: 82107 Company ID: 169 Status: C Report Code: 21CAN Report Type: RSC Premium Package (Urban) Report Date: 19-JUN-15 Report Requested by: WSP Canada Inc. Nearest Intersection: Previous Site Name: Additional Info Ordered:				Date Received: 12-JUN-15 Lot/Building Size: Municipality: Client Prov/State: ON Search Radius (km): .3 Large Radius: .5 X: -75.657417 Y: 45.426842	

<u>8</u>	1 of 1	ENE/134.0	59.8 / -2.74	Vern's Heating<UNOFFICIAL> 324 Donald Street Ottawa ON	SPL
Ref No: 2370-9EAN49 Site No: Incident Dt: 2013/12/11 Year:				Discharger Report: Material Group: Client Type: Sector Type: Tank - Indoors	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Incident Cause:	Leak/Break			Source Type:	
Incident Event:				Nearest Watercourse:	
Contaminant Code:	13			Site Name:	Section 21 (business, home office)<UNOFFICIAL> 324 Donald Street
Contaminant Name:	FURNACE OIL			Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site County/District:	
Contaminant UN No 1:				Site Postal Code:	
Contaminant Qty:	1 L			Site Region:	Ottawa
Environment Impact:	Not Anticipated			Site Municipality:	
Nature of Impact:	Other Impact(s)			Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northing:	
Health/Env Conseq:				Easting:	
MOE Response:	Referral to others			Site Geo Ref Accu:	
Dt MOE Arvl on Scn:				Site Geo Ref Meth:	
MOE Reported Dt:	2013/12/11			Site Map Datum:	
Dt Document Closed:					
SAC Action Class:	Land Spills				
Incident Reason:	Equipment Failure				
Incident Summary:	TSSA: 1 L furnace oil spill, indoors				

9	1 of 1	WSW/138.9	62.9 / 0.30	Yvon Leo Cayer 5 Quill St Ottawa ON K1L 8E7	ECA
Approval No:	8346-9FTSXG			SWP Area Name:	
Approval Date:	2014-02-12			MOE District:	
Status:	Approved			City:	Ottawa
Record Type:	ECA			Longitude:	
Link Source:	IDS			Latitude:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Address:	5 Quill St				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/9105-9FEQL7-14.pdf				

10	1 of 1	SW/167.5	62.6 / 0.00	ON	BORE
Borehole ID:	613493			Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::	448571			Northing::	5030502
Location Accuracy::				Orig. Ground Elev m::	60.4
Elev. Reliability Note::				DEM Ground Elev m::	58.8
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:	218395354			Top Depth(m):	0.0
Bottom Depth(m):	0.6			Stratum Desc:	GRAVEL.
Stratum ID:	218395355			Top Depth(m):	0.6
Bottom Depth(m):	2.4			Stratum Desc:	CLAY. FIRM.
Stratum ID:	218395356			Top Depth(m):	2.4
Bottom Depth(m):				Stratum Desc:	BEDROCK. TURED. E. 00075 VELOCITY =

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
					5130. BEDROCK. SEISMIC VELOCITY = 11800. UNS
11	1 of 1	NNE/170.0	59.9 / -2.69	PETRO-CANADA AL'S STEAKHOUSE, 320 FULLERTON TANK TRUCK (CARGO) OTTAWA CITY ON K1K 1K3	SPL
Ref No:	45439			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	12/20/1990			Client Type:	
Year:				Sector Type:	
Incident Cause:	VALVE/FITTING LEAK OR FAILURE			Source Type:	
Incident Event:				Nearest Watercourse:	
Contaminant Code:				Site Name:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site County/District:	
Contaminant UN No 1:				Site Postal Code:	
Contaminant Qty:				Site Region:	
Environment Impact:	POSSIBLE			Site Municipality:	20101
Nature of Impact:	Soil contamination			Site Lot:	
Receiving Medium:	LAND			Site Conc:	
Receiving Env:				Northing:	
Health/Env Conseq:				Easting:	
MOE Response:				Site Geo Ref Accu:	
Dt MOE Arvl on Scn:				Site Geo Ref Meth:	
MOE Reported Dt:	12/20/1990			Site Map Datum:	
Dt Document Closed:					
SAC Action Class:					
Incident Reason:	ICE/FROST DAMAGE				
Incident Summary:	PETROCANADA-3 L OF OIL TOGROUND				
12	1 of 1	ESE/179.2	60.9 / -1.69	Glynn Ave Ottawa ON	EHS
Order ID:	451964			Date Received:	11-APR-16
Order No:	20160411134			Lot/Building Size:	0.7 ha
Customer ID:	138749			Municipality:	
Company ID:	319			Client Prov/State:	ON
Status:	C			Search Radius (km):	.3
Report Code:	4CAN			Large Radius:	.5
Report Type:	Custom Report			X:	-75.65388
Report Date:	18-APR-16			Y:	45.426367
Report Requested by:	DST Consulting Engineers Inc.				
Nearest Intersection:					
Previous Site Name:					
Additional Info Ordered:					
13	1 of 2	E/180.9	60.9 / -1.69	308 COLUMBUS AVENUE, OTTAWA ON	PINC
Incident ID:				Health Impact:	
Incident No:	1936038			Environment Impact:	
Type:	FS-Pipeline Incident			Property Damage:	Yes
Status Code:	Pipeline Damage Reason Est			Service Interupt:	
Fuel Occurrence Tp:				Enforce Policy:	Yes
Fuel Type:				Public Relation:	
Tank Status:	RC Established			Pipeline System:	
Task No:	6313140			Depth:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Spills Action Centre: Method Details: E-mail Fuel Category: Natural Gas Date of Occurrence: Occurrence Start Date: 2016/10/23 Operation Type: Pipeline Type: Regulator Type: Summary: 308 COLUMBUS AVENUE, OTTAWA - PIPELINE HIT - 1/2" Reported By: Melanie Green - ENBRIDGE Affiliation: Occurrence Desc: Damage Reason: Excavation practices not sufficient Notes:					
13	2 of 2	E/180.9	60.9 / -1.69	308 Columbus Avenue Ottawa ON	SPL
Ref No: 8760-ADJV8N Site No: NA Incident Dt: 9/6/2016 Year: Incident Cause: Incident Event: Leak/Break Contaminant Code: 35 Contaminant Name: NATURAL GAS (METHANE) Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Contaminant Qty: 0 other - see incident description Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: Air Health/Env Conseq: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 9/6/2016 Dt Document Closed: SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill Incident Reason: Operator/Human Error Incident Summary: TSSA FSB: 1/2" plastic damaged; made safe					
14	1 of 1	E/195.5	60.9 / -1.69	UNKNOWN 312 COLUMBUS ST. OTTAWA CITY ON K1K 1P4	SPL
Ref No: 3992 Site No: Incident Dt: 5/20/1988 Year: Incident Cause: COOLING SYSTEM LEAK Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Contaminant Qty: Environment Impact: Nature of Impact:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Receiving Medium: Receiving Env: Health/Env Conseq: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: Dt Document Closed: SAC Action Class: Incident Reason: Incident Summary:	WATER 5/20/1988 UNKNOWN			Site Conc: Northing: Easting: Site Geo Ref Accu: Site Geo Ref Meth: Site Map Datum: 675 LTR OF FURNACE OIL TO SANITARY SEWER FROM RESIDENTIAL TANK.	

15	1 of 7	S/199.3	61.9 / -0.69	33 Quill Street Ottawa ON K1K 4E7	EHS
Order ID: Order No: Customer ID: Company ID: Status: Report Code: Report Type: Report Date: Report Requested by: Nearest Intersection: Previous Site Name: Additional Info Ordered:	167065 20090814133 78007 319 C 3CAN Standard Report 8/25/2009 DST Consulting Engineers Inc. Fire Insur. Maps and/or Sire Plans			Date Received: Lot/Building Size: Municipality: Client Prov/State: Search Radius (km): Large Radius: X: Y:	8/14/2009 ON 0.25 2 -75.656124 45.42523

15	2 of 7	S/199.3	61.9 / -0.69	City of Ottawa 33 Quill Street Ottawa ON K1K 4E7	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON8121710 2010 236220 Commercial and Institutional Building Construction			PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
--Details-- Waste Code: Waste Description:	221 LIGHT FUELS				

15	3 of 7	S/199.3	61.9 / -0.69	City of Ottawa 33 Quill Street Ottawa ON K1K 4E7	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON8121710 2011 236220 Commercial and Institutional Building Construction			PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
--Details-- Waste Code: Waste Description:	221 LIGHT FUELS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
15	4 of 7	S/199.3	61.9 / -0.69	City of Ottawa 33 Quill Street Ottawa ON K1K 4E7	GEN
Generator No.:	ON8121710			PO Box No.:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	236220				
SIC Description:	Commercial and Institutional Building Construction				
--Details--					
Waste Code:	221				
Waste Description:	LIGHT FUELS				
15	5 of 7	S/199.3	61.9 / -0.69	City of Ottawa 33 Quill Street Ottawa ON	GEN
Generator No.:	ON8121710			PO Box No.:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	236220				
SIC Description:	COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION				
--Details--					
Waste Code:	221				
Waste Description:	LIGHT FUELS				
15	6 of 7	S/199.3	61.9 / -0.69	City of Ottawa 33 Quill Street Ottawa ON K1K 4E7	GEN
Generator No.:	ON8121710			PO Box No.:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_ADMIN
Contam. Facility:	No			Co Admin:	Sue Petrovic
MHSW Facility:	No			Phone No. Admin:	613.580.2424 Ext.21517
SIC Code:	236220				
SIC Description:	COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION				
--Details--					
Waste Code:	221				
Waste Description:	LIGHT FUELS				
15	7 of 7	S/199.3	61.9 / -0.69	City of Ottawa 33 Quill Street Ottawa ON K1K 4E7	GEN
Generator No.:	ON8121710			PO Box No.:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
MHSW Facility:		No		Phone No. Admin:	
SIC Code:		236220			
SIC Description:		COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION			
--Details--					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
16	1 of 1	NNW/201.2	61.7 / -0.85	ON	BORE
Borehole ID:		613558		Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::		448651		Northing::	5030812
Location Accuracy::				Orig. Ground Elev m::	64
Elev. Reliability Note::				DEM Ground Elev m::	62.9
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:		218395606		Top Depth(m):	0.0
Bottom Depth(m):		0.3		Stratum Desc:	SOIL.
Stratum ID:		218395607		Top Depth(m):	0.3
Bottom Depth(m):		2.4		Stratum Desc:	SAND. LOOSE.
Stratum ID:		218395608		Top Depth(m):	2.4
Bottom Depth(m):				Stratum Desc:	TILL. LOOSE. BEDROCK. BEDDED. BEDROCK. BEDDED. BEDROCK. BEDDED. 00000009 00075 099
17	1 of 1	NNE/213.4	58.9 / -3.69	319 Fullerton Street 319 FULLERTON STREET<UNOFFICIAL> Ottawa ON K1K 1K2	SPL
Ref No:		3758-6QRTEK		Discharger Report:	
Site No:				Material Group:	Oils
Incident Dt:		6/14/2006		Client Type:	
Year:				Sector Type:	Other
Incident Cause:		Tank (Above Ground) Leak		Source Type:	
Incident Event:				Nearest Watercourse:	
Contaminant Code:		13		Site Name:	319 FULLERTON STREET
Contaminant Name:		FUEL OIL		Site Address:	319 FULLERTON STREET
Contaminant Limit 1:				Site District Office:	Ottawa
Contam Limit Freq 1:				Site County/District:	
Contaminant UN No 1:				Site Postal Code:	
Contaminant Qty:		9 L		Site Region:	
Environment Impact:		Not Anticipated		Site Municipality:	Ottawa
Nature of Impact:		Soil Contamination		Site Lot:	
Receiving Medium:		Land		Site Conc:	
Receiving Env:				Northing:	
Health/Env Conseq:				Easting:	
MOE Response:				Site Geo Ref Accu:	
Dt MOE Arvl on Scn:				Site Geo Ref Meth:	
MOE Reported Dt:		6/14/2006		Site Map Datum:	
Dt Document Closed:					
SAC Action Class:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Incident Reason:					
Incident Summary: Mannion Pump and Petroleum: leak of oil to 2 properties					
18	1 of 1	ESE/222.5	60.8 / -1.73	Enbridge Gas Distribution Inc. 306 Glynn Ave Ottawa ON	SPL
Ref No:	4573-AP6PVT			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	7/11/2017			Client Type:	Corporation
Year:				Sector Type:	Miscellaneous Communal
Incident Cause:				Source Type:	Pipeline/Components
Incident Event:	Leak/Break			Nearest Watercourse:	
Contaminant Code:	35			Site Name:	residential<UNOFFICIAL>
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	306 Glynn Ave
Contaminant Limit 1:				Site District Office:	Ottawa
Contam Limit Freq 1:	n/a			Site County/District:	
Contaminant UN No 1:	1075			Site Postal Code:	
Contaminant Qty:	0 n/a			Site Region:	Eastern
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Air			Northing:	
Health/Env Conseq:	2 - Minor Environment			Easting:	
MOE Response:	No			Site Geo Ref Accu:	
Dt MOE Arvl on Scn:				Site Geo Ref Meth:	
MOE Reported Dt:	7/11/2017			Site Map Datum:	
Dt Document Closed:	7/22/2017				
SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill				
Incident Reason:	Operator/Human Error				
Incident Summary:	TSSA FSB: 0.5 inch plastic IP dmg, made safe				
19	1 of 1	SSW/223.9	60.9 / -1.69	ON	WWIS
Well ID:	7169093			Data Entry Status:	Yes
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	9/23/2011
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:				Abandonment Rec:	
Water Type:				Contractor:	1844
Casing Material:				Form Version:	5
Audit No:	M06849			Owner:	
Tag:	A110638			Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1003570554			Elevation:	59.97
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 05-AUG-11 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:					
20	1 of 1	E/226.2	60.9 / -1.69	CITY OF OTTAWA 320 COLUMBUS AVENUE OTTAWA ON K1K 1P4	GEN
Generator No.: ON9287804 Status: Approval Years: 2015 Contam. Facility: No MHSW Facility: No SIC Code: 913910 SIC Description: 913910 PO Box No.: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Phone No. Admin:					
--Details-- Waste Code: 251 Waste Description: OIL SKIMMINGS & SLUDGES					
21	1 of 1	SW/232.2	60.1 / -2.49	Campanale Real Estate 149 King George St Ottawa ON K1K 1V2	GEN
Generator No.: ON6328034 Status: Approval Years: 03,04 Contam. Facility: MHSW Facility: SIC Code: SIC Description:					
22	1 of 2	SSW/232.8	60.9 / -1.66	City of Ottawa King George Street and Quill Street Ottawa ON K2G 6J8	ECA
Approval No: 2745-8TXKAV Approval Date: 2012-05-04 Status: Approved Record Type: ECA Link Source: IDS Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Address: King George Street and Quill Street Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7159-8TPNZE-14.pdf					
22	2 of 2	SSW/232.8	60.9 / -1.66	King George and Quill Street Ottawa ON	EHS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Order ID:	179807			Date Received:	11/3/2010 3:12:20 PM
Order No:	20101103038			Lot/Building Size:	
Customer ID:	84347			Municipality:	
Company ID:	38525			Client Prov/State:	ON
Status:	C			Search Radius (km):	0.25
Report Code:	4CAN			Large Radius:	0.25
Report Type:	Custom Report			X:	-75.659655
Report Date:	11/12/2010			Y:	1
Report Requested by:	Houle Chevrier Engineering				
Nearest Intersection:					
Previous Site Name:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				

