



Phase One Environmental Site Assessment

Heron Gate 1 and 2
Ottawa, Ontario

Prepared for:

**Timbercreek Asset
Management Inc.**

25 Price Street
Toronto, ON M4W 1Z1

Attn: Mr. Blair Carpenter

April 12, 2019

Pinchin File: 238442



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Timbercreek Asset Management Inc.

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Figure 1	Key Map
Figure 2	Phase One Study Area
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2.0 EXECUTIVE SUMMARY

Pinchin Ltd. (Pinchin) was retained by Timbercreek Asset Management Inc. (Client) to complete a Phase One Environmental Site Assessment (Phase One ESA) of Heron Gate 1 and 2, which consist of the municipal addresses of 2805, 2825, 2831-2839, 2845, 2865 and 2875 Cedarwood Drive and 2848-2864, 2870 and 2878-2886 Baycrest Drive, in Ottawa, Ontario (hereafter referred to as the Site or Phase One Property). The Phase One Property is presently developed with three, two-storey residential townhouse buildings and a four-storey multi-tenant residential building located at 'Heron Gate 1' (west portion of the Phase One Property), as well as six, two-storey residential townhouse buildings and a four-storey multi-tenant residential building located at 'Heron Gate 2' (east portion of the Phase One Property). The above-noted multi-tenant residential buildings are hereafter referred to as the 'Site Buildings'.

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.

The scope of work for this Phase One ESA was consistent with O. Reg. 153/04 in support of filing a Site Plan Approval application with the City of Ottawa, 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 historical environmental assessments relevant to the Phase One Property. 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) archival 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 Carleton Condominium Plan 325 and 326 (PIN's 153250000 and 153260000), situated at the municipal addresses of 2805, 2825, 2831-2839, 2845, 2865 and 2875 Cedarwood Drive and 2848-2864, 2870 and 2878-2886 Baycrest Drive, Ottawa, Ontario, which is currently owned by the Client. The Phase One Property is located approximately 100 metres (m) north of Walkley Road and is bound by Cedarwood Drive to the west and Baycrest Drive to the east. The following table provides 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, City Directories, etc.
Prior to 1982	Assumed Crown	Assumed vacant and/or agricultural	Agricultural or vacant (unused)	The Site Representative indicated that the Site Buildings were constructed in approximately 1982 on previously undeveloped land. In addition, the 1933, 1950, 1965 and 1976 aerial photographs depicted the Phase One Property as vacant undeveloped land, and the Phase One Property appeared to consist of disturbed land (in preparation for development) in the 1982 aerial photograph reviewed by Pinchin.



Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, City Directories, etc.
1982-present	Unknown, and the Client	Various multi-tenant residential buildings	Residential	The Site Buildings were evident in their current size and configuration in the 1999-2015 aerial photographs and the Site Representative indicated that since development, the Phase One Property has been occupied solely for residential purposes. In addition, the city directories indicated various residential listings at the Site addresses from 1982 until 2011, and no other information was gathered by Pinchin that would indicate other former occupants of the Site (i.e., commercial, industrial, etc.).

To the best of Pinchin's knowledge, the Phase One Property was undeveloped until the construction of the Site Buildings in approximately 1982. 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 1982, with the construction of the Site Buildings 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 Phase One Property. One on-Site PCA (i.e., hydro vaults and pad-mounted oil-cooled transformers) and one off-Site PCA (i.e., various off-Site pad and pole-mounted oil-cooled transformers) 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. In addition, it should be noted that any maintenance and/or concerns associated with the high-voltage transformers would be the responsibility of Hydro Ottawa. 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.

3.0 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.

3.1 Phase One Property Information

The Phase One Property consists of Carleton Condominium Plan 325 and 326 (PIN's 153250000 and 153260000), situated at the municipal addresses of 2805, 2825, 2831-2839, 2845, 2865 and 2875 Cedarwood Drive and 2848-2864, 2870 and 2878-2886 Baycrest Drive, Ottawa, Ontario, which is currently owned by the Client. The Phase One Property is located approximately 100 metres (m) north of Walkley Road and is bound by Cedarwood Drive to the west and Baycrest Drive to the east, 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 select 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	Carleton Condominium Plan 325 and 326 (PIN's 153250000 and 153260000), Ottawa
Municipal Addresses	http://maps.ottawa.ca/geoottawa/ City of Ottawa, Client	2805, 2825, 2831-2839, 2845, 2865 and 2875 Cedarwood Drive and 2848-2864, 2870 and 2878-2886 Baycrest Drive Ottawa, ON K1V 0G6
Parcel Identification Numbers (PINs)	http://maps.ottawa.ca/geoottawa/ City of Ottawa, Legal Survey Drawing provided by the Client	153250000 and 153260000
Current Owner	Client, Site Representative	Timbercreek Asset Management Inc.
Current Occupants	Site Representative	Various residential tenants
Client	Authorization to Proceed, Limitation of Liability & Terms of Engagement Form for Pinchin Proposal	Timbercreek Asset Management Inc.
Client Contact Information	Authorization to Proceed, Limitation of Liability & Terms of Engagement Form for Pinchin Proposal	Mr. Blair Carpenter c/o Timbercreek Asset Management Inc. 25 Price Street Toronto, ON M4W 1Z1 Phone: 416-923-9967 bcarpenter@timbercreek.com



Detail	Source / Reference	Information
Site Area	http://maps.ottawa.ca/geottawa/ City of Ottawa	2.83 hectares (7.00 acres)
Current Zoning	http://maps.ottawa.ca/geottawa/ City of Ottawa	R5B – Residential Fifth Density (B)

4.0 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), Property Underwriters' Reports (PURs), Property Underwriters' Plans (PUPs), historical environmental assessments relevant to the Phase One Property, 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);
- 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.



5.0 RECORDS REVIEW

5.1 General

A Phase One ESA does not include sampling or testing of environmental media or building materials. The study period for this assessment was from March 2019 to April 2019, which included the records review, Site reconnaissance, interviews and reporting. A Site reconnaissance was completed on March 27, 2019, 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 roofs of the Site Buildings. It should be noted that only a representative sample of tenant spaces were accessed at the time of Pinchin's Site reconnaissance in order to minimize tenant disturbance. 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.

5.1.1 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 2.

5.1.2 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 and city directories, as well as information provided by the Site Representative, the Phase One Property is inferred to have consisted of vacant undeveloped/agricultural land prior to its development with the Site Buildings in approximately 1982. The Phase One Property is inferred to have been occupied by various residential tenants since development. Therefore, it is Pinchin's opinion that the first developed use of the Phase One Property was in 1982.

The date of the first developed use of the Phase One Property was determined through a review of city directories, aerial photographs, previous reports and correspondence with 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.

5.1.3 Fire Insurance Plans

Pinchin previously contacted Risk Management Services (RMS, the predecessor of Opta Information Intelligence) to obtain FIPs related to the Phase One Property and the Phase One Study Area. A response was received from RMS, dated June 18, 2010, which indicated that no FIPs for the Phase One Property and Phase One Study Area were available. The RMS response is provided in Appendix D.

5.1.4 Environmental Reports

The following previous environmental reports for the Phase One Property were reviewed by Pinchin:

- Report entitled *"Phase I Environmental Site Assessment, Cedarwood Village, Heron Gate Residential Development, Ottawa, Ontario"* prepared by Trow Associates Inc. (Trow) for OTNIM Properties Limited (OTNIM), and dated February 2004;
- Report entitled *"Phase I Environmental Site Assessment, Cedarwood Village, Heron Gate Residential Development, Ottawa, Ontario"* prepared by Trow for OTNIM, and dated February 2004;
- Report entitled *"Phase I Environmental Site Assessment, Cedarwood Village, Heron Gate Residential Development, Ottawa, Ontario"* prepared by Trow for OTNIM, and dated September 2006;
- Report entitled *"Phase I Environmental Site Assessment, Cedarwood Village, Heron Gate Residential Development, Ottawa, Ontario"* prepared by Trow for OTNIM, and dated September 2006;
- Letter entitled *"Environmental Review, Heron Gate Village, Ottawa, Ontario"* prepared by PRL Environmental Services Limited (PRL) for TransGlobe Property Management Services, and dated November 10, 2006;
- Letter entitled *"Environmental Review, Heron Gate Village, Ottawa, Ontario"* prepared by PRL for TransGlobe Property Management Services, and dated November 10, 2006;
- Report entitled *"Phase I Environmental Site Assessment, Cedarwood Village, Ottawa, Ontario"* prepared by Pinchin for TransGlobe Property Management Services, and dated July 2010;



- Report entitled “*Phase I Environmental Site Assessment, Cedarwood Village, Ottawa, Ontario*” prepared by Pinchin for TransGlobe Property Management Services, and dated July 2010;
- Report entitled “*Phase I Environmental Site Assessment, Heron Gate 1, Ottawa, Ontario*” prepared by Pinchin for the Client, and dated July 2013;
- Report entitled “*Phase I Environmental Site Assessment, Heron Gate 2, Ottawa, Ontario*” prepared by Pinchin for the Client, and dated July 2013;
- Report entitled “*Phase I Environmental Site Assessment, Heron Gate 1, Ottawa, Ontario*” prepared by Pinchin for the Client, and dated September 21, 2015 (the 2015 Pinchin Phase I ESA Report I); and
- Report entitled “*Phase I Environmental Site Assessment, Heron Gate 2, Ottawa, Ontario*” prepared by Pinchin for the Client, and dated September 21, 2015 (the 2015 Pinchin Phase I ESA Report II).

A summary of the salient information identified in the reports is provided below:

The above-noted Phase I ESA Reports and Environmental Review Letters completed by Pinchin, Trow and PRL presented the findings in general accordance with the CSA document entitled “*Phase I Environmental Site Assessment*” (CSA Document Z768-01), dated November 2001, including a review of readily available historical records and reasonably ascertainable regulatory information, a Site reconnaissance, interviews, a review of previous environmental reports, an evaluation of information and reporting.

The results of all above-noted Phase I ESA Reports and Environmental Review Letters indicated that there were no significant potential environmental concerns associated with the current and historical use of the Phase One Property and adjacent properties and as such, no further environmental assessment work was recommended.

5.1.4.1 Previous Environmental Report Summary

Based on Pinchin’s review of the above-referenced previous environmental reports, nothing was identified that is likely to result in potential subsurface impacts at the Phase One Property.

5.2 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.



5.2.1 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 E and the results of the database search are described in the following subsections.

5.2.1.1 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.

5.2.1.2 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.

5.2.1.3 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.

5.2.1.4 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 Cs-of-A for the Phase One Property. Two Cs-of-A were identified for other properties within the Phase One Study Area; however, these Cs-of-A were for air emissions and sewage works, and no Cs-of-A 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 Cs-of-A at the Phase One Property and at other properties within the Phase One Study Area to represent an environmental concern to the Phase One Property.

5.2.1.5 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 database search identified no information regarding ECAs or CPUs for the Phase One Study Area. The EcoLog ERIS search of the PTTW database identified a PTTW for Heron Gate 7, located at 2816-2838 Sandalwood Drive; however, these properties are located approximately 235 m northeast of the Phase One Property. Based on the distance between these properties and the Phase One Property, Pinchin does not consider the activity related to the PTTW at this property within the Phase One Study Area to represent an environmental concern to the Phase One Property.

5.2.1.6 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.



5.2.1.7 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, with the exception of the following:
 - The TSSA Historical Incidents and TSSA Pipeline Incidents database indicated that on August 9, 2008 and August 18, 2011, natural gas discharges occurred at 2845 and 2865 Cedarwood Drive, respectively (located at Heron Gate 1); however, based on the nature of the discharges (i.e., atmospheric), it is Pinchin's opinion that these discharges are unlikely to result in potential subsurface impacts at the Phase One Property.
- No records were found of environmental incidents, orders, offences or spills for other properties within the Phase One Study Area, with the exception of the following:
 - A total of eight spill records were identified for other properties located within the Phase One Study Area; however, based on the distance between the spills and the Phase One Property, the minor nature of the spills (i.e., less than 50-L), the fact that the spills were contained/cleaned and/or the fact that no environmental impacts were anticipated as a result of the spills, the potential for the documented spills to be causes for environmental concern to the Phase One Property is considered low.

5.2.1.8 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 35 other properties located within the Phase One Study Area were listed within the database search results as waste generators. Of these waste generators, the following were identified as potential sources of impacts to the Phase One Property based on their location and distance relative to the Phase One Property (i.e., within 75 m and situated hydraulically upgradient or transgradient of the Phase One Property in relation to the inferred groundwater flow direction), and the types and quantities of hazardous wastes generated:

- 2861 Baycrest Crescent (2005) – Light fuels. Based on a review of Pinchin's in-house MECP Waste Generator database, approximately 17,376 kilograms (kg) of light fuels were generated at this property in 2005. However, this property is located approximately 15 m northeast of the Site. Based on the distance between this property and the Site, as well as Pinchin's knowledge of the area, it is Pinchin's opinion that this property is unlikely to result in potential subsurface impacts at the Phase One Property; and
- 2870 Cedarwood Drive (since 2013) – Various hazardous wastes including petroleum distillates, acid and alkaline wastes and waste compressed gases. Based on a review of Pinchin's in-house MECP Waste Generator database, approximately 320 kg of various hazardous wastes were generated at this property in 2013. However, this property is located approximately 15 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 Site, the inferred groundwater flow direction, the nature of operations at this property (i.e. residential) and the minor amounts of hazardous wastes generated, it is Pinchin's opinion that this property is unlikely to result in potential subsurface impacts at 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.

5.2.1.9 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 Property or the Phase One Study Area.

5.2.1.10 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 database found no information regarding the Phase One Study Area.

5.2.1.11 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.

5.2.1.12 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 F.

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

5.2.2 Ministry of the Environment, Conservation and Parks Freedom of Information Search

As part of the 2015 Pinchin Phase I ESA Reports I and II, the MECP Freedom of Information (FOI) 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.

Responses were received from the MECP, dated October 7, 2015. The MECP responses indicated that no records were available for the Phase One Property.

As part of this Phase One ESA, an additional MECP FOI search was completed for the Phase One Property. 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. Copies of the former MECP responses, as well as Pinchin's current request submitted to the MECP, are provided in Appendix F of this report.

5.2.3 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 archival searches for select addresses at the Phase One Property, 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.

5.2.4 Property Underwriters' Reports and Plans

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 PUPs includes the location, capacity, and contents of ASTs, USTs, chemical storage and other forms of environmental hazards.

Pinchin previously contacted RMS to obtain copies of PURs and PUPs related to the Phase One Property. RMS provided a written response, dated June 18, 2010, indicating there were no records on-file for the Phase One Property. A copy of the RMS response is provided in Appendix D.

5.2.5 City Directories

City directories for the years 1964 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
1964-1983.	Site not listed.
1984-2011.	Residential listings.

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 and commercial land uses since approximately the mid-1960s. Based on Pinchin's review of the above-noted city directories, no PCAs, including historical dry cleaning operations, retail fuel outlets or other operations of potential environmental concern, were identified in the Phase One Study Area outside of the Phase One Property.

5.3 Physical Setting Sources

5.3.1 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 1933, 1950 and 1982 were obtained from the National Air Photo Library in Ottawa, Ontario and reviewed by Pinchin. In addition, digital aerial photographs dated 1965, 1976, 1999, 2002, 2008, 2011 and 2015 were reviewed on the City of Ottawa e-map website (<http://maps.ottawa.ca/geoOttawa/>) by Pinchin. The 1933 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
1933, 1950 and 1965.	The Phase One Property appeared to consist of vacant undeveloped/agricultural land.
1976.	The Phase One Property appeared to consist of vacant undeveloped land.
1982.	The Phase One Property appeared to consist of disturbed land (likely for the construction of the Site Buildings).
1999, 2002, 2008, 2011 and 2015.	A total of 11 buildings that were similar in size and configuration to the present-day Site Buildings were evident on-Site.

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
1933, 1950 and 1965.	Vacant undeveloped land to beyond 200 m from the Phase One Property.			
1976 and 1982.	Present-day Cedarwood Drive and Baycrest Drive followed by residential developments and a community building to beyond 200 m from the Phase One Property.	Present-day Baycrest Drive followed by several multi-tenant residential developments and present-day Sandalwood Drive, similar to the current configuration.	Vacant undeveloped (disturbed) land followed by present-day Walkley Road and residential developments.	Present-day Cedarwood Drive followed by residential developments and vacant undeveloped land.



Year of Photograph	North	East	South	West
1999 and 2002.	Similar to 1976 and 1982; however, additional residential developments were evident, similar to the current configuration.	Similar to 1976 and 1982.	Similar to 1976 and 1982; however, additional residential developments were evident, similar to the current configuration.	Similar to 1976 and 1982.
2008, 2011 and 2015.	Similar to 1999 and 2002.	Similar to 1976, 1982, 1999 and 2002.	Similar to 1999 and 2002.	Similar to 1976, 1982, 1999 and 2002; however, additional residential developments were evident, 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 in approximately 1982, as disturbed land (inferred to be for development) was observed throughout the Phase One Property in the 1982 aerial photograph.

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

5.3.2 Topography, Hydrology and Geology

The elevation of the Phase One Property, based on information obtained from the Ontario Base Map series, is approximately 93 m above mean sea level (mamsl). The general topography in the local and surrounding area is generally flat. 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 southwesterly direction. No water bodies are located within the Phase One Study Area, and the nearest surface water body is the



Rideau River located approximately 2.4 km northwest of the Phase One Property at an elevation of approximately 62 mamsl. The nearest major water body is the Ottawa River, located approximately 6.5 km northwest of the Phase One Property at an elevation of approximately 48 mamsl.

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

5.3.3 Fill Materials

No evidence of fill material, disturbed soil or buried debris was observed at the Phase One Property during the Site reconnaissance. However, regrading and minor fill placement at the Phase One Property may have previously occurred during initial development activities to prepare the locations of the Site Buildings, 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.

5.3.4 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.

A review of the Area of Natural & Scientific Interest map prepared by EcoLog ERIS (see Appendix F) did not identify any parks, wetlands, conservation areas, or other areas of natural significance, within the Phase One Study Area.

5.3.5 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 three 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
7276471 (WWIS-1)	Approximately 105 m southeast of the Phase One Property	Grey clay with soft silt (0-4.66 m below ground surface (mbgs))	Not encountered (> 4.66 mbgs)	Not indicated
1508275 (WWIS-2)	Approximately 180 m north of the Phase One Property	Clay (0-5.00 mbgs) Shale limestone (5.00-29.00 mbgs)	~5.00 mbgs	~22.66 mbgs



MECP Well ID (EcoLog ERIS ID)	Location	Stratigraphy	Approximate Depth to Bedrock	Approximate Depth to Water Table
1508970 (WWIS-3)	Approximately 235 m east of the Phase One Property	Blue clay (0-6.66 mbgs) Black slate (6.66-38.66 mbgs)	~6.66 mbgs	~26.66 mbgs

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.

5.4 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 (refer to Section 6.3). As such, Site operating records were not reviewed as part of the Phase One ESA.

6.0 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
Ms. Milana Janjatovic	Community Manager at the Phase One Property	March 27, 2019 (Phase One Property)	In-person interview during Site reconnaissance.

Ms. Janjatovic was chosen to be interviewed given that she has managed the Phase One Property for approximately 1.5 years and is familiar with the recent operational history of the Phase One Property. Ms. Janjatovic 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 interviewee was corroborated by the available historical records. As such, Pinchin has no concerns regarding the validity of the information provided by the individual interviewed for the Phase One ESA.

With respect to PCAs and APECs, no additional information was obtained from the interviews other than that documented elsewhere in this report.

7.0 SITE RECONNAISSANCE

7.1 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 March 27, 2019, 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 11:30 AM. During the Site reconnaissance, the weather was clear and sunny, and the ambient temperature was approximately -8° Celsius. The Phase One Property reconnaissance was conducted on foot and consisted of a full walk-through of the Phase One Property. In addition, it should be noted that the ground surface was snow-covered during Pinchin's Site reconnaissance, limiting exterior observations. 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. In addition, it should be noted that only a representative portion of the residential tenant spaces were accessed during Pinchin's Site reconnaissance in order to minimize tenant disturbance. At the time of the Site reconnaissance, the Phase One Property was occupied by various residential tenants.

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



7.2 Specific Observations at Phase One Property

7.2.1 Description of Buildings and Structures

During the Site reconnaissance, Pinchin observed a total of 11 buildings/structures on the Phase One Property. The buildings consisted of two, four-storey multi-tenant residential buildings and nine, two-storey residential townhouse buildings (Site Buildings), all of which were constructed in approximately 1982 on previously undeveloped land.

The portions of the Phase One Property outside of the Site Buildings comprised primarily of vacant undeveloped land and paved parking areas, access routes and walkways.

7.2.2 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 the partial basement levels located beneath 2805 and 2865 Cedarwood Drive (i.e., the four-storey multi-tenant residential buildings), as well as the single-level basements beneath the remaining Site Buildings. The basement levels consist of poured concrete structure, and some utilities enter the Site Buildings (i.e., telephone, sanitary sewer, water and electricity).

Concrete catch basins were observed in the parking lots throughout the Phase One Property and are expected to connect to the municipal storm sewer system.

7.2.3 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.

7.2.4 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.

7.2.5 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 the adjacent roadways into the basement levels of the Site Buildings. Stormwater that doesn't naturally percolate through the soil is captured via catch basins in the parking lots located throughout the Site and directed via underground piping to the municipal storm sewer system.



7.2.6 Details of Heating System

During the Site reconnaissance, Pinchin observed natural gas-fired forced air furnace units within the two-storey residential townhouse buildings, and electric baseboards and an electrically-powered Make Up Air unit within the four-storey multi-tenant residential buildings.

7.2.7 Details of Cooling System

During the Site reconnaissance, Pinchin observed window-mounted air conditioning units in select residential units throughout the Site Buildings.

7.2.8 Details of Drains, Pits and Sumps

Storm water sumps were observed in the fire sprinkler rooms within 2805 and 2865 Cedarwood Drive (i.e., the two, four-storey multi-tenant residential buildings), which capture storm water from a weeping tile system located around these Site Building foundations. The sumps could not be assessed during Pinchin's Site reconnaissance, as access was not provided to the fire sprinkler rooms. With the exception of these reported sumps, Pinchin did not observe any drains, pits or sumps during the Site reconnaissance.

7.2.9 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 in various locations throughout the Site Buildings. No bulk liquid storage was observed on-Site.

7.2.10 Details of Staining and Corrosion

During the Site reconnaissance, Pinchin did not observe any areas of staining or corrosion inside the Site Building.

7.2.11 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.



7.2.12 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 main sanitary sewer pipes that exit the Site Buildings and connect to the municipal sewer system under the adjacent roadways.

7.2.13 Details of Ground Cover

During the Site reconnaissance, Pinchin visually inspected the Phase One Property ground cover. It should be noted that the ground surface was snow-covered during Pinchin's Site reconnaissance, limiting exterior observations. However, any areas of the Phase One Property not covered by a structure are inferred to consist of undeveloped grassed areas, and asphalt-paved parking areas, access routes and walkways.

7.2.14 Details of Current or Former Railways

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

7.2.15 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. It should be noted that the ground surface was snow-covered during Pinchin's Site reconnaissance, limiting exterior observations.

7.2.16 Areas of Stressed Vegetation

During the Site reconnaissance, Pinchin did not observe any areas of stressed vegetation on the Phase One Property. It should be noted that the ground surface was snow-covered during Pinchin's Site reconnaissance, limiting exterior observations.

7.2.17 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 Building 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.

7.2.18 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 PCAs were observed on the Phase One Property during the Site reconnaissance:

- Item 55 – Transformer Manufacturing, Processing or Use (hydro vaults located within the four-storey multi-tenant residential buildings (i.e., 2805 and 2865 Cedarwood Drive) and additional pad-mounted oil-cooled transformers located throughout the Site exterior). Although the ground surface was snow/ice-covered during Pinchin’s Site reconnaissance, limiting exterior observations, no spills or evidence of historical spills (i.e., staining) was observed in the vicinity of the pad-mounted oil-cooled transformers. In addition, it should also be noted that a representative for Hydro Ottawa, owner of the hydro vaults, was not present at the time of the Site reconnaissance and, as such, no access to the hydro vaults was available. However, it should be noted that any maintenance and/or concerns associated with the high-voltage transformers would be the responsibility of Hydro Ottawa.

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.

7.2.19 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.

7.3 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.



7.4 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.

7.4.1 Phase One Property

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

- Review of available historical records, including previous environmental reports, EcoLog ERIS regulatory search, information obtained through previous MECP FOI requests, city directories, aerial photographs and well records;
- A Site reconnaissance completed on March 27, 2019, 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 individuals 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 55 – Transformer Manufacturing, Processing or Use (hydro vaults located within the four-storey multi-tenant residential buildings (i.e., 2805 and 2865 Cedarwood Drive) and additional pad-mounted oil-cooled transformers located throughout the Site exterior). Although the ground surface was snow/ice-covered during Pinchin's Site reconnaissance, limiting exterior observations, no spills or evidence of historical spills (i.e., staining) was observed in the vicinity of the pad-mounted oil-cooled transformers. In addition, it should also be noted that a representative for Hydro Ottawa, owner of the hydro vaults, was not present at the time of the Site reconnaissance and, as such, no access to the hydro vaults was available. However, it should be noted that any maintenance and/or concerns associated with the high-voltage transformers would be the responsibility of Hydro Ottawa.

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



7.4.2 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 (but not limited to) previous environmental reports, 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:

- Item 55 – Transformer Manufacturing, Processing or Use (various off-Site pole and pad-mounted transformers within the Phase One Study Area). The off-Site transformers are not considered to represent an environmental concern for the Phase One Property due to the distance from the Phase One Property, the observations made during Pinchin's Site reconnaissance and/or the hydraulic downgradient/transgradient location of these transformers relative to the Phase One Property. In addition, it should be noted that any maintenance and/or concerns associated with the high-voltage transformers would be the responsibility of Hydro Ottawa.

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 select PCAs for which this Phase One ESA applies to is provided as Figure 3.



8.0 REVIEW AND EVALUATION OF INFORMATION

8.1 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, City Directories, etc.
Prior to 1982	Assumed Crown	Assumed vacant and/or agricultural	Agricultural or vacant (unused)	The Site Representative indicated that the Site Buildings were constructed in approximately 1982 on previously undeveloped land. In addition, the 1933, 1950, 1965 and 1976 aerial photographs depicted the Phase One Property as vacant undeveloped land, and the Phase One Property appeared to consist of disturbed land (in preparation for development) in the 1982 aerial photograph reviewed by Pinchin.



Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, City Directories, etc.
1982-present	Unknown, and the Client	Various multi-tenant residential buildings	Residential	The Site Buildings were evident in their current size and configuration in the 1999-2015 aerial photographs and the Site Representative indicated that since development, the Phase One Property has been occupied solely for residential purposes. In addition, the city directories indicated various residential listings at the Site addresses from 1982 until 2011, and no other information was gathered by Pinchin that would indicate other former occupants of the Site (i.e., commercial, industrial, etc.).