23	1 of 1	ENE/238.2	59.9 / -2.69	351 Donald St. Ottawa ON K1K 1M4	EHS
Order ID:	50399			Date Received:	3/16/2005
Order No:	20050316005			Lot/Building Size:	
Customer ID:	36087			Municipality:	
Company ID:	29325			Client Prov/State:	ON
Status:	C			Search Radius (km):	0.25
Report Code:	3CAN			Large Radius:	2
Report Type:				X:	-75.653122
Report Date:	3/17/2005			Y:	45.428122
Report Requested by:	InterBay Funding Corp.				
Nearest Intersection:					
Previous Site Name:					
Additional Info Ordered:					

24	1 of 2	W/239.8	62.0 / -0.55	CITY TOWING 224 DONALD ST OTTAWA ON K1K 1M8	AUWR
Headcode:	01169400				
Headcode Desc:	SCRAP METALS				
Phone:					
List Name:					
Description:					

24	2 of 2	W/239.8	62.0 / -0.55	CITY TOWING 224 DONALD ST OTTAWA ON K1K1M8	AUWR
Headcode:	01169400				
Headcode Desc:	SCRAP METALS				
Phone:	6137468021				
List Name:					
Description:					

25	1 of 1	NNW/242.9	62.6 / 0.00	OPTIONS BYTOWN NON-PROFIT HOUSING CORPORATION 255 DONALD STREET OTTAWA ON	GEN
Generator No.:	ON4145632			PO Box No.:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Code: 531310 SIC Description: Real Estate Property Managers					
26	1 of 4	NNW/245.7	61.8 / -0.73	OTTAWA BOARD OF EDUCATION ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	GEN
Generator No.:	ON0375220			PO Box No.:	
Status:				Country:	
Approval Years:	86,87,88,89			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8511				
SIC Description:	ELEMT./SECON. EDUC.				
--Details--					
Waste Code:	148				
Waste Description:	INORGANIC LABORATORY CHEMICALS				
Waste Code:	263				
Waste Description:	ORGANIC LABORATORY CHEMICALS				
26	2 of 4	NNW/245.7	61.8 / -0.73	OTTAWA (SEE&USE ON1285701) ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	GEN
Generator No.:	ON0375220			PO Box No.:	
Status:				Country:	
Approval Years:	90			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8511				
SIC Description:	ELEMT./SECON. EDUC.				
26	3 of 4	NNW/245.7	61.8 / -0.73	OTTAWA (SEE&USE ON1285701) 29-129 ECOLE S. CARTIER, 255 RUE DONALD C/O 330 GILMOUR ST. OTTAWA ON K1K 1N1	GEN
Generator No.:	ON0375220			PO Box No.:	
Status:				Country:	
Approval Years:	92,93,94,95,96,97			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8511				
SIC Description:	ELEMT./SECON. EDUC.				
26	4 of 4	NNW/245.7	61.8 / -0.73	OTTAWA (SEE&USE ON1285701) ECOLE S. CARTIER 255 RUE DONALD OTTAWA ON K1K 1N1	GEN
Generator No.:	ON0375220			PO Box No.:	
Status:				Country:	
Approval Years:	98			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Code:	8511				
SIC Description:		ELEMT./SECON. EDUC.			
27	1 of 1	SSE/252.9	61.9 / -0.69	PRIVATE OWNER C/B AT 271 QUEEN MARY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K1K 1X1	SPL
Ref No:	179902			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	4/23/2000			Client Type:	
Year:				Sector Type:	
Incident Cause:	OTHER CONTAINER LEAK			Source Type:	
Incident Event:				Nearest Watercourse:	
Contaminant Code:				Site Name:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site County/District:	
Contaminant UN No 1:				Site Postal Code:	
Contaminant Qty:				Site Region:	
Environment Impact:	NOT ANTICIPATED			Site Municipality:	20101
Nature of Impact:				Site Lot:	
Receiving Medium:	LAND / WATER			Site Conc:	
Receiving Env:				Northing:	
Health/Env Conseq:				Easting:	WORKS
MOE Response:				Site Geo Ref Accu:	
Dt MOE Arvl on Scn:				Site Geo Ref Meth:	
MOE Reported Dt:	4/23/2000			Site Map Datum:	
Dt Document Closed:					
SAC Action Class:					
Incident Reason:	UNKNOWN				
Incident Summary:	PRIVATE VEHICLE: SMALL LEAK OF GASOLINE TO C/B, WORKS CLEANED UP.				
28	1 of 1	WSW/256.5	60.7 / -1.89	PRIVATE RESIDENCE 194 COLUMBUS AVE FUEL STORAGE TANK OTTAWA CITY ON K1K 1P8	SPL
Ref No:	198088			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	4/11/2001			Client Type:	
Year:				Sector Type:	
Incident Cause:	PROCESS UPSET			Source Type:	
Incident Event:				Nearest Watercourse:	
Contaminant Code:				Site Name:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site County/District:	
Contaminant UN No 1:				Site Postal Code:	
Contaminant Qty:				Site Region:	
Environment Impact:	Possible			Site Municipality:	20107
Nature of Impact:	Soil contamination			Site Lot:	
Receiving Medium:	Land			Site Conc:	
Receiving Env:				Northing:	
Health/Env Conseq:				Easting:	
MOE Response:				Site Geo Ref Accu:	
Dt MOE Arvl on Scn:				Site Geo Ref Meth:	
MOE Reported Dt:	4/11/2001			Site Map Datum:	
Dt Document Closed:					
SAC Action Class:					
Incident Reason:	EQUIPMENT FAILURE				
Incident Summary:	PRIVATE RESIDENCE 20L FURNACE OIL TO GROUND CLEANED UP NO WATER				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
29	1 of 1	W/256.6	61.3 / -1.26	The Corporation of the City of Clarence-Rockland Laurier St (between St. Jean Street and Powers Street) Clarence-Rockland ON K4K 1P7	ECA
Approval No: 3663-ABBKRZ Approval Date: 2016-07-07 Status: Approved Record Type: ECA Link Source: IDS Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Address: Laurier St (between St. Jean Street and Powers Street) Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5773-A9DJBV-14.pdf		SWP Area Name: Rideau Valley MOE District: Ottawa City: Clarence-Rockland Longitude: -75.6591 Latitude: 45.426831			
30	1 of 1	N/259.1	59.9 / -2.69	940 EVE STREET, OTTAWA ON	PINC
Incident ID: Incident No: 966886 Type: FS-Pipeline Incident Status Code: Pipeline Damage Reason Est Fuel Occurrence Tp: Fuel Type: Tank Status: RC Established Task No: 4211977 Spills Action Centre: Method Details: E-mail Fuel Category: Natural Gas Date of Occurrence: Occurrence Start Date: 2013/05/27 Operation Type: Pipeline Type: Regulator Type: Summary: 940 EVE STREET, OTTAWA - 1/2" PIPELINE HIT Reported By: Nicolas Filion - Enbridge Affiliation: Occurrence Desc: Damage Reason: Excavation practices not sufficient Notes:		Health Impact: Environment Impact: Property Damage: Yes Service Interrupt: Enforce Policy: Yes Public Relation: Pipeline System: Depth: Pipe Material: PSIG: Attribute Category: FS-Perform P-line Inc Invest Regulator Location:			
31	1 of 2	S/261.2	62.0 / -0.61	ON	BORE
Borehole ID: 613477 Use: Drill Method:: Easting:: 448731 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: 39.6 Township:: Lot:: Completion Date:: SEP-1951 Primary Water Use::		Type: Borehole Status:: UTM Zone:: 18 Northing:: 5030357 Orig. Ground Elev m:: 61 DEM Ground Elev m:: 59.7 Primary Name:: Concession:: Municipality: Static Water Level:: -999.9 Sec. Water Use::			

--Details--

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum ID:	218395313			Top Depth(m):	0.0
Bottom Depth(m):	1.5			Stratum Desc:	CLAY.
Stratum ID:	218395314			Top Depth(m):	1.5
Bottom Depth(m):	39.6			Stratum Desc:	SHALE. GREY,FIRM,VERY STIFF. GREY,STIFF. BEDROCK. GREY,FOSSILIFEROUS. GREY,SOFT. SI

31	2 of 2	S/261.2	62.0 / -0.61	ON	WWIS
Well ID:	1508678			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	3/31/1952
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	5448
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	10030712			Elevation:	59.67
DP2BR:	5			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	448730.7
Code OB Desc:	Bedrock			Org CS:	
Open Hole:				North83:	5030357
Cluster Kind:				UTMRC:	9
Date Completed:	11-SEP-51			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	p9
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock

Materials Interval

Formation ID:	931010315
Layer:	2
Color:	
General Color:	
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Materials:					
Formation Top Depth:		5			
Formation End Depth:		130			
Formation End Depth UOM:		ft			
Formation ID:		931010314			
Layer:		1			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		5			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961508678			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10579282			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930054057			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		20			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
Casing ID:		930054058			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		130			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991508678			
Pump Set At:					
Static Level:		8			
Final Level After Pumping:		15			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Recommended Pump Depth:					
Pumping Rate:		7			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		N			
Water Details					
Water ID:		933463300			
Layer:		1			
Kind Code:		3			
Kind:		SULPHUR			
Water Found Depth:		130			
Water Found Depth UOM:		ft			
32	1 of 1	NW/270.1	62.9 / 0.31	CONSEIL DES ECOLES PUBLIQUES ECOLE SECONDAIRE PUBLIQUE LE CARREFOUR 235, RUE DONALD OTTAWA ON K1K 1N1	GEN
Generator No.:	ON1879400			PO Box No.:	
Status:				Country:	
Approval Years:	95,96,97,98			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8511				
SIC Description:	ELEMT./SECON. EDUC.				
--Details--					
Waste Code:	148				
Waste Description:	INORGANIC LABORATORY CHEMICALS				
Waste Code:	251				
Waste Description:	OIL SKIMMINGS & SLUDGES				
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				
Waste Code:	263				
Waste Description:	ORGANIC LABORATORY CHEMICALS				
33	1 of 2	ENE/278.5	59.9 / -2.69	lot 49 Ottawa ON	WWIS
Well ID:	7134491			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	11/19/2009
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Abandoned-Other			Abandonment Rec:	Yes
Water Type:				Contractor:	6964
Casing Material:				Form Version:	7
Audit No:	Z106949			Owner:	
Tag:	A032213			Street Name:	971 LOLA STREET
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Site Info: Lot: 049 Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:	1002835190			Elevation: 59.39 Elevrc: Zone: 18 East83: 448929 Org CS: UTM83 North83: 5030765 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr	
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	1003024227	1	0	4.4	m
<u>Method of Construction & Well Use</u>					
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	1003024231				
<u>Pipe Information</u>					
Pipe ID: Casing No: Comment: Alt Name:	1003024224	0			
<u>Construction Record - Casing</u>					
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM:	1003024229				cm

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003024230			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1003024228			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1003024226			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
33	2 of 2	ENE/278.5	59.9 / -2.69	lot 49 OTTAWA ON	WWIS
Well ID:		7134363		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Test Hole		Date Received:	11/18/2009
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:		Test Hole		Abandonment Rec:	
Water Type:				Contractor:	6964
Casing Material:				Form Version:	7
Audit No:		Z106948		Owner:	
Tag:		A032213		Street Name:	971 LOLA ST.
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	049
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:		1002832211		Elevation:	59.39
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	448929