To the best of Pinchin's knowledge, the Phase One Property was undeveloped until the construction of the Site Buildings in approximately 1982. 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 1982, with the construction of the Site Buildings 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.

8.2 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 55 – Transformer Manufacturing, Processing or Use (hydro vaults located within the four-storey multi-tenant residential buildings (i.e., 2805 and 2865 Cedarwood Drive) and additional pad-mounted oil-cooled transformers located throughout the Site exterior). Although the ground surface was snow/ice-covered during Pinchin's Site reconnaissance, limiting exterior observations, no spills or evidence of historical spills (i.e., staining) was observed in the vicinity of the pad-mounted oil-cooled transformers. In addition, it should also be noted that a representative for Hydro Ottawa, owner of the hydro vaults, was not present at the time of the Site reconnaissance and, as such, no access to the hydro vaults was available. However, it should be noted that any maintenance and/or concerns associated with the high-voltage transformers would be the responsibility of Hydro Ottawa.

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, that may have resulted in environmental impacts at the Phase One Property:

- Item 55 – Transformer Manufacturing, Processing or Use (various off-Site pole and pad-mounted transformers within the Phase One Study Area). The off-Site transformers are not considered to represent an environmental concern for the Phase One Property due to the distance from the Phase One Property, the observations made during Pinchin's Site reconnaissance and/or the hydraulic downgradient/transgradient location of these transformers relative to the Phase One Property. In addition, it should be noted that any maintenance and/or concerns associated with the high-voltage transformers would be the responsibility of Hydro Ottawa.

8.3 Areas of Potential Environmental Concern

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

8.4 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 an irregular-shaped parcel of land approximately 7.00 acres (2.83 hectares) in size, located approximately 100 m north of Walkley Road and is bound by Cedarwood Drive to the west and Baycrest Drive to the east, in the City of Ottawa. The Phase One Property is improved with three, two-storey residential townhouse buildings and a four-storey multi-tenant residential building located at 'Heron Gate 1' (west portion of the Phase One Property), as well as six, two-storey residential townhouse buildings and a four-storey multi-tenant residential building located at 'Heron Gate 2' (east portion of the Phase One Property). The Phase One Property has been used for residential purposes since initial development in 1982. 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 were identified within the Phase One Study Area. The nearest water body is the Rideau River, which is located approximately 2.4 km northwest of the Phase One Property;
- 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 and commercial land uses. The properties located north of the Phase One Property consist of Cedarwood Drive and Baycrest Drive followed by residential developments and associated roadways to beyond 200 m from the Phase One Property. The properties located east of the Phase One Property consist of Baycrest Drive followed by residential developments and associated roadways to beyond 200 m from the Phase One Property. The properties located south of the Phase One Property consist of residential developments followed by Walkley Road and additional residential developments to beyond 200 m from the Phase

One Property. The properties located west of the Phase One Property consist of Cedarwood Drive followed by residential developments 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 55 – Transformer Manufacturing, Processing or Use (hydro vaults located within the four-storey multi-tenant residential buildings (i.e., 2805 and 2865 Cedarwood Drive) and additional pad-mounted oil-cooled transformers located throughout the Site exterior). Although the ground surface was snow/ice-covered during Pinchin's Site reconnaissance, limiting exterior observations, no spills or evidence of historical spills (i.e., staining) was observed in the vicinity of the pad-mounted oil-cooled transformers. In addition, it should also be noted that a representative for Hydro Ottawa, owner of the hydro vaults, was not present at the time of the Site reconnaissance and, as such, no access to the hydro vaults was available. However, it should be noted that any maintenance and/or concerns associated with the high-voltage transformers would be the responsibility of Hydro Ottawa; and
 - Item 55 – Transformer Manufacturing, Processing or Use (various off-Site pole and pad-mounted transformers within the Phase One Study Area). The off-Site transformers are not considered to represent an environmental concern for the Phase One Property due to the distance from the Phase One Property, the observations made during Pinchin's Site reconnaissance and/or the hydraulic downgradient/transgradient location of these transformers relative to the Phase One Property. In addition, it should be noted that any maintenance and/or concerns associated with the high-voltage transformers would be the responsibility of Hydro Ottawa.
- Underground utilities at the Phase One Property provide potable water, natural gas, electrical, telephone, cable and sewer services to the Site Buildings. These services enter the Site Buildings through subsurface conduits, with the exception of a pressurized natural gas lines, which connect to meters located along the exterior walls of the Site Buildings. Storm sewer catch basins located in the parking lots throughout the Phase One Property connect to the municipal storm sewer lines. Plans were not available to confirm the depths of these utilities, but they are estimated to be located approximately 2.00-3.00 mbgs;



- 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. Local groundwater flow is inferred to be to the southwest based on the results of previous subsurface investigative work completed by Pinchin in the area of the Phase One Property.

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.

9.0 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 in support of filing a Site Plan Approval application with the City of Ottawa.

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 (i.e., hydro vaults and pad-mounted oil-cooled transformers) and one off-Site PCA (i.e., various off-Site pad and pole-mounted oil-cooled transformers) 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. In addition, it should be noted that any maintenance and/or concerns associated with the high-voltage transformers would be the responsibility of Hydro Ottawa. 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.



9.1 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 March 27, 2019, 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.

9.2 Terms and Limitations

This Phase One ESA was performed in order to identify potential issues of environmental concern associated with the property located at 2805, 2825, 2831-2839, 2845, 2865 and 2875 Cedarwood Drive and 2848-2864, 2870 and 2878-2886 Baycrest Drive, 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 Timbercreek Asset Management 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.

10.0 REFERENCES

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

- Ms. Milana Janjatovic, Community Manager at the Phase One Property (Site Representative).
- EcoLog ERIS report entitled "Parts of Heron Gate 1 and 2, Ottawa, Ontario", and dated March 29, 2019 (ERIS Project # 20190325195).
- Risk Management Services.
- 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.
- “Phase I Environmental Site Assessment, Cedarwood Village, Heron Gate Residential Development, Ottawa, Ontario” prepared by Trow Associates Inc. for OTNIM Properties Limited, and dated February 2004.
- “Phase I Environmental Site Assessment, Cedarwood Village, Heron Gate Residential Development, Ottawa, Ontario” prepared by Trow Associates Inc. for OTNIM Properties Limited, and dated February 2004.
- “Phase I Environmental Site Assessment, Cedarwood Village, Heron Gate Residential Development, Ottawa, Ontario” prepared by Trow Associates Inc. for OTNIM Properties Limited, and dated September 2006.
- “Phase I Environmental Site Assessment, Cedarwood Village, Heron Gate Residential Development, Ottawa, Ontario” prepared by Trow Associates Inc. for OTNIM Properties Limited, and dated September 2006.
- “Environmental Review, Heron Gate Village, Ottawa, Ontario” prepared by PRL Environmental Services Limited for TransGlobe Property Management Services, and dated November 10, 2006.
- “Environmental Review, Heron Gate Village, Ottawa, Ontario” prepared by PRL Environmental Services Limited for TransGlobe Property Management Services, and dated November 10, 2006.
- “Phase I Environmental Site Assessment, Cedarwood Village, Ottawa, Ontario” prepared by Pinchin Environmental Ltd. for TransGlobe Property Management Services, and dated July 2010.



Phase One Environmental Site Assessment

Heron Gate 1 and 2, Ottawa, Ontario
Timbercreek Asset Management Inc.

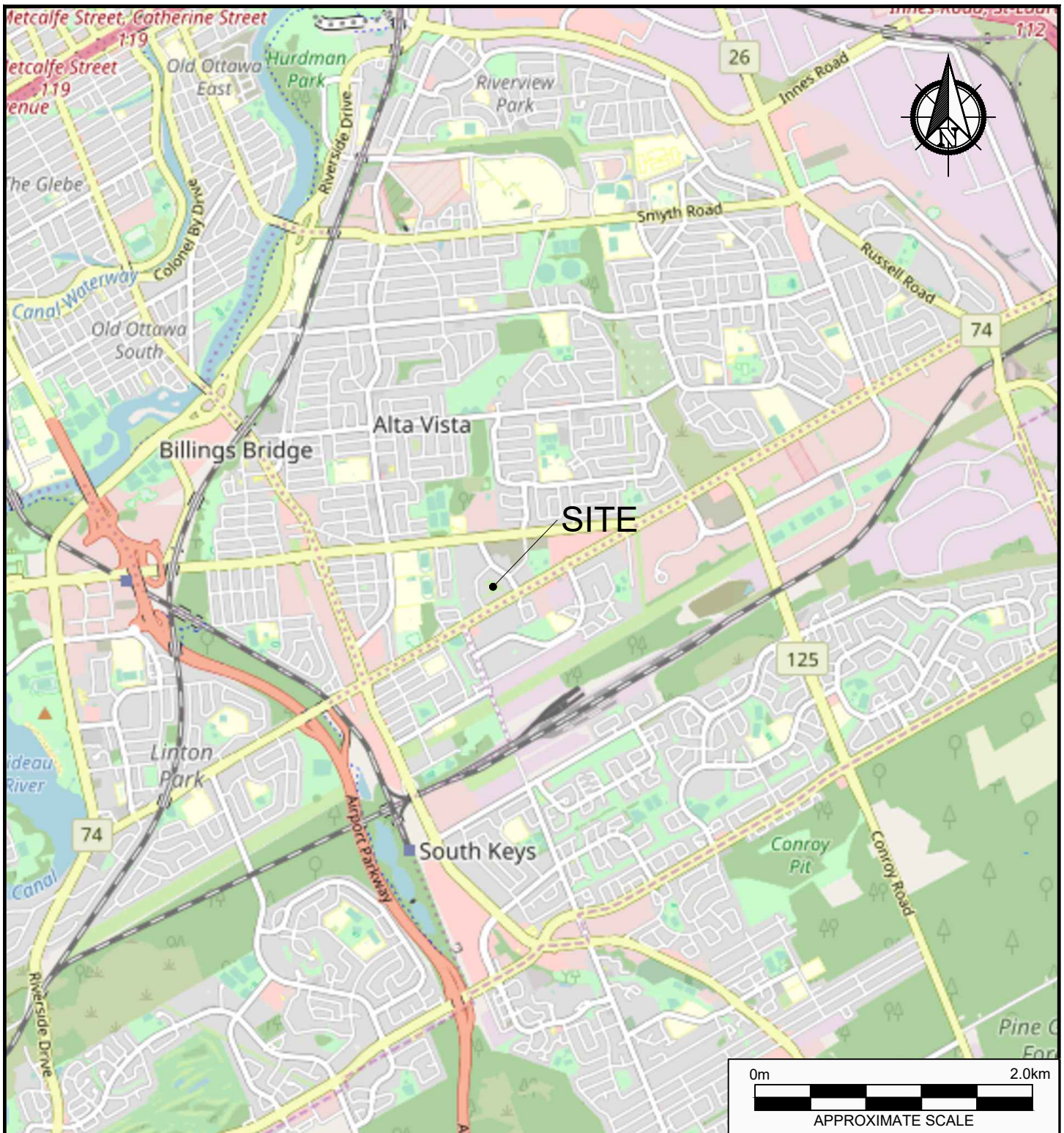
April 12, 2019
Pinchin File: 238442

- *"Phase I Environmental Site Assessment, Cedarwood Village, Ottawa, Ontario"* prepared by Pinchin Environmental Ltd. for TransGlobe Property Management Services, and dated July 2010.
- *"Phase I Environmental Site Assessment, Heron Gate 1, Ottawa, Ontario"* prepared by Pinchin Environmental Ltd. for Timbercreek Asset Management Inc., and dated July 2013.
- *"Phase I Environmental Site Assessment, Heron Gate 2, Ottawa, Ontario"* prepared by Pinchin Environmental Ltd. for Timbercreek Asset Management Inc., and dated July 2013.
- *"Phase I Environmental Site Assessment, Heron Gate 1, Ottawa, Ontario"* prepared by Pinchin Ltd. for Timbercreek Asset Management Inc., and dated September 21, 2015.
- *"Phase I Environmental Site Assessment, Heron Gate 2, Ottawa, Ontario"* prepared by Pinchin Ltd. for Timbercreek Asset Management Inc., and dated September 21, 2015.

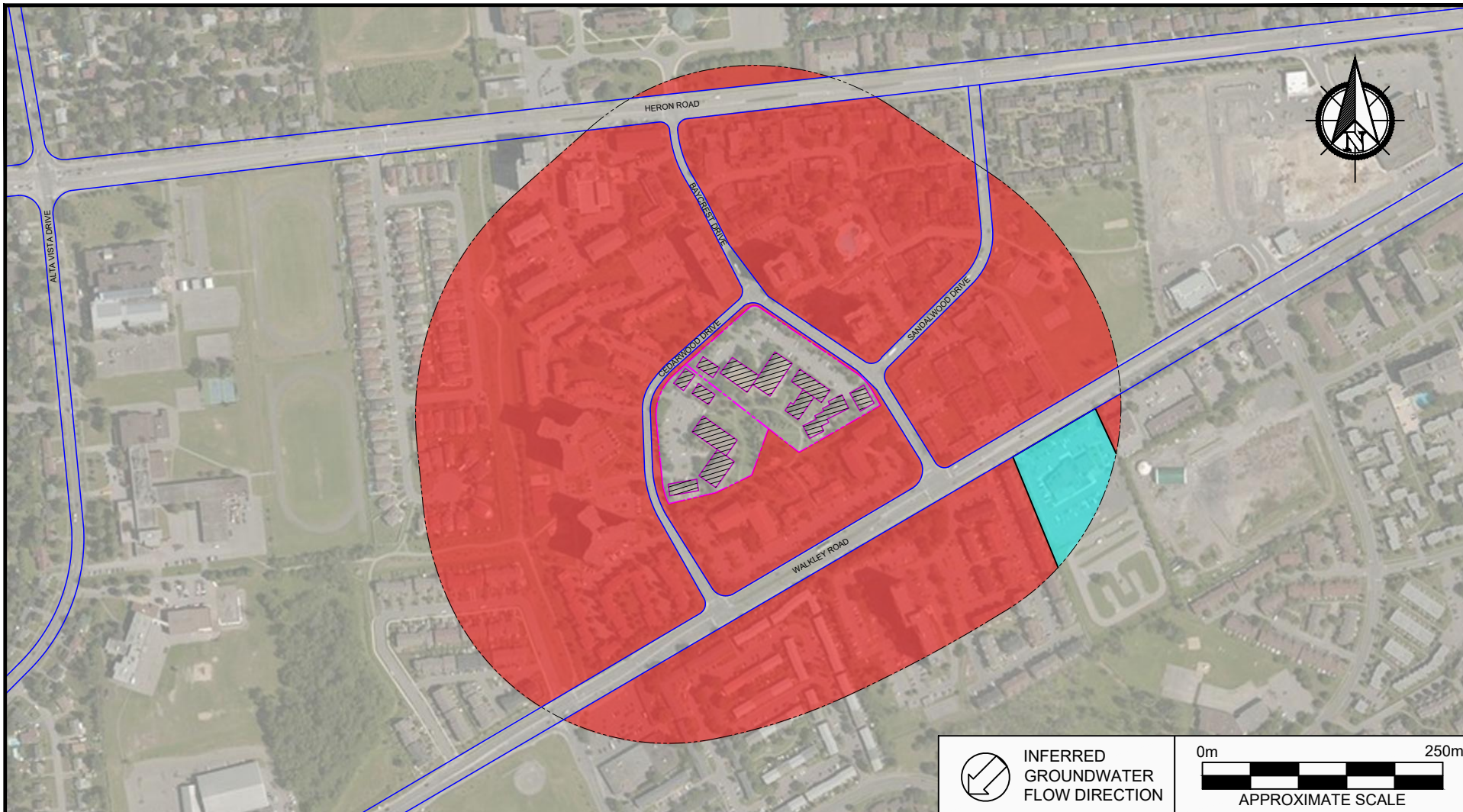
238442 SPA Phase One ESA Portions of Heron Gate 1 and 2 Ottawa ON Timbercreek
Template: Master Report for RSC Phase One ESA Report, EDR, November 1, 2018

11.0 APPENDICES

APPENDIX A
Figures



PROJECT NAME			
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT			
CLIENT NAME			
TIMBERCREEK ASSET MANAGEMENT INC.			
PROJECT LOCATION			
HERON GATE 1 AND 2, OTTAWA, ONTARIO			
FIGURE NAME			FIGURE NO.
KEY MAP			1
APPROXIMATE SCALE	PROJECT NO.	DATE	1
AS SHOWN	238442	APRIL 2019	



INFERRED
GROUNDWATER
FLOW DIRECTION

0m 250m
APPROXIMATE SCALE



LEGEND

- SITE BOUNDARY
- SITE BUILDINGS
- RESIDENTIAL
- COMMERCIAL

PROJECT NAME

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

CLIENT NAME

TIMBERCREEK ASSET MANAGEMENT INC.

PROJECT LOCATION

HERON GATE 1 AND 2, OTTAWA, ONTARIO

FIGURE NAME

PHASE ONE STUDY AREA

FIGURE NO.

2

APPROXIMATE SCALE
AS SHOWN

PROJECT NO.
238442

DATE
APRIL 2019

APPENDIX B
Photographs



Phase One Environmental Site Assessment

Timbercreek Asset Management Inc.

Photographs

April 12, 2019

Pinchin File: 238442

Appendix B



Photo 1 – View of 2875 Cedarwood Drive (a Site Building at Heron Gate 1).



Photo 2 – View of 2865 Cedarwood Drive (a Site Building at Heron Gate 1).



Photo 3 – View of 2831-2839 and 2845 Cedarwood Drive (Site Buildings at Heron Gate 1).



Photo 4 – View of 2825 Baycrest Drive (a Site Building at Heron Gate 2).



Photo 5 – View of 2805 Baycrest Drive (a Site Building at Heron Gate 2).



Photo 6 – View of 2848-2864 Baycrest Drive (a Site Building at Heron Gate 2).



Phase One Environmental Site Assessment

Timbercreek Asset Management Inc.

Photographs

April 12, 2019

Pinchin File: 238442

Appendix B



Photo 7 – View of 2870 Baycrest Drive (a Site Building at Heron Gate 2).



Photo 8 – Properties located north of the Phase One Property.



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



Photo 10 – Properties located east of the Phase One Property.



Phase One Environmental Site Assessment

Timbercreek Asset Management Inc.

Photographs

April 12, 2019

Pinchin File: 238442

Appendix B



Photo 11 – Properties located west of the Phase One Property.

APPENDIX C
Survey Plan

METRIC CONVERSION
DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE
IN METERS AND CAN BE CONVERTED TO FEET BY DIVIDING
BY 0.3048
UNIT SCALE CONVERSION
DISTANCES ARE SHOWN IN METERS AND CAN BE CONVERTED TO FEET BY DIVIDING
BY 0.3048
BEARING FACTOR
BEARINGS ARE GIVEN IN DEGREES AND ARE REFERRED TO THE
EASTERN LIMIT OF REGISTERED PLAN 1628014 BY A
BEARING OF 100°28'40"W

SURVEYOR'S CERTIFICATE
I, CERTIFY THAT:
1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE
WITH THE SURVEY ACT, THE SURVEYORS ACT AND THE
REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON THE 28th DAY OF FEBRUARY,
2015.

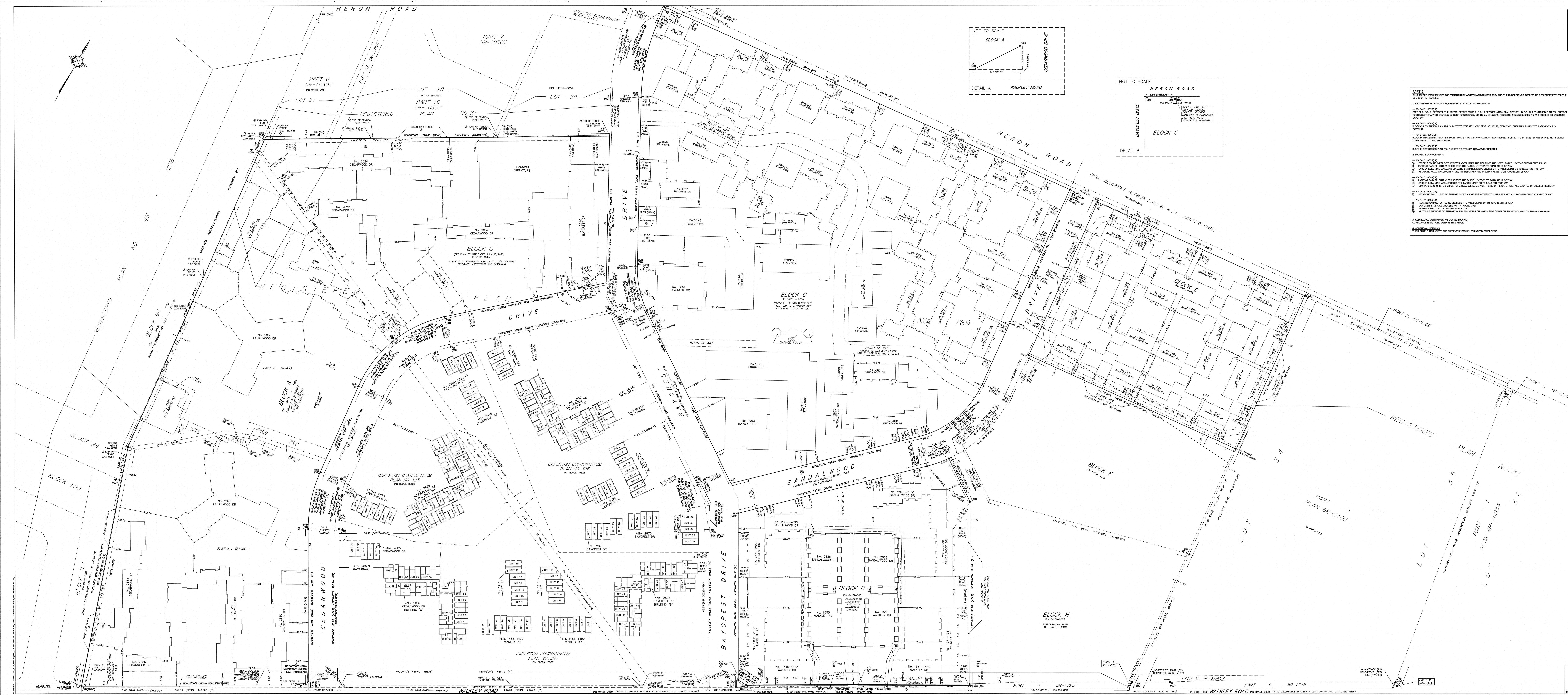
David W. Taylor
DATE: 28 FEB 2015
CITY OF OTTAWA
CITY ENGINEER

LEGEND	
1	EXISTING FOUNDATION
2	EXISTING FOUNDATION
3	EXISTING FOUNDATION
4	EXISTING FOUNDATION
5	EXISTING FOUNDATION
6	EXISTING FOUNDATION
7	EXISTING FOUNDATION
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96	EXISTING FOUNDATION
97	EXISTING FOUNDATION
98	EXISTING FOUNDATION
99	EXISTING FOUNDATION
100	EXISTING FOUNDATION

NOTE
1. THIS PLAN OF SURVEY IS TO BE READ IN CONJUNCTION
WITH THE REPORT SURVEYOR NOTED AS PART 2.
2. THIS REPORT CAN ONLY BE UPDATED BY THIS OFFICE.
NO ADDITIONAL PRINTS OF THIS ORIGINAL REPORT
WILL BE ISSUED SUBSEQUENT TO THE DATE OF
CERTIFICATION.
3. ALL TIES TO PREVIOUS SURVEYS OR OTHERS NOTED
RISK OF UNDERGROUND SERVICES, INFORMATION
PLANNED ACCORDINGLY.
4. ALL TIES TO CURVED BOUNDARY ARE RADIAL TO ARC
THIS PLAN IS AN UPDATE OF PREVIOUS SURVEY
PREPARED BY STANTEC GEOMATICS LTD. AND SIGNED BY
D.A. CHODURA DATED NOVEMBER 2, 2008. PROJECT
NO. 16461349-110
5. Copyright 2015 Stantec Geomatics Ltd. The reproduction of
this report in whole or in part without the express permission of
Stantec Geomatics Ltd. is strictly prohibited.

1601 MAY 2008-07/2526, 500/0413
Stantec Geomatics Ltd.
1101 CATHARINE AVENUE, SUITE 400, OTTAWA, ON K2C 1K4
PHONE: 613-947-8888 FAX: 613-947-8889
PROJECT NO. 16461349-110

DRAWN BY: ST CHECKED BY: DWT PLOT: 2



APPENDIX D
RMS Records

HEIRS™



Historical
Environmental
Information
Reporting
System



Site Address:

2816-2896 & 2815-2879 Sandalwood Drive, 1530-1592 heron Rd, 2822-2886 & 2805-2889 Cedarwood Drive, 1463-1581 Walkley Rd and 2821-2905 & 2840-2898 Baycrest Drive Ottawa, ON

Project No:

59608

Requested by:

Skyler Besley
Pinchin Environmental

Date Completed:

June 18, 2010



RISK MANAGEMENT SERVICES
An **SCM** Company

150 Commerce Valley Drive W
Thornhill, ON L3T 7Z3
Tel: (905) 882-6300 xt5405
www.scm-rms.ca

Report Completed By:
Joan Majchrowski

MERCANTILE DIVISION

Canadian Underwriters' Association

SURVEY FOR RATING FIRE-RESISTIVE RISKS

Questions and diagram must be completed and the form signed by the owner, occupant or architect of the building

Location (Town and Street) OTTAWA, 2861 RAYCREST DRIVE Ins. Plan-SKF-600 862,300 No. NOP.
 Owned by MINTO CONSTRUCTION CO. Occupied by TENANTS.
 For 189 APT. HOUSE No. of hands _____
 Is building completely finished and out of workmen's hands? YES.

OCCUPANCY

Give occupancy, kind of work, processes, machinery and number of hands on each floor

Basement MACHINA SKID. - BOILER RM. - LAUNDRY RM. - GARAGE RM. - PARTY RM. - SAWMILLING - REC. RM. - TRANSFORMER RM. - STGE RM.

1st 9 APTS.

2nd 10 APTS.

3rd 11

4th 0

5th 19TH FLOOR.

6th

15 13 "K"
= 4.5 "K" (anneal)
Done 2/2/73.

CONSTRUCTION OF BUILDING

1. TYPE OF CONSTRUCTION - Floors & Roof Carried on:

- (a) Skeleton Steel Framework
 (b) Reinforced Concrete, Framework
 (c) Bearing Walls & Partitions

☐
☒
☐

(d) Bearing Walls & Steel Columns

(e) Steel on Steel Walls & Roof

(f) Other Construction

☐
☐
☐

(Describe fully)

2. WALLS - State construction of external walls.

If bearing walls give thickness of walls in inches at each floor

12/HOB.
12"

3. ROOF AND FLOOR - Materials

Roof ☒ Floors ☒
 Roof ☐ Floors ☐
 Roof ☐ Floors ☐
 Roof ☐ Floors ☐

(a) Concrete, reinforced - Poured in place 6 inches thick

(b) Concrete, on metal pan - Poured in place _____ inches thick

(c) Concrete, Precast Units _____ inches thick

(Name of Manufacturer)

(d) Steel Deck, Construction #1 ☐ Otherwise ☐

If Construction #1 State method of attaching insulation to steel deck

Mechanical Fasteners ☐ Adhesive ☐ Otherwise ☐

If adhesive state trade name _____

(e) Other Materials - Describe and Show Thickness _____

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RMS HEIRS
 All Rights Reserved
 59608

ROOF AND FLOOR — Method of support

- | | | |
|-------------------------------|---------------------------------|--|
| Roof <input type="checkbox"/> | Floors <input type="checkbox"/> | (a) Unprotected Steel Beams. |
| Roof <input type="checkbox"/> | Floors <input type="checkbox"/> | (b) Steel Beams Protected by _____ inches of _____ |
| Roof <input type="checkbox"/> | Floors <input type="checkbox"/> | (c) Reinforced Conc. Beams — Poured in place. |
| Roof <input type="checkbox"/> | Floors <input type="checkbox"/> | (d) Precast Concrete Structural Units. _____ inches thick _____ (Name of Manufacturer) |
| Roof <input type="checkbox"/> | Floors <input type="checkbox"/> | (e) Bearing Walls Only. No Supporting Steel. |

If building is composed of more than one type of construction, identify sections of floor involving each type and indicate on plan.

(c) Is there any roof space exceeding 3 feet in height? NO If so, for what purpose is it used?

How is access obtained thereto?

If by trap or door, describe type.

(b) Are all skylights of wired glass in metal frames?

(c) Is there any wood in roof, louvers, ventilators or skylights; if so give details.

(d) Is there a wood roof laid over an incombustible one?

If so, how is it supported?

(e) If so, what is the maximum and minimum height of this above the incombustible roof?

(f) Is the incombustible roof broken by Texas, louvers, ventilator, trapdoor, skylight, stair, elevator, other shafts?

If so, what is the construction of the sides through roof space?

Is there any access or opening from these shafts to the roof space? Describe each separately.

(g) Is there a superstructure, water cooling tower, or Penthouse of any kind on the roof? YES If so, given dimensions, construction and occupancy. 30 X 35 APPT.

1 - APPT.

How is access obtained? STAIRS

(h) Is there a wood wearing floor? NO If so, on which storeys?

(i) Is it laid directly on incombustible floor or with an airspace? Describe.

4. STEEL COLUMNS AND BEAMS — Are they fireproofed? NO If "Yes," state nature and thickness of such protection.

(a) Columns

(b) Beams.

FLOOR OPENINGS

5. STAIRWAYS — How many, and state from which floor to which? 2 - 1ST - TO 19TH

Is there an enclosure around them? YES If so, describe construction of enclosure, and the doors, and whether doors are self-closing. NEW WALLS

SIC W/ 12" DOORS.

6. ELEVATORS — How many, and state from which floor to which? 3 - 1ST - TO 19TH

Is there an enclosure around them? YES If so, describe construction of enclosure, and the doors, and whether doors are self-closing. CONC. SHEET

STD. ELEVATORS.

7. CHUTES, VENTS, DUMB WAITERS & BELT HOLES & OTHER FLOOR OPENINGS — Give size, construction of enclosure (if any), type of door (if any), and whether self-closing, stating which floors are cut by each. SHRIMP CHUTE 19TH TO 1ST. "STEEL" STD. 12" DOORS EACH FLOOR, NEW METAL LINED CHUTE.

8. HEATING AND VENTILATING DUCTS — Are there any? NO

(a) Are ducts, which cut through floor, in masonry shafts.

(b) Give construction of shaft

(c) State whether separate duct to each floor without communication to other floors.

(d) Do ducts open into roof space?

9. HEIGHT — State number of floors and whether there is a basement 19 STYS 1 BT.

10. AREA — Give ground floor dimensions 120 X 120 = 14,400 SQ. FT.

11. INTERIOR FINISH —

State separately for each floor, finish and method of attachment to walls and ceiling (if more than one type of finish is present on any one floor, state percentage of each type).

	Bas.	1st	2nd	3rd	4th	5th	6th	
(a) Walls	CONC + PICO	GYPSUM	UP	TO	19TH			
(b) Ceilings	CONC + PICO	PICO						
(c) Partitions	GYPSUM	GYPSUM						

State extent of any wood partitions, or partitions having wood supports in square feet separately for each floor:—

(d) Is there any other inside or outside combustible finish or trim other than above? Describe fully: LOOKS IN ANTE., CUPBOARD.

12. HEATING — What is the system of heating the building? HOT WATER. Where is heating plant located? IN KITCH.

Is it in fire-resistive room with standard fire door? YES. Are there any stoves; if so, how many and where located? —

Do any heating devices vent otherwise than to brick or concrete chimney; if so, give details: —

What fuel is used? FUEL OIL

13. ELECTRIC WIRING — All wiring is in Rigid Conduit ☒ Otherwise ☐

Are all circuits protected by type "S" tamper resisting fuses or non-interchangeable circuit breakers? C.B.

14. POWER — Is any used? YES. If so, what kind? A.C. Total Horse Power? OVER 1 HP.

What used for? ELEC. SERVICES

If gasoline engine, state method of ignition, location and capacity of supply, tank, whether feed is pressure or gravity, quantity of gasoline in engine: —

15. GASOLINE OR BENZINE, OR OTHER OILS — Are any kept? NO. If so, what quantity of each? —

What used for? —

16. COMMUNICATIONS — Does the building communicate with any other building? NO. (a) If so, give dimensions, height, construction and occupancy and indicate clearly on diagram: —

(b) If so, are buildings separated by solid wall? — (c) If so, are all openings in this wall protected by self-closing U.L. labelled Class A fire doors? —

(d) If not, describe type of doors on each opening: —

PUBLIC PROTECTION

17. FIRE DEPARTMENT — State distance to the nearest fire station: —

18. HYDRANTS — What is the distance to the nearest two hydrants? 2 X 150. Give size of main 8"

INTERNAL PROTECTION

19. Show number units for each floor:

	Basement	1st	2nd	3rd	4th	5th	6th	7th	8th
Exting. 2 1/2 Gal. Class A	2	2	UP	TO	19TH				
Exting. Class B & C	2								
Stand. Pipe & Hose	2	2	UP	TO	19TH				

20. WATCHMAN — Is there a Watchman making rounds of the whole premises, nights, Sundays, holidays, and at all times when plant is not in operation, rounds being made not less than once an hour during the night, i.e. from 6 p.m. to 6 a.m., and every two hours during the day?

(a) Does he use a portable clock, electric detector, or report to central station? —

(b) Give name of manufacturer of clock: —

(c) Does it bear approval label of Underwriters' Laboratories? —

(d) Are the stations sufficient and so located that the Watchman must traverse each flat and every portion be visible to him? —

21. AUTOMATIC FIRE DETECTION SYSTEM — If such system is present provide details on questionnaire obtainable from Canadian Underwriters' Association. LOCAL.

(over)

MERCANTILE DIVISION

Canadian Underwriters' Association

SURVEY FOR RATING FIRE-RESISTIVE RISKS

Questions and diagram must be completed and the form signed by the owner, agent,
or architect of the building

Location (Town and street) Ottawa Ins. Plan—S 600 B. 60198 No. 2851
Owned by Auto Const. Occupied by vrs tenants
For a apartment house No. of hands
Is building completely finished and out of workman's hands? yes

OCCUPANCY

Give occupancy, kind of work, processes, machinery and number of hands on each floor

Basement parking, boiler room, storage
1st apts to 13th
11th recreation room
2nd
3rd B. 15th level K 318.5
AK 76/12
4th
5th
6th

CONSTRUCTION OF BUILDING

1. TYPE OF CONSTRUCTION—Floors & Roof Carried on:

(a) Skeleton Steel Framework ☐(d) Bearing Wall's & Steel Columns ☐(b) Reinforced Concrete, Framework ☐(e) Steel on Steel Walls & Roof ☐(c) Bearing Walls & Partitions ☒(f) Other Construction ☐

(Describe fully)

2. WALLS—State construction of external walls. brick on HCB

If bearing walls give thickness of walls in inches of each floor

3. ROOF AND FLOOR—Materials

Roof ☐ Floors ☐Roof ☐ Floors ☐Roof ☐ Floors ☐Roof ☐ Floors ☐Roof ☐ Floors ☐(a) Concrete, reinforced—Poured in place. 21 inches thick on bamboo joists

(b) Concrete, on metal pan—Poured in place _____ inches thick

(c) Concrete, Precast Units _____ inches thick

(Name of Manufacturer)

(d) Steel Deck, Construction ☐ Otherwise ☐

If Construction #1 State method of attaching insulation to steel deck

Mechanical Fasteners ☐ Adhesive ☐ Otherwise ☐

If adhesive state its name

(e) Other Materials _____ and Show Thickness

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ROOF AND FLOOR — Method of support

Roof <input type="checkbox"/>	Floors <input type="checkbox"/>	(a) Unprotected Steel Beams.
Roof <input type="checkbox"/>	Floors <input type="checkbox"/>	(b) Steel Beams Protected by _____ inches of _____
Roof <input type="checkbox"/>	Floors <input type="checkbox"/>	(c) Reinforced Conc. Beams — Poured in place.
Roof <input type="checkbox"/>	Floors <input type="checkbox"/>	(d) Precast Concrete Structural Units _____ inches thick _____ (Name of Manufacturer)
Roof <input checked="" type="checkbox"/>	Floors <input checked="" type="checkbox"/>	(e) Bearing Walls Only. <u>Unprotected Steel & Hambro steel joists</u>

If building is composed of more than one type of construction, identify sections of floor involving each type and indicate on plan.

(a) Is there any roof space exceeding 3 feet in height? **NO** If so, for what purpose is it used? _____
How is access obtained thereto? _____ If by trap or door, describe type _____

(b) Are all skylights of wired glass in metal frames? _____

(c) Is there any wood in roof, louvers, ventilators, or skylights; if so give details **NO**

(d) Is there a wood roof laid over an incombustible one? **NO** If so, how is it supported? _____

(e) If so, what is the maximum and minimum height of this above the incombustible roof? _____

(f) Is the incombustible roof broken by Texas, louvers, ventilator, trapdoor, skylight, stair, elevator, other shafts? _____
Is so, what is the construction of the shafts through roof space? _____
Is there any access or opening from these shafts to the roof space? Describe each separately. _____

(g) Is there a superstructure, water cooling tower, or Penthouse of any kind on the roof? **yes** If so, give dimensions, construction and occupancy **50' x 35'**
F.R. Rec. room & elevator motors How is access obtained? **stair & elevator**

(h) Is there a wood wearing floor? _____ If so, on which storeys? _____

(i) Is it laid directly on incombustible floor or with an airspace? Describe _____

4. STEEL COLUMNS AND BEAMS — Are they fireproofed? If "Yes" state nature and thickness of such protection.

(a) Columns _____

(b) Beams: **1" gypsum board**

FLOOR OPENINGS

5. STAIRWAYS — How many, and state from which floor to which? **2; 1 bast to 13th & 1 bast to 13th**
Is there an enclosure around them? _____ If so, describe construction of enclosure, and the doors, and whether doors are self-closing _____

6. ELEVATORS — How many, and state from which floor to which? **2 — 1 bast to 14th — 1 bast to 13th**
Is there an enclosure around them? _____ If so, describe construction of enclosure, and the doors, and whether doors are self-closing _____

7. CHUTES, VENTS, DUMB WAITERS & BELT HOLES & OTHER FLOOR OPENINGS — Give size, construction of enclosure (if any), type of door (if any), and whether self-closing, stating which floors are cut by each **refuse chute to basement 8" HCB shaft w/c metal doors**

8. HEATING AND VENTILATING DUCTS — Are there any? **yes** (a) Are ducts, which cut through _____, in masonry shafts? **no**
(b) Give construction of shaft **gypred**
(c) State whether separate duct to each floor without communication to other floors _____
fire damper each floor
(d) Do ducts open into roof space? _____

9. HEIGHT — State number of floors and whether there is a basement **1/4 & basement**

10. AREA — Give ground floor dimensions **95 x 110 = 10,450 sq. ft.**

11. INTERIOR FINISH —

State separately for each floor, finish and method of attachment to walls and ceiling (If more than one type of finish is present on any one floor, state percentage of each type).

	Bas.	1st	2nd	3rd	4th	5th	6th	
(a) Walls	Conc	Gyp	Gyp	Gyp	to 14th			
(b) Ceilings	Conc	Gyp	Gyp	Gyp	to 4th			
(c) Partitions								

State extent of any wood partitions, or partitions having wood supports in square feet separately for each floor:—

(d) Is there any other inside or outside combustible finish or trim other than above? Describe fully.

12. HEATING — What is the system of heating the building? hot water Where is heating plant located? bas
 Is it in fire-resistive room with standard fire door? no Are there any stoves; if so, how many and where located
 Do any heating devices vent otherwise than to brick or concrete chimney; if so, give details.

What fuel is used? oil

13. ELECTRIC WIRING — All wiring is in Rigid Conduit ☐ Otherwise ☒
 Are all circuits protected by type "S" tamper resisting fuses or non-interchangeable circuit breakers? no

14. POWER — Is any used? yes If so, what kind? electric Total Horse Power? over 1 h.p.
 What used for? building services only
 If gasoline engine, state method of ignition, location and capacity of supply, tank, whether feed is pressure or gravity, quantity of gasoline in engine.

15. GASOLINE OR BENZINE, OR OTHER OILS — Are any kept? no if so, what quantity of each?
 What used for?

16. COMMUNICATIONS — Does the building communicate with any other building? no (a) If so, give dimensions, height, construction and occupancy and indicate clearly on diagram
 (b) If so, are buildings separated by solid wall? (c) If so, are all openings in this wall protected by self-closing U.L. labelled Class A fire doors?
 (d) If not, describe type of doors on each opening.

PUBLIC PROTECTION

17. FIRE DEPARTMENT — State distance to the nearest fire station 100 ft. & 500 ft
 18. HYDRANTS — What is the distance to the nearest two hydrants? 100 ft. & 500 ft Give size of main 6 in

INTERNAL PROTECTION

19. Show number units for each floor:

	Basement	1st	2nd	3rd	4th	5th	6th	7th	8th
Extrs. 2 1/2 Gal. Class A	2	2	2	2	to 13th		14th		
Extrs. Class B & C							1		
Stand Pipe & Hose	2	2	2	2	to 13th		1		

20. WATCHMAN — Is there a Watchman making rounds of the whole premises, nights, Sundays, holidays, and at all times when plant is not in operation, rounds being made not less than once an hour during the night, i.e. from 6 p.m. to 6 a.m., and every two hours during the day?
 (a) Does he use a portable clock, electric detector, or report to central station?
 (b) Give name of manufacturer of clock. (c) Does it bear approval label of Underwriters' Laboratories?
 (d) Are the stations sufficient and so located that the Watchman must traverse each flat and every portion be visible to him?
21. AUTOMATIC FIRE DETECTION SYSTEM — If such system is present provide details on questionnaire obtainable from Canadian Underwriters' Association.

(over)

MFR 11-151

Canadian Underwriters' Association

SURVEY FOR RATING FIRE-RESISTIVE RISKS

Questions and diagram must be completed and the form signed by the owner, occupant or architect of the building

Location (Town and Street) Ottawa Ins. Plan-S 600A B. 60198 No. 2840
 Owned by Minto Constn Occupied by vrs tenants
 For a n apartment house No. of hands _____
 Is building completely finished and out of workmen's hands? yes

OCCUPANCY

Give occupancy, kind of work, processes, machinery and number of hands on each floor

Basement lockers, laundry room boiler room & garage1st apts 1st to 8th

2nd

3rd

4th

5th

6th

CONSTRUCTION OF BUILDING

1. TYPE OF CONSTRUCTION - Floors & Roof Carried on:

(a) Skeleton Steel Framework ☒(b) Reinforced Concrete, Framework ☐(c) Bearing Walls & Partitions ☐(d) Bearing Walls & Steel Columns ☐(e) Steel on Steel Walls & Roof ☐(f) Other Construction ☐

(Describe fully)

2. WALLS - State construction of external walls. 4" brick on 8" hob

If bearing walls give thickness of walls in inches at each floor

3. ROOF AND FLOOR - Materials

Roof ☐Floors ☐Roof ☐Floors ☒Roof ☐Floors ☐Roof ☒Floors ☐Roof ☐Floors ☐

(a) Concrete, reinforced - Poured in place. _____ inches thick

(b) Concrete, on metal pan - Poured in place. 2 1/2 inches thick

(c) Concrete, Precast Units _____ inches thick (Name of Manufacturer)

(d) Steel Deck, Construction #1 ☐ Otherwi- ☐

If Construction #1 State method of attaching insulation to steel deck

Mechanical Fasteners ☐ Adhesive ☐ Otherwise ☐

If adhesive state trade name

(e) Other Materials - Describe and Show Thickness

FORM 2062

(over)

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ROOF AND FLOOR -- Method of support

Roof ☐ Floors ☐
 Roof ☒ Floors ☒
 Roof ☐ Floors ☐
 Roof ☐ Floors ☐
 Roof ☐ Floors ☐

(a) Unprotected Steel Beams.
 (b) Steel Beams Protected by 5/8 inches of gypsum board
 (c) Reinforced Conc. Beams -- Poured in place.
 (d) Precast Concrete Structural Units _____ inches thick _____ (Name of Manufacturer)
 (e) Bearing Walls Only. No Supporting Steel.

If building is composed of more than one type of construction, identify sections of floor involving each type and indicate on plan.

(a) Is there any roof space exceeding 3 feet in height? _____ If so, for what purpose is it used? _____
 How is access obtained thereto? _____ If by trap or door, describe type _____
 (b) Are all skylights of wired glass in metal frames? _____
 (c) Is there any wood in roof, louvers, ventilators or skylights; if so give details _____
 (d) Is there a wood roof laid over an incombustible one? _____ If so, how is it supported? _____
 (e) If so, what is the maximum and minimum height of this above the incombustible roof? _____
 (f) Is the incombustible roof broken by Texas, louvers, ventilator, trapdoor, skylight, stair, elevator, other shafts? _____
 If so, what is the construction of the sides through roof space? _____
 Is there any access or opening from these shafts to the roof space? Describe each separately. _____

(g) Is there a superstructure, water cooling tower, or Penthouse of any kind on the roof? YES If so, given dimensions, construction and occupancy 20 x 15
FOR ELEVATOR PENT How is access obtained? TRAP THRU ROOF
 (h) Is there a wood wearing floor? yes If so, on which storeys? 1st to 8th
 (i) Is it laid directly on incombustible floor or with an airspace? Describe _____

4. STEEL COLUMNS AND BEAMS -- Are they fireproofed? no If "Yes" state nature and thickness of such protection.

(a) Columns
 (b) Beams.

FLOOR OPENINGS

5. STAIRWAYS -- How many, and state from which floor to which? 2nd to 8th
 Is there an enclosure around them? yes If so, describe construction of enclosure, and the doors, and whether doors are self-closing hob shaft
with s/c balmain doors

6. ELEVATORS -- How many, and state from which floor to which? 2nd to 8th
 Is there an enclosure around them? yes If so, describe construction of enclosure, and the doors, and whether doors are self-closing hob shaft with self closing, hollow metal doors

7. CHUTES, VENTS, DUMB WAITERS & BELT HOLDS & OTHER FLOOR OPENINGS -- Give size, construction of enclosure (if any), type of door (if any), and whether self-closing, stating which floors are cut by each refuse chute sheet metal chute in gypsum board enclosure with s/c metal doors, 3th to basement

8. HEATING AND VENTILATING DUCTS -- Are there any? yes (a) Are ducts, which cut through floor, in masonry shafts? no
 (b) Give construction of shaft gypsum board (c) State whether separate duct to each floor without communication to other floors _____
fire damper at each floor level (d) Do ducts open into roof space? _____

9. HEIGHT -- State number of floors and whether there is a basement 8 and basement

10. AREA -- Give ground floor dimensions 239 x 55 - (garage 190 x 123)

13,165 sq'

11. INTERIOR FINISH —

State separately for each floor, finish and method of attachment to walls and ceiling (If more than one type of finish is present, on any one floor, state percentage of each type).

	Basement	1st	2nd	3rd	4th	5th	6th	
(a) Walls	hcbn	P/GYP	P/GYP	II	II	II	II	
(b) Ceilings	P/GYP	II	II	II	II	II	II	
(c) Partitions	hcb	hcb hcb	hcb	hcb	hcb	hcb	hcb	

State extent of any wood partitions, or partitions having wood supports in square feet separately for each floor:—

(d) Is there any other inside or outside combustible finish or trim other than above? Describe fully.

12. HEATING — What is the system of heating the building? hot water Where is heating plant located? basement
 Is it in fire-resistive room with standard fire door? no Are there any stoves; if so, how many and where located?
 Do any heating devices vent otherwise than to brick or concrete chimney; if so, give details.
 What fuel is used? oil

13. ELECTRIC WIRING — All wiring is in Rigid Conduit ☐ Otherwise ☒
 Are all circuits protected by type "B" tamper resisting fuses or non-interchangeable circuit breakers? no
 14. POWER — Is any used? yes If so, what kind? electric Total Horse Power? over 1
 What used for? building services
 If gasoline engine, state method of ignition, location and capacity of supply, tank, whether feed is pressure or gravity, quantity of gasoline in engine.

15. GASOLINE OR BENZINE, OR OTHER OILS — Are any kept? no If so, what quantity of each?
 What used for?

16. COMMUNICATIONS — Does the building communicate with any other building? no (a) If so, give dimensions, height, construction and occupancy and indicate clearly on diagram.
 (b) If so, are buildings separated by solid wall? (c) If so, are all openings in this wall protected by self-closing U.L. labelled Class A fire doors?
 (d) If not, describe type of doors on each opening.

17. FIRE DEPARTMENT — State distance to the nearest fire station. 3 miles PUBLIC PROTECTION
 18. HYDRANTS — What is the distance to the nearest two hydrants? 150 & 250 Give size of main 6"

INTERNAL PROTECTION

19. Show number units for each floor:

	Basement	1st	2nd	3rd	4th	5th	6th	7th	8th
Extr. 2 1/2 Gal. Class A	2	2	2	2	2	2	2	2	2
Extr. Class B & C									
Stand. Pipe & Hose	2	2	2	2	2	2	2	2	2

20. WATCHMAN — Is there a Watchman making rounds of the whole premises, nights, Sundays, holidays, and at all times when plant is not in operation, rounds being made not less than once an hour during the night, i.e. from 6 p.m. to 6 a.m., and every two hours during the day? no
 (a) Does he use a portable clock, electric detector, or report to central station?
 (b) Give name of manufacturer of clock (c) Does it bear approval label of Underwriters' Laboratories?
 (d) Are the stations sufficient and so located that the Watchman must traverse each floor and every portion be visible to him?

21. AUTOMATIC FIRE DETECTION SYSTEM — If such system is present provide details on questionnaire obtainable from Canadian Underwriters' Association.

[over]

DIAGRAM

(Note: — A diagram is not required if the Risk and all property within 100 feet is exactly as shown on the insurance plan.)

Show all Buildings within 50 feet of the Risk and describe their occupancy, show also any openings between adjoining Buildings and all exposed Windows.

Show location of Hydrants.

Show Frame Buildings with **BLACK**, Brick Building with **RED**, Stone or Concrete Buildings with **BLUE** and Brick Veneered, Brick Nogged or Metal Clad Buildings with **DOTTED RED** lines for which purpose a red pencil can be used. Be sure to state exact distance between buildings shown.

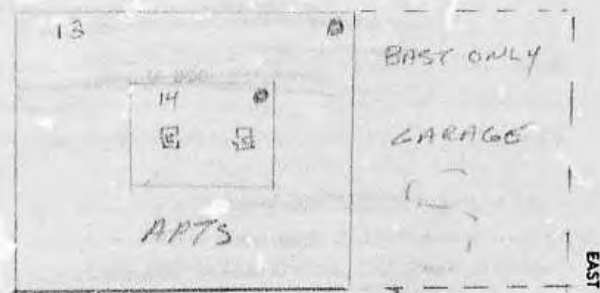
Please Draw Diagram at a scale of 50 feet = 1 inch (same as the Insurance Plans).

NORTH

WEST

BAYCREST DRIVE

O-6"



EAST

SOUTH

EXPOSURE: Note — These questions must be answered fully.

North	ft. to building built of	stories high, occupied as
South	" " NO. EXPOSURE	" "
East	" "	" "
West	" "	" "

I hereby state that the above questions are fully and correctly answered, and agree that they shall form the basis of rating to be given by the C.U.A.

DATE 29 June 19 72

SIGNATURE F.K. Hunt
(State whether Owner, Occupant or Architect)

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DIAGRAM

(Note: — A diagram is not required if the Risk and all property within 100 feet is exactly as shown on the insurance plan.)

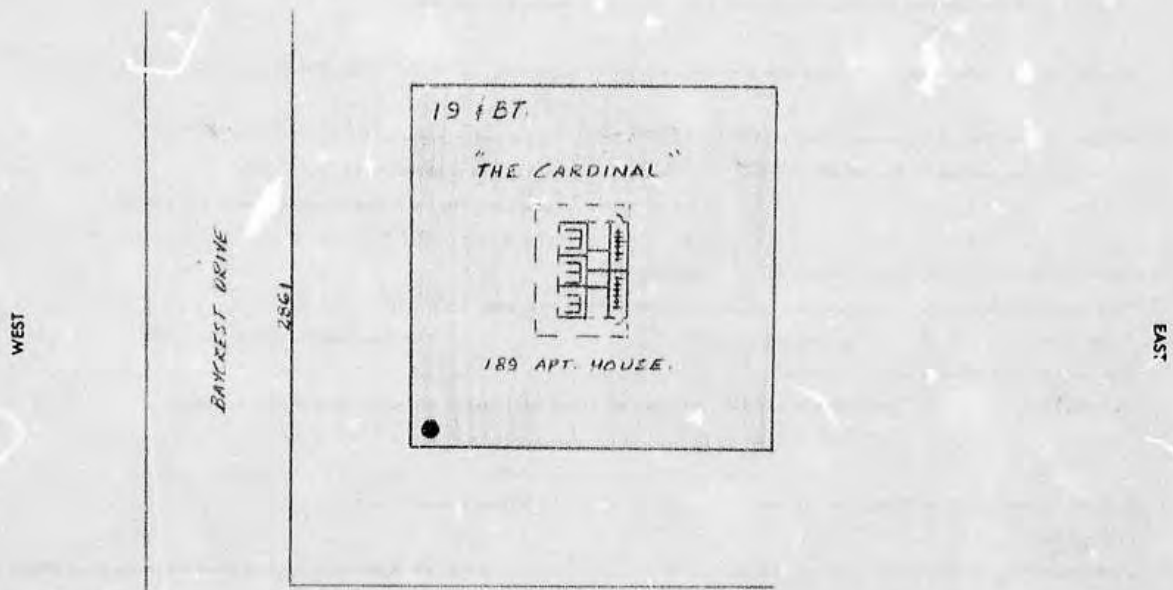
Show all Buildings within 50 feet of the Risk and describe their occupancy, show also any openings between adjoining Buildings and all exposed Windows.