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB Desc:				Org CS:	UTM83
Open Hole:				North83:	5030765
Cluster Kind:				UTMRC:	4
Date Completed:	13-OCT-09			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1002923743			
Layer:		2			
Color:					
General Color:					
Mat1:		17			
Most Common Material:		SHALE			
Mat2:		26			
Other Materials:		ROCK			
Mat3:					
Other Materials:					
Formation Top Depth:		1.8			
Formation End Depth:		4.4			
Formation End Depth UOM:		m			
Formation ID:		1002923742			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		1.8			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1002923747			
Layer:		2			
Plug From:		.8			
Plug To:		4.4			
Plug Depth UOM:		m			
Plug ID:		1002923746			
Layer:		1			
Plug From:		0			
Plug To:		.8			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1002923753			
Method Construction Code:		7			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1002923741			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1002923749			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		1.25			
Casing Diameter:		3.5			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
Casing ID:		1002923750			
Layer:		2			
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1002923751			
Layer:		1			
Slot:		10			
Screen Top Depth:		1.25			
Screen End Depth:		4.4			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.1			
<u>Water Details</u>					
Water ID:		1002923748			
Layer:		1			
Kind Code:					
Kind:					
Water Found Depth:		2.74			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1002923744			
Diameter:		7.5			
Depth From:		0			
Depth To:		1.9			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Hole ID: Diameter: Depth From: Depth To: Hole Depth UOM: Hole Diameter UOM:		1002923745 5.6 1.9 4.4 m cm			
34	1 of 2	NW/279.0	62.9 / 0.31	251 DONALD STREET, OTTAWA ON	INC
Incident No: Incident ID: Attribute Category: Status Code: Incident Location: Drainage System: Sub Surface Contam.: Aff. Prop. Use Water: Contam. Migrated: Contact Natural Env.: Near Body of Water: Approx. Quant. Rel.: Equipment Model: Serial No: Residential App. Type: Commercial App. Type: Industrial App. Type: Institutional App. Type: Venting Type: Vent Connector Mater: Vent Chimney Mater: Pipeline Type: Pipeline Involved: Pipe Material: Depth Ground Cover: Regulator Location: Regulator Type: Operation Pressure: Liquid Prop Make: Liquid Prop Model: Liquid Prop Serial No: Equipment Type: Cylinder Capacity: Cylinder Capac. Units: Cylinder Material Type: Tank Capacity: Fuels Occurrence Type: Fuel Type Involved: Date of Occurrence: Time of Occurrence: Occur Insp Start Date: Any Health Impact: Any Environmental Impact: Was Service Interrupted: Was Property Damaged: Operation Type Involved: Enforcement Policy: Prc Escalation Required: Task No: Notes: Occurrence Narrative: Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Capac:		1015890 FS-Perform L1 Incident Insp 251 DONALD STREET, OTTAWA - CO RELEASE			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Liquid Prop Notes:</i>					
34	2 of 2	NW/279.0	62.9 / 0.31	251 Donald St.<UNOFFICIAL> Ottawa ON K1K 4B7	SPL
Ref No:	6161-7AQL4Z			Discharger Report:	
Site No:				Material Group:	
Incident Dt:				Client Type:	
Year:				Sector Type:	Other Motor Vehicle
Incident Cause:	Other Discharges			Source Type:	
Incident Event:				Nearest Watercourse:	
Contaminant Code:	12			Site Name:	251 Donald St.<UNOFFICIAL>
Contaminant Name:	GASOLINE			Site Address:	
Contaminant Limit 1:				Site District Office:	Ottawa
Contam Limit Freq 1:				Site County/District:	
Contaminant UN No 1:				Site Postal Code:	
Contaminant Qty:	40 L			Site Region:	
Environment Impact:	Possible			Site Municipality:	Ottawa
Nature of Impact:	Soil Contamination			Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northing:	
Health/Env Conseq:				Easting:	
MOE Response:	No Field Response			Site Geo Ref Accu:	
Dt MOE Arvl on Scn:				Site Geo Ref Meth:	
MOE Reported Dt:	1/10/2008			Site Map Datum:	
Dt Document Closed:	2/6/2008				
SAC Action Class:	Land Spills				
Incident Reason:	Unknown - Reason not determined				
Incident Summary:	40 L gas to parking lot and c/b, ctnd.				
35	1 of 1	SSW/281.1	59.9 / -2.70	153 QUEEN MARY STREET OTTAWA ON K1K 1X4	HINC
External File Num:	FS INC 0906-03026				
Date of Occurrence:					
Fuel Occurrence Type:					
Fuel Type Involved:					
Status Desc::	Pending Level 1 Occurrence Investigation				
Job Type Desc::	Incident/Near-Miss Occurrence (FS)				
Oper. Type Involved::					
Service Interruptions::					
Property Damage::					
Fuel Life Cycle Stage::					
Root Cause::					
Reported Details::					
Fuel Category::	Gaseous Fuel				
Occurrence Type::	Incident				
Affiliation::	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)				
County Name::	Ottawa				
Approx. Quant. Rel::					
Nearby body of water::					
Enter Drainage Syst::					
Approx. Quant. Unit::					
Environmental Impact::					
36	1 of 1	NW/281.9	62.9 / 0.31	lot 7 ON	WWIS
Well ID:	1500392			Data Entry Status:	
Construction Date:				Data Src:	1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Primary Water Use:	Not Used			Date Received:	9/16/1948
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	2311
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY (GLOUCESTER)
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	007
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	JG
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	10022437			Elevation:	63.77
DP2BR:	20			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	448525.7
Code OB Desc:	Bedrock			Org CS:	
Open Hole:				North83:	5030842
Cluster Kind:				UTMRC:	9
Date Completed:	10-SEP-48			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	p9
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	930989151				
Layer:	2				
Color:					
General Color:					
Mat1:	17				
Most Common Material:	SHALE				
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:	20				
Formation End Depth:	42				
Formation End Depth UOM:	ft				
Formation ID:	930989150				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:	09				
Other Materials:	MEDIUM SAND				
Mat3:	12				
Other Materials:	STONES				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:	0				
Formation End Depth:	20				
Formation End Depth UOM:	ft				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	961500392				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	10571007				
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930037808				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	27				
Casing Diameter:	4				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
Casing ID:	930037809				
Layer:	2				
Material:	4				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:	42				
Casing Diameter:	4				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	991500392				
Pump Set At:					
Static Level:					
Final Level After Pumping:	12				
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:	5				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	1				
Pumping Duration HR:	1				
Pumping Duration MIN:	0				
Flowing:	N				

Water Details

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water ID: Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UOM:		933452909 1 3 SULPHUR 38 ft			
37	1 of 2	SE/282.1	61.9 / -0.69	Canadian Postmaster Magazine 281 Queen Mary St Ottawa ON K1K 1X1	SCT
Established: Plant Size (ft²): Employment:		9			
--Details-- Description: SIC/NAICS Code:		Periodical Publishers 511120			
37	2 of 2	SE/282.1	61.9 / -0.69	Cdn Postmasters/Assts Assn 281 Queen Mary St Ottawa ON K1K 1X1	SCT
Established: Plant Size (ft²): Employment:		01-DEC-05			
--Details-- Description: SIC/NAICS Code:		Labour Organizations 813930			
38	1 of 1	SSW/288.7	59.9 / -2.69	O.C. TRANSPO CORNER OF QUILL ST AND QUEEN MARY ST MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON	SPL
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Contaminant Qty: Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: Health/Env Conseq: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: Dt Document Closed: SAC Action Class: Incident Reason: Incident Summary:		202740 6/6/2001 PIPE/HOSE LEAK		Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse: Site Name: Site Address: Site District Office: Site County/District: Site Postal Code: Site Region: Site Municipality: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Geo Ref Meth: Site Map Datum:	
		Possible Water course or lake Water, Land		20107 WORKS	
		6/6/2001			
		EQUIPMENT FAILURE			
		O.C. TRANSPO:120L ANTIFRE-EZE TO CATCH BASIN FROM BUS, CLEANED/PUMPED OUT			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
39	1 of 1	NE/289.5	59.9 / -2.69	ON	BORE
Borehole ID:	613548			Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::	448931			Northing::	5030782
Location Accuracy::				Orig. Ground Elev m::	61
Elev. Reliability Note::				DEM Ground Elev m::	59.4
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:	218395571			Top Depth(m):	0.0
Bottom Depth(m):	1.2			Stratum Desc:	GRAVEL.
Stratum ID:	218395572			Top Depth(m):	1.2
Bottom Depth(m):	1.8			Stratum Desc:	CLAY. BLACK,PLASTIC.
Stratum ID:	218395573			Top Depth(m):	1.8
Bottom Depth(m):	3.4			Stratum Desc:	CLAY.
Stratum ID:	218395574			Top Depth(m):	3.4
Bottom Depth(m):				Stratum Desc:	BEDROCK. DENSE. BEDROCK. BEDROCK. 00010 020 00025 023 00050 012 00010026000
40	1 of 1	ENE/291.6	59.9 / -2.69	Ottawa ON	WWIS
Well ID:	7122755			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	5/7/2009
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Monitoring and Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z096600			Owner:	
Tag:	A080418			Street Name:	971 LOLA ST.
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1002422227			Elevation:	59.69
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	448942

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB Desc:				Org CS:	UTM83
Open Hole:				North83:	5030769
Cluster Kind:				UTMRC:	4
Date Completed:	07-APR-09			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock
Materials Interval

Formation ID: 1002550557
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 06
Other Materials: SILT
Mat3: 11
Other Materials: GRAVEL
Formation Top Depth: .61
Formation End Depth: 1.5
Formation End Depth UOM: m

Formation ID: 1002550558
Layer: 3
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2: 28
Other Materials: SAND
Mat3: 11
Other Materials: GRAVEL
Formation Top Depth: 1.5
Formation End Depth: 3.1
Formation End Depth UOM: m

Formation ID: 1002550556
Layer: 1
Color: 8
General Color: BLACK
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 0
Formation End Depth: .61
Formation End Depth UOM: m

Formation ID: 1002550559
Layer: 4
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2: 28
Other Materials: SAND

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:		92			
Other Materials:		WEATHERED			
Formation Top Depth:		3.1			
Formation End Depth:		4.27			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1002550561			
Layer:		1			
Plug From:		0			
Plug To:		.91			
Plug Depth UOM:		m			
Plug ID:		1002550562			
Layer:		2			
Plug From:		.91			
Plug To:		4.27			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002550568			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1002550555			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1002550564			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		1.22			
Casing Diameter:		4.03			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1002550565			
Layer:		1			
Slot:		10			
Screen Top Depth:		1.22			
Screen End Depth:		4.27			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.82			
<u>Water Details</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Water ID: 1002550563
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1002550560
Diameter: 8.25
Depth From: 0
Depth To: 4.27
Hole Depth UOM: m
Hole Diameter UOM: cm

[41](#) 1 of 1 **NE/292.5** **59.9 / -2.69** **Ottawa ON** **WWIS**

Well ID: 7122752
Construction Date:
Primary Water Use: Monitoring and Test Hole
Sec. Water Use: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z96590
Tag: A081754
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 5/7/2009
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
Street Name: 971 LOLA ST.
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1002422218
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 08-APR-09
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 59.42
Elevrc:
Zone: 18
East83: 448931
Org CS: UTM83
North83: 5030787
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock
Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		1002550207			
Layer:		2			
Color:		8			
General Color:		BLACK			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:		92			
Other Materials:		WEATHERED			
Formation Top Depth:		.61			
Formation End Depth:		1.22			
Formation End Depth UOM:		m			
Formation ID:		1002550206			
Layer:		1			
Color:		8			
General Color:		BLACK			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		17			
Other Materials:		SHALE			
Mat3:		66			
Other Materials:		DENSE			
Formation Top Depth:		0			
Formation End Depth:		.61			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1002550210			
Layer:		2			
Plug From:		.61			
Plug To:		1.22			
Plug Depth UOM:		m			
Plug ID:		1002550209			
Layer:		1			
Plug From:		0			
Plug To:		.61			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002550216			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1002550205			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1002550212			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material:					
Open Hole or Material:		5			
Depth From:		PLASTIC			
Depth To:		0			
Casing Diameter:		.31			
Casing Diameter UOM:		3.45			
Casing Depth UOM:		cm			
		m			
<u>Construction Record - Screen</u>					
Screen ID:		1002550213			
Layer:		1			
Slot:		10			
Screen Top Depth:		.31			
Screen End Depth:		1.22			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.21			
<u>Water Details</u>					
Water ID:		1002550211			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1002550208			
Diameter:		5.71			
Depth From:		0			
Depth To:		1.22			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
42	1 of 1	ENE/294.4	59.9 / -2.69	Ottawa ON	WWIS
Well ID:		7122753		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Monitoring and Test Hole		Date Received: 5/7/2009	
Sec. Water Use:		0		Selected Flag: Yes	
Final Well Status:		Monitoring and Test Hole		Abandonment Rec:	
Water Type:				Contractor: 7241	
Casing Material:				Form Version: 7	
Audit No:		Z096596		Owner:	
Tag:		A081755		Street Name: 971 LOLA ST.	
Construction Method:				County: OTTAWA-CARLETON	
Elevation (m):				Municipality: OTTAWA CITY	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Bore Hole Information</u>					
Bore Hole ID:	1002422221			Elevation:	59.74
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	448944
Code OB Desc:				Org CS:	UTM83
Open Hole:				North83:	5030771
Cluster Kind:				UTMRC:	4
Date Completed:	08-APR-09			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1002550442				
Layer:	1				
Color:	2				
General Color:	GREY				
Mat1:	11				
Most Common Material:	GRAVEL				
Mat2:	01				
Other Materials:	FILL				
Mat3:	77				
Other Materials:	LOOSE				
Formation Top Depth:	0				
Formation End Depth:	.3				
Formation End Depth UOM:	m				
Formation ID:	1002550443				
Layer:	2				
Color:	8				
General Color:	BLACK				
Mat1:	17				
Most Common Material:	SHALE				
Mat2:	06				
Other Materials:	SILT				
Mat3:	28				
Other Materials:	SAND				
Formation Top Depth:	.3				
Formation End Depth:	1.1				
Formation End Depth UOM:	m				
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:	1002550446				
Layer:	2				
Plug From:	.3				
Plug To:	1.1				
Plug Depth UOM:	m				
Plug ID:	1002550445				
Layer:	1				
Plug From:	0				
Plug To:	.3				
Plug Depth UOM:	m				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Method of Construction & Well Use

Method Construction ID: 1002550452
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1002550441
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002550448
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: .3
Casing Diameter: 3.45
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002550449
Layer: 1
Slot: 10
Screen Top Depth: .3
Screen End Depth: 1.1
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.21

Water Details

Water ID: 1002550447
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1002550444
Diameter: 6.03
Depth From: 0
Depth To: 1.1
Hole Depth UOM: m
Hole Diameter UOM: cm