Show location of Hydrants

Show Frame Buildings with **BLACK**, Brick Building with **RED**, Stone or Concrete Buildings with **BLUE** and Brick Veneered, Brick Noggad or Metal Clad Buildings with **DOTTED RED** lines for which purpose a red pencil can be used. Be sure to state exact distance between buildings shown.

Please Draw Diagram at a scale of 50 feet = 1 inch (same as the Insurance Plans).

NORTH



SOUTH

EXPOSURE: Note — These questions must be answered fully.

North	1	ft. to building built of	stories high, occupied as
South	1	" "	" "
East	1	" "	" "
West	1	" "	" "

I hereby state that the above questions are fully and correctly answered, and agree that they shall form the basis of rating to be given by the C.U.A.

DATE Feb 27, 1973

SIGNATURE *W. L. [Signature]*
(State whether Owner, Occupant or Architect)

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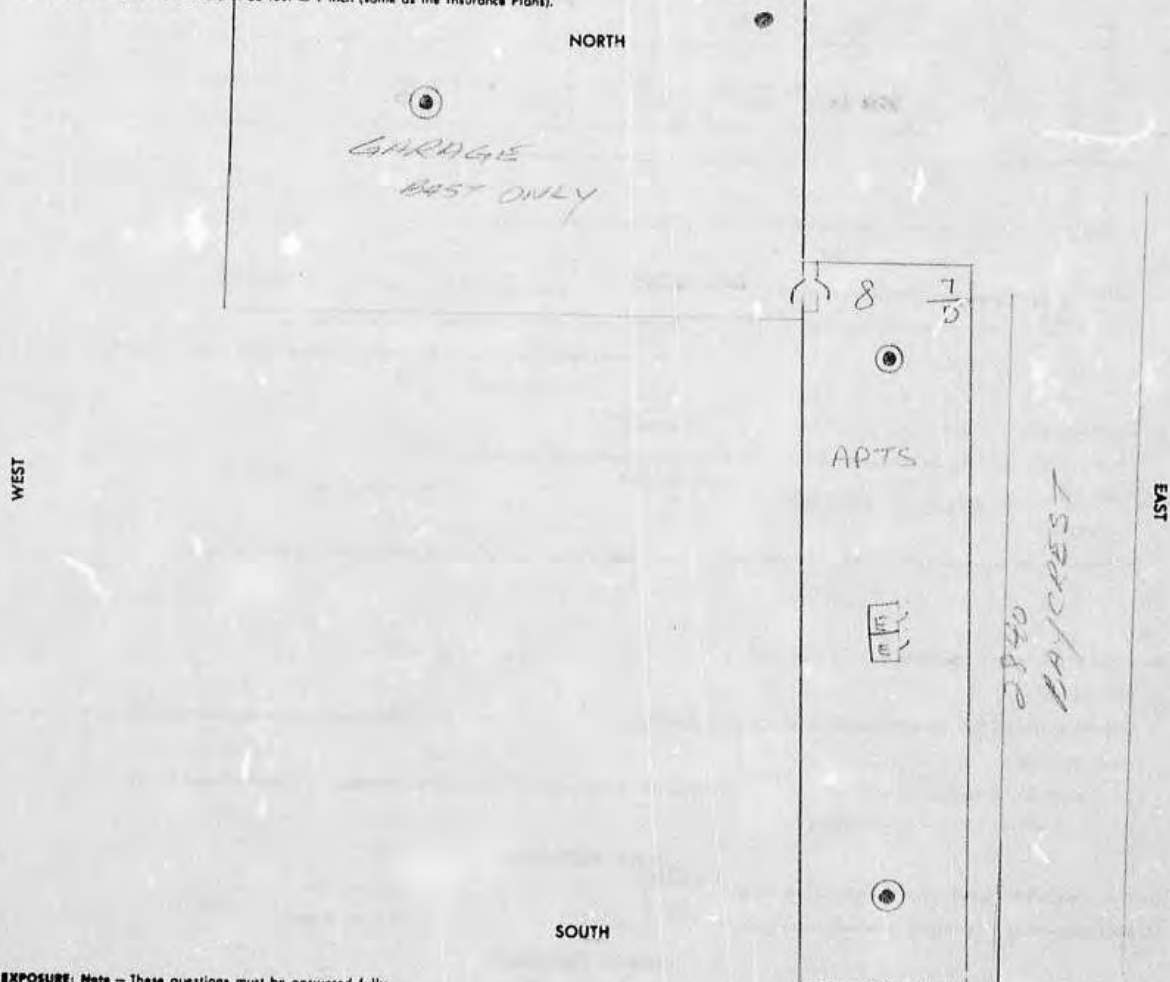
(Note: — A diagram is not required if the Risk and all property within 100 feet is exactly as shown on the insurance plan.)

Show all Buildings within 50 feet of the Risk and describe their occupancy, show also any openings between adjoining Buildings and all exposed Windows.

Show location of Hydrants

Show Frame Buildings with **BLACK**, Brick Buildings with **RED**, Stone or Concrete Buildings with **BLUE** and Brick Veneered, Brick Nogged or Metal Clad Buildings with **DOTTED RED** lines for which purpose a red pencil can be used. Be sure to state exact distance between buildings shown.

Please Draw Diagram at a scale of 50 feet = 1 inch (same as the Insurance Plans).



EXPOSURE: Note — These questions must be answered fully.

North	ft. to building built of	stories high, occupied as
South	"	"
East	"	"
West	"	"

NO EXPOSURE

I hereby state that the above questions are fully and correctly answered, and agree that they shall form the basis of rating to be given by the C.U.A.

DATE 13 March, 19 71

SIGNATURE F. K. Hunt
(State whether Owner, Occupant or Architect)

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APPENDIX E
EcoLog ERIS Report



DATABASE **REPORT**

Project Property:	<i>Parts f Heron Gate 1 and 2, Ottawa, Ontario 2845 Cedarwood Drive Ottawa ON K1V 0G6</i>
Project No:	<i>238442</i>
Report Type:	<i>RSC Report (Urban)</i>
Order No:	<i>20190325195</i>
Requested by:	<i>Pinchin Ltd.</i>
Date Completed:	<i>March 29, 2019</i>

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Executive Summary

Property Information:

Project Property: *Parts f Heron Gate 1 and 2, Ottawa, Ontario
2845 Cedarwood Drive Ottawa ON K1V 0G6*

Project No: *238442*

Order Information:

Order No: *20190325195*
Date Requested: *March 25, 2019*
Requested by: *Pinchin Ltd.*
Report Type: *RSC Report (Urban)*

Historical/Products:

Topographic Map *Ontario Base Map (OBM)*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	10	10
CA	Certificates of Approval	Y	0	2	2
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DRYCLEANERS	Dry Cleaning Facilities	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	9	9
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	11	11
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	35	35
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	1	1	2
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MISA PENALTY	Environmental Penalty Annual Report	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	TSSA Pipeline Incidents	Y	1	1	2
PRT	Private and Retail Fuel Storage Tanks	Y	0	1	1
PTTW	Permit to Take Water	Y	0	1	1
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	2	2
SPL	Ontario Spills	Y	0	8	8
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	6	6
Total:			2	87	89

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>
4	HINC		2845 CEDARWOOD DRIVE, UNIT 48 GLOUCESTER ON	WSW/56.6	1.00	27
4	PINC		2865 Cedarwood Dr. Ottawa ON	WSW/56.6	1.00	27

Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<u>1</u>	GEN	OTNIM Properties Ltd.	2861 Baycrest Cres. Ottawa ON K1V 8X8	N/15.1	-0.03	<u>28</u>
<u>1</u>	GEN	Minto Management Limited	2861 BAYCREST DR Ottawa ON K1V 8X8	N/15.1	-0.03	<u>28</u>
<u>2</u>	SPL	S. 21	2832 S Cedarwood Drive Ottawa ON K1V 7R1	WNW/18.0	0.00	<u>28</u>
<u>3</u>	EHS		2805, 2898, 2889, 2865 Cedarwood Dr. Ottawa ON K1V 0G8	SSW/22.3	1.08	<u>29</u>
<u>5</u>	SPL	PRIVATE RESIDENCE	MINTO MANAGEMENT LTD. 2850 CEDARWOOD DRIVE FURNACE OIL TANK OTTAWA CITY ON	WSW/58.5	0.94	<u>29</u>
<u>6</u>	EHS		2840 Baycrest Dr Ottawa ON K1V7P8	WSW/64.5	1.69	<u>29</u>
<u>7</u>	SPL	Transglobe Property Management Ltd.	2840 Baycrest Avenue Ottawa ON	NNW/75.5	1.08	<u>29</u>
<u>8</u>	EHS		2805,2898,2889,2865 Cedarwood Dr. Ottawa ON	SW/85.6	1.00	<u>30</u>
<u>9</u>	SPL	OTTAWA, THE CITY OF	1544F BAYCREST (N.O.S.) OTTAWA CITY ON	ESE/86.5	0.08	<u>30</u>
<u>10</u>	CA	OTTAWA CITY-WALKLEY ARENA COMPLEX	1533 WALKLEY ROAD OTTAWA CITY ON	ESE/91.9	-0.69	<u>31</u>
<u>11</u>	WWIS		lot A con 4 Ottawa ON Well ID: 7276471	SE/108.3	-1.12	<u>31</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>12</u>	SCT	ARCPROTEC INC	2847 C SANDALWOOD DR OTTAWA ON K1V 7P4	ENE/129.1	1.00	<u>33</u>
<u>13</u>	EHS		2810 Baycrest Drive Ottawa ON K1V 7P7	NNW/152.1	1.00	<u>33</u>
<u>14</u>	GEN	Timbercreek Asset	2870 Cedarwood Drive Suite 100 Ottawa ON K1V 8Y5	SW/156.4	1.00	<u>34</u>
<u>14</u>	GEN	Timbercreek Asset	2870 Cedarwood Drive Suite 100 Ottawa ON K1V 8Y5	SW/156.4	1.00	<u>34</u>
<u>14</u>	GEN	Timbercreek Asset	2870 Cedarwood Drive Suite 100 Ottawa ON K1V 8Y5	SW/156.4	1.00	<u>34</u>
<u>14</u>	GEN	Timbercreek Asset	2870 Cedarwood Drive Suite 100 Ottawa ON K1V 8Y5	SW/156.4	1.00	<u>35</u>
<u>14</u>	GEN	Timbercreek Asset	2870 Cedarwood Drive Suite 100 Ottawa ON	SW/156.4	1.00	<u>35</u>
<u>15</u>	BORE		ON	N/179.9	2.02	<u>36</u>
<u>15</u>	WWIS		ON Well ID: 1508275	N/179.9	2.02	<u>36</u>
<u>16</u>	EHS		1450 Heron Rd Ottawa ON K1V6A5	NW/184.8	2.72	<u>38</u>
<u>17</u>	SPL	1258963 Ontario Inc., operating as Condominium Management	Corporation<UNOFFICIAL> 1512 Walkley Road Ottawa ON	SE/190.2	-1.00	<u>39</u>
<u>18</u>	BORE		ON	ENE/194.9	0.00	<u>39</u>
<u>19</u>	EHS		Various Residential Addresses (Baycrest Dr., Cedarwood Cr., Sandalwood Dr., Walkley Rd.) Ottawa ON	N/221.4	1.96	<u>40</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
20	CA	PUBLIC WORKS & GOVT. SERVICES CANADA	1495 HERON ROAD OTTAWA CITY ON K1V 6A6	N/222.2	1.97	40
20	GEN	PUBLIC WORKS AND GOV'T SERVICES CANADA	FEDERAL STUDY CENTER 1495 HERON ROAD OTTAWA ON K1V 6A6	N/222.2	1.97	40
20	GEN	Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	N/222.2	1.97	40
20	GEN	BROOKFIELD LEPAGE JOHNSON CONTROLS	FEDERAL STUDY CENTRE 1495 HERON ROAD OTTAWA ON K1V 6A6	N/222.2	1.97	41
20	GEN	Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	N/222.2	1.97	42
20	GEN	PUBLIC WORKS & GOVERNMENT SERVICES CANADA	1495 HERON ROAD FEDERAL STUDY CENTRE OTTAWA ON K1V 6A6	N/222.2	1.97	42
20	GEN	Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	N/222.2	1.97	43
20	GEN	PUBLIC WORKS AND GOV'T SERVICES CANADA	FEDERAL STUDY CENTER 1495 HERON ROAD OTTAWA ON K1V 6A6	N/222.2	1.97	44
20	GEN	Five Star Enterprises	1495 Heron Road Ottawa ON K1V 6A6	N/222.2	1.97	44
20	GEN	Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	N/222.2	1.97	44
21	SPL	PRIVATE OWNER	FEDERAL STUDIES CENTRE, 1491 HERON ROAD. AIR CONDITIONING UNIT OTTAWA CITY ON K1V 6A6	NNW/225.8	1.94	45
22	BORE		ON	E/236.4	0.00	45

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
22	WWIS		ON Well ID: 1508970	E/236.4	0.00	46
23	GEN	BETTY BRITE CLEANERS	1574 WALKLEY ROAD OTTAWA ON K1V 6P5	E/237.3	-0.69	48
23	GEN	STARLIGHT BUILDING CLEANING SERVICES	1576 WALKLEY ROAD OTTAWA ON K1V 6P5	E/237.3	-0.69	48
23	GEN	STARLIGHT BUILDING CLEANING SERVIC	1576 WALKLEY ROAD OTTAWA ON K1V 6P5	E/237.3	-0.69	49
23	GEN	BETTY BRITE CLEANERS	1574 WALKLEY ROAD C/O 218 LAURIER AVENUE EAST OTTAWA ON K1V 6P5	E/237.3	-0.69	49
23	GEN	BETTY BRITE CLEANERS 05- 390	1574 WALKLEY ROAD OTTAWA ON K1V 6P5	E/237.3	-0.69	49
24	EHS		Sandalwood Park 2850 Sandalwood Drive Ottawa ON	ENE/239.8	0.00	49
25	EHS		1574-1576 Walkley Road Ottawa ON	E/249.9	-0.68	50
26	GEN	OTTAWA R.C. SEPARATE SCHOOL BOARD 29-314	ST. PATRICK'S INTERMEDIATE 1485 HERON RD. OTTAWA ON K1V 6A6	NNW/256.8	3.00	50
26	GEN	OTTAWA R.C. SEPARATE SCHOOL BOARD	ST. PATRICK'S HIGH SCHOOL 1485 HERON RD. OTTAWA ON K1V 6A6	NNW/256.8	3.00	50
26	GEN	Ottawa Catholic District School Board	1485 Heron Road Ottawa ON K1V 6A6	NNW/256.8	3.00	51
26	GEN	OTTAWA-CARLETON CATHOLIC SCHOOL BOARD	ST. PATRICK'S INTERMEDIATE SCHOOL 1485 HERON ROAD OTTAWA ON K1V 6A6	NNW/256.8	3.00	51
26	GEN	Ottawa Catholic District School Board	1485 Heron Road Ottawa ON K1V 6A6	NNW/256.8	3.00	51

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
26	GEN	Ottawa-Carleton Catholic School Board	St. Patrick Intermediate School 1485 Heron Road Ottawa ON K1V 6A6	NNW/256.8	3.00	52
27	BORE		ON	SW/259.7	0.52	52
28	WWIS		MISSISSAUGA ON Well ID: 7154090	E/262.8	0.00	53
29	BORE		ON	ESE/265.5	-1.00	55
30	GEN	Shas Pharmacy Limited	1428 Walkley Road Ottawa ON K1V6P5	SSW/266.7	0.00	56
30	GEN	Shas Pharmacy Limited	1428 Walkley Road Ottawa ON K1V6P5	SSW/266.7	0.00	56
30	GEN	Shas Pharmacy Limited	1428 Walkley Road Ottawa ON K1V6P5	SSW/266.7	0.00	56
30	GEN	Shas Pharmacy Limited	1428 Walkley Road Ottawa ON K1V6P5	SSW/266.7	0.00	57
31	BORE		ON	ESE/269.4	-1.00	57
32	WWIS		Ottawa ON Well ID: 7248718	ESE/273.0	-1.00	57
33	WWIS		Ottawa ON Well ID: 7248687	ESE/274.0	-1.00	60
34	BORE		ON	S/278.0	1.00	63
35	BORE		ON	NW/280.2	2.92	64

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>36</u>	SPL	PRIVATE RESIDENCE	1440 HERON ROAD FURNACE OIL TANK OTTAWA CITY ON K1V 0X2	NW/282.4	4.12	<u>64</u>
<u>37</u>	EXP	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON K1V 6P5	E/282.5	0.00	<u>65</u>
<u>37</u>	EXP	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON	E/282.5	0.00	<u>65</u>
<u>37</u>	EXP	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON K1V 6P5	E/282.5	0.00	<u>65</u>
<u>37</u>	EXP	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON K1V 6P5	E/282.5	0.00	<u>65</u>
<u>37</u>	EXP	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON	E/282.5	0.00	<u>66</u>
<u>37</u>	EXP	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON K1V 6P5	E/282.5	0.00	<u>66</u>
<u>37</u>	EXP	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON	E/282.5	0.00	<u>66</u>
<u>37</u>	EXP	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON K1V 6P5	E/282.5	0.00	<u>66</u>
<u>37</u>	EXP	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON	E/282.5	0.00	<u>67</u>
<u>37</u>	EXP	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON K1V 6P5	E/282.5	0.00	<u>67</u>
<u>37</u>	EXP	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON	E/282.5	0.00	<u>67</u>
<u>37</u>	PRT	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON K1V 6P5	E/282.5	0.00	<u>67</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>38</u>	EHS		1565 Heron Rd Ottawa ON K1V9V1	NNE/284.4	3.00	<u>67</u>
<u>39</u>	GEN	WALKELY CLEANERS	1414 WALKLEY ROAD OTTAWA ON K1V 9A8	SSW/291.4	-0.02	<u>68</u>
<u>39</u>	GEN	WALKELY CLEANERS	1414 WALKLEY ROAD OTTAWA ON K1V 6P5	SSW/291.4	-0.02	<u>68</u>
<u>39</u>	GEN	WALKELY CLEANERS 41-124	1414 WALKLEY ROAD OTTAWA ON K1V 9A8	SSW/291.4	-0.02	<u>68</u>
<u>39</u>	SCT	A-1 SIGNS	1440 Walkley Ave Unit F Ottawa ON K1V 6P5	SSW/291.4	-0.02	<u>69</u>
<u>40</u>	SPL	PRIVATE RESIDENCE	REAR OF PLAZA AT 1582 WALKLEY RD GARBAGE BIN AREA (N.O.S.) OTTAWA CITY ON K1V 6P5	E/292.6	-0.31	<u>69</u>
<u>41</u>	BORE		ON	NW/294.7	4.00	<u>69</u>
<u>42</u>	PTTW	Timbercreek Developments Inc.	Herongate 7 Development Address: 2816- 2838 Sandalwood Dr Gore/Gloucester, Ottawa, City District Office: Ottawa Site #: 5408-AJBKHR GLOUCESTER ON	NE/297.8	1.00	<u>70</u>
<u>43</u>	GEN	Gerry Crepin Cartage Limited	2816 Sandalwood Drive Ottawa ON K1V 7P4	NE/298.5	1.00	<u>70</u>
<u>44</u>	BORE		ON	NW/299.8	4.00	<u>70</u>

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 10 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	179.9	<u>15</u>
	ON	194.9	<u>18</u>
	ON	236.4	<u>22</u>
	ON	259.7	<u>27</u>
	ON	265.5	<u>29</u>
	ON	269.4	<u>31</u>
	ON	278.0	<u>34</u>
	ON	280.2	<u>35</u>
	ON	294.7	<u>41</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	299.8	<u>44</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 2 CA 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>
OTTAWA CITY-WALKLEY ARENA COMPLEX	1533 WALKLEY ROAD OTTAWA CITY ON	91.9	<u>10</u>
PUBLIC WORKS & GOVT. SERVICES CANADA	1495 HERON ROAD OTTAWA CITY ON K1V 6A6	222.2	<u>20</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2019 has found that there are 9 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>
	2805, 2898, 2889, 2865 Cedarwood Dr. Ottawa ON K1V 0G8	22.3	<u>3</u>
	2840 Baycrest Dr Ottawa ON K1V7P8	64.5	<u>6</u>
	2805,2898,2889,2865 Cedarwood Dr. Ottawa ON	85.6	<u>8</u>
	2810 Baycrest Drive Ottawa ON K1V 7P7	152.1	<u>13</u>
	1450 Heron Rd Ottawa ON K1V6A5	184.8	<u>16</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Various Residential Addresses (Baycrest Dr., Cedarwood Cr., Sandalwood Dr., Walkley Rd.) Ottawa ON	221.4	<u>19</u>
	Sandalwood Park 2850 Sandalwood Drive Ottawa ON	239.8	<u>24</u>
	1574-1576 Walkley Road Ottawa ON	249.9	<u>25</u>
	1565 Heron Rd Ottawa ON K1V9V1	284.4	<u>38</u>

EXP - List of TSSA Expired Facilities

A search of the EXP database, dated Feb 28, 2017 has found that there are 11 EXP 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>
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON K1V 6P5	282.5	<u>37</u>
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON K1V 6P5	282.5	<u>37</u>
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON	282.5	<u>37</u>
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON K1V 6P5	282.5	<u>37</u>
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON K1V 6P5	282.5	<u>37</u>
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON	282.5	<u>37</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON K1V 6P5	282.5	<u>37</u>
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON	282.5	<u>37</u>
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON	282.5	<u>37</u>
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON K1V 6P5	282.5	<u>37</u>
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON	282.5	<u>37</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Dec 31, 2018 has found that there are 35 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>
OTNIM Properties Ltd.	2861 Baycrest Cres. Ottawa ON K1V 8X8	15.1	<u>1</u>
Minto Management Limited	2861 BAYCREST DR Ottawa ON K1V 8X8	15.1	<u>1</u>
Timbercreek Asset	2870 Cedarwood Drive Suite 100 Ottawa ON K1V 8Y5	156.4	<u>14</u>
Timbercreek Asset	2870 Cedarwood Drive Suite 100 Ottawa ON K1V 8Y5	156.4	<u>14</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Timbercreek Asset	2870 Cedarwood Drive Suite 100 Ottawa ON K1V 8Y5	156.4	<u>14</u>
Timbercreek Asset	2870 Cedarwood Drive Suite 100 Ottawa ON K1V 8Y5	156.4	<u>14</u>
Timbercreek Asset	2870 Cedarwood Drive Suite 100 Ottawa ON	156.4	<u>14</u>
PUBLIC WORKS AND GOV'T SERVICES CANADA	FEDERAL STUDY CENTER 1495 HERON ROAD OTTAWA ON K1V 6A6	222.2	<u>20</u>
Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	222.2	<u>20</u>
BROOKFIELD LEPAGE JOHNSON CONTROLS	FEDERAL STUDY CENTRE 1495 HERON ROAD OTTAWA ON K1V 6A6	222.2	<u>20</u>
Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	222.2	<u>20</u>
PUBLIC WORKS & GOVERNMENT SERVICES CANADA	1495 HERON ROAD FEDERAL STUDY CENTRE OTTAWA ON K1V 6A6	222.2	<u>20</u>
Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	222.2	<u>20</u>
PUBLIC WORKS AND GOV'T SERVICES CANADA	FEDERAL STUDY CENTER 1495 HERON ROAD OTTAWA ON K1V 6A6	222.2	<u>20</u>
Five Star Enterprises	1495 Heron Road Ottawa ON K1V 6A6	222.2	<u>20</u>
Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	222.2	<u>20</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
BETTY BRITE CLEANERS	1574 WALKLEY ROAD OTTAWA ON K1V 6P5	237.3	<u>23</u>
STARLIGHT BUILDING CLEANING SERVICES	1576 WALKLEY ROAD OTTAWA ON K1V 6P5	237.3	<u>23</u>
STARLIGHT BUILDING CLEANING SERVIC	1576 WALKLEY ROAD OTTAWA ON K1V 6P5	237.3	<u>23</u>
BETTY BRITE CLEANERS	1574 WALKLEY ROAD C/O 218 LAURIER AVENUE EAST OTTAWA ON K1V 6P5	237.3	<u>23</u>
BETTY BRITE CLEANERS 05-390	1574 WALKLEY ROAD OTTAWA ON K1V 6P5	237.3	<u>23</u>
OTTAWA R.C. SEPARATE SCHOOL BOARD 29-314	ST. PATRICK'S INTERMEDIATE 1485 HERON RD. OTTAWA ON K1V 6A6	256.8	<u>26</u>
OTTAWA R.C. SEPARATE SCHOOL BOARD	ST. PATRICK'S HIGH SCHOOL 1485 HERON RD. OTTAWA ON K1V 6A6	256.8	<u>26</u>
Ottawa Catholic District School Board	1485 Heron Road Ottawa ON K1V 6A6	256.8	<u>26</u>
OTTAWA-CARLETON CATHOLIC SCHOOL BOARD	ST. PATRICK'S INTERMEDIATE SCHOOL 1485 HERON ROAD OTTAWA ON K1V 6A6	256.8	<u>26</u>
Ottawa Catholic District School Board	1485 Heron Road Ottawa ON K1V 6A6	256.8	<u>26</u>
Ottawa-Carleton Catholic School Board	St. Patrick Intermediate School 1485 Heron Road Ottawa ON K1V 6A6	256.8	<u>26</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Shas Pharmacy Limited	1428 Walkley Road Ottawa ON K1V6P5	266.7	<u>30</u>
Shas Pharmacy Limited	1428 Walkley Road Ottawa ON K1V6P5	266.7	<u>30</u>
Shas Pharmacy Limited	1428 Walkley Road Ottawa ON K1V6P5	266.7	<u>30</u>
Shas Pharmacy Limited	1428 Walkley Road Ottawa ON K1V6P5	266.7	<u>30</u>
WALKELY CLEANERS	1414 WALKLEY ROAD OTTAWA ON K1V 9A8	291.4	<u>39</u>
WALKELY CLEANERS	1414 WALKLEY ROAD OTTAWA ON K1V 6P5	291.4	<u>39</u>
WALKELY CLEANERS 41-124	1414 WALKLEY ROAD OTTAWA ON K1V 9A8	291.4	<u>39</u>
Gerry Crepin Cartage Limited	2816 Sandalwood Drive Ottawa ON K1V 7P4	298.5	<u>43</u>

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 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>
	2845 CEDARWOOD DRIVE, UNIT 48 GLOUCESTER ON	56.6	<u>4</u>

PINC - TSSA Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 1 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>
	2865 Cedarwood Dr. Ottawa ON	56.6	<u>4</u>

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 1 PRT 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>
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON K1V 6P5	282.5	<u>37</u>

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994-Feb 28, 2019 has found that there are 1 PTTW 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>
Timbercreek Developments Inc.	Herongate 7 Development Address: 2816- 2838 Sandalwood Dr Gore/Gloucester, Ottawa, City District Office: Ottawa Site #: 5408-AJBKHR GLOUCESTER ON	297.8	<u>42</u>

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>
ARCPROTEC INC	2847 C SANDALWOOD DR OTTAWA ON K1V 7P4	129.1	<u>12</u>
A-1 SIGNS	1440 Walkley Ave Unit F Ottawa ON K1V 6P5	291.4	<u>39</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Dec 2018 has found that there are 8 SPL site(s) within approximately 0.30 kilometers of the project property.