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
GLOUCESTER ON K1K 1N1					
Generator No.:	ON1285701			PO Box No.:	
Status:				Country:	
Approval Years:	92,93,94,95,96,97,98			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8511				
SIC Description:		ELEMT./SECON. EDUC.			
--Details--					
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
43	2 of 12	WNW/296.0	62.8 / 0.21	CONSEIL DES ECOLES PUBLIQUES PROGRAMME CARTIER 225, RUE DONALD OTTAWA ON K1K 1N1	GEN
Generator No.:	ON1879400			PO Box No.:	
Status:				Country:	
Approval Years:	94			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8511				
SIC Description:		ELEMT./SECON. EDUC.			
--Details--					
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
43	3 of 12	WNW/296.0	62.8 / 0.21	CONSEIL DES ECOLES PUBLIQUES ECOLE SECONDAIRE PUBLIQUE LE CARREFOUR 225 RUE DONALD OTTAWA ON K1K 1N1	GEN
Generator No.:	ON1879400			PO Box No.:	
Status:				Country:	
Approval Years:	99,00,01			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8511				
SIC Description:		ELEMT./SECON. EDUC.			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
43	4 of 12	WNW/296.0	62.8 / 0.21	+quipe de santÚ familiale communautaire est ottawa 225 Donald st. suite 120 Ottawa ON K1K 1N1	GEN
Generator No.:	ON6646393			PO Box No.:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	621110, 621494				
SIC Description:	Offices of Physicians, Community Health Centres				
--Details--					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
43	5 of 12	WNW/296.0	62.8 / 0.21	+quipe de santÚ familiale communautaire est ottawa 225 Donald st. suite 120 Ottawa ON K1K 1N1	GEN
Generator No.:	ON6646393			PO Box No.:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	621110, 621494				
SIC Description:	Offices of Physicians, Community Health Centres				
--Details--					
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
43	6 of 12	WNW/296.0	62.8 / 0.21	Equipe de sante familiale communautaire est ottawa 225 Donald st. suite 120 Ottawa ON K1K 1N1	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No.:	ON6646393			PO Box No.:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	621110, 621494				
SIC Description:	Offices of Physicians, Community Health Centres				
--Details--					
Waste Code:	261				
Waste Description:	PHARMACEUTICALS				
Waste Code:	312				
Waste Description:	PATHOLOGICAL WASTES				
43	7 of 12	WNW/296.0	62.8 / 0.21	+quipe de santÚ familiale communautaire est ottawa 225 Donald st. suite 120 Ottawa ON	GEN
Generator No.:	ON6646393			PO Box No.:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	621110, 621494				
SIC Description:	OFFICES OF PHYSICIANS				
--Details--					
Waste Code:	312				
Waste Description:	PATHOLOGICAL WASTES				
Waste Code:	261				
Waste Description:	PHARMACEUTICALS				
43	8 of 12	WNW/296.0	62.8 / 0.21	Otis Canada, Inc 225 Donald 2480 Lancaster Ottawa ON	GEN
Generator No.:	ON3803123			PO Box No.:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	493110				
SIC Description:	GENERAL WAREHOUSING AND STORAGE				
--Details--					
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				
43	9 of 12	WNW/296.0	62.8 / 0.21	Equipe de sante familiale communautaire est ottawa 225 Donald st. suite 120 Ottawa ON K1K 1N1	GEN
Generator No.:	ON6646393			PO Box No.:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: Approval Years: 2016 Contam. Facility: No MHSW Facility: No SIC Code: 621110, 621494 SIC Description: OFFICES OF PHYSICIANS, 621494					
Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Phone No. Admin:					
--Details--					
Waste Code: 312					
Waste Description: PATHOLOGICAL WASTES					
Waste Code: 261					
Waste Description: PHARMACEUTICALS					
43	10 of 12	WNW/296.0	62.8 / 0.21	Equipe de sante familiale communautaire est ottawa 225 Donald st. suite 120 Ottawa ON K1K 1N1	GEN
Generator No.: ON6646393					
Status:					
Approval Years: 2015					
Contam. Facility: No					
MHSW Facility: No					
SIC Code: 621110, 621494					
SIC Description: OFFICES OF PHYSICIANS, 621494					
PO Box No.:					
Country: Canada					
Choice of Contact: CO_OFFICIAL					
Co Admin:					
Phone No. Admin:					
--Details--					
Waste Code: 261					
Waste Description: PHARMACEUTICALS					
Waste Code: 312					
Waste Description: PATHOLOGICAL WASTES					
43	11 of 12	WNW/296.0	62.8 / 0.21	Equipe de sante familiale communautaire est ottawa 225 Donald st. suite 120 Ottawa ON K1K 1N1	GEN
Generator No.: ON6646393					
Status:					
Approval Years: 2014					
Contam. Facility: No					
MHSW Facility: No					
SIC Code: 621110, 621494					
SIC Description: OFFICES OF PHYSICIANS, 621494					
PO Box No.:					
Country: Canada					
Choice of Contact: CO_OFFICIAL					
Co Admin:					
Phone No. Admin:					
--Details--					
Waste Code: 261					
Waste Description: PHARMACEUTICALS					
Waste Code: 312					
Waste Description: PATHOLOGICAL WASTES					
43	12 of 12	WNW/296.0	62.8 / 0.21	Equipe de sante familiale communautaire est ottawa Overbrook-Forbes 225 Donald st. suite 120 Ottawa ON K1K 1N1	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Generator No.: ON6646393
Status: Registered
Approval Years: As of Dec 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

--Details--

Waste Code: 312 P
Waste Description: Pathological wastes

Waste Code: 261 A
Waste Description: Pharmaceuticals

44	1 of 2	ENE/299.5	59.9 / -2.69	971 LOLA STREET OTTAWA ON K1K 3P4	HINC
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External File Num: FS INC 0903-01408
Date of Occurrence: 3/17/2009
Fuel Occurrence Type: Leak
Fuel Type Involved: Fuel Oil
Status Desc:: Completed - Causal Analysis(End)
Job Type Desc:: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:: Private Dwelling
Service Interruptions:: No
Property Damage:: No
Fuel Life Cycle Stage:: Utilization
Root Cause:: Root Cause: Equipment/Material/Component:Yes Procedures:No Maintenance:No Design:Yes
 Training:No Management:No Human Factors:No

Reported Details::
Fuel Category:: Liquid Fuel
Occurrence Type:: Incident
Affiliation:: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:: Ottawa
Approx. Quant. Rel.: 0
Nearby body of water:: No
Enter Drainage Syst.: No
Approx. Quant. Unit:: Liters
Environmental Impact::

44	2 of 2	ENE/299.5	59.9 / -2.69	lot 49 Ottawa ON	WWIS
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Well ID: 7134492
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z106947
Tag: A080419
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:

Data Entry Status:
Data Src:
Date Received: 11/19/2009
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 6964
Form Version: 7
Owner:
Street Name: 971 LOLA STREET
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot: 049
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1002835193			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				Org CS:	UTM83
Open Hole:				North83:	
Cluster Kind:				UTMRC:	9
Date Completed:	13-OCT-09			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1003024284				
Layer:	1				
Plug From:	0				
Plug To:	5				
Plug Depth UOM:	m				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1003024288				
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	1003024281				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1003024286				
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:	cm				
Casing Depth UOM:	m				
<u>Construction Record - Screen</u>					
Screen ID:	1003024287				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM: m					
Screen Diameter UOM: cm					
Screen Diameter:					
<u>Water Details</u>					
Water ID: 1003024285					
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM: m					
<u>Hole Diameter</u>					
Hole ID: 1003024283					
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM: m					
Hole Diameter UOM: cm					

Unplottable Summary

Total: **24** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	OC TRANSP	SMYTH TRANSIT STATION	OTTAWA CITY ON	
CA	Petro-Canada		Ottawa ON	
ECA	Petro-Canada Inc.		Ottawa ON	L6L 6N5
ECA	Humanics Universal Inc.	Part of Lot 7	Ottawa ON	K4A 1Z6
GEN	CONSEIL DES ECOLES PUBLIQUES	ECOLE ELEMENTAIRE PUBLIQUE CHARLOTTE-LEMIEUX, 2093, PROM. BEL-AIR	OTTAWA ON	K2C 0X2
GEN	CONSEIL DES ECOLES PUBLIQUES DE L'EST DE L'ONTARIO	OTTAWA	OTTAWA ON	K1K 1L8
SPL	OC Transpo<UNOFFICIAL>	Wilbrod / Queen St	Ottawa ON	
SPL	O.C. TRANSP	AT THE BLAIR TRANSIT STATION MOTOR VEHICLE (OPERATING FLUID)	OTTAWA ON	
SPL	OC TRANSP	MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	
SPL	O.C. TRANSP	WESTBOUND TRANSIT AT BOOTH MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	
SPL	O.C. TRANSP	BLAIR STATION - TRANSITWAY MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	
SPL	OC Transpo<UNOFFICIAL>	South Cheeze Plaza, Greenboro Park & Ride	Ottawa ON	
SPL	OC Transpo<UNOFFICIAL>	Conroy Rd, North of Rosebella	Ottawa ON	
SPL	Petro Canada Fuels<UNOFFICIAL>	West of Eagleson	Ottawa ON	
SPL	OC Transpo/ City of Ottawa<UNOFFICIAL>	@ Fallowfield	Ottawa ON	
SPL	O.C. TRANSP	PINECREST STATION IN QUEENSDALE OTTAWA SITE 1500 ST. LAURENT BOULEVARD	OTTAWA CITY ON	

SPL	OTTAWA-CARLETON	OC TRANSPO GARAGE	OTTAWA CITY ON
SPL	PETRO-CANADA	SERVICE STATION	OTTAWA CITY ON
SPL	O.C. TRANSPO	BLAIR TRANSITWAY STATION OLGAVIE MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON
SPL	OC Transpo<UNOFFICIAL>	Mackenzie King Bridge to Billiing Bridge Terminal<UNOFFICIAL>	Ottawa ON
SPL	OTTAWA-CARLETON	IN GREENS CRK. OC TRANSPO GARAGE	OTTAWA CITY ON
SPL	OC Transpo<UNOFFICIAL>	On Montreal Road westbound at Hwy 174	Ottawa ON
WWIS		lot 7	ON
WWIS		lot 8	ON

Unplottable Report

Site: OC TRANSP
SMYTH TRANSIT STATION OTTAWA CITY ON

Database:
CA

Certificate #: 8-4134-89-
Application Year: 89
Issue Date: 1/3/1990
Approval Type: Industrial air
Status: Approved in 1990
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description:: INTERCEPTION/COLLECTION OF LANDFILL GASE
Contaminants:: Other Organic Compounds, Odour/Fumes
Emission Control:: No Controls

Site: Petro-Canada
Ottawa ON

Database:
CA

Certificate #: 5607-79YMZ8
Application Year: 2008
Issue Date: 2/12/2008
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: Petro-Canada Inc.
Ottawa ON L6L 6N5

Database:
ECA

Approval No: 4810-4UMJP8
Approval Date: 2001-03-12
Status: Approved
Record Type: ECA
Link Source: IDS
Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/7825-4UCP9D-14.pdf>

SWP Area Name:
MOE District:
City: Ottawa
Longitude:
Latitude:

Site: Humanics Universal Inc.
Part of Lot 7 Ottawa ON K4A 1Z6

Database:
ECA

Approval No: 2541-AK4T53
Approval Date: 2017-03-30
Status: Approved
Record Type: ECA

SWP Area Name:
MOE District:
City: Ottawa
Longitude:

Link Source: IDS **Latitude:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Part of Lot 7
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/6813-AA2NAF-14.pdf>

Site: **CONSEIL DES ECOLES PUBLIQUES** **Database:**
ECOLE ELEMENTAIRE PUBLIQUE CHARLOTTE-LEMIEUX, 2093, PROM. BEL-AIR OTTAWA ON K2C 0X2 **GEN**

Generator No.: ON1879408 **PO Box No.:**
Status: **Country:**
Approval Years: 94,95,96,97,98 **Choice of Contact:**
Contam. Facility: **Co Admin:**
MHSW Facility: **Phone No. Admin:**
SIC Code: 8511
SIC Description: ELEMNT./SECON. EDUC.

--Details--

Waste Code: 243
Waste Description: PCB'S

Site: **CONSEIL DES ECOLES PUBLIQUES DE L'EST DE L'ONTARIO** **Database:**
OTTAWA OTTAWA ON K1K 1L8 **GEN**

Generator No.: ON1477723 **PO Box No.:**
Status: **Country:**
Approval Years: 04 **Choice of Contact:**
Contam. Facility: **Co Admin:**
MHSW Facility: **Phone No. Admin:**
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

Site: **OC Transpo<UNOFFICIAL>** **Database:**
Wilbrod / Queen St Ottawa ON **SPL**

Ref No: 8005-6B7TRT **Discharger Report:** 0
Site No: **Material Group:** Oil
Incident Dt: 4/6/2005 **Client Type:**
Year: **Sector Type:** Other Motor Vehicle
Incident Cause: Pipe Or Hose Leak **Source Type:**
Incident Event: **Nearest Watercourse:**
Contaminant Code: **Site Name:** Mackenzie King Bridge<UNOFFICIAL>
Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED) **Site Address:**
Contaminant Limit 1: **Site District Office:** Ottawa
Contam Limit Freq 1: **Site County/District:**
Contaminant UN No 1: **Site Postal Code:**
Contaminant Qty: **Site Region:**
Environment Impact: Possible **Site Municipality:** Ottawa
Nature of Impact: Surface Water Pollution **Site Lot:**
Receiving Medium: Water **Site Conc:**
Receiving Env: **Nothing:**
Health/Env Conseq: **Easting:**
MOE Response: **Site Geo Ref Accu:**
Dt MOE Arvl on Scn: **Site Geo Ref Meth:**
MOE Reported Dt: 4/6/2005 **Site Map Datum:**
Dt Document Closed:
SAC Action Class: Spills
Incident Reason: Unknown - Reason not determined
Incident Summary: OC Transpo - 4L Motor Oil to bridge

Site: O.C. TRANSPO
AT THE BLAIR TRANSIT STATION MOTOR VEHICLE (OPERATING FLUID) OTTAWA ON

Database:
SPL

Ref No:	185878	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	9/1/2000	Client Type:	
Year:		Sector Type:	
Incident Cause:	OTHER CONTAINER LEAK	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:		Site Name:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Site Region:	
Environment Impact:	POSSIBLE	Site Municipality:	20107
Nature of Impact:	Water course or lake	Site Lot:	
Receiving Medium:	LAND/WATER	Site Conc:	
Receiving Env:		Northing:	
Health/Env Conseq:		Easting:	WORKS
MOE Response:		Site Geo Ref Accu:	
Dt MOE Arvl on Scn:		Site Geo Ref Meth:	
MOE Reported Dt:	9/1/2000	Site Map Datum:	
Dt Document Closed:			
SAC Action Class:			
Incident Reason:	EQUIPMENT FAILURE		
Incident Summary:	O.C. TRANSPO -20 L OF ANTI-FREEZE TO RD. AND CATCH BASIN FROM BUS.		

Site: OC TRANSPO
MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database:
SPL

Ref No:	241575	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	10/6/2002	Client Type:	
Year:		Sector Type:	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:		Site Name:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Site Region:	
Environment Impact:	POSSIBLE	Site Municipality:	20107
Nature of Impact:	Water course or lake	Site Lot:	
Receiving Medium:	WATER, LAND	Site Conc:	
Receiving Env:		Northing:	
Health/Env Conseq:		Easting:	
MOE Response:		Site Geo Ref Accu:	
Dt MOE Arvl on Scn:		Site Geo Ref Meth:	
MOE Reported Dt:	10/6/2002	Site Map Datum:	
Dt Document Closed:			
SAC Action Class:			
Incident Reason:	UNKNOWN		
Incident Summary:	OC TRANSPO: 10L ANTIFREEZE TO STORMS, ROAD. SEWERMATIC RESPONDING.		