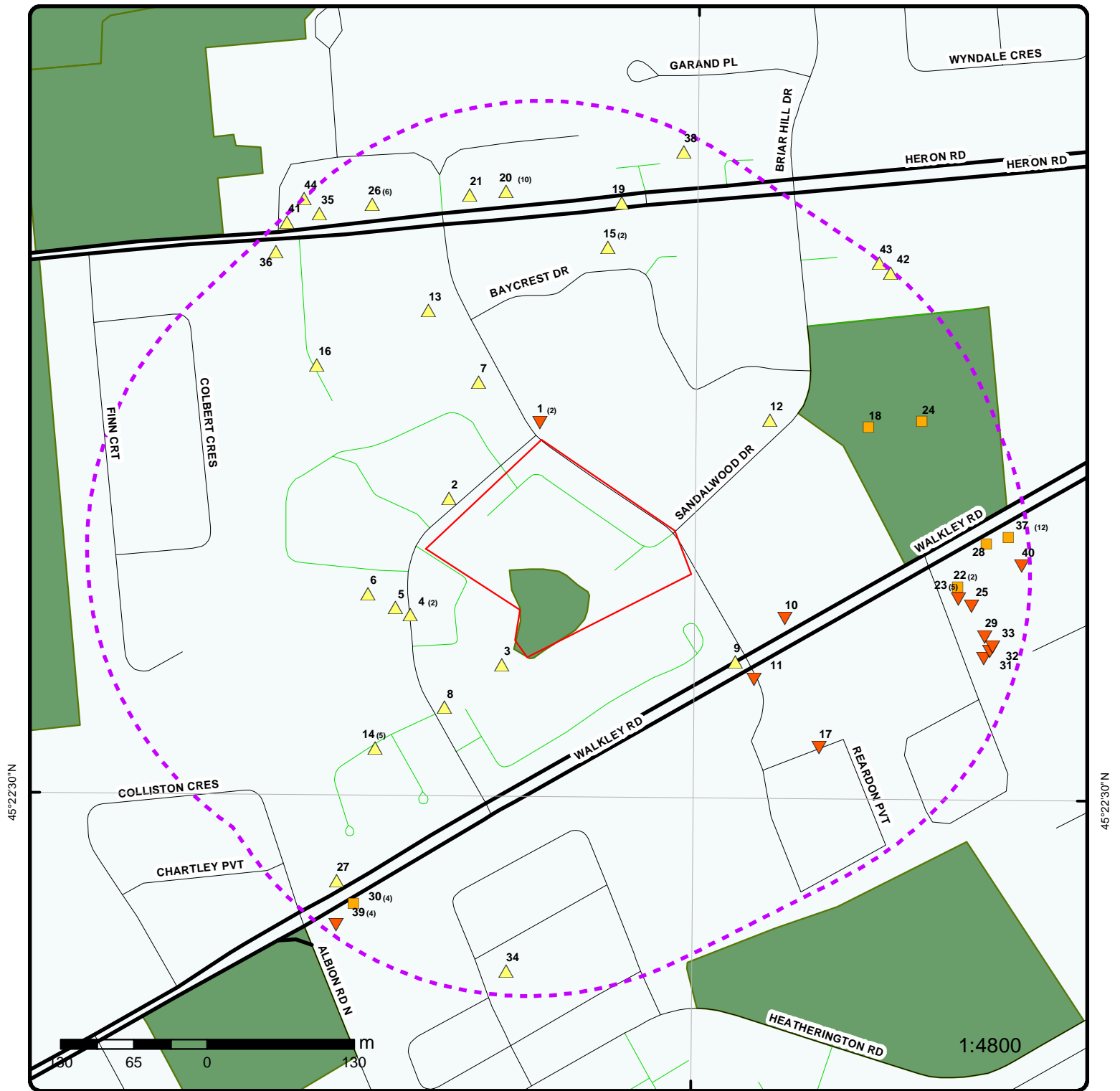
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
S. 21	2832 S Cedarwood Drive Ottawa ON K1V 7R1	18.0	<u>2</u>
PRIVATE RESIDENCE	MINTO MANAGEMENT LTD. 2850 CEDARWOOD DRIVE FURNACE OIL TANK OTTAWA CITY ON	58.5	<u>5</u>
Transglobe Property Management Ltd.	2840 Baycrest Avenue Ottawa ON	75.5	<u>7</u>
OTTAWA, THE CITY OF	1544F BAYCREST (N.O.S.) OTTAWA CITY ON	86.5	<u>9</u>
1258963 Ontario Inc., operating as Condominium Management	Corporation<UNOFFICIAL> 1512 Walkley Road Ottawa ON	190.2	<u>17</u>
PRIVATE OWNER	FEDERAL STUDIES CENTRE, 1491 HERON ROAD. AIR CONDITIONING UNIT OTTAWA CITY ON K1V 6A6	225.8	<u>21</u>
PRIVATE RESIDENCE	1440 HERON ROAD FURNACE OIL TANK OTTAWA CITY ON K1V 0X2	282.4	<u>36</u>
PRIVATE RESIDENCE	REAR OF PLAZA AT 1582 WALKLEY RD GARBAGE BIN AREA (N.O.S.) OTTAWA CITY ON K1V 6P5	292.6	<u>40</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31, 2017 has found that there are 6 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>
	lot A con 4 Ottawa ON	108.3	<u>11</u>

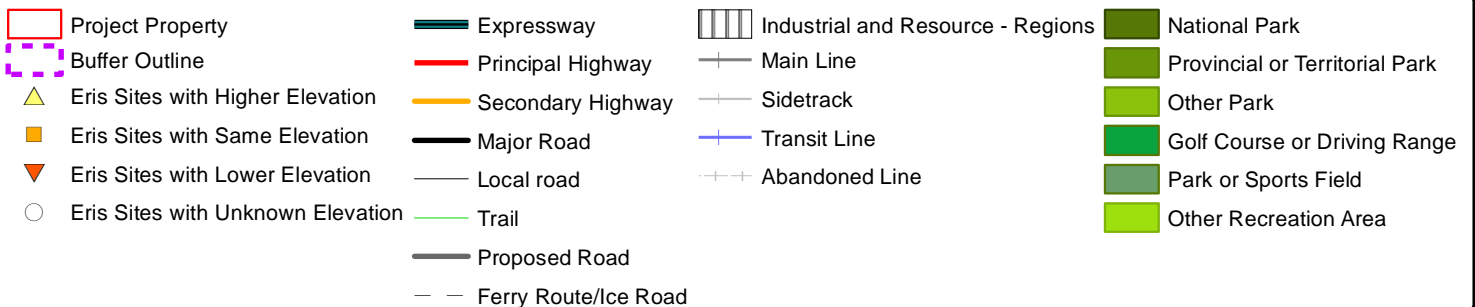
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID: 7276471</i>		
	ON	179.9	<u>15</u>
	<i>Well ID: 1508275</i>		
	ON	236.4	<u>22</u>
	<i>Well ID: 1508970</i>		
	MISSISSAUGA ON	262.8	<u>28</u>
	<i>Well ID: 7154090</i>		
	Ottawa ON	273.0	<u>32</u>
	<i>Well ID: 7248718</i>		
	Ottawa ON	274.0	<u>33</u>
	<i>Well ID: 7248687</i>		



Map : 0.3 Kilometer Radius

Order No: 20190325195

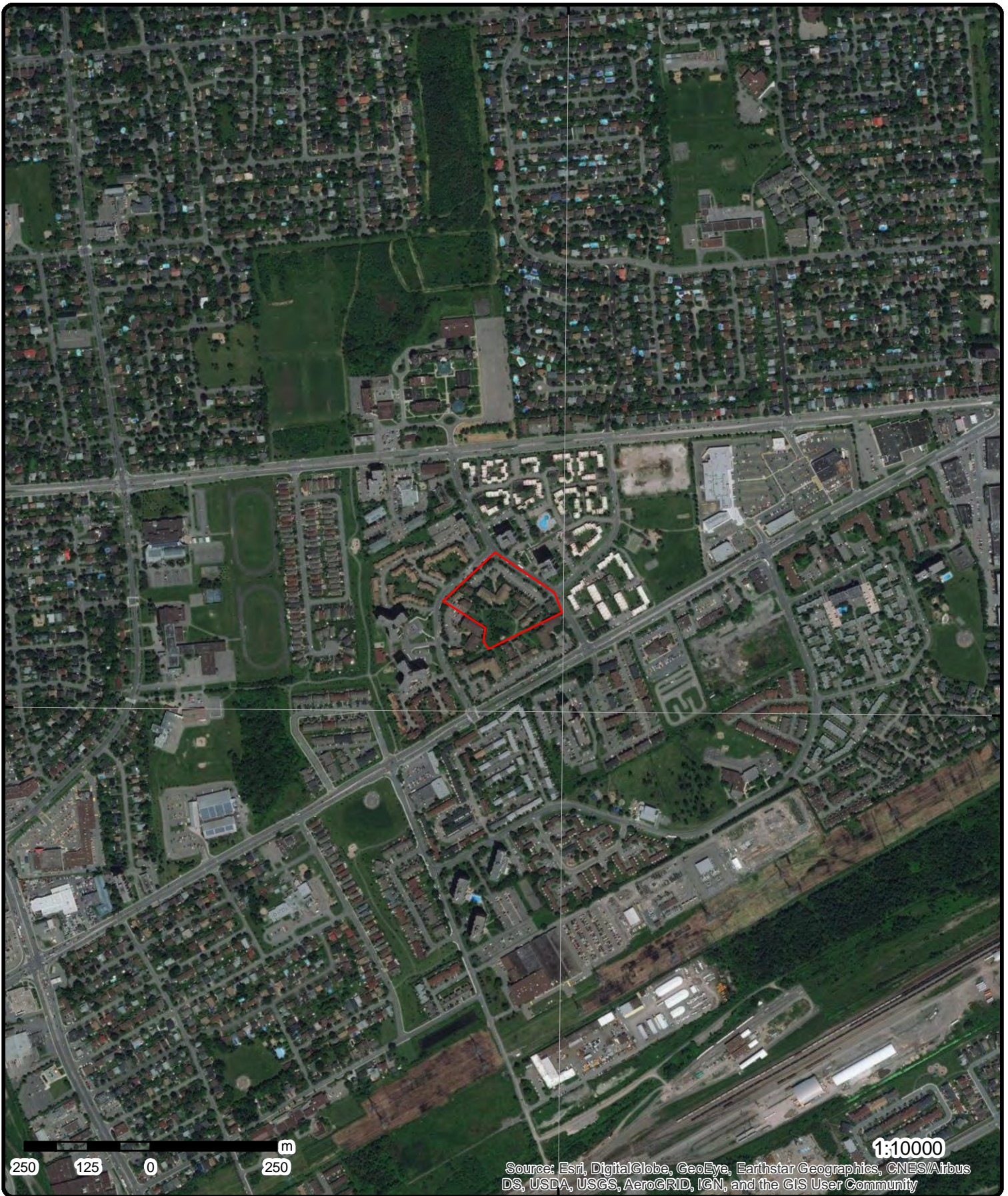
Address: 2845 Cedarwood Drive, Ottawa, ON, K1V 0G6



75°39'W

45°22'30"N

45°22'30"N



Aerial (2017)

Address: 2845 Cedarwood Drive, Ottawa, ON, K1V 0G6

Source: ESRI World Imagery

Order No: 20190325195

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

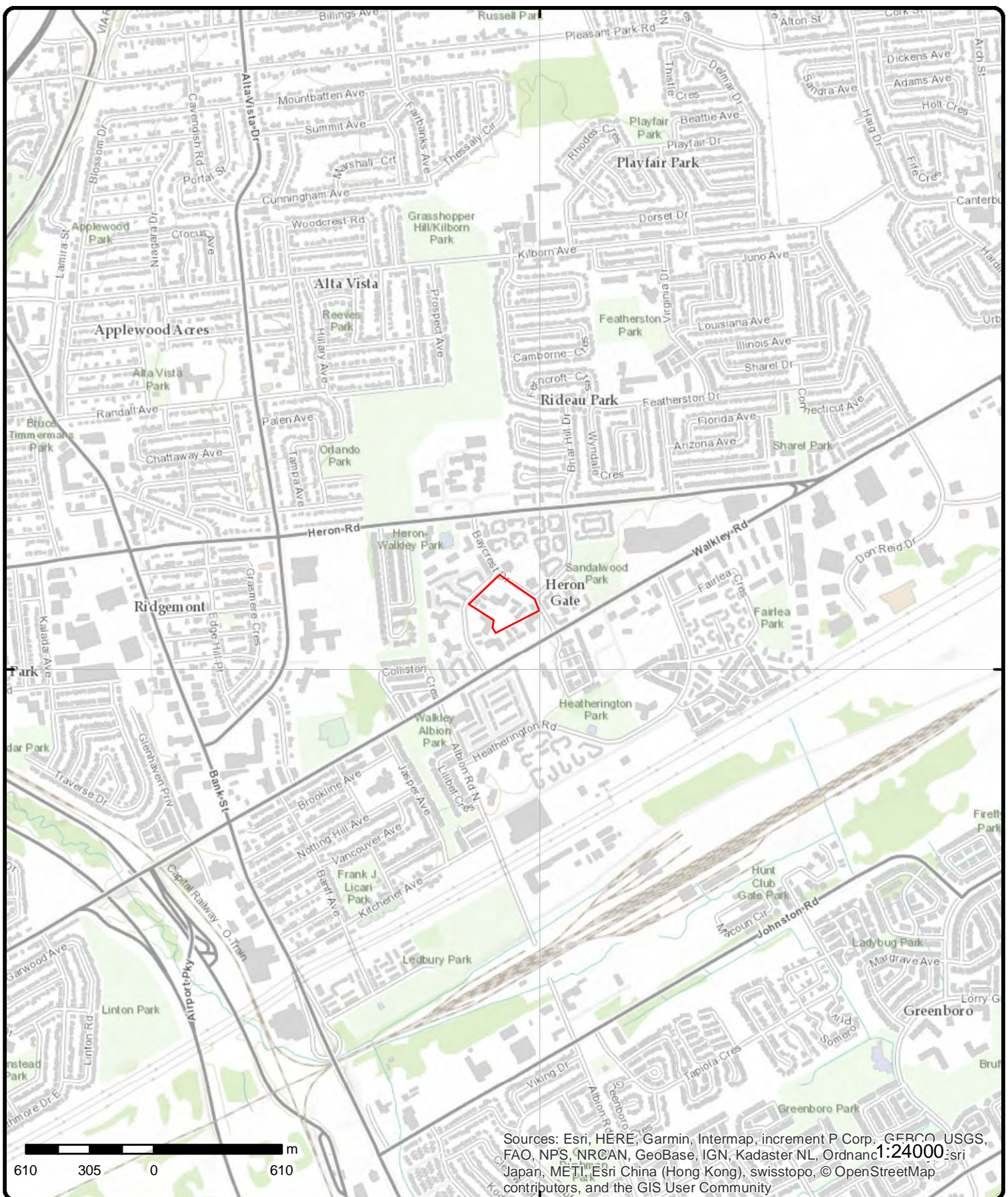


© ERIS Information Limited Partnership

75°39'W

45°22'30"N

45°22'30"N



Topographic Map

Address: 2845 Cedarwood Drive, Ottawa, ON, K1V 0G6

Source: ESRI World Topographic Map

Order No: 20190325195



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 2	WSW/56.6	89.9 / 1.00	2845 CEDARWOOD DRIVE, UNIT 48 GLOUCESTER ON	HINC
External File Num: FS INC 0808-04647 Fuel Occurrence Type: Pipeline Strike Date of Occurrence: 8/9/2008 Fuel Type Involved: Natural Gas Status Desc: Completed - Causal Analysis(End) Job Type Desc: Incident/Near-Miss Occurrence (FS) Oper. Type Involved: Construction Site (pipeline strike) Service Interruptions: Yes Property Damage: Yes Fuel Life Cycle Stage: Transmission, Distribution and Transportation Root Cause: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:Yes Human Factors:No 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:					
4	2 of 2	WSW/56.6	89.9 / 1.00	2865 Cedarwood Dr. Ottawa ON	PINC
Incident ID: 2807866 Incident No: 651110 Type: FS-Pipeline Incident Status Code: Pipeline Damage Reason Est Fuel Occurrence Tp: Pipeline Strike Fuel Type: Natural Gas Tank Status: RC Established Task No: 3461418 Spills Action Centre: Method Details: E-mail Fuel Category: Natural Gas Date of Occurrence: 8/18/2011 0:00 Occurrence Start Date: 2011/09/01 Operation Type: Construction Site (pipeline strike) Pipeline Type: Service / Riser Distribution Pipeline Regulator Type: Service Regulator (up to 60 psi intake) Summary: 2865 Cedarwood Dr. Ottawa - 1" Pipeline Hit Reported By: Armstrong, Alan Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) Occurrence Desc: installing Hydro ducts Damage Reason: Facility was not located or marked Notes: imprudent locate, missed service					
Health Impact: No Environment Impact: No Property Damage: Yes Service Interrupt: Yes Enforce Policy: Yes Public Relation: No Pipeline System: Depth: 36 Pipe Material: Plastic PSIG: 40 Attribute Category: FS-Perform P-line Inc Invest Regualtor Location: Outside					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 2	N/15.1	88.8 / -0.03	OTNIM Properties Ltd. 2861 Baycrest Cres. Ottawa ON K1V 8X8	GEN
Generator No: ON1444754 Status: Approval Years: 05 Contam. Facility: MHSW Facility: SIC Code: 551113 SIC Description: Holding Companies		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:			
--Details--					
Waste Code: 221					
Waste Description: LIGHT FUELS					
1	2 of 2	N/15.1	88.8 / -0.03	Minto Management Limited 2861 BAYCREST DR Ottawa ON K1V 8X8	GEN
Generator No: ON3616892 Status: Approval Years: 05 Contam. Facility: MHSW Facility: SIC Code: 531310 SIC Description: Real Estate Property Managers		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:			
--Details--					
Waste Code: 221					
Waste Description: LIGHT FUELS					
2	1 of 1	WNW/18.0	88.9 / 0.00	S. 21 2832 S Cedarwood Drive Ottawa ON K1V 7R1	SPL
Ref No: 8015-5RGST4 Site No: Incident Dt: 9/17/2003 Year: Incident Cause: Intent - Intentional or planned occurrence Incident Event: Contaminant Code: 12 Contaminant Name: GASOLINE Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Possible Nature of Impact: Soil Contamination Receiving Medium: Land Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 9/17/2003 Dt Document Closed: Incident Reason: Analytical Error Site Name: CATCHBASIN<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: Cedarwood Dr - 10gal gasoline		Discharger Report: Material Group: Oil Health/Env Conseq: Client Type: Sector Type: Other Agency Involved: Nearest Watercourse: Site Address: Site District Office: Ottawa Site Postal Code: Site Region: Eastern Site Municipality: Ottawa Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Spill to Land Source Type:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Qty:		45.5 L			
3	1 of 1	SSW/22.3	90.0 / 1.08	2805, 2898, 2889, 2865 Cedarwood Dr. Ottawa ON K1V 0G8	EHS
Order No:		20060907037	Nearest Intersection:		
Status:		C	Municipality:		
Report Type:		Custom Report	Client Prov/State:		ON
Report Date:		9/13/2006	Search Radius (km):		0.75
Date Received:		9/5/2006	X:		-75.652165
Previous Site Name:			Y:		45.37605
Lot/Building Size:					
Additional Info Ordered:					
5	1 of 1	WSW/58.5	89.8 / 0.94	PRIVATE RESIDENCE MINTO MANAGEMENT LTD. 2850 CEDARWOOD DRIVE FURNACE OIL TANK OTTAWA CITY ON	SPL
Ref No:		170587	Discharger Report:		
Site No:			Material Group:		
Incident Dt:		7/22/1999	Health/Env Conseq:		
Year:			Client Type:		
Incident Cause:		CONTAINER OVERFLOW	Sector Type:		
Incident Event:			Agency Involved:		
Contaminant Code:			Nearest Watercourse:		
Contaminant Name:			Site Address:		
Contaminant Limit 1:			Site District Office:		
Contam Limit Freq 1:			Site Postal Code:		
Contaminant UN No 1:			Site Region:		
Environment Impact:		NOT ANTICIPATED	Site Municipality:		20101
Nature of Impact:			Site Lot:		
Receiving Medium:		LAND	Site Conc:		
Receiving Env:			Northing:		
MOE Response:			Easting:		W/D
Dt MOE Arvl on Scn:			Site Geo Ref Accu:		
MOE Reported Dt:		7/23/1999	Site Map Datum:		
Dt Document Closed:			SAC Action Class:		
Incident Reason:		ERROR	Source Type:		
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:		PRIVATE RESIDENCE: SPILL OF 3 L FURNACE OIL TO GND OVERFLOW DUE TO HEAT			
Contaminant Qty:					
6	1 of 1	WSW/64.5	90.6 / 1.69	2840 Baycrest Dr Ottawa ON K1V7P8	EHS
Order No:		20160607007	Nearest Intersection:		
Status:		C	Municipality:		
Report Type:		Custom Report	Client Prov/State:		ON
Report Date:		10-JUN-16	Search Radius (km):		.25
Date Received:		07-JUN-16	X:		-75.653681
Previous Site Name:			Y:		45.37661
Lot/Building Size:					
Additional Info Ordered:					
7	1 of 1	NNW/75.5	90.0 / 1.08	Transglobe Property Management Ltd. 2840 Baycrest Avenue	SPL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Ottawa ON					
Ref No:	5631-8S82Y5			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	08-MAR-12			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Unknown			Sector Type:	Unknown
Incident Event:				Agency Involved:	
Contaminant Code:	13			Nearest Watercourse:	
Contaminant Name:	HYDROCARBON LIGHT			Site Address:	2840 Baycrest Avenue
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	Confirmed			Site Municipality:	Ottawa
Nature of Impact:	Other Impact(s)			Site Lot:	
Receiving Medium:	Sewage - Municipal/Private and Commercial			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	08-MAR-12			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	Land Spills
Incident Reason:	Unknown - Reason not determined			Source Type:	
Site Name:	Underground parking of residential apartment building<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	Apartment Bldg garage, hydrocarbon discharge to sewer				
Contaminant Qty:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Dt Document Closed: Incident Reason: UNKNOWN Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: OTTAWA CITY: SML QTY OF HYDRAULIC OIL TO C/B. CONTAINED AND CLEANED. Contaminant Qty:					
SAC Action Class: Source Type:					
10	1 of 1	ESE/91.9	88.2 / -0.69	OTTAWA CITY-WALKLEY ARENA COMPLEX 1533 WALKLEY ROAD OTTAWA CITY ON	CA
Certificate #: 3-1071-90- Application Year: 90 Issue Date: 6/20/1990 Approval Type: Municipal sewage Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
11	1 of 1	SE/108.3	87.8 / -1.12	lot A con 4 Ottawa ON	WWIS
Well ID: 7276471 Construction Date: Primary Water Use: Monitoring Sec. Water Use: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: Z235711 Tag: A206829 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: 12/6/2016 Selected Flag: Yes Abandonment Rec: Contractor: 7579 Form Version: 7 Owner: Street Name: 1128 WALKLEY RD County: OTTAWA-CARLETON Municipality: GLOUCESTER TOWNSHIP Site Info: Lot: A Concession: 04 Concession Name: RF Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
<u>Bore Hole Information</u>					
Bore Hole ID: 1006302359 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 23-NOV-16 Remarks:					
Elevation: 89.2 Elevrc: Zone: 18 East83: 449160 North83: 5024920 Org CS: UTM83 UTMRC: 5 UTMRC Desc: margin of error : 100 m - 300 m Location Method: gis					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006469537			
Layer:		1			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Other Materials:		SILT			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		0			
Formation End Depth:		14			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006469545			
Layer:		2			
Plug From:		4			
Plug To:		14			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006469544			
Layer:		1			
Plug From:		0			
Plug To:		4			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006469543			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006469536			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006469540			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material: 5 Open Hole or Material: PLASTIC Depth From: 0 Depth To: 4 Casing Diameter: 2 Casing Diameter UOM: inch Casing Depth UOM: ft					
<u>Construction Record - Screen</u>					
Screen ID: 1006469541 Layer: 1 Slot: Screen Top Depth: 4 Screen End Depth: 14 Screen Material: 5 Screen Depth UOM: ft Screen Diameter UOM: inch Screen Diameter: 2					
<u>Water Details</u>					
Water ID: 1006469539 Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UOM: ft					
<u>Hole Diameter</u>					
Hole ID: 1006469538 Diameter: 3.25 Depth From: 0 Depth To: 14 Hole Depth UOM: ft Hole Diameter UOM: inch					
<u>12</u>	1 of 1	ENE/129.1	89.9 / 1.00	ARCPROTEC INC 2847 C SANDALWOOD DR OTTAWA ON K1V 7P4	SCT
Established: 1989 Plant Size (ft²): Employment: 2					
--Details--					
Description: COMPUTER STORAGE DEVICES SIC/NAICS Code: 3572					
<u>13</u>	1 of 1	NNW/152.1	89.9 / 1.00	2810 Baycrest Drive Ottawa ON K1V 7P7	EHS
Order No: 20090727019 Status: C Report Type: Standard Report Report Date: 8/5/2009 Date Received: 7/27/2009 Previous Site Name: Lot/Building Size: lot: 1.12 acres					
Nearest Intersection: Baycrest Drive and Heron Road Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -75.653026 Y: 45.378869					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans; City Directory			
14	1 of 5	SW/156.4	89.9 / 1.00	Timbercreek Asset 2870 Cedarwood Drive Suite 100 Ottawa ON K1V 8Y5	GEN
Generator No:		ON6858724		PO Box No:	
Status:				Country: Canada	
Approval Years:		2016		Choice of Contact: CO_OFFICIAL	
Contam. Facility:		No		Co Admin: John Loubser	
MHSW Facility:		No		Phone No Admin: (613) 656-8026 Ext.	
SIC Code:		531310			
SIC Description:		REAL ESTATE PROPERTY MANAGERS			
--Details--					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		113			
Waste Description:		ACID WASTE - OTHER METALS			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
14	2 of 5	SW/156.4	89.9 / 1.00	Timbercreek Asset 2870 Cedarwood Drive Suite 100 Ottawa ON K1V 8Y5	GEN
Generator No:		ON6858724		PO Box No:	
Status:		Registered		Country: Canada	
Approval Years:		As of Dec 2018		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
--Details--					
Waste Code:		113 C			
Waste Description:		Acid solutions - containing other metals and non-metals			
Waste Code:		122 C			
Waste Description:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
Waste Code:		213 I			
Waste Description:		Petroleum distillates			
Waste Code:		331 I			
Waste Description:		Waste compressed gases including cylinders			
14	3 of 5	SW/156.4	89.9 / 1.00	Timbercreek Asset 2870 Cedarwood Drive Suite 100 Ottawa ON K1V 8Y5	GEN
Generator No:		ON6858724		PO Box No:	
Status:				Country: Canada	
Approval Years:		2014		Choice of Contact: CO_OFFICIAL	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam. Facility: MHSW Facility: SIC Code: SIC Description:	No No 531310			Co Admin: Phone No Admin:	Blair Spencer 613-739-9508 Ext.
		REAL ESTATE PROPERTY MANAGERS			
--Details--					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		113			
Waste Description:		ACID WASTE - OTHER METALS			
<hr/>					
14	4 of 5	SW/156.4	89.9 / 1.00	Timbercreek Asset 2870 Cedarwood Drive Suite 100 Ottawa ON K1V 8Y5	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON6858724 2015 No No 531310			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada CO_OFFICIAL John Loubser (613) 656-8026 Ext.
		REAL ESTATE PROPERTY MANAGERS			
--Details--					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		113			
Waste Description:		ACID WASTE - OTHER METALS			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
<hr/>					
14	5 of 5	SW/156.4	89.9 / 1.00	Timbercreek Asset 2870 Cedarwood Drive Suite 100 Ottawa ON	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON6858724 2013 531310			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
		REAL ESTATE PROPERTY MANAGERS			
--Details--					
Waste Code:		113			
Waste Description:		ACID WASTE - OTHER METALS			
Waste Code:		122			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
15	1 of 2	N/179.9	90.9 / 2.02	ON	BORE
Borehole ID:		612840	Type:		Borehole
Use:			Status:		
Drill Method:			UTM Zone:		18
Easting:		449031	Northing:		5025302
Location Accuracy:			Orig. Ground Elev m:		94.5
Elev. Reliability Note:			DEM Ground Elev m:		94.9
Total Depth m:		26.5	Primary Name:		
Township:			Concession:		
Lot:			Municipality:		
Completion Date:		AUG-1955	Static Water Level:		27.4
Primary Water Use:			Sec. Water Use:		
--Details--					
Stratum ID:		218392678	Top Depth(m):		0.0
Bottom Depth(m):		4.6	Stratum Desc:		CLAY.
Stratum ID:		218392679	Top Depth(m):		4.6
Bottom Depth(m):		26.5	Stratum Desc:		SHALE. 00068RED. CLAY. SOFT. TILL. COMPACT. BEDROCK. ERED, WATER STABLE AT 220.0 FE
15	2 of 2	N/179.9	90.9 / 2.02	ON	WWIS
Well ID:		1508275	Data Entry Status:		
Construction Date:			Data Src:		1
Primary Water Use:		Domestic	Date Received:		10/20/1955
Sec. Water Use:		0	Selected Flag:		Yes
Final Well Status:		Water Supply	Abandonment Rec:		
Water Type:			Contractor:		4216
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:					
<u>Bore Hole Information</u>					
Bore Hole ID:		10030310	Elevation:		94.91
DP2BR:		15	Elevrc:		
Spatial Status:			Zone:		18