Site: O.C. TRANSPO
WESTBOUND TRANSIT AT BOOTH MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database:
SPL

Ref No:	165955	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	3/29/1999	Client Type:	
Year:		Sector Type:	
Incident Cause:	PIPE/HOSE LEAK	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:		Site Name:	

Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Site Region:	
Environment Impact:	NOT ANTICIPATED	Site Municipality:	20101
Nature of Impact:	Soil contamination	Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
Health/Env Conseq:		Easting:	WORKS
MOE Response:		Site Geo Ref Accu:	
Dt MOE Arvl on Scn:		Site Geo Ref Meth:	
MOE Reported Dt:	3/29/1999	Site Map Datum:	
Dt Document Closed:			
SAC Action Class:			
Incident Reason:	OVERSTRESS/OVERPRESSURE		
Incident Summary:	O.C. TRANSP:20 L HYDRAU-LIC OIL TO ROAD,CLEANING		

Site: O.C. TRANSPO **Database:**
SPL
BLAIR STATION - TRANSITWAY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Ref No:	157234	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	6/25/1998	Client Type:	
Year:		Sector Type:	
Incident Cause:	OTHER CONTAINER LEAK	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:		Site Name:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Site Region:	
Environment Impact:	NOT ANTICIPATED	Site Municipality:	20101
Nature of Impact:		Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
Health/Env Conseq:		Easting:	
MOE Response:		Site Geo Ref Accu:	
Dt MOE Arvl on Scn:		Site Geo Ref Meth:	
MOE Reported Dt:	6/25/1998	Site Map Datum:	
Dt Document Closed:			
SAC Action Class:			
Incident Reason:	EQUIPMENT FAILURE		
Incident Summary:	O.C. TRANSP: DIESEL FUEL TO CATCHBASIN		

Site: OC Transpo<UNOFFICIAL> **Database:**
SPL
South Cheeze Plaza, Greenboro Park & Ride Ottawa ON

Ref No:	4685-5NQHSS	Discharger Report:	
Site No:		Material Group:	Miscellaneous
Incident Dt:	6/21/2003	Client Type:	
Year:		Sector Type:	Other
Incident Cause:	Intent - Intentional or planned occurrence	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:		Site Name:	OC TRANSP<UNOFFICIAL>
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	Ottawa
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Site Region:	Eastern
Environment Impact:	Possible	Site Municipality:	Ottawa
Nature of Impact:	Soil Contamination	Site Lot:	
Receiving Medium:	Land	Site Conc:	
Receiving Env:		Northing:	
Health/Env Conseq:		Easting:	

MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 6/21/2003
Dt Document Closed:
SAC Action Class: Spill to Land
Incident Reason: Other - Reason not otherwise defined
Incident Summary: OC Transpo-225 Gal contaminated soil dumped to lot

Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: OC Transpo<UNOFFICIAL>
Conroy Rd, North of Rosebella Ottawa ON

Database:
SPL

Ref No: 8207-5UQJFL
Site No:
Incident Dt: 12/30/2003
Year:
Incident Cause: Other Transport Accident
Incident Event:
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 50 L
Environment Impact: Possible
Nature of Impact: Soil Contamination
Receiving Medium: Land
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 12/30/2003
Dt Document Closed:
SAC Action Class: Spill to Land
Incident Reason: Equipment Failure
Incident Summary: Conroy Rd. - 50L diesel spill

Discharger Report:
Material Group: Oil
Client Type:
Sector Type: Other Motor Vehicle
Source Type:
Nearest Watercourse:
Site Name: DITCH <UNOFFICIAL>
Site Address:
Site District Office: Ottawa
Site County/District:
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: Petro Canada Fuels<UNOFFICIAL>
West of Eagleson Ottawa ON

Database:
SPL

Ref No: 7820-9Q5NJP
Site No: NA
Incident Dt: 2014/10/22
Year:
Incident Cause: Unknown / N/A
Incident Event:
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 50 L
Environment Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium:
Receiving Env:
Health/Env Conseq:
MOE Response: No Field Response
Dt MOE Arvl on Scn:
MOE Reported Dt: 2014/10/22
Dt Document Closed: 2014/10/24
SAC Action Class: Highway Spills (usually highway accidents)
Incident Reason: Unknown / N/A
Incident Summary: Petro Canada Fuels, 50L Diesel to rd, Cln

Discharger Report:
Material Group:
Client Type:
Sector Type: Truck - Tanker
Source Type:
Nearest Watercourse:
Site Name: Fallowfield Rd<UNOFFICIAL>
Site Address: West of Eagleson
Site District Office:
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: OC Transpo/ City of Ottawa<UNOFFICIAL>
@ Fallowfield Ottawa ON

Database:
SPL

Ref No: 0663-9BQ7ZM
Site No:
Incident Dt: 2013/09/20
Year:
Incident Cause: Unknown / N/A
Incident Event:
Contaminant Code: 15
Contaminant Name: HYDRAULIC OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 300 L
Environment Impact: Not Anticipated
Nature of Impact: Other Impact(s)
Receiving Medium:
Receiving Env:
Health/Env Conseq:
MOE Response: No Field Response
Dt MOE Arvl on Scn:
MOE Reported Dt: 2013/09/20
Dt Document Closed:
SAC Action Class: Land Spills
Incident Reason: Unknown / N/A
Incident Summary: OC Transpo: Bus accident, EGR requested

Discharger Report:
Material Group:
Client Type:
Sector Type: Unknown / N/A
Source Type:
Nearest Watercourse:
Site Name: Woodroffe Transitway<UNOFFICIAL>
Site Address: @ Fallowfield
Site District Office:
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: O.C. TRANSPO
PINECREST STATION IN QUEENSDALE OTTAWA SITE 1500 ST. LAURENT BOULEVARD OTTAWA CITY ON

Database:
SPL

Ref No: 118820
Site No:
Incident Dt: 9/22/1995
Year:
Incident Cause: UNDERGROUND TANK LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
Environment Impact: CONFIRMED
Nature of Impact: Soil contamination
Receiving Medium: LAND
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 9/22/1995
Dt Document Closed:
SAC Action Class:
Incident Reason: UNKNOWN
Incident Summary: O.C. TRANSPO:DIESEL FUEL LEAK FOUND DURING LEAK DETECTION TESTING.

Discharger Report:
Material Group:
Client Type:
Sector Type:
Source Type:
Nearest Watercourse:
Site Name:
Site Address:
Site District Office:
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting: MCCR
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: OTTAWA-CARLETON
OC TRANSPO GARAGE OTTAWA CITY ON

Database:
SPL

Ref No: 4141
Site No:
Incident Dt: 6/11/1988
Year:
Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Event:
Contaminant Code:

Discharger Report:
Material Group:
Client Type:
Sector Type:
Source Type:
Nearest Watercourse:
Site Name:

Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
Environment Impact:
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 6/13/1988
Dt Document Closed:
SAC Action Class:
Incident Reason: MATERIAL FAILURE
Incident Summary: O-C TRANSP - 800-1000LTRLUBE TO PVMT. ON 06/11 CONTAINED ON PROPERTY.

Site Address:
Site District Office:
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting: OC TRANSP
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: **PETRO-CANADA**
SERVICE STATION OTTAWA CITY ON

Database:
SPL

Ref No: 30833
Site No:
Incident Dt: 2/12/1990
Year:
Incident Cause: OTHER CONTAINER LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
Environment Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 2/12/1990
Dt Document Closed:
SAC Action Class:
Incident Reason: CORROSION
Incident Summary: PETRO CANADA SERVICE STN.FURANCE OIL LEAK.

Discharger Report:
Material Group:
Client Type:
Sector Type:
Source Type:
Nearest Watercourse:
Site Name:
Site Address:
Site District Office:
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: **O.C. TRANSP**
BLAIR TRANSITWAY STATION OLGAVIE MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database:
SPL

Ref No: 200147
Site No:
Incident Dt: 5/8/2001
Year:
Incident Cause: PIPE/HOSE LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
Environment Impact: Possible
Nature of Impact: Water course or lake
Receiving Medium: Water, Land
Receiving Env:
Health/Env Conseq:

Discharger Report:
Material Group:
Client Type:
Sector Type:
Source Type:
Nearest Watercourse:
Site Name:
Site Address:
Site District Office:
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: 20107
Site Lot:
Site Conc:
Northing:
Easting: WORKS

MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 5/8/2001
Dt Document Closed:
SAC Action Class:
Incident Reason: EQUIPMENT FAILURE
Incident Summary: O.C. TRANSP: 4 L ANTIFRE-EZE TO CATCH BASIN FROM BUS, CLEANED UP, WORKS.

Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: OC Transpo<UNOFFICIAL>
 Mackenzie King Bridge to Billiing Bridge Terminal<UNOFFICIAL> Ottawa ON **Database:** SPL

Ref No:	2511-6FEQLM	Discharger Report:	0
Site No:		Material Group:	Oil
Incident Dt:	8/19/2005	Client Type:	
Year:		Sector Type:	Other Motor Vehicle
Incident Cause:	Pipe Or Hose Leak	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:		Site Name:	Mackenzie King Bridge to Billiing Bridge Terminal<UNOFFICIAL>
Contaminant Name:	POWER STEARING FLUID	Site Address:	
Contaminant Limit 1:		Site District Office:	Ottawa
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Site Region:	
Environment Impact:	Not Anticipated	Site Municipality:	Ottawa
Nature of Impact:		Site Lot:	
Receiving Medium:	Land & Water	Site Conc:	
Receiving Env:		Northing:	
Health/Env Conseq:		Easting:	
MOE Response:		Site Geo Ref Accu:	
Dt MOE Arvl on Scn:		Site Geo Ref Meth:	
MOE Reported Dt:	8/19/2005	Site Map Datum:	
Dt Document Closed:			
SAC Action Class:	Spills to Land		
Incident Reason:	Equipment Failure		
Incident Summary:	OC Transp,5 L power steering oil to rd & sewer, City Ottawa		

Site: OTTAWA-CARLETON
 IN GREENS CRK. OC TRANSP GARAGE OTTAWA CITY ON **Database:** SPL

Ref No:	93937	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	11/29/1993	Client Type:	
Year:		Sector Type:	
Incident Cause:	CONTAINER OVERFLOW	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:		Site Name:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Site Region:	
Environment Impact:	POSSIBLE	Site Municipality:	20101
Nature of Impact:	Water course or lake	Site Lot:	
Receiving Medium:	WATER	Site Conc:	
Receiving Env:		Northing:	
Health/Env Conseq:		Easting:	OTTAWA WORKS, GLOUCESTER, REGION
MOE Response:		Site Geo Ref Accu:	
Dt MOE Arvl on Scn:		Site Geo Ref Meth:	
MOE Reported Dt:	11/29/1993	Site Map Datum:	
Dt Document Closed:			
SAC Action Class:			
Incident Reason:	NEGLIGENCE (APPARENT)		
Incident Summary:	OTTAWA/CARLETON TRANSIT - DIESEL FUEL TO GREENS CRK. FROM SEPARATOR.		

Site: OC Transpo<UNOFFICIAL>
On Montreal Road westbound at Hwy 174 Ottawa ON

Database:
SPL

Ref No: 5566-65YJRS
Site No:
Incident Dt: 10/21/2004
Year:
Incident Cause: Pipe Or Hose Leak
Incident Event:
Contaminant Code: 27
Contaminant Name: COOLANT N.O.S.
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 20 L
Environment Impact: Confirmed
Nature of Impact: Other Impact(s)
Receiving Medium: Land
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scrn:
MOE Reported Dt: 10/21/2004
Dt Document Closed:
SAC Action Class:
Incident Reason: Unknown - Reason not determined
Incident Summary: OC Transpo: 20L coolant to road, cln

Discharger Report:
Material Group: Chemical
Client Type:
Sector Type: Other Motor Vehicle
Source Type:
Nearest Watercourse:
Site Name: BUS<UNOFFICIAL>
Site Address:
Site District Office: Ottawa
Site County/District:
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: lot 7 ON

Database:
WWIS

Well ID: 1524618
Construction Date:
Primary Water Use: Cooling And A/C
Sec. Water Use:
Final Well Status: Test Hole
Water Type:
Casing Material:
Audit No: 84331
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 6/21/1990
Selected Flag: Yes
Abandonment Rec:
Contractor: 5222
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot: 007
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10046366
DP2BR: 12
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 13-JUN-90
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:

Elevation:
Elevrc:
Zone: 18
East83:
Org CS:
North83:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock
Materials Interval

Formation ID: 931058525
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 77
Other Materials: LOOSE
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Formation ID: 931058527
Layer: 3
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 12
Formation End Depth: 21
Formation End Depth UOM: ft

Formation ID: 931058526
Layer: 2
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 08
Other Materials: FINE SAND
Mat3:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 12
Formation End Depth UOM: ft

Method of Construction & Well
Use

Method Construction ID: 961524618
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10594936
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081182
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 10
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Site:
lot 8 ON

Database:
WWIS

Well ID: 1500396
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 2/26/1948
Selected Flag: Yes
Abandonment Rec:
Contractor: 1107
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY (GLOUCESTER)
Site Info:
Lot: 008
Concession:
Concession Name: JG
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10022441
DP2BR: 28
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 29-OCT-47
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
Org CS:
North83:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock

Materials Interval

Formation ID: 930989161
Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:

Formation Top Depth: 0
Formation End Depth: 28
Formation End Depth UOM: ft

Formation ID: 930989162
Layer: 2
Color:
General Color:
Mat1: 26
Most Common Material: ROCK
Mat2: 19
Other Materials: SLATE
Mat3:
Other Materials:
Formation Top Depth: 28
Formation End Depth: 51
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961500396
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10571011
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930037815
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 28
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Casing ID: 930037816
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 51
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991500396
Pump Set At:
Static Level: 6
Final Level After Pumping: 6
Recommended Pump Depth:
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 8

Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: N

Water Details

Water ID: 933452913
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 51
Water Found Depth UOM: ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial [AAGR](#)

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial [AGR](#)

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

Government Publication Date: Up to Sep 2017

Abandoned Mine Information System:

Provincial [AMIS](#)

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

Government Publication Date: 1800-Nov 2016

Anderson's Waste Disposal Sites:

Private [ANDR](#)

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

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies:

Private [AUWR](#)

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

Government Publication Date: 1999-Jan 31, 2018

Borehole:

Provincial [BORE](#)

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

Government Publication Date: 1875-Jul 2014

Certificates of Approval:

Provincial [CA](#)

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

Government Publication Date: 1985-Oct 30, 2011*

Commercial Fuel Oil Tanks:

Provincial [CFOT](#)

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

Government Publication Date: Feb 28, 2017

Chemical Register:

Private [CHEM](#)

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

Government Publication Date: 1999-Jan 31, 2018

Compressed Natural Gas Stations:

Private [CNG](#)

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

Government Publication Date: Dec 31, 2012

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial [COAL](#)

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial [CONV](#)

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

Government Publication Date: 1989-Apr 2018

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-Apr 30, 2018

Drill Hole Database:

Provincial [DRL](#)

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

Government Publication Date: 1886-Nov 30, 2017

Dry Cleaning Facilities:

Federal [DRYCLEANERS](#)

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

Government Publication Date: Jan 2004-Dec 2016

Environmental Activity and Sector Registry:

Provincial [EASR](#)

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

Government Publication Date: Oct 2011-Jun 30, 2018

Environmental Registry:Provincial **EBR**

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

Government Publication Date: 1994-Apr 30, 2018**Environmental Compliance Approval:**Provincial **ECA**

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

Government Publication Date: Oct 2011-Jun 30, 2018**Environmental Effects Monitoring:**Federal **EEM**

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

Government Publication Date: 1992-2007***ERIS Historical Searches:**Private **EHS**

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

Government Publication Date: 1999-Feb 28, 2018**Environmental Issues Inventory System:**Federal **EIIS**

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

Government Publication Date: 1992-2001***Emergency Management Historical Event:**Provincial **EMHE**

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

Government Publication Date: Dec 31, 2016**List of TSSA Expired Facilities:**Provincial **EXP**

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

Government Publication Date: Feb 28, 2017**Federal Convictions:**Federal **FCON**

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

FCS

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

Government Publication Date: Jun 2000-May 2018

Fisheries & Oceans Fuel Tanks:

Federal

FOFT

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

Government Publication Date: 1964-Sep 2017

Fuel Storage Tank:

Provincial

FST

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

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic:

Provincial

FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

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

Government Publication Date: 1986-December 31, 2017

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

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

Government Publication Date: 2013-Dec 2016

TSSA Historic Incidents:

Provincial

HINC

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

TSSA Incidents:

Provincial **INC**

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial **LIMO**

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

Government Publication Date: Dec 31, 2013

Canadian Mine Locations:

Private **MINE**

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

Government Publication Date: 1998-2009*

Environmental Penalty Annual Report:

Provincial **MISA PENALTY**

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2017

Mineral Occurrences:

Provincial **MNR**

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

Government Publication Date: 1846-Jan 2018

National Analysis of Trends in Emergencies System (NATES):

Federal **NATE**

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial **NCPL**

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

Government Publication Date: Dec 31, 2016

National Defense & Canadian Forces Fuel Tanks:

Federal **NDFT**

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Mar 31, 2018

National Energy Board Wells:

Federal

NEBW

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

OGW

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

Government Publication Date: 1988-April 30, 2018

Ontario Oil and Gas Wells:

Provincial

OGGW

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

Government Publication Date: 1800-May 2018

Inventory of PCB Storage Sites:

Provincial [OPCB](#)

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

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

Orders:

Provincial [ORD](#)

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

Government Publication Date: 1994-Apr 30, 2018

Canadian Pulp and Paper:

Private [PAP](#)

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

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

Parks Canada Fuel Storage Tanks:

Federal [PCFT](#)

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial [PES](#)

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

Government Publication Date: 1988-Mar 2018

TSSA Pipeline Incidents:

Provincial [PINC](#)

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial [PRT](#)

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial [PTTW](#)

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

Government Publication Date: 1994-Apr 30, 2018

Ontario Regulation 347 Waste Receivers Summary:

Provincial [REC](#)

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

Government Publication Date: 1986-2016

<u>Record of Site Condition:</u>	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-Apr 2018		
<u>Retail Fuel Storage Tanks:</u>	Private	RST
This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.		
Government Publication Date: 1999-Jan 31, 2018		
<u>Scott's Manufacturing Directory:</u>	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*		
<u>Ontario Spills:</u>	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 2018		
<u>Wastewater Discharger Registration Database:</u>	Provincial	SRDS
Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).		
Government Publication Date: 1990-Dec 31, 2016		
<u>Anderson's Storage Tanks:</u>	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*		
<u>Transport Canada Fuel Storage Tanks:</u>	Federal	TCFT
List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.		
Government Publication Date: 1970-Aug 2017		
<u>TSSA Variances for Abandonment of Underground Storage Tanks:</u>	Provincial	VAR
List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a variance from this code requirement.		
Government Publication Date: Feb 28, 2017		
<u>Waste Disposal Sites - MOE CA Inventory:</u>	Provincial	WDS
The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.		
Government Publication Date: Oct 2011-Jun 30, 2018		

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: Dec 31, 2017

Definitions

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

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

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

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

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

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

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

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

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


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

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

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

APPENDIX F
MECP Freedom of Information Request

This form is for requesting documents which are in the Ministry's files on environmental concerns related to properties. Please refer to the guide on the completion and use of this form. Our fax no. is (416) 314-4285.

Requester Data			For Ministry Use Only	
Name, Title, Company Name and Mailing Address of Requester Julie Roy Pinchin Ltd. 1 Hines Road, Suite 200 Kanata, Ontario K2K 3C7 For questions or concerns please contact Julie Roy at: jroy@pinchin.com			FOI Request No.	FOI Co-ordinator Review date
			Date Request Received	Fee Paid ~ ACCT ~ CHQ <input checked="" type="checkbox"/> VISA ~ CASH
			Response Due Date	
Telephone/Fax Nos. Tel: (613) 592-3387 ext 1833 Fax (613) 592-5897	Your Project/Reference No. 226649	Signature of Requester 	<input type="checkbox"/> CNR <input type="checkbox"/> ER <input type="checkbox"/> NOR <input type="checkbox"/> SWR <input type="checkbox"/> <input type="checkbox"/> WCR <input type="checkbox"/> SAC <input type="checkbox"/> IEB <input type="checkbox"/> EAA <input type="checkbox"/>	
Request Parameters				
Municipal Address / Lot, Concession, Geographic Township (Municipal address essential for cities, towns or regions)				
261 and 265 Columbus Avenue, Ottawa, ON (one Site)				
Present Property Owner(s) and Date(s) of Ownership				
2645191 Ontario INC.				
Previous Property Owner(s) and Date(s) of Ownership				
Present/Previous Tenant(s), (if applicable)				
Search Parameters				Specify Year(s) Requested
Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.				
Environmental concerns (General correspondence, occurrence reports, abatement)				ALL
Orders				ALL
Spills				ALL
Investigations/prosecutions ▶ Owner/tenant information must be provided				ALL
Waste Generator number/classes				ALL
Certificates of Approval ▶ Proponent information must be provided				
1985 and prior records are searched manually. Search fees in excess of \$300.00 could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number (s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, hydrogeological reports, etc.				
			SD	Specify Year(s) Requested
air – emissions				
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)				
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations				
waste water - industrial discharge				
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites				
waste systems	- haulers: sewage, non-hazardous & hazardous waste			
	- mobile waste processing units			
	- PCB destruction			
pesticides - licenses				

APPENDIX G
TSSA Archival Request

Tamila Tovey

From: Julie Roy
Sent: Tuesday, August 14, 2018 10:45 AM
To: 'Public Information Services'
Subject: TSSA Archival Searches
Attachments: 261 Columbus TSSA Request.pdf; 265 Columbus TSSA Request - Copy.pdf

Can you please process the attached archival requests?
Thank you

Julie Roy
Administrative Assistant

Pinchin Ltd.
1 Hines Road, Suite 200, Kanata ON K2K 3C7
T: 613.592.3387 ext. 1833 | pinchin.com

APPENDIX H
Maps

75°40'W

75°39'30"W

75°39'W

75°38'30"W

75°38'W

75°37'30"W

45°27'N

45°26'30"N

45°26'N

45°25'30"N

45°25'N

45°26'N

45°25'30"N

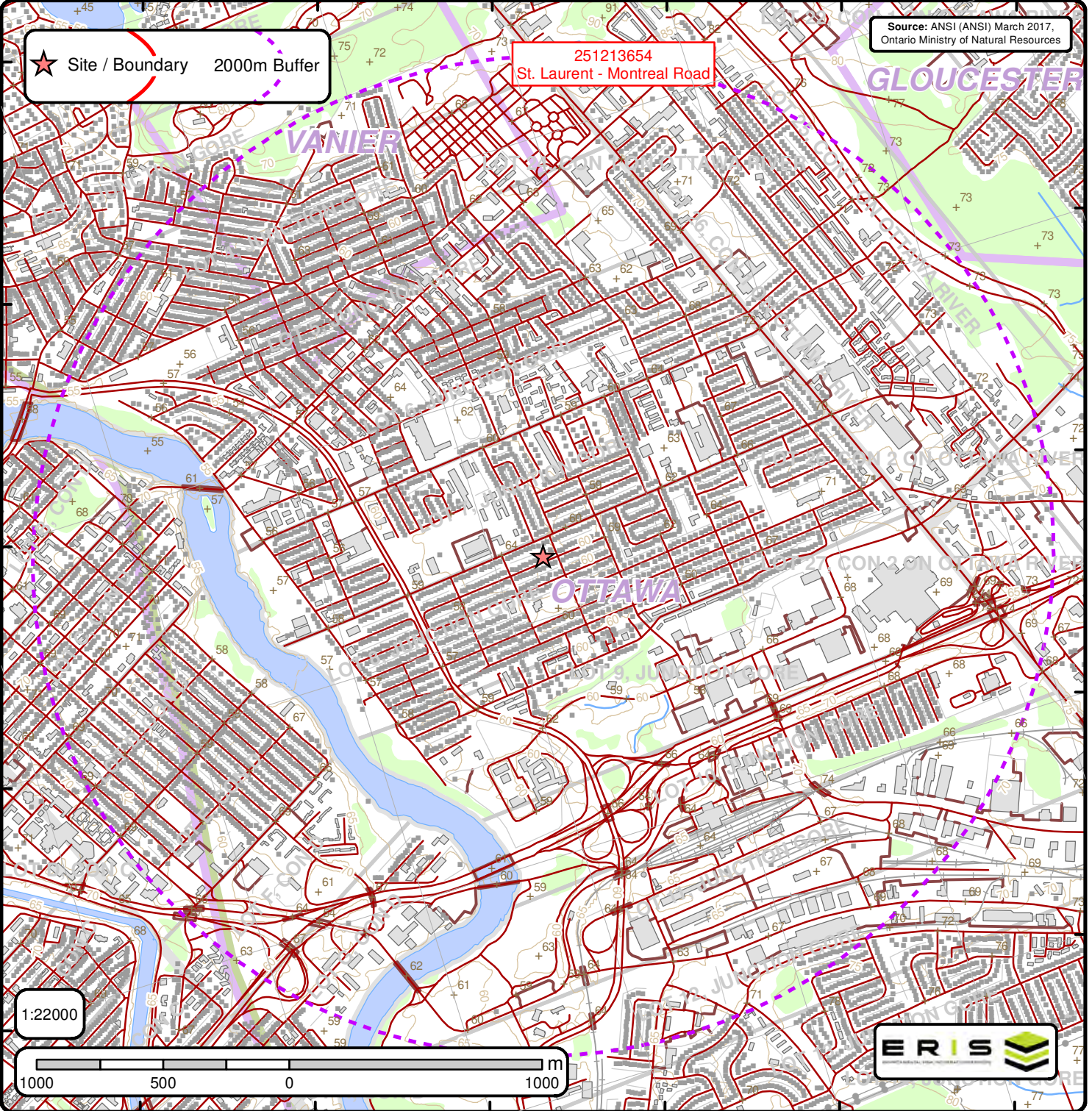
45°25'N

45°24'30"N

Source: ANSI (ANSI) March 2017, Ontario Ministry of Natural Resources

★ Site / Boundary 2000m Buffer

251213654
St. Laurent - Montreal Road



Area of Natural & Scientific Interest (ANSI) Order No. 20180807021

+	Spot Height	—	Transportation Structure	—	Contour Line	■	Wooded Area
■	Building Point	—	Utility Line	■	Pit or Quarry	■	Conservation Authority
⚡	Towers	—	Water Structure	■	Waterbody	■	Conservation Area
●	Utility Site Point	—	Drainage Line Feature	■	Wetlands	■	Municipal Park
—	Misc. Line	—	River or Stream	■	Concession	■	Provincial Park
—	Railroads	■	Airports	■	Lots	■	National Park
—	Roads	■	Tanks	■	Municipality	■	Nature Reserve
- - -	Trail	■	Building to Scale	■	Land Ownership	■	ANSI Area



ANSI Report

ANSI Units Found within 2000 m of
261 and 265 Columbus Avenue, Ottawa, ON, K1K 1P5



ANSI Name: St. Laurent - Montreal Road

ID: 251213654 | **Type:** ANSI, Earth Science | **Significance:** Provincial | **Management Plan:** No | **Area (sqm):**1111.845 | **Comments:**



Bedrock Geology Report

Bedrock Geology units found within 2000 m of
261 and 265 Columbus Avenue, Ottawa, ON, K1K 1P5



ID: 13333 | **Unit Name:** |

Type (All): 54a | **Type (Primary):** 54a | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Limestone, dolostone, shale, arkose, sandstone | **Strata (Primary):** Ottawa Group; Simcoe Group; Shadow Lake Formation | **Super Eon (Primary):** | **Eon (Primary):** PHANEROZOIC (Present to 542.0 Ma) | **Era (Primary):** PALEOZOIC (251.0 Ma to 542.0 Ma) | **Period (Primary):** ORDOVICIAN (443.7 Ma to 488.3 Ma) | **Epoch (Primary):** MIDDLE ORDOVICIAN (now considered UPPER DEVONIAN) | **Province (Primary):**

ID: 13323 | **Unit Name:** |

Type (All): 55b | **Type (Primary):** 55b | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Shale, limestone, dolostone, siltstone | **Strata (Primary):** Georgian Bay Formation; Blue Mountain Formation; Billings Formation; Collingwood Member; Eastview Member | **Super Eon (Primary):** | **Eon (Primary):** PHANEROZOIC (Present to 542.0 Ma) | **Era (Primary):** PALEOZOIC (251.0 Ma to 542.0 Ma) | **Period (Primary):** ORDOVICIAN (443.7 Ma to 488.3 Ma) | **Epoch (Primary):** UPPER ORDOVICIAN | **Province (Primary):**



ID - Unit ID **Unit Name** - Generalized geological unit classification

Type (All) - The geological unit number(s) or code(s) for all rock types present in an individual polygon.