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB:	r			East83:	449030.7
Code OB Desc:	Bedrock			North83:	5025302
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	09-AUG-55			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:		931009234			
Layer:		1			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		15			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931009235			
Layer:		2			
Color:					
General Color:					
Mat1:		17			
Most Common Material:		SHALE			
Mat2:		15			
Other Materials:		LIMESTONE			
Mat3:					
Other Materials:					
Formation Top Depth:		15			
Formation End Depth:		87			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961508275			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10578880			
Casing No:		1			
Comment:					
Alt Name:					

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

Casing ID: 930053276
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 21
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053277
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 87
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508275
Pump Set At:
Static Level: 12
Final Level After Pumping: 87
Recommended Pump Depth:
Pumping Rate: 1
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 15
Flowing: N

Water Details

Water ID: 933462705
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 68
Water Found Depth UOM: ft

[16](#)

1 of 1

NW/184.8

91.6 / 2.72

1450 Heron Rd
Ottawa ON K1V6A5

EHS

Order No: 20170118018
Status: C
Report Type: Standard Report
Report Date: 24-JAN-17
Date Received: 18-JAN-17
Previous Site Name:
Lot/Building Size:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.654286
Y: 45.378428

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans; City Directory			
17	1 of 1	SE/190.2	87.9 / -1.00	1258963 Ontario Inc., operating as Condominium Management Corporation<UNOFFICIAL> 1512 Walkley Road Ottawa ON	SPL
Ref No: 1440-A82UPA Site No: NA Incident Dt: 2016/03/14 Year: Incident Cause: Incident Event: Operator/Human error Contaminant Code: 13 Contaminant Name: HYDROCARBON LIGHT Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: Land MOE Response: No Dt MOE Arvl on Scn: MOE Reported Dt: 2016/03/14 Dt Document Closed: Incident Reason: Equipment Failure Site Name: Oil leaking from commercial van to CB. <UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: City of Ottawa: commercial van leaking oil to CB. Walkley Rd. 50 L Contaminant Qty:		Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Other Agency Involved: Nearest Watercourse: Site Address: 1512 Walkley Road Site District Office: Site Postal Code: Site Region: Site Municipality: Ottawa Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Watercourse Spills Source Type:			
18	1 of 1	ENE/194.9	88.9 / 0.00	ON	BORE
Borehole ID: 802471 Use: Geotechnical/Geological Investigation Drill Method: Hollow stem auger Easting: 449261.49 Location Accuracy: Elev. Reliability Note: Total Depth m: 4.2 Township: Lot: Completion Date: 21-SEP-1978 Primary Water Use:		Type: Borehole Status: UTM Zone: 18 Northing: 5025143.54 Orig. Ground Elev m: 28.8 DEM Ground Elev m: 90.8 Primary Name: BH 1 Concession: Municipality: Static Water Level: -999.9 Sec. Water Use:			
--Details--					
Stratum ID: 218572233 Bottom Depth(m): 0.2		Top Depth(m): 0.0 Stratum Desc: Topsoil			
Stratum ID: 218572234 Bottom Depth(m): 1.1		Top Depth(m): 0.2 Stratum Desc: Grey-Brown Very Stiff Weathered Crust Silty Clay			
Stratum ID: 218572235 Bottom Depth(m): 4.2		Top Depth(m): 1.1 Stratum Desc: Dark Brown to Grey Compact Till Silt - Sand With: Gr Trace: Cl			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	1 of 1	N/221.4	90.8 / 1.96	Various Residential Addresses (Baycrest Dr., Cedarwood Cr., Sandalwood Dr., Walkley Rd.) Ottawa ON	EHS
Order No: 20100609014 Status: C Report Type: Custom Report Report Date: 6/14/2010 Date Received: 6/9/2010 Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -75.650851 Y: 45.379737			
20	1 of 10	N/222.2	90.8 / 1.97	PUBLIC WORKS & GOVT. SERVICES CANADA 1495 HERON ROAD OTTAWA CITY ON K1V 6A6	CA
Certificate #: 8-4236-99- Application Year: 99 Issue Date: 12/2/1999 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: INSTALL (2) 300KW STANDBY GENERATORS-Y2K Contaminants: Emission Control:					
20	2 of 10	N/222.2	90.8 / 1.97	PUBLIC WORKS AND GOV'T SERVICES CANADA FEDERAL STUDY CENTER 1495 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No: ON1765016 Status: Approval Years: 99 Contam. Facility: MHSW Facility: SIC Code: 8159 SIC Description: OTHER GEN. ADMIN.		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:			
--Details-- Waste Code: 243 Waste Description: PCB'S Waste Code: 252 Waste Description: WASTE OILS & LUBRICANTS					
20	3 of 10	N/222.2	90.8 / 1.97	Public Works and Government Services Canada 1495 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No: ON0554836 Status: Approval Years: 2009 Contam. Facility:		PO Box No: Country: Choice of Contact: Co Admin:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
MHSW Facility: SIC Code: SIC Description:	911910			Phone No Admin: Other Federal Government Public Administration	
--Details--					
Waste Code: Waste Description:			331 WASTE COMPRESSED GASES		
Waste Code: Waste Description:			113 ACID WASTE - OTHER METALS		
Waste Code: Waste Description:			122 ALKALINE WASTES - OTHER METALS		
Waste Code: Waste Description:			146 OTHER SPECIFIED INORGANICS		
Waste Code: Waste Description:			212 ALIPHATIC SOLVENTS		
Waste Code: Waste Description:			242 HALOGENATED PESTICIDES		
Waste Code: Waste Description:			243 PCBS		
Waste Code: Waste Description:			251 OIL SKIMMINGS & SLUDGES		
Waste Code: Waste Description:			252 WASTE OILS & LUBRICANTS		
Waste Code: Waste Description:			263 ORGANIC LABORATORY CHEMICALS		

20	4 of 10	N/222.2	90.8 / 1.97	BROOKFIELD LEPAGE JOHNSON CONTROLS FEDERAL STUDY CENTRE 1495 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON0554836 99,00,01 7512			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
NON-RES. BLDG. OPER.					
--Details--					
Waste Code: Waste Description:			122 ALKALINE WASTES - OTHER METALS		
Waste Code: Waste Description:			146 OTHER SPECIFIED INORGANICS		
Waste Code: Waste Description:			212 ALIPHATIC SOLVENTS		
Waste Code: Waste Description:			213 PETROLEUM DISTILLATES		
Waste Code: Waste Description:			251 OIL SKIMMINGS & SLUDGES		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code: 252 Waste Description: WASTE OILS & LUBRICANTS Waste Code: 145 Waste Description: PAINT/PIGMENT/COATING RESIDUES					
20	5 of 10	N/222.2	90.8 / 1.97	Public Works and Government Services Canada 1495 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No: ON0554836 Status: Approval Years: 03,04,06,07,08 Contam. Facility: MHSW Facility: SIC Code: 911910 SIC Description: Other Fed. Government Public Administration PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
--Details--					
Waste Code: 113 Waste Description: ACID WASTE - OTHER METALS Waste Code: 122 Waste Description: ALKALINE WASTES - OTHER METALS Waste Code: 145 Waste Description: PAINT/PIGMENT/COATING RESIDUES Waste Code: 146 Waste Description: OTHER SPECIFIED INORGANICS Waste Code: 212 Waste Description: ALIPHATIC SOLVENTS Waste Code: 213 Waste Description: PETROLEUM DISTILLATES Waste Code: 242 Waste Description: HALOGENATED PESTICIDES Waste Code: 243 Waste Description: PCB'S Waste Code: 251 Waste Description: OIL SKIMMINGS & SLUDGES Waste Code: 252 Waste Description: WASTE OILS & LUBRICANTS Waste Code: 263 Waste Description: ORGANIC LABORATORY CHEMICALS Waste Code: 331 Waste Description: WASTE COMPRESSED GASES					
20	6 of 10	N/222.2	90.8 / 1.97	PUBLIC WORKS & GOVERNMENT SERVICES CANADA 1495 HERON ROAD FEDERAL STUDY CENTRE OTTAWA ON K1V 6A6	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON1765016 95,96,97,98 8159	OTHER GEN. ADMIN.		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
--Details--					
Waste Code: Waste Description:		243 PCB'S			
Waste Code: Waste Description:		252 WASTE OILS & LUBRICANTS			
20	7 of 10	N/222.2	90.8 / 1.97	Public Works and Government Services Canada 1495 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON0554836 2010 911910	Other Federal Government Public Administration		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
--Details--					
Waste Code: Waste Description:		112 ACID WASTE - HEAVY METALS			
Waste Code: Waste Description:		212 ALIPHATIC SOLVENTS			
Waste Code: Waste Description:		113 ACID WASTE - OTHER METALS			
Waste Code: Waste Description:		122 ALKALINE WASTES - OTHER METALS			
Waste Code: Waste Description:		252 WASTE OILS & LUBRICANTS			
Waste Code: Waste Description:		146 OTHER SPECIFIED INORGANICS			
Waste Code: Waste Description:		331 WASTE COMPRESSED GASES			
Waste Code: Waste Description:		243 PCBS			
Waste Code: Waste Description:		263 ORGANIC LABORATORY CHEMICALS			
Waste Code: Waste Description:		242 HALOGENATED PESTICIDES			
Waste Code: Waste Description:		251 OIL SKIMMINGS & SLUDGES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	8 of 10	N/222.2	90.8 / 1.97	PUBLIC WORKS AND GOV'T SERVICES CANADA FEDERAL STUDY CENTER 1495 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No:	ON1765016			PO Box No:	
Status:				Country:	
Approval Years:	00,01			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	8159				
SIC Description:		OTHER GEN. ADMIN.			
--Details--					
Waste Code:		243			
Waste Description:		PCB'S			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
20	9 of 10	N/222.2	90.8 / 1.97	Five Star Enterprises 1495 Heron Road Ottawa ON K1V 6A6	GEN
Generator No:	ON2687105			PO Box No:	
Status:				Country:	
Approval Years:	03,04			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
20	10 of 10	N/222.2	90.8 / 1.97	Public Works and Government Services Canada 1495 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No:	ON0554836			PO Box No:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	911910				
SIC Description:		Other Federal Government Public Administration			
--Details--					
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:		113			
Waste Description:		ACID WASTE - OTHER METALS			
Waste Code:		242			
Waste Description:		HALOGENATED PESTICIDES			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		243			
Waste Description:		PCBS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
21	1 of 1	NNW/225.8	90.8 / 1.94	PRIVATE OWNER FEDERAL STUDIES CENTRE, 1491 HERON ROAD. AIR CONDITIONING UNIT OTTAWA CITY ON K1V 6A6	SPL
Ref No:	211723			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	7/6/2001			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	COOLING SYSTEM LEAK			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	Not Anticipated			Site Municipality:	20107
Nature of Impact:				Site Lot:	
Receiving Medium:	Air			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	9/18/2001			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	MATERIAL FAILURE			Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	BROOKVILLE LEPASSE: LEAK OF HALOCARBONS FROM OLD A/C UNIT, APP. 50 LBS				
Contaminant Qty:					
22	1 of 2	E/236.4	88.9 / 0.00	ON	BORE
Borehole ID:	612800			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	449341			Northing:	5025002
Location Accuracy:				Orig. Ground Elev m:	88.4
Elev. Reliability Note:				DEM Ground Elev m:	87.9
Total Depth m:	35.4			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	JUN-1953			Static Water Level:	-999.9

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Primary Water Use:				Sec. Water Use:	
--Details--					
Stratum ID:	218392547			Top Depth(m):	0.0
Bottom Depth(m):	6.1			Stratum Desc:	CLAY. BLUE.
Stratum ID:	218392548			Top Depth(m):	6.1
Bottom Depth(m):	35.4			Stratum Desc:	SLATE. BLACK. 00090FISSURED. CLAY. BROWN,GREY,VERY STIFF TO HARD,FISSURED. CLAY. BROWN,GREY
22	2 of 2	E/236.4	88.9 / 0.00	ON	WWIS
Well ID:	1508970			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	7/7/1953
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3725
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:	10031004			Elevation:	87.92
DP2BR:	20			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	449340.7
Code OB Desc:	Bedrock			North83:	5025002
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	06-JUN-53			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
Overburden and Bedrock					
Materials Interval					
Formation ID:	931011108				
Layer:	2				
Color:	8				
General Color:	BLACK				
Mat1:	19				
Most Common Material:	SLATE				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		20			
Formation End Depth:		116			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931011107			
Layer:		1			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		20			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961508970			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10579574			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930054648			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		116			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930054647			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		20			
Casing Diameter:		4			
Casing Diameter UOM:		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991508970			
Pump Set At:					
Static Level:		20			
Final Level After Pumping:		22			
Recommended Pump Depth:					
Pumping Rate:		4			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		N			
<u>Water Details</u>					
Water ID:		933463696			
Layer:		2			
Kind Code:		3			
Kind:		SULPHUR			
Water Found Depth:		90			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933463695			
Layer:		1			
Kind Code:		4			
Kind:		MINERIAL			
Water Found Depth:		80			
Water Found Depth UOM:		ft			
23	1 of 5	E/237.3	88.2 / -0.69	BETTY BRITE CLEANERS 1574 WALKLEY ROAD OTTAWA ON K1V 6P5	GEN
Generator No:	ON0318803			PO Box No:	
Status:				Country:	
Approval Years:	90,98			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	9721				
SIC Description:		POWER LAUND./CLEANER			
<u>--Details--</u>					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
23	2 of 5	E/237.3	88.2 / -0.69	STARLIGHT BUILDING CLEANING SERVICES 1576 WALKLEY ROAD OTTAWA ON K1V 6P5	GEN
Generator No:	ON0449900			PO Box No:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: Approval Years: 92,93,94 Contam. Facility: MHSW Facility: SIC Code: 0000 SIC Description: *** NOT DEFINED ***					
Country: Choice of Contact: Co Admin: Phone No Admin:					
23	3 of 5	E/237.3	88.2 / -0.69	STARLIGHT BUILDING CLEANING SERVIC 1576 WALKLEY ROAD OTTAWA ON K1V 6P5	GEN
Generator No: ON0449900 Status: Approval Years: 86,87,88,89,90 Contam. Facility: MHSW Facility: SIC Code: 0000 SIC Description: *** NOT DEFINED ***					
PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
23	4 of 5	E/237.3	88.2 / -0.69	BETTY BRITE CLEANERS 1574 WALKLEY ROAD C/O 218 LAURIER AVENUE EAST OTTAWA ON K1V 6P5	GEN
Generator No: ON0318803 Status: Approval Years: 86,87,88,89 Contam. Facility: MHSW Facility: SIC Code: 9721 SIC Description: POWER LAUND./CLEANERS					
PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
--Details-- Waste Code: 241 Waste Description: HALOGENATED SOLVENTS					
23	5 of 5	E/237.3	88.2 / -0.69	BETTY BRITE CLEANERS 05-390 1574 WALKLEY ROAD OTTAWA ON K1V 6P5	GEN
Generator No: ON0318803 Status: Approval Years: 92,93,94,95,96,97 Contam. Facility: MHSW Facility: SIC Code: 9721 SIC Description: POWER LAUND./CLEANER					
PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
--Details-- Waste Code: 241 Waste Description: HALOGENATED SOLVENTS					
24	1 of 1	ENE/239.8	88.9 / 0.00	Sandalwood Park 2850 Sandalwood Drive Ottawa ON	EHS
Order No: 20160331098 Status: C					
Nearest Intersection: Municipality:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Type: Standard Report Report Date: 06-APR-16 Date Received: 31-MAR-16 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Client Prov/State: ON Search Radius (km): .25 X: -75.647433 Y: 45.378017					
25	1 of 1	E/249.9	88.2 / -0.68	1574-1576 Walkley Road Ottawa ON	EHS
Order No: 20110113041 Status: C Report Type: Custom Report Report Date: 1/20/2011 Date Received: 1/13/2011 4:35:38 PM Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -75.646856 Y: 45.376548					
26	1 of 6	NNW/256.8	91.9 / 3.00	OTTAWA R.C. SEPARATE SCHOOL BOARD 29-314 ST. PATRICK'S INTERMEDIATE 1485 HERON RD. OTTAWA ON K1V 6A6	GEN
Generator No: ON0426401 Status: Approval Years: 92,93,94,95,96 Contam. Facility: MHSW Facility: SIC Code: 8511 SIC Description: ELEMNT./SECON. EDUC.					
PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
--Details--					
Waste Code: 148 Waste Description: INORGANIC LABORATORY CHEMICALS					
Waste Code: 263 Waste Description: ORGANIC LABORATORY CHEMICALS					
26	2 of 6	NNW/256.8	91.9 / 3.00	OTTAWA R.C. SEPARATE SCHOOL BOARD ST. PATRICK'S HIGH SCHOOL 1485 HERON RD. OTTAWA ON K1V 6A6	GEN
Generator No: ON0426401 Status: Approval Years: 86,87,88,89,90 Contam. Facility: MHSW Facility: SIC Code: 0000 SIC Description: *** NOT DEFINED ***					
PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
--Details--					
Waste Code: 263 Waste Description: ORGANIC LABORATORY CHEMICALS					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
26	3 of 6	NNW/256.8	91.9 / 3.00	Ottawa Catholic District School Board 1485 Heron Road Ottawa ON K1V 6A6	GEN
Generator No:	ON9993594			PO Box No:	
Status:				Country:	
Approval Years:	2009			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	611110				
SIC Description:	Elementary and Secondary Schools				
--Details--					
Waste Code:	145				
Waste Description:	PAINT/PIGMENT/COATING RESIDUES				
Waste Code:	148				
Waste Description:	INORGANIC LABORATORY CHEMICALS				
Waste Code:	263				
Waste Description:	ORGANIC LABORATORY CHEMICALS				
26	4 of 6	NNW/256.8	91.9 / 3.00	OTTAWA-CARLETON CATHOLIC SCHOOL BOARD ST. PATRICK'S INTERMEDIATE SCHOOL 1485 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No:	ON0426401			PO Box No:	
Status:				Country:	
Approval Years:	97,98,99,00,01			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	5 of 6	NNW/256.8	91.9 / 3.00	Ottawa Catholic District School Board 1485 Heron Road Ottawa ON K1V 6A6	GEN
Generator No:	ON3269013			PO Box No:	
Status:				Country:	
Approval Years:	07,08			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	611110				
SIC Description:	Elementary and Secondary Schools				
--Details--					
Waste Code:	148				
Waste Description:	INORGANIC LABORATORY CHEMICALS				
Waste Code:	263				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Description:		ORGANIC LABORATORY CHEMICALS			
26	6 of 6	NNW/256.8	91.9 / 3.00	Ottawa-Carleton Catholic School Board St. Patrick Intermediate School 1485 Heron Road Ottawa ON K1V 6A6	GEN
Generator No:		ON1478397		PO Box No:	
Status:				Country:	
Approval Years:		02,03,04		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
--Details--					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		243			
Waste Description:		PCB'S			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
27	1 of 1	SW/259.7	89.4 / 0.52	ON	BORE
Borehole ID:		612774		Type:	
Use:				Status:	
Drill Method:				UTM Zone:	
Easting:		448791		Northing:	
Location Accuracy:				Orig. Ground Elev m:	
Elev. Reliability Note:				DEM Ground Elev m:	
Total Depth m:		2.7		Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:		JUN-1962		Static Water Level:	
Primary Water Use:				Sec. Water Use:	
--Details--					
Stratum ID:		218392439		Top Depth(m):	
Bottom Depth(m):		0.9		Stratum Desc:	
Stratum ID:		218392440		Top Depth(m):	
Bottom Depth(m):		1.2		Stratum Desc:	
Stratum ID:		218392441		Top Depth(m):	
Bottom Depth(m):		1.8		Stratum Desc:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum ID:	218392442			Top Depth(m):	1.8
Bottom Depth(m):	2.7			Stratum Desc:	BEDROCK. WEATHERED. 65EY. SILT. DARK,GREY. BEDROCK. DARK,GREY,SOUND. 00272RED. CLAY.

[28](#)
1 of 1
E/262.8
88.9 / 0.00
MISSISSAUGA ON
WWIS

Well ID:	7154090	Data Entry Status:	
Construction Date:		Data Src:	
Primary Water Use:	Monitoring and Test Hole	Date Received:	11/4/2010
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Monitoring and Test Hole	Abandonment Rec:	
Water Type:		Contractor:	7241
Casing Material:		Form Version:	7
Audit No:	Z113176	Owner:	
Tag:	A104657	Street Name:	5310 GYPLORE DR.
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	OTTAWA CITY
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1003362525	Elevation:	88.03
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	449366
Code OB Desc:		North83:	5025040
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	5
Date Completed:	14-OCT-10	UTMRC Desc:	margin of error : 100 m - 300 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:	1003482042
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	68
Other Materials:	DRY
Formation Top Depth:	0
Formation End Depth:	3.1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003482043			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:		91			
Other Materials:		WATER-BEARING			
Formation Top Depth:		3.1			
Formation End Depth:		4.27			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003482047			
Layer:		3			
Plug From:		.91			
Plug To:		4.27			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003482045			
Layer:		1			
Plug From:		0			
Plug To:		.31			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003482046			
Layer:		2			
Plug From:		.31			
Plug To:		.91			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003482053			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:		DIRECT PUSH			
<u>Pipe Information</u>					
Pipe ID:		1003482041			
Casing No:		0			
Comment:					
Alt Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
Casing ID:	1003482049				
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:	1003482050				
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>					
Water ID:	1003482048				
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:	m				
<u>Hole Diameter</u>					
Hole ID:	1003482044				
Diameter:	8.25				
Depth From:	0				
Depth To:	4.27				
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				
29	1 of 1	ESE/265.5	87.9 / -1.00	ON	BORE
Borehole ID:	807219			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Other Method			UTM Zone:	18
Easting:	449364.26			Northing:	5024957.65
Location Accuracy:				Orig. Ground Elev m:	88
Elev. Reliability Note:				DEM Ground Elev m:	87.7
Total Depth m:	3			Primary Name:	TP 1
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	13-OCT-1989			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--Details--					
Stratum ID:	218592092			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Brown Fill-Misc Silt - Sand Trace: Gr

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum ID: Bottom Depth(m):	218592093 0.5			Top Depth(m): Stratum Desc:	0.2 Topsoil
Stratum ID: Bottom Depth(m):	218592094 0.6			Top Depth(m): Stratum Desc:	0.5 Brown Silt - Sand
Stratum ID: Bottom Depth(m):	218592095 1.3			Top Depth(m): Stratum Desc:	0.6 Grey-Brown Very Stiff Weathered Crust Silty Clay
Stratum ID: Bottom Depth(m):	218592096 3.0			Top Depth(m): Stratum Desc:	1.3 Brown Till Silt - Sand With: Gr Occasional: Cob Occ Blds

30	1 of 4	SSW/266.7	88.9 / 0.00	Shas Pharmacy Limited 1428 Walkley Road Ottawa ON K1V6P5	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON4768301 2015 No No 446110 446110			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	 Canada CO_OFFICIAL Jagdish M Dattani 613-737-4106 Ext.
--Details-- Waste Code: Waste Description:	 312 PATHOLOGICAL WASTES				

30	2 of 4	SSW/266.7	88.9 / 0.00	Shas Pharmacy Limited 1428 Walkley Road Ottawa ON K1V6P5	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON4768301 Registered As of Dec 2018 			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	 Canada
--Details-- Waste Code: Waste Description:	 312 P Pathological wastes				

30	3 of 4	SSW/266.7	88.9 / 0.00	Shas Pharmacy Limited 1428 Walkley Road Ottawa ON K1V6P5	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON4768301 2014 No No 446110 446110			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	 Canada CO_OFFICIAL Jagdish M Dattani 613-737-4106 Ext.

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
30	4 of 4	SSW/266.7	88.9 / 0.00	Shas Pharmacy Limited 1428 Walkley Road Ottawa ON K1V6P5	GEN
Generator No:	ON4768301			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Jagdish M Dattani
MHSW Facility:	No			Phone No Admin:	613-737-4106 Ext.
SIC Code:	446110				
SIC Description:	446110				
--Details--					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
31	1 of 1	ESE/269.4	87.9 / -1.00	ON	BORE
Borehole ID:	807220			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Other Method			UTM Zone:	18
Easting:	449363.37			Northing:	5024938.17
Location Accuracy:				Orig. Ground Elev m:	88
Elev. Reliability Note:				DEM Ground Elev m:	87.5
Total Depth m:	3			Primary Name:	TP 2
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	13-OCT-1989			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--Details--					
Stratum ID:	218592097			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	Grey Fill-Misc Sand - Gravel
Stratum ID:	218592098			Top Depth(m):	0.3
Bottom Depth(m):	0.6			Stratum Desc:	Dark Grey Fill-Misc Silt - Sand With: Gr
Stratum ID:	218592099			Top Depth(m):	0.6
Bottom Depth(m):	1.7			Stratum Desc:	Grey-Brown Very Stiff Weathered Crust Silty Clay
Stratum ID:	218592100			Top Depth(m):	1.7
Bottom Depth(m):	3.0			Stratum Desc:	Grey-Brown to Grey Till Silt - Sand With: Gr Occasional: Cob Occ Blds
32	1 of 1	ESE/273.0	87.9 / -1.00	Ottawa ON	WWIS
Well ID:	7248718			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	9/21/2015
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Monitoring and Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Casing Material:				Form Version:	7
Audit No:	Z215109			Owner:	
Tag:	A170604			Street Name:	1770 HEATHERINGTON
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
 <u>Bore Hole Information</u>					
Bore Hole ID:	1005697046			Elevation:	87.59
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	449369
Code OB Desc:				North83:	5024945
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	15-AUG-15			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:	1005721991				
Layer:	2				
Color:	2				
General Color:	GREY				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:	06				
Other Materials:	SILT				
Mat3:	66				
Other Materials:	DENSE				
Formation Top Depth:	.31				
Formation End Depth:	7.01				
Formation End Depth UOM:	m				
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1005721990				
Layer:	1				
Color:	8				
General Color:	BLACK				
Mat1:	11				
Most Common Material:	GRAVEL				
Mat2:					
Other Materials:					
Mat3:	66				
Other Materials:	DENSE				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		0			
Formation End Depth:		.31			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005721992			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:		74			
Other Materials:		LAYERED			
Formation Top Depth:		7.01			
Formation End Depth:		12.19			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005722003			
Layer:		3			
Plug From:		10.36			
Plug To:		12.19			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005722002			
Layer:		2			
Plug From:		.31			
Plug To:		10.36			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005722001			
Layer:		1			
Plug From:		0			
Plug To:		.31			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005722000			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005721989			
Casing No:		0			
Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005721996			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		10.67			
Casing Diameter:		4.03			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1005721997			
Layer:		1			
Slot:		10			
Screen Top Depth:		10.67			
Screen End Depth:		12.19			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.82			
<u>Water Details</u>					
Water ID:		1005721995			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1005721993			
Diameter:		11.43			
Depth From:		0			
Depth To:		7.67			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1005721994			
Diameter:		7.62			
Depth From:		7.62			
Depth To:		12.19			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

33	1 of 1	ESE/274.0	87.9 / -1.00	Ottawa ON	WWIS
Well ID:	7248687			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	9/21/2015
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Monitoring and Test Hole			Abandonment Rec:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z214843			Owner:	
Tag:	A186574			Street Name:	1770 HEATHERINGTON
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	1005696523	Elevation:	87.62
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	449371
Code OB Desc:		North83:	5024949
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	04-AUG-15	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:	1005721526
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Other Materials:	SILT
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	.61
Formation End Depth:	2.44
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	1005721527
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Other Materials:	SILT
Mat3:	85

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Other Materials:		SOFT			
Formation Top Depth:		2.44			
Formation End Depth:		5.18			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005721525			
Layer:		1			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:					
Other Materials:					
Mat3:		77			
Other Materials:		LOOSE			
Formation Top Depth:		0			
Formation End Depth:		.61			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005721528			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		34			
Most Common Material:		TILL			
Mat2:					
Other Materials:					
Mat3:		73			
Other Materials:		HARD			
Formation Top Depth:		5.18			
Formation End Depth:		6.1			
Formation End Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005721537			
Layer:		2			
Plug From:		2.74			
Plug To:		6.1			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005721536			
Layer:		1			
Plug From:		0			
Plug To:		2.74			
Plug Depth UOM:		m			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		1005721535			
Method Construction Code:		2			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005721524			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005721531			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		-.91			
Depth To:		3.1			
Casing Diameter:		5.2			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1005721532			
Layer:		1			
Slot:		10			
Screen Top Depth:		3.1			
Screen End Depth:		6.1			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.03			
<u>Water Details</u>					
Water ID:		1005721530			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1005721529			
Diameter:		10.92			
Depth From:		0			
Depth To:		6.1			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>34</u>	1 of 1	S/278.0	89.9 / 1.00	ON	BORE
Borehole ID:		612763		Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:		448941		Northing:	5024662
Location Accuracy:				Orig. Ground Elev m:	94.5
Elev. Reliability Note:				DEM Ground Elev m:	91.7

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Total Depth m:	27.4			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	APR-1951			Static Water Level:	27.4
Primary Water Use:				Sec. Water Use:	
 --Details--					
Stratum ID:	218392397			Top Depth(m):	0.0
Bottom Depth(m):	27.4			Stratum Desc:	SHALE. EL. WATER STABLE AT 220.0 FEET. BOULDERS. SAND. BEDROCK. GREY. F, FISSURED. CL
<hr/>					
35	1 of 1	NW/280.2	91.8 / 2.92	ON	BORE
 Borehole ID: 807289					
Use: Geotechnical/Geological Investigation					
Drill Method: Other Method					
Easting: 448775.55					
Location Accuracy:					
Elev. Reliability Note:					
Total Depth m: 1.4					
Township:					
Lot:					
Completion Date: 15-JUL-1987					
Primary Water Use:					
 --Details--					
Stratum ID: 218592327					
Bottom Depth(m): 0.1					
 Stratum ID: 218592328					
Bottom Depth(m): 0.3					
 Stratum ID: 218592329					
Bottom Depth(m): 1.4					
<hr/>					
36	1 of 1	NW/282.4	93.0 / 4.12	PRIVATE RESIDENCE 1440 HERON ROAD FURNACE OIL TANK OTTAWA CITY ON K1V 0X2	SPL
 Ref No: 101376					
Site No:					
Incident Dt: 6/17/1994					
Year:					
Incident Cause: CONTAINER OVERFLOW					
Incident Event:					
Contaminant Code:					
Contaminant Name:					
Contaminant Limit 1:					
Contam Limit Freq 1:					
Contaminant UN No 1:					
Environment Impact: POSSIBLE					
Nature of Impact: Soil contamination					
Receiving Medium: LAND					
Receiving Env:					
MOE Response:					
Dt MOE Arvl on Scn:					
MOE Reported Dt: 4/20/1994					
Dt Document Closed:					
Incident Reason: ERROR					
 Discharger Report:					
Material Group:					
Health/Env Conseq:					
Client Type:					
Sector Type:					
Agency Involved:					
Nearest Watercourse:					
Site Address:					
Site District Office:					
Site Postal Code:					
Site Region:					
Site Municipality: 20101					
Site Lot:					
Site Conc:					
Northing:					
Easting:					
Site Geo Ref Accu:					
Site Map Datum:					
SAC Action Class:					
Source Type:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: PRIVATE RESIDENCE: 5 L FURNACE OIL TO VEGETATION DURING FILL UP Contaminant Qty:					
37	1 of 12	E/282.5	88.9 / 0.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA ON K1V 6P5	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		11416907 FS Liquid Fuel Tank FS Gasoline Station - Full Serve EXPIRED FS Liquid Fuel Tank 2/4/1997			
37	2 of 12	E/282.5	88.9 / 0.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA ON	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		10907768 51494 FS Liquid Fuel Tank FS Liquid Fuel Tank EXPIRED 			
37	3 of 12	E/282.5	88.9 / 0.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA ON K1V 6P5	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		10907768 FS Liquid Fuel Tank FS Gasoline Station - Full Serve EXPIRED FS Liquid Fuel Tank 2/4/1997			
37	4 of 12	E/282.5	88.9 / 0.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA ON K1V 6P5	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank:		11416907 FS Liquid Fuel Tank EXPIRED			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Facility Type: Expired Date: 2/4/1997					
37	5 of 12	E/282.5	88.9 / 0.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA ON	EXP
Instance No: 9552653 Instance ID: 389786 Instance Type: FS Facility Description: FS Gasoline Station - Full Serve Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:					
37	6 of 12	E/282.5	88.9 / 0.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA ON K1V 6P5	EXP
Instance No: 10907777 Instance ID: Instance Type: FS Liquid Fuel Tank Description: FS Gasoline Station - Full Serve Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: FS Liquid Fuel Tank Expired Date: 2/4/1997					
37	7 of 12	E/282.5	88.9 / 0.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA ON	EXP
Instance No: 11416943 Instance ID: 83849 Instance Type: FS Piping Description: FS Piping Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:					
37	8 of 12	E/282.5	88.9 / 0.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA ON K1V 6P5	EXP
Instance No: 10907786 Instance ID: Instance Type: FS Liquid Fuel Tank Description: FS Gasoline Station - Full Serve Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: FS Liquid Fuel Tank Expired Date: 2/4/1997					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
37	9 of 12	E/282.5	88.9 / 0.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA ON	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		11416923 83843 FS Piping FS Piping EXPIRED 			
37	10 of 12	E/282.5	88.9 / 0.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA ON K1V 6P5	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		10907786 FS Liquid Fuel Tank EXPIRED 2/4/1997			
37	11 of 12	E/282.5	88.9 / 0.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA ON	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		10907777 51570 FS Liquid Fuel Tank FS Liquid Fuel Tank EXPIRED 			
37	12 of 12	E/282.5	88.9 / 0.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA ON K1V 6P5	PRT
Location ID: Type: Expiry Date: Capacity (L): Licence #:		11132 retail 1995-12-31 24197 0022604001			
38	1 of 1	NNE/284.4	91.9 / 3.00	1565 Heron Rd Ottawa ON K1V9V1	EHS
Order No: Status:		20170412035 C		Nearest Intersection: Municipality:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Type: Custom Report Report Date: 19-APR-17 Date Received: 12-APR-17 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans					
Client Prov/State: ON Search Radius (km): .25 X: -75.650149 Y: 45.380147					
39	1 of 4	SSW/291.4	88.9 / -0.02	WALKELY CLEANERS 1414 WALKLEY ROAD OTTAWA ON K1V 9A8	GEN
Generator No: ON0544800 Status: Approval Years: 99,00,01 Contam. Facility: MHSW Facility: SIC Code: 9721 SIC Description: POWER LAUND./CLEANERS --Details-- Waste Code: 241 Waste Description: HALOGENATED SOLVENTS					
PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
39	2 of 4	SSW/291.4	88.9 / -0.02	WALKELY CLEANERS 1414 WALKLEY ROAD OTTAWA ON K1V 6P5	GEN
Generator No: ON0544800 Status: Approval Years: 86,87,88,89 Contam. Facility: MHSW Facility: SIC Code: 9721 SIC Description: POWER LAUND./CLEANERS --Details-- Waste Code: 241 Waste Description: HALOGENATED SOLVENTS					
PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
39	3 of 4	SSW/291.4	88.9 / -0.02	WALKELY CLEANERS 41-124 1414 WALKLEY ROAD OTTAWA ON K1V 9A8	GEN
Generator No: ON0544800 Status: Approval Years: 92,93,94,95,96,97,98 Contam. Facility: MHSW Facility: SIC Code: 9721 SIC Description: POWER LAUND./CLEANER --Details-- Waste Code: 241 Waste Description: HALOGENATED SOLVENTS					
PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
39	4 of 4	SSW/291.4	88.9 / -0.02	A-1 SIGNS 1440 Walkley Ave Unit F Ottawa ON K1V 6P5	SCT
Established:		0000			
Plant Size (ft²):		0			
Employment:		0			
--Details--					
Description:		Sign Manufacturing			
SIC/NAICS Code:		339950			
40	1 of 1	E/292.6	88.6 / -0.31	PRIVATE RESIDENCE REAR OF PLAZA AT 1582 WALKLEY RD GARBAGE BIN AREA (N.O.S.) OTTAWA CITY ON K1V 6P5	SPL
Ref No:		44406	Discharger Report:		
Site No:			Material Group:		
Incident Dt:		12/8/1990	Health/Env Conseq:		
Year:			Client Type:		
Incident Cause:		OTHER CAUSE (N.O.S.)	Sector Type:		
Incident Event:			Agency Involved:		
Contaminant Code:			Nearest Watercourse:		
Contaminant Name:			Site Address:		
Contaminant Limit 1:			Site District Office:		
Contam Limit Freq 1:			Site Postal Code:		
Contaminant UN No 1:			Site Region:		
Environment Impact:		NOT ANTICIPATED	Site Municipality:		20101
Nature of Impact:		Soil contamination			
Receiving Medium:		LAND			
Receiving Env:					
MOE Response:			Northing:		
Dt MOE Arvl on Scn:			Easting:		WORKS DEPT
MOE Reported Dt:		12/8/1990	Site Geo Ref Accu:		
Dt Document Closed:			Site Map Datum:		
Incident Reason:		INTENTIONAL/PLANNED	SAC Action Class:		
Site Name:			Source Type:		
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:		MOTORIST CHANGED OIL IN CAR THEN DUMPED 5 L OF WASTE OIL ONTO A TREE.			
Contaminant Qty:					
41	1 of 1	NW/294.7	92.9 / 4.00	ON	BORE
Borehole ID:		807283	Type:		Borehole
Use:		Geotechnical/Geological Investigation	Status:		
Drill Method:		Other Method	UTM Zone:		18
Easting:		448746.54	Northing:		5025324.61
Location Accuracy:			Orig. Ground Elev m:		-999.9
Elev. Reliability Note:			DEM Ground Elev m:		96.2
Total Depth m:		1.2	Primary Name:		TP 9
Township:			Concession:		
Lot:			Municipality:		
Completion Date:		15-JUL-1987	Static Water Level:		-999.9
Primary Water Use:			Sec. Water Use:		
--Details--					
Stratum ID:		218592313	Top Depth(m):		0.0
Bottom Depth(m):		0.1	Stratum Desc:		Crushed Stone

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum ID: Bottom Depth(m):	218592314 0.4			Top Depth(m): Stratum Desc:	0.1 Dark Brown Fill-Misc Sand With: Gr
Stratum ID: Bottom Depth(m):	218592315 0.6			Top Depth(m): Stratum Desc:	0.4 Dark Brown Topsoil Sand
Stratum ID: Bottom Depth(m):	218592316 1.2			Top Depth(m): Stratum Desc:	0.6 Brown Till Silt - Sand With: Gr W Cob
42	1 of 1	NE/297.8	89.9 / 1.00	Timbercreek Developments Inc. Herongate 7 Development Address: 2816-2838 Sandalwood Dr Gore/Gloucester, Ottawa, City District Office: Ottawa Site #: 5408-AJBKHR GLOUCESTER ON	PTTW
EBR Registry No: Ministry Ref. No: Notice Type: Company Name: Proponent Name: Proponent Address: Instrument Type: Location Other: URL:	012-9767 5175-AJBK5E Instrument Decision Timbercreek Developments Inc. Toronto, 25 Price Street, Toronto Ontario, Canada M4W 1Z1 (OWRA s. 34) - Permit to Take Water			Proposal Date: Notice Date: Year:	February 07, 2017 April 05, 2017 2017
Location:	Herongate 7 Development Address: 2816-2838 Sandalwood Dr Gore/Gloucester, Ottawa, City District Office: Ottawa Site #: 5408-AJBKHR GLOUCESTER				
43	1 of 1	NE/298.5	89.9 / 1.00	Gerry Crepin Cartage Limited 2816 Sandalwood Drive Ottawa ON K1V 7P4	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON8395216 Registered As of Dec 2017			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada
--Details-- Waste Code: Waste Description:	251 L Waste oils/sludges (petroleum based)				
44	1 of 1	NW/299.8	92.9 / 4.00	ON	BORE
Borehole ID: Use: Drill Method: Easting: Location Accuracy: Elev. Reliability Note: Total Depth m: Township:	807280 Geotechnical/Geological Investigation Other Method 448761.62 1.4			Type: Status: UTM Zone: Northing: Orig. Ground Elev m: DEM Ground Elev m: Primary Name: Concession:	Borehole 18 5025345.83 -999.9 96.2 TP 8

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Lot:				Municipality:	
Completion Date:	15-JUL-1987			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
 --Details--					
Stratum ID:	218592307			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Crushed Stone
Stratum ID:	218592308			Top Depth(m):	0.2
Bottom Depth(m):	0.3			Stratum Desc:	Brown Fill-Misc Silt - Sand
Stratum ID:	218592309			Top Depth(m):	0.3
Bottom Depth(m):	0.5			Stratum Desc:	Dark Brown Topsoil Sand
Stratum ID:	218592310			Top Depth(m):	0.5
Bottom Depth(m):	1.4			Stratum Desc:	Brown Till Silt - Sand With: Cob

Unplottable Summary

Total: **36** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	R.M. OF OTTAWA-CARLETON	HERON RD.	OTTAWA CITY ON	
CA	R.J. NICOL CONSTRUCTION (1975) LTD.	HERON RD. ST. PETERS SCHOOL	OTTAWA CITY ON	
CA	R.J. NICOL CONSTRUCTION (1975) LTD.	HERON RD. ST. PETERS SCHOOL	OTTAWA CITY ON	
CA	Gerry Crepin Cartage Limited	Part 1, RP 5R-512. Off Rideau Road, about 2 km north east of Bank Street	Ottawa ON	
CA	Regional Municipality of Ottawa-Carleton	HERON ROAD	OTTAWA CITY ON	
CA	TRIANGLE PROJECT INC.-PT.LOTS 37-39	HERON RD./S-WATER MGT.FACILITY	OTTAWA CITY ON	
CA	STM SYSTEMS CORPORATION	OTTAWA BUSINESS PK WALKLEY RD.	OTTAWA CITY ON	
CA	OTTAWA CITY	WALKLEY RD., HAWTHORNE BUS.PK.	OTTAWA CITY ON	
CA	Public Works and Government Services Canada		Ottawa ON	
CA	R.M. OF OTTAWA-CARLETON	WALKLEY RD.	OTTAWA CITY ON	
CA	Conroy Plaza	Lot A, Concession 4 (RF)	Ottawa ON	
CA	Public Works and Government Services Canada		Ottawa ON	
CA	TRIANGLE PROJECT INC.-PT. LOTS 37-39	HERON ROAD/STM-WATER MGT. FAC.	OTTAWA CITY ON	
ECA	Public Works and Government Services Canada	Area Number 9	Ottawa ON	K1A 0S5
EHS		heron road	ottawa ON	
EHS		Heron Road	Ottawa ON	
GEN	SPIC & SPAN-VALETOR-CASH CLEANERS 35-136	HERONGAVE MALL, HERON ROAD C/O 1764 WOODWARD DRIVE	OTTAWA ON	K2C 0P8

GEN	SPIC & SPAN-VALETOR (OUT OF BUSINESS)	HERONGAVE MALL, HERON ROAD C/O 1764 WOODWARD DRIVE	OTTAWA ON	K2C 0P8
GEN	SPIC & SPAN-VALETOR-CASH CLEANERS	HERONGAVE MALL, HERON ROAD C/O 1764 WOODWARD DRIVE	OTTAWA ON	K2C 0P8
NDFT		Walkley Rd, Ottawa	ON	
NDSP		Walkley Armoury, Mechanical Room #3 (indoors)	ON	
NPRI	PUBLIC WORKS AND GOVERNMENT SERVICES CANADA		Ottawa ON	
SPL	Public Works and Government Services Canada	Terrace Bay Pulp Mill	Ottawa ON	
SPL		Upstream of Heron rd	Ottawa ON	
SPL	Federal Public Works and Government Services Canada<UNOFFICIAL>	MacDonald-Cartier Bridge on northbound side	Ottawa ON	
SPL	Public Works and Government Services Canada	Tunney's Pasture Heating Plant<UNOFFICIAL>	Ottawa ON	
SPL	PRIVATE OWNER	SUNNY'S GAS BAR PARKING LOT WALKLEY RD MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	
SPL	Public Works and Government Services Canada<UNOFFICIAL>	Parliament Hill	Ottawa ON	
SPL	HEATING OIL TANK	FARM OFF HWY 16 PETROLEUM SECTOR _ONLY_	OTTAWA-CARLETON R.M. ON	
SPL	TRANSPORT TRUCK	HWY 16 MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	
WWIS		lot 20	ON	
WWIS		lot 20	ON	
WWIS		lot 20	ON	
WWIS		lot 20	ON	
WWIS		lot 20	ON	
WWIS		con 4	ON	

Unplottable Report

Site: R.M. OF OTTAWA-CARLETON
HERON RD. OTTAWA CITY ON

Database:
CA

Certificate #: 3-1471-86-
Application Year: 86
Issue Date: 10/16/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: R.J. NICOL CONSTRUCTION (1975) LTD.
HERON RD. ST. PETERS SCHOOL OTTAWA CITY ON

Database:
CA

Certificate #: 7-0065-87-
Application Year: 87
Issue Date: 2/20/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: R.J. NICOL CONSTRUCTION (1975) LTD.
HERON RD. ST. PETERS SCHOOL OTTAWA CITY ON

Database:
CA

Certificate #: 3-0091-87-
Application Year: 87
Issue Date: 2/20/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Gerry Crepin Cartage Limited
Part 1, RP 5R-512. Off Rideau Road, about 2 km north east of Bank Street Ottawa ON

Database:
CA

Certificate #: 6264-82BQBT

Application Year: 2010
Issue Date: 2/5/2010
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Regional Municipality of Ottawa-Carleton**
HERON ROAD OTTAWA CITY ON

Database:
CA

Certificate #: 8-4161-92-
Application Year: 92
Issue Date: 12/10/1992
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: INSTALL 20 KW STANDBY DIESEL GENERATOR
Contaminants: Nitrogen Oxides
Emission Control: No Controls

Site: **TRIANGLE PROJECT INC.-PT.LOTS 37-39**
HERON RD./S-WATER MGT.FACILITY OTTAWA CITY ON

Database:
CA

Certificate #: 3-0628-92-
Application Year: 92
Issue Date: 9/21/1992
Approval Type: Municipal sewage
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **STM SYSTEMS CORPORATION**
OTTAWA BUSINESS PK WALKLEY RD. OTTAWA CITY ON

Database:
CA

Certificate #: 8-4110-89-
Application Year: 89
Issue Date: 12/13/1989
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: EMERGENCY POWER SYSTEM
Contaminants:
Emission Control:

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

Database:
CA

Certificate #: 3-0448-93-
Application Year: 93
Issue Date: 6/18/1993
Approval Type: Municipal sewage
Status: Preliminary approval
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Public Works and Government Services Canada
Ottawa ON

Database:
CA

Certificate #: 4810-6ASSBE
Application Year: 2005
Issue Date: 4/1/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: R.M. OF OTTAWA-CARLETON
WALKLEY RD. OTTAWA CITY ON

Database:
CA

Certificate #: 3-1116-87-
Application Year: 87
Issue Date: 7/9/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Conroy Plaza
Lot A, Concession 4 (RF) Ottawa ON

Database:
CA

Certificate #: 6733-4QVQH4
Application Year: 00
Issue Date: 11/21/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: 1374441 Ontario Inc.
Client Address: 15 Antares Drive

Client City: Nepean
Client Postal Code: K2E 7Y9
Project Description: Stormwater Management for quality control of roof top and surface drainage.
Contaminants:
Emission Control:

Site: **Public Works and Government Services Canada**
Ottawa ON

Database:
CA

Certificate #: 5638-6AXR4D
Application Year: 2005
Issue Date: 3/29/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **TRIANGLE PROJECT INC.-PT. LOTS 37-39**
HERON ROAD/STM-WATER MGT. FAC. OTTAWA CITY ON

Database:
CA

Certificate #: 3-0628-92-
Application Year: 92
Issue Date: 10/20/1992
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Public Works and Government Services Canada**
Area Number 9 Ottawa ON K1A 0S5

Database:
ECA

Approval No:	7671-4HGSMK	MOE District:	
Approval Date:	2000-03-31	City:	Ottawa
Status:	Approved	Longitude:	
Record Type:	ECA	Latitude:	
Link Source:	IDS	Geometry X:	
SWP Area Name:		Geometry Y:	
Approval Type:	ECA-AIR		
Project Type:	AIR		
Address:	Area Number 9		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1125-4ERTNE-14.pdf		

Site: **heron road ottawa ON**

Database:
EHS

Order No:	20021218002	Nearest Intersection:	
Status:	C	Municipality:	
Report Type:	Complete Report	Client Prov/State:	ON
Report Date:	12/19/02	Search Radius (km):	0.50

Date Received: 12/18/02 X: -75.64485
Previous Site Name: Y: 45.37902
Lot/Building Size:
Additional Info Ordered:

Site: Heron Road Ottawa ON **Database:** EHS

Order No: 20141021043 Nearest Intersection:
Status: C Municipality: City of Ottawa
Report Type: Standard Report Client Prov/State: ON
Report Date: 27-OCT-14 Search Radius (km): .25
Date Received: 21-OCT-14 X: -75.684489
Previous Site Name: Y: 45.375447
Lot/Building Size:
Additional Info Ordered:

Site: SPIC & SPAN-VALETOR-CASH CLEANERS 35-136 **Database:** GEN
HERONGAVE MALL, HERON ROAD C/O 1764 WOODWARD DRIVE OTTAWA ON K2C 0P8

Generator No: ON0573416 PO Box No:
Status: Country:
Approval Years: 94,95 Choice of Contact:
Contam. Facility: Co Admin:
MHSW Facility: Phone No Admin:
SIC Code: 9721
SIC Description: POWER LAUND./CLEANER

--Details--
Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Site: SPIC & SPAN-VALETOR (OUT OF BUSINESS) **Database:** GEN
HERONGAVE MALL, HERON ROAD C/O 1764 WOODWARD DRIVE OTTAWA ON K2C 0P8

Generator No: ON0573416 PO Box No:
Status: Country:
Approval Years: 92,93,96,97,98 Choice of Contact:
Contam. Facility: Co Admin:
MHSW Facility: Phone No Admin:
SIC Code: 9721
SIC Description: POWER LAUND./CLEANER