Type (Primary) - The primary geological unit number or code for the primary rock type in an individual polygon

Type (Secondary) - The secondary geological unit number or code for the secondary rock type, if present, in an individual polygon

Type (Tertiary) - The tertiary geological unit number or code for the tertiary rock type, if present, in an individual polygon

Rock Type (Primary) - Rock type or sub-unit description

Status (Primary) - The Stratigraphic unit. Divided into:

- Supergroup (two or more groups and lone formations)
- Group (two or more formations)
- Formation (primary unit of lithostratigraphy)
- Member (named lithologic subdivision of a formation)
- Bed (named distinctive layer in a member or formation)

Super Eon (Primary) - A name given to the largest defined unit of geological time, divided into Eons. Unique values which this field may contain (Domains) are:

PRECAMBRIAN (0.542 Ga to <3.85 Ga)

Eon (Primary) - A name given to a defined unit of geological time, divided into Eras. Unique values which this field may contain (Domains) are:

- ARCHEAN (2.5 Ga to <3.85 Ga)
- PROTEROZOIC (0.542 Ga to 2.50 Ga)
- PHANEROZOIC (Present to 542.0 Ma)

Era (Primary) - A name given to a defined unit of geological time, divided into Periods. Each era on the scale is separated from the next by a major event or change. Unique values which this field may contain (Domains) are:

- | | |
|---|--|
| MESOARCHEAN (2.8 Ga to 3.2 Ga) | MESOPROTEROZOIC (1.0 Ga to 1.6 Ga) |
| NEO-TO MESOARCHEAN (2.5 Ga to 3.2 Ga) | EARLY PALEOZOIC TO NEOPROTEROZOIC (443.7 Ma to 1.0 Ga) |
| NEOARCHEAN (2.5 Ga to 2.8 Ga) | NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga) |
| PALEOPROTEROZOIC (1.6 Ga to 2.5 Ga) | PALEOZOIC (251.0 Ma to 542.0 Ma) |
| MESO-TO PALEOPROTEROZOIC (1.0 Ga to 2.5 Ga) | MESOZOIC (65.5 Ma to 251.0 Ma) |

Period (Primary) - A name given to a defined unit of geological time, divided into Epochs. Unique values which this field may contain (Domains) are:

- CAMBRIAN (488.3 Ma to 542.0 Ma)
- ORDOVICIAN (443.7 Ma to 488.3 Ma)
- SILURIAN (416.0 Ma to 443.7 Ma)
- DEVONIAN (359.2 Ma to 416.0 Ma)
- MISSISSIPPIAN TO DEVONIAN (318.1 Ma to 416.0 Ma)
- JURASSIC (145.5 Ma to 199.6 Ma)
- CRETACEOUS AND JURASSIC (65.5 Ma to 199.6 Ma)

Epoch (Primary) - A name given to a defined unit of geological time. Unique values which this field may contain (Domains) are:

- | | |
|----------------------------------|--------------------------------------|
| LOWER ORDOVICIAN | UPPER SILURIAN |
| MIDDLE ORDOVICIAN | LOWER DEVONIAN |
| UPPER ORDOVICIAN | MIDDLE DEVONIAN |
| MIDDLE AND LOWER SILURIAN | UPPER DEVONIAN |
| UPPER SILURIAN TO LOWER DEVONIAN | LOWER CRETACEOUS AND MIDDLE JURASSIC |

Province (Primary) - The Geological Province the geological unit is in. Unique values which this field may contain (Domains) are:

- SUPERIOR
- SOUTHERN
- SUPERIOR
- GRENVILLE

75°40'W

75°39'30"W

75°39'W

75°38'30"W

75°38'W

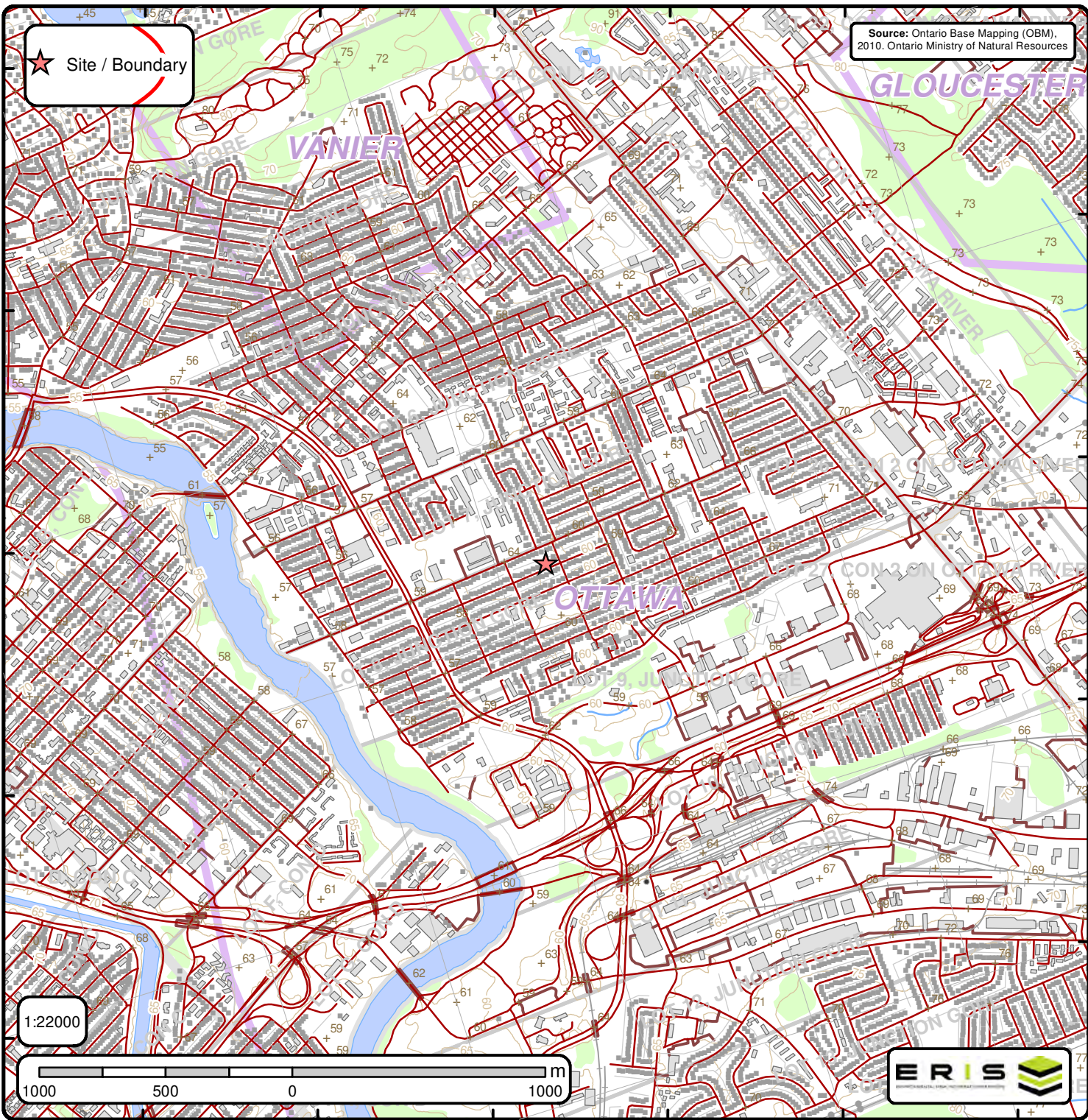
75°37'30"W

45°27'N
45°26'30"N
45°26"N
45°25'30"N
45°25'N

45°26'N
45°25'30"N
45°25'N
45°24'30"N

★ Site / Boundary

Source: Ontario Base Mapping (OBM), 2010. Ontario Ministry of Natural Resources



Ontario Base Mapping (OBM) Data

Order No. 20180807021

+	Spot Height (metre)	—	Transportation Structure	—	Contour Line	■	Wooded Area
■	Building Point	—●—	Utility Line	□	Pit or Quarry	■	Conservation Authority
⚡	Towers	—	Water Structure	■	Waterbody	■	Conservation Area
●	Utility Site Point	—	Drainage Line Feature	■	Wetlands	■	Municipal Park
—	Misc. Line	—	River or Stream	□	Concession	■	Provincial Park
—+—	Railroads	□	Airports	□	Lots	■	National Park
—	Roads	■	Tanks	□	Municipality	■	Nature Reserve
- - -	Trail	□	Building to Scale	□	Land Ownership		

75°40'W

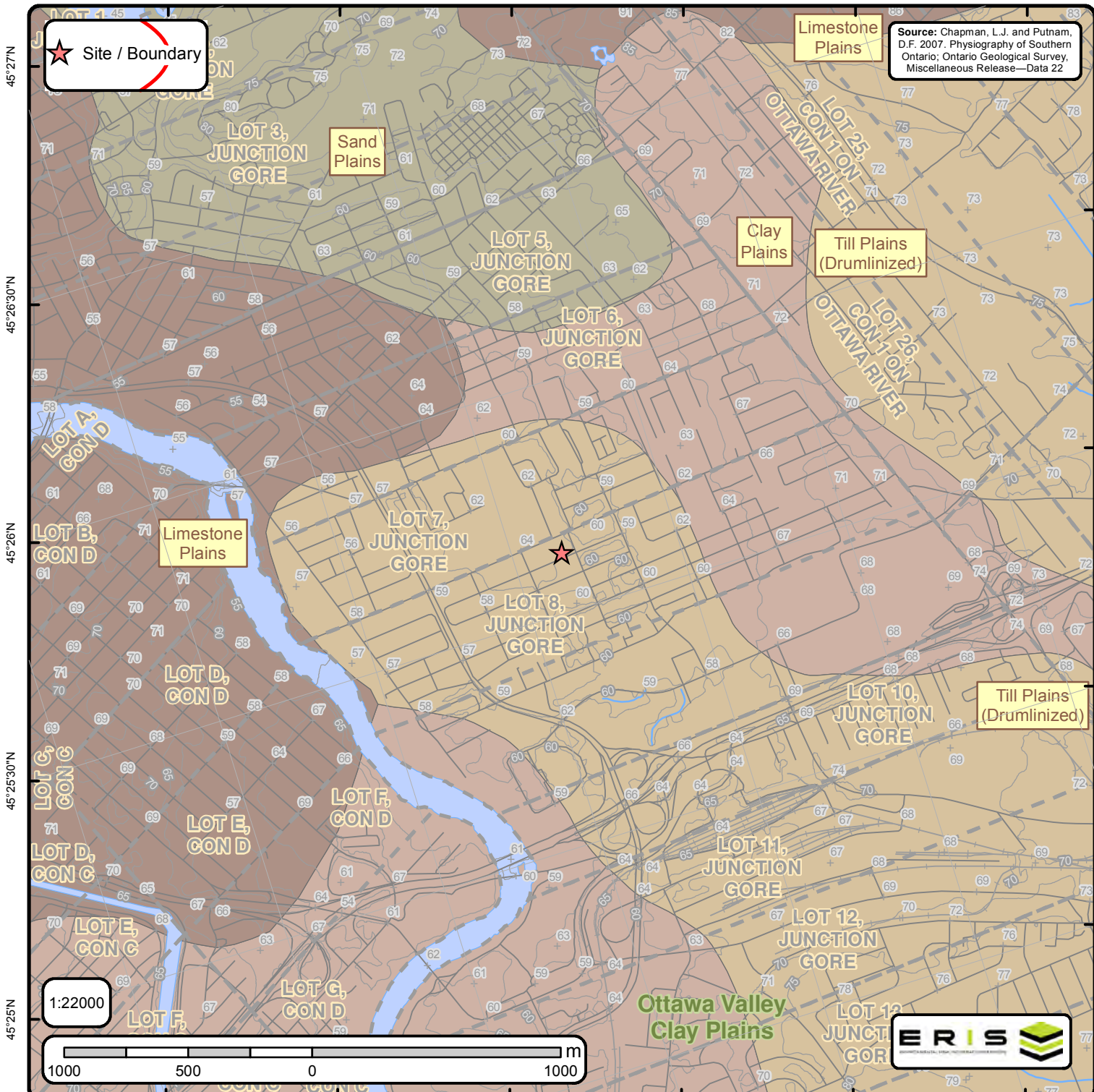
75°39'30"W

75°39'W

75°38'30"W

75°38'W

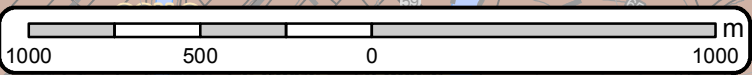
75°37'30"W



Source: Chapman, L.J. and Putnam, D.F. 2007. Physiography of Southern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 22

★ Site / Boundary

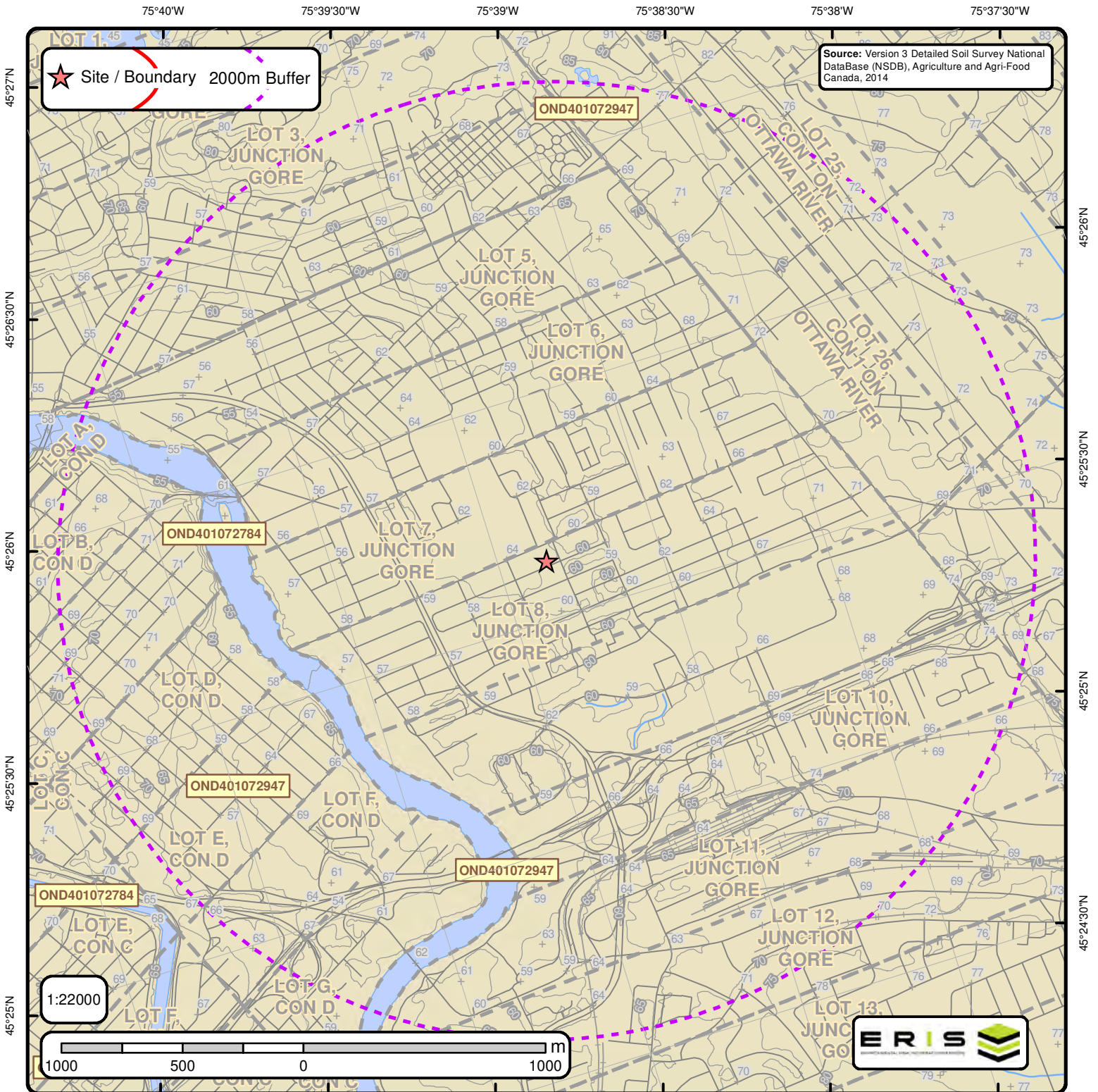
1:22000



Physiography of Southern Ontario

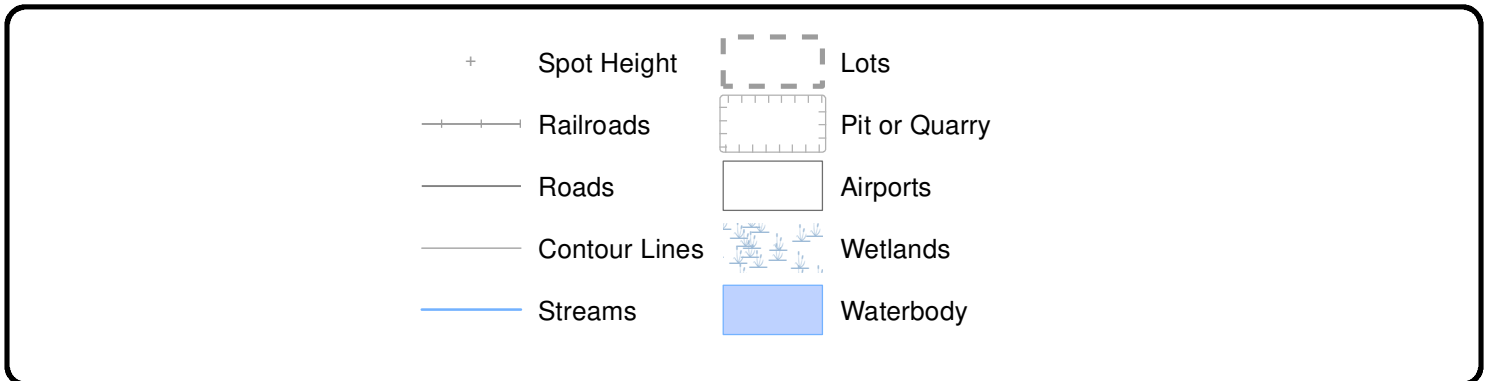
Order No. 20180807021

+ Spot Height	— Lots	◆ Boulder Pavement	■ Bare Rock Ridges And Shallow Till	■ Peat And Muck
— Roads	▭ Pit or Quarry	◆ Dissected Terrain	■ Beaches	■ Sand Plains
— Railroads	▭ Airports	▲ Mud Flow Scars	■ Bevelled Till Plains	■ Shale Plains
— Contour Lines	▭ Wetlands	▲ Sand Dunes	■ Clay Plains	■ Shallow Till And Rock Ridges
— Streams	▭ Waterbody	— escarpment	■ Drumlins	■ Spillways
		— shorecliff	■ Escarpments	■ Till Moraines
		— shorecliff (weakly developed)	■ Eskers	■ Till Plains (Drumlinized)
		■ Physiography Regions	■ Kame Moraines	■ Till Plains (Undrumlinized)
			■ Limestone Plains	



Detailed Soil Survey (ON Soils)

Order No. 20180807021





Soils Report

Soil Map Units Found within 2000 m of
261 and 265 Columbus Avenue, Ottawa, ON, K1K 1P5

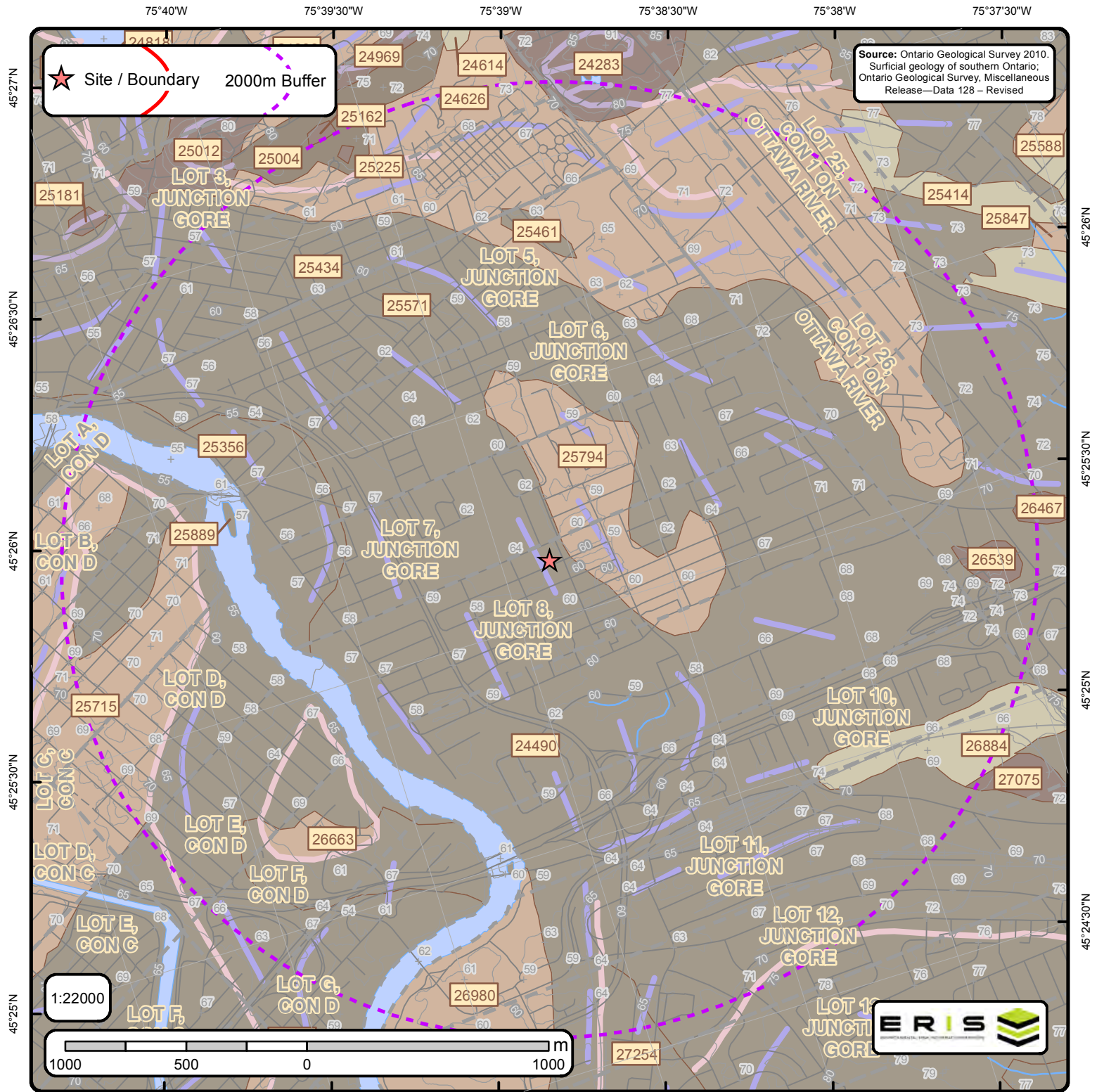


Soil ID: OND401072784

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZZZ~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-100 | **Horizon** : -- | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : None | **pH in Calc Chloride** : None | **Saturated Hydraulic Conductivity(cm/h)** : None | **Electrical Conductivity(dS/m)** : None |

Soil ID: OND401072947

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |



The Surficial Geology of Southern Ontario Order No. 20180807021





ID: 24283 | Unit Name: Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 24490 | Unit Name: Offshore marine deposits |
Deposit Type Code: 3a | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** silt, sand | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform blue-grey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were

ID: 24626 | Unit Name: Alluvial deposits |
Deposit Type Code: 6b | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** fluvial | **Primary General Modifier:** abandoned floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels.

ID: 25004 | Unit Name: Till |
Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** N-NE | **Carbon Content:** | **Formation:** Undifferentiated silty-sandy till on Paleozoic terrain | **Permeability:** Low-Medium | **Material Description:** Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc

ID: 25162 | Unit Name: Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.



ID: 25225 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 25356 | **Unit Name:** Offshore marine deposits |
Deposit Type Code: 3a | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** silt, sand | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform blue-grey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were

ID: 25434 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 25461 | **Unit Name:** Offshore marine deposits |
Deposit Type Code: 3a | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** silt, sand | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform blue-grey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were

ID: 25571 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.



ID: 25715 | **Unit Name:** Alluvial deposits |
Deposit Type Code: 6b | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** fluvial | **Primary General Modifier:** abandoned floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels.

ID: 25794 | **Unit Name:** Alluvial deposits |
Deposit Type Code: 6b | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** fluvial | **Primary General Modifier:** abandoned floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels.

ID: 25889 | **Unit Name:** Offshore marine deposits |
Deposit Type Code: 3a | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** silt, sand | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform blue-grey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were

ID: 26467 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 26539 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.



ID: 26663 | **Unit Name:** Alluvial deposits |
Deposit Type Code: 6b | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** fluvial | **Primary General Modifier:** abandoned floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels.

ID: 26884 | **Unit Name:** Organic deposits |
Deposit Type Code: 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

ID: 26980 | **Unit Name:** Alluvial deposits |
Deposit Type Code: 6a | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt, sand | **Primary Material Modifier:** organic-bearing | **Secondary Material:** | **Primary General:** fluvial | **Primary General Modifier:** modern floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Silty sand, silt, sand and clay; deposits of present floodplains and of alluvial fans in areas of low relief.

ID: 27075 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 27254 | **Unit Name:** Offshore marine deposits |
Deposit Type Code: 3a | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** silt, sand | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform blue-grey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were



Surface Geology Report

Surface Geology units found within 2000 m of
261 and 265 Columbus Avenue, Ottawa, ON, K1K 1P5



No Surface Geology units found within search area.



ID - ID applied to the Unit

Unit Name - Name of deposit

Deposit Type Code - The geological unit number taken from the original map legend.

Deposit Age - to show the age when the sediments were deposited, e.g., Wisconsinan, postglacial or recent.

Map Number - Original map series number, eg., 'M2402' or 'P1973'. Each sgu_point feature is tagged to its original map.

Map Name - Usually NTS area where mapping was completed, e.g., 'Golden Lake'

Source Map Scale - The scale at which the original map was captured, e.g., '1:50 000'

Primary Material - This attribute provides the user with information regarding the most prevalent material present within a given area.

Primary Material Modifier - This attribute provides the user with a more refined description of the lithological classification of the primary material.

Secondary Material - This attribute provides the user with information regarding subordinate materials present within a given area.

Primary General - This attribute provides the user with an interpretation of the depositional environment within which the primary material was deposited.

Primary General Modifier - This attribute provides the user with a refined interpretation of the primary genetic modifier.

Veneer - This attribute provides the user with information regarding the type of material that forms a thin, discontinuous veneer over the primary material.

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Phase - A diachronic stratigraphic unit in a lower order than Subepisode, and the proposed sequence-stratigraphic classification is listed in the following table in the eastern and northern Great Lakes area (Karrow et al. 2000)

Stratus Modifier - This attribute provides the user information regarding the stratigraphic position of the mapped unit (i.e., whether the unit occurs primarily on the surface or in the subsurface).

Provenance - This attribute provides the user with information regarding the provenance of a particular till unit (i.e. direction or lobe from which the till is derived).

Carbon Content - This attribute provides the user with information regarding the carbonate content of till.

Formation - This attribute provides the user with information regarding the formation to which a given primary material belongs (e.g., Tavistock Till, Port Stanley Till, Scarborough Formation). This attribute is seamless and allows the user to create a map based on formation.

Permeability - This attribute provides the user with basic information about permeability of the sediments in a ranking of high, medium and low.

Material Description - Material or sediment description, e.g., 'sand and silty fine sand', 'silty sand and gravel' and 'silty till with low stone content'.