--Details--
Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Site: SPIC & SPAN-VALETOR-CASH CLEANERS **Database:** GEN
HERONGAVE MALL, HERON ROAD C/O 1764 WOODWARD DRIVE OTTAWA ON K2C 0P8

Generator No: ON0573416 PO Box No:
Status: Country:
Approval Years: 86,87,88,89,90 Choice of Contact:
Contam. Facility: Co Admin:
MHSW Facility: Phone No Admin:
SIC Code: 9721
SIC Description: POWER LAUND./CLEANERS

--Details--
Waste Code: 241

Waste Description:

HALOGENATED SOLVENTS

Site:

Walkley Rd, Ottawa ON

Database:

NDFT

Property Id: K6171
Base Name: (0002) CF SUPPORT UNIT (OTTAWA)
Status: Tank currently active
Status As Of: May 25, 2001
Tank Class: Waste oil storage
Install Year: 1994
Tank Type: Aboveground Shop-fabricated
Last Year Used:
Tank Contents: Waste oil/used oil
Capacity (L): 1500

Site:

Walkley Armoury, Mechanical Room #3 (indoors) ON

Database:

NDSP

Occurrence Date:	6/5/2005 8:10:00 PM	Dist from Wtr Well:	
Cleaned Date:	6/5/2005 20:10	Depth to Grndwtr:	
Spill Type:	POL	Dist from Drain:	
Material Spilled:	Engine Lub or transmission Oil	Dist from Surf Wtr:	
TDG Category:	Flammable Liquids	Dist from Property:	
Quantity Spilled:	1	Notification:	
Quantity Spl Unit:	L	Notif Date:	
Quantity Recovered:	1 L	Notification Type:	
Spilled by:	CFSU(O)	Coding:	
Rain:	0	Coding Code Txt:	
Snow:	0	Planner Group:	
Wind Speed:		Priority Type:	
Wind Direction:		Priority:	
Direction of Drift:		Created on:	
Temperature:		Reported by:	
Base/Facility:	CFSU OTTAWA	Req Start:	
Command Code:	ADM (FIN CS)	Required End:	
Command:		Completn Date:	
Sub-Command:		Main Work Ctr:	
PRIN:		Latitude:	
Grid:		Longitude:	
Priority Desc:		Altitude:	
Description:			
Code Group:			
Code Group Text:			
Agencies Notified:	PWGSC SIT-ND Environment Team		
Releasing Auth:			
Spill Source:	Air Compressor - oil was dripping from the compressor.		
Spill Location:	Walkley Armoury, Mechanical Room #3 (indoors)		
Spill Cause:	unknown		
Potential Env Impacts:	n/a		
Potential Human Impacts:	n/a		
Actions Taken:	A mechanical company was called to repair the compressor. Absorb-all was applied to the spilled oil		
Comments:			
Gen Notif Comm:			

Site:PUBLIC WORKS AND GOVERNMENT SERVICES CANADA
Ottawa ON**Database:**

NPRI

NPRI ID:	7200010178	Org ID:	
Other ID:		Submit Date:	
No Other ID:		Last Modified:	
Track ID:		Contact ID:	
Report ID:	4783	Cont Type:	MED
Report Type:		Contact Title:	

Rpt Type ID:		Cont First Name:	
Report Year:	2011	Cont Last Name:	
Not-Current Rpt?:		Contact Position:	
Yr of Last Filed Rpt:		Contact Fax:	
Fac ID:		Contact Ph.:	
Fac Name:	CLIFF CENTRAL HEATING AND COOLING PLANT	Cont Area Code:	
Fac Address1:		Contact Tel.:	
Fac Address2:		Contact Ext.:	
Fac Postal Zip:		Cont Fax Area Cde:	
Facility Lat:		Contact Fax:	
Facility Long:		Contact Email:	
DLS (Last Filed Rpt):		Latitude:	
Facility DLS:		Longitude:	
Datum:		UTM Zone:	
Facility Cmnts:		UTM Northing:	
URL:		UTM Easting:	
No of Empl.:		Waste Streams:	
Parent Co.:		No Streams:	
No Parent Co.:		Waste Off Sites:	
Pollut Prev Cmnts:		No Off Sites:	
Stacks:		Shutdown:	
No of Stacks:		No of Shutdown:	
Canadian SIC Code (2 digit):			
Canadian SIC Code:			
SIC Code Description:			
American SIC Code:			
NAICS Code (2 digit):	91		
NAICS 2 Description:	Public Administration		
NAICS Code (4 digit):	9119		
NAICS 4 Description:	Other Federal Government Public Administration		
NAICS Code (6 digit):	911910		
NAICS 6 Description:	Other Federal Government Public Administration		

Site: Public Works and Government Services Canada
Terrace Bay Pulp Mill Ottawa ON

Database:
SPL

Ref No:	0141-72MNRW	Discharger Report:	
Site No:		Material Group:	Oil
Incident Dt:		Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	Unknown	Sector Type:	Pulp and Paper (MISA)
Incident Event:		Agency Involved:	
Contaminant Code:	13	Nearest Watercourse:	
Contaminant Name:	DIESEL FUEL	Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	Not Anticipated	Site Municipality:	Terrace Bay
Nature of Impact:	Soil Contamination	Site Lot:	
Receiving Medium:	Land	Site Conc:	
Receiving Env:		Northing:	
MOE Response:	Referral to others	Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	4/26/2007	Site Map Datum:	
Dt Document Closed:	5/3/2007	SAC Action Class:	
Incident Reason:	Unknown - Reason not determined	Source Type:	
Site Name:	Terrace Bay Pulp Mill		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	EPS: possible leaking AST at Federal building		
Contaminant Qty:	0 other - see incident description		

Site: Upstream of Heron rd Ottawa ON

Database:
SPL

Ref No: 3334-7GCS8J **Discharger Report:**

Site No:		Material Group:	
Incident Dt:		Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	Other Discharges	Sector Type:	Unknown
Incident Event:		Agency Involved:	
Contaminant Code:	28	Nearest Watercourse:	
Contaminant Name:	RUST-INHIBITOR (N.O.S.)	Site Address:	
Contaminant Limit 1:		Site District Office:	Ottawa
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	Not Anticipated	Site Municipality:	Ottawa
Nature of Impact:		Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	
MOE Response:	No Further Response (PR-PIR Table A)	Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	7/8/2008	Site Map Datum:	
Dt Document Closed:	10/14/2008	SAC Action Class:	Watercourse Spills
Incident Reason:	Negligence (Apparent) - Caused by lack of diligence	Source Type:	
Site Name:	Sawmill creek<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Sawmill Creek, 10 Aerosol cans, c/n		
Contaminant Qty:	10 other - see incident description		

Site: **Federal Public Works and Government Services Canada<UNOFFICIAL>**
MacDonald-Cartier Bridge on northbound side Ottawa ON

Database:
SPL

Ref No:	7155-8VVPZG	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	15-MAY-12	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	Other Discharges	Sector Type:	Other
Incident Event:		Agency Involved:	
Contaminant Code:	28	Nearest Watercourse:	
Contaminant Name:	WINDSHIELD WASHER ANTI-FREEZE	Site Address:	MacDonald-Cartier Bridge on northbound side
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	Not Anticipated	Site Municipality:	Ottawa
Nature of Impact:		Site Lot:	
Receiving Medium:	Sewage - Municipal/Private and Commercial	Site Conc:	
Receiving Env:		Northing:	
MOE Response:	No Field Response	Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	04-JUL-12	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	Watercourse Spills
Incident Reason:	Spill	Source Type:	
Site Name:	MacDonald-Cartier Bridge on northbound side<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	MacDonald-Cartier Bridge: 1100L windshield fluid to storm		
Contaminant Qty:			

Site: **Public Works and Government Services Canada**
Tunney's Pasture Heating Plant<UNOFFICIAL> Ottawa ON

Database:
SPL

Ref No:	7033-862QPR	Discharger Report:	
Site No:		Material Group:	
Incident Dt:		Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:		Sector Type:	Other
Incident Event:		Agency Involved:	
Contaminant Code:	38	Nearest Watercourse:	
Contaminant Name:	FREON R-22 (CFC)	Site Address:	

Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	Not Anticipated	Site Municipality:	
Nature of Impact:	Air Pollution	Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	
MOE Response:	No Field Response	Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	6/2/2010	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	Air Spills - Gases and Vapours
Incident Reason:		Source Type:	
Site Name:	Tunney's Pasture Heating Plant<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	PWGSC: unknown amnt R22 to atm.		
Contaminant Qty:	0 other - see incident description		

Site:	PRIVATE OWNER	Database:	
	SUNNY'S GAS BAR PARKING LOT WALKLEY RD MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON	SPL	
Ref No:	70723	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	5/16/1992	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	COOLING SYSTEM LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	POSSIBLE	Site Municipality:	20101
Nature of Impact:	Surface Water Pollution	Site Lot:	
Receiving Medium:	LAND / WATER	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	WORKS, SEWER BRANCH.
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	5/16/1992	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	ERROR	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	PRIVATE OWNER - 2L ANTI- FREEZE INTO CATCH BASIN & SOME ON PARKING LOT.		
Contaminant Qty:			

Site:	Public Works and Government Services Canada<UNOFFICIAL>	Database:	
	Parliament Hill Ottawa ON	SPL	
Ref No:	2716-7XYQR5	Discharger Report:	
Site No:		Material Group:	
Incident Dt:		Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	Valve / Fitting Leak Or Failure	Sector Type:	Other
Incident Event:		Agency Involved:	
Contaminant Code:	15	Nearest Watercourse:	
Contaminant Name:	HYDRAULIC OIL	Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	Not Anticipated	Site Municipality:	
Nature of Impact:	Other Impact(s); Soil Contamination	Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	
MOE Response:	No Field Response	Easting:	

Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	11/20/2009	Site Map Datum:	
Dt Document Closed:	12/18/2009	SAC Action Class:	Primary Assessment of Spills
Incident Reason:	Other - Reason not otherwise defined	Source Type:	
Site Name:	Parliament Hill<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Government Services Canada:< 5L of Hydraulic oil to asphalt		
Contaminant Qty:	5 L		

Site:	HEATING OIL TANK	Database:
	FARM OFF HWY 16 PETROLEUM SECTOR _ONLY_ OTTAWA-CARLETON R.M. ON	SPL

Ref No:	30436	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	1/31/1990	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	ABOVE-GROUND TANK LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:		Site Municipality:	20000
Nature of Impact:		Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	1/31/1990	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	CORROSION	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	STOVE OIL TANK-900 L STOVE OIL TO GROUND.		
Contaminant Qty:			

Site:	TRANSPORT TRUCK	Database:
	HWY 16 MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON	SPL

Ref No:	76308	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	9/15/1992	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	OTHER CONTAINER LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	POSSIBLE	Site Municipality:	20101
Nature of Impact:	Soil contamination	Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	PD,FD,MTO.
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	9/15/1992	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	ERROR	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TRANSPORT TRUCK-450 L DIESEL FUEL TO HWY 16 CONTAINED,FD,PD,MTO.		

Contaminant Qty:**Site:**
lot 20 ON**Database:**
WWIS

Well ID: 1534331
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 257423
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: 11/5/2003
Selected Flag: Yes
Abandonment Rec:
Contractor: 1414
Form Version: 2
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 020
Concession:
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11097381
DP2BR:
Spatial Status:
Code OB: —
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 25-SEP-03
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Method of Construction & Well Use

Method Construction ID: 961534331
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 11101096
Casing No: 1
Comment:
Alt Name:

Site:
lot 20 ON**Database:**
WWIS

Well ID: 1524118
Construction Date:

Data Entry Status:
Data Src: 1

Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Recharge Well
Water Type:
Casing Material:
Audit No: 56437
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: 1/26/1990
Selected Flag: Yes
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 020
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10045890
DP2BR: 26
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 04-OCT-89
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock **Materials Interval**

Formation ID: 931056919
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 26
Formation End Depth UOM: ft

Overburden and Bedrock **Materials Interval**

Formation ID: 931056920
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:

Other Materials:
Formation Top Depth: 26
Formation End Depth: 63
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961524118
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10594460
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930080334
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 29
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991524118
Pump Set At:
Static Level: 8
Final Level After Pumping: 40
Recommended Pump Depth: 40
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 15
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934107699
Test Type:
Test Duration: 15
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910098
Test Type:
Test Duration: 60

Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934652478
Test Type:
Test Duration: 45
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934391928
Test Type:
Test Duration: 30
Test Level: 40
Test Level UOM: ft

Water Details

Water ID: 933482660
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 56
Water Found Depth UOM: ft

Site:
lot 20 ON

Database:
WWIS

Well ID: 1525335
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 79910
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: 1/28/1991
Selected Flag: Yes
Abandonment Rec:
Contractor: 2348
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 020
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047073
DP2BR: 48
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 06-DEC-90
Remarks:
Elevrc Desc:
Location Source Date:

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

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

Overburden and Bedrock
Materials Interval

Formation ID: 931060814
Layer: 4
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 48
Formation End Depth: 55
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931060813
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Other Materials: SAND
Mat3:
Other Materials:
Formation Top Depth: 30
Formation End Depth: 48
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931060811
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 14
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931060812
Layer: 2
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN

Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 14
Formation End Depth: 30
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525335
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10595643
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082418
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 48
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525335
Pump Set At:
Static Level: 20
Final Level After Pumping: 50
Recommended Pump Depth: 43
Pumping Rate: 10
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: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934648114
Test Type:
Test Duration: 45
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934905293
Test Type:
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111746
Test Type:
Test Duration: 15
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934387571
Test Type:
Test Duration: 30
Test Level: 50
Test Level UOM: ft

Water Details

Water ID: 933484296
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 50
Water Found Depth UOM: ft

Site:
lot 20 ON

Database:
WWIS

Well ID: 1524120
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 56440
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: 1/26/1990
Selected Flag: Yes
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 020
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10045892
DP2BR: 27
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 04-OCT-89

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

Remarks:**Elevrc Desc:****Location Source Date:****Improvement Location Source:****Improvement Location Method:****Source Revision Comment:****Supplier Comment:****Location Method:** na**Overburden and Bedrock****Materials Interval**

Formation ID: 931056924
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 27
Formation End Depth: 63
Formation End Depth UOM: ft

Overburden and Bedrock**Materials Interval**

Formation ID: 931056923
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 27
Formation End Depth UOM: ft

Method of Construction & Well**Use**

Method Construction ID: 961524120
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10594462
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930080338
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 63

Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930080337
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 30
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991524120
Pump Set At:
Static Level: 8
Final Level After Pumping: 40
Recommended Pump Depth: 40
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 15
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934107701
Test Type:
Test Duration: 15
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910100
Test Type:
Test Duration: 60
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934391930
Test Type:
Test Duration: 30
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934652480
Test Type:
Test Duration: 45

Test Level: 40
Test Level UOM: ft

Water Details

Water ID: 933482662
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 55
Water Found Depth UOM: ft

Site:
lot 20 ON

Database:
WWIS

Well ID: 1522704
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 44190
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: 10/31/1988
Selected Flag: Yes
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 020
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044514
DP2BR: 58
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 23-SEP-88
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock
Materials Interval

Formation ID: 931052337
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: 10
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931052339
Layer: 3
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Other Materials: SAND
Mat3:
Other Materials:
Formation Top Depth: 40
Formation End Depth: 58
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931052340
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 58
Formation End Depth: 59
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931052338
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 40
Formation End Depth UOM: ft

Annular Space/Abandonment
Sealing Record

Plug ID: 933110013
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961522704
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10593084
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077847
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 58
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991522704
Pump Set At:
Static Level: 10
Final Level After Pumping: 40
Recommended Pump Depth: 40
Pumping Rate: 30
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934386877
Test Type:
Test Duration: 30
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934905070
Test Type:
Test Duration: 60
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934656253
Test Type:
Test Duration: 45
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111033
Test Type:
Test Duration: 15
Test Level: 20
Test Level UOM: ft

Water Details

Water ID: 933480697
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 58
Water Found Depth UOM: ft

Site:
con 4 ON

Database:
WWIS

Well ID: 1517523
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 3/20/1981
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot:
Concession: 04
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10039395
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 24-FEB-81
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

**Overburden and Bedrock
Materials Interval**

Formation ID: 931035451
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 175
Formation End Depth: 185
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931035450
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 77
Other Materials: LOOSE
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 175
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931035449
Layer: 1
Color: 7
General Color: RED
Mat1: 28
Most Common Material: SAND
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961517523
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10587965
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930068902
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 185
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930068901
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 184
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991517523
Pump Set At:
Static Level: 40
Final Level After Pumping: 105
Recommended Pump Depth: 120
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 3
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934384288
Test Type: Draw Down
Test Duration: 30
Test Level: 105
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934895056
Test Type: Draw Down
Test Duration: 60
Test Level: 105
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934645364
Test Type: Draw Down

Test Duration: 45
Test Level: 105
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934102054
Test Type: Draw Down
Test Duration: 15
Test Level: 105
Test Level UOM: ft

Water Details

Water ID: 933474010
Layer: 1
Kind Code: 2
Kind: SALTY
Water Found Depth: 184
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 2018

Abandoned Mine Information System:

Provincial [AMIS](#)

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

Government Publication Date: 1800-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, 2019

Borehole:

Provincial [BORE](#)

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

Government Publication Date: 1875-Jul 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

List of commercial underground fuel oil tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Note: the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of commercial fuel tanks in the province. The TSSA updates information in its system on an ongoing basis; this listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Chemical Register:

Private

CHEM

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

Government Publication Date: 1999-Jan 31, 2019

Compressed Natural Gas Stations:

Private

CNG

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

Government Publication Date: Dec 2012 - Dec 2018

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-Jan 2019

Certificates of Property Use:

Provincial

CPU

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

Government Publication Date: 1994-Feb 28, 2019

Drill Hole Database:

Provincial

DRL

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

Government Publication Date: 1886 - Oct 2018

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 2017

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-Feb 28, 2019

Environmental Registry:

Provincial

EBR

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

Government Publication Date: 1994-Feb 28, 2019

Environmental Compliance Approval:

Provincial

ECA

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

Government Publication Date: Oct 2011-Feb 28, 2019

Environmental Effects Monitoring:

Federal

EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private

EHS

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

Government Publication Date: 1999-Jan 31, 2019

Environmental Issues Inventory System:

Federal

EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial

EMHE

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

Government Publication Date: Dec 31, 2016

List of TSSA Expired Facilities:

Provincial

EXP

List of facilities and tanks - for which there was once a registration - no longer registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed from the ground are included in the expired facilities inventory held by the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Federal Convictions:

Federal

FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

FCS

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

Government Publication Date: Jun 2000-Oct 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 2018

Fuel Storage Tank:

Provincial

FST

List of registered private and retail fuel storage tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel storage tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic:

Provincial

FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

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

Government Publication Date: 1986-Dec 31, 2018

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

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

TSSA Incidents:Provincial [INC](#)

List of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC) and made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors, and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:Provincial [LIMO](#)

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

Government Publication Date: Sep 30, 2017

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-Sep 30, 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-Feb 28, 2019

Ontario Oil and Gas Wells:

Provincial

OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSRL 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-Feb 28, 2019

Canadian Pulp and Paper:

Private

[PAP](#)

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

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

Parks Canada Fuel Storage Tanks:

Federal

[PCFT](#)

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial

[PES](#)

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

Government Publication Date: 1988-Sep 2018

TSSA Pipeline Incidents:

Provincial

[PINC](#)

List of pipeline incidents (strikes, leaks, spills) made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors, and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of pipeline incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial

[PRT](#)

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial

[PTTW](#)

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

Government Publication Date: 1994-Feb 28, 2019

Ontario Regulation 347 Waste Receivers Summary:

Provincial

[REC](#)

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

Government Publication Date: 1986-2016

Record of Site Condition:

Provincial

RSC

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

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Jan 2019

Retail Fuel Storage Tanks:

Private

RST

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

Government Publication Date: 1999-Jan 31, 2019

Scott's Manufacturing Directory:

Private

SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial

SPL

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

Government Publication Date: 1988-Dec 2018

Wastewater Discharger Registration Database:

Provincial

SRDS

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

Government Publication Date: 1990-Dec 31, 2016

Anderson's Storage Tanks:

Private

TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal

TCFT

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

Government Publication Date: 1970-Aug 2018

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial

VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of tank variances in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory:

Provincial

[WDS](#)

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

Government Publication Date: Oct 2011-Feb 28, 2019

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial

[WDSH](#)

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

[WWIS](#)

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

Government Publication Date: 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 Responses and Request

Ministry of the Environment
and Climate Change

Freedom of Information and
Protection of Privacy Office

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

Ministère de l'Environnement et de
l'Action en matière de changement
climatique

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

12^e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél.: (416) 314-4075
Téléc.: (416) 314-4285



October 7, 2015

Jennifer Terpstra
Pinchin Ltd.
555 Legget Dr, Suite 1001, Tower A
Kanata, ON K2K 2X3

Dear Jennifer Terpstra:

RE: ***Freedom of Information and Protection of Privacy Act Request***
Our File # A-2015-05509, Your Reference 108075

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 2831 - 2839, 2845, 2865, & 2875 Cedarwood Drive, Ottawa (one site).

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Everett Burge at (416) 314-6129 or everett.burge@ontario.ca.

Yours truly,

for Heidi Ritscher
FOI Manager

Ministry of the Environment
and Climate Change

Freedom of Information and
Protection of Privacy Office

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

Ministère de l'Environnement et de
l'Action en matière de changement
climatique

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

12^e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285



October 7, 2015

Jennifer Terpstra
Pinchin Ltd.
555 Legget Dr, Suite 1001, Tower A
Kanata, ON K2K 2X3

Dear Jennifer Terpstra:

RE: ***Freedom of Information and Protection of Privacy Act Request***
Our File # A-2015-05504, Your Reference 108075

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to Heron Gate 2 - 2805 & 2825 Cedarwood Drive and 2848-2864, 2870 and 2878-2886 Baycrest Drive, Ottawa (one site).

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**


You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Everett Burge at (416) 314-6129 or everett.burge@ontario.ca.

Yours truly,

for Heidi Ritscher
FOI Manager


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 Crooks Pinchin Ltd. 1 Hines Road, Suite 200 Kanata, Ontario K2K 3C7 For questions or concerns please contact Julie Crooks at: jcrooks@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. 238442	Signature of Requester 	<input type="checkbox"/> CNR <input type="checkbox"/> ER <input type="checkbox"/> NOR <input type="checkbox"/> SWR <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) The below addresses are one Site. 2831, 2833, 2835, 2837, 2839 Cedarwood Drive, Ottawa, Ontario 2845 Cedarwood Drive, Ottawa, Ontario 2865 Cedarwood Drive, Ottawa, Ontario 2875 Cedarwood Drive, Ottawa, Ontario 2805 Cedarwood Drive, Ottawa, Ontario 2825 Cedarwood Drive, Ottawa, Ontario 2848, 2850, 2852, 2854, 2856, 2858, 2860, 2862, 2864 Baycrest Drive, Ottawa, Ontario 2870 Baycrest Drive, Ottawa, Ontario 2878, 2880, 2882, 2884, 2886 Baycrest Drive, Ottawa, Ontario
Present Property Owner(s) and Date(s) of Ownership Timbercreek Asset Management 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		

Requester Data			For Ministry Use Only		
Name, Title, Company Name and Mailing Address of Requester Julie Crooks Pinchin Ltd. 1 Hines Road, Suite 200 Kanata, Ontario K2K 3C7 For questions or concerns please contact Julie Crooks at: jcrooks@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. 238442	Signature of Requester 	<input type="checkbox"/> CNR <input type="checkbox"/> ER <input type="checkbox"/> NOR <input type="checkbox"/> SWR <input type="checkbox"/> WCR <input type="checkbox"/> SAC <input type="checkbox"/> IEB <input type="checkbox"/> EAA <input type="checkbox"/>		
waste sites - <i>disposal, landfill sites, transfer stations, processing sites, incinerator sites</i>					
waste systems	- haulers: <i>sewage, non-hazardous & hazardous waste</i>				
	- <i>mobile waste processing units</i>				
	- <i>PCB destruction</i>				
pesticides - <i>licenses</i>					

APPENDIX G
TSSA Archival Request

Tamila Tovey

From: Julie Crooks
Sent: Friday, March 29, 2019 10:27 AM
To: 'Public Information Services'
Subject: TSSA Archival Searches
Attachments: 2875 Cedarwood Drive,.TSSA Request .pdf; 2805 Cedarwood Drive,.TSSA Request.pdf;
2865 Cedarwood Drive,.TSSA Request .pdf; 2870 Baycrest Drive,.TSSA Request .pdf

Can you please process the attached archival requests?
Thank you

Julie Crooks
Project Assistant, Environmental Due Diligence & Remediation

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

APPENDIX H

Maps

75°39'30"W

75°39'W

75°38'30"W

75°38'W

75°37'30"W

★ Site / Boundary 2000m Buffer

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

45°23'30"N

45°23'N

45°23'N

45°22'30"N

45°22'30"N

45°22'N

45°22'N

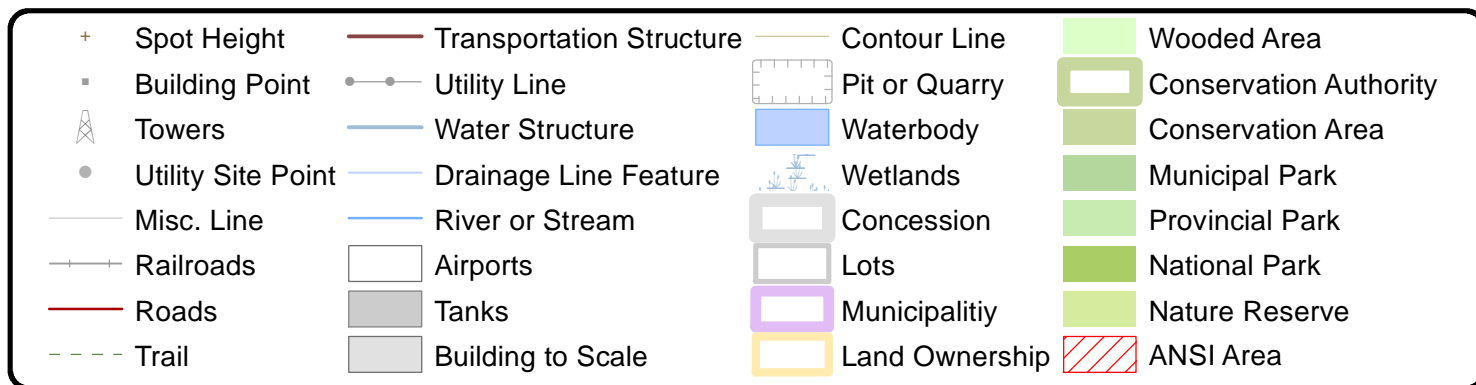
45°21'30"N

1:18866

1000 500 0 1000 m



Area of Natural & Scientific Interest (ANSI) Order No. 20190325195





ANSI Report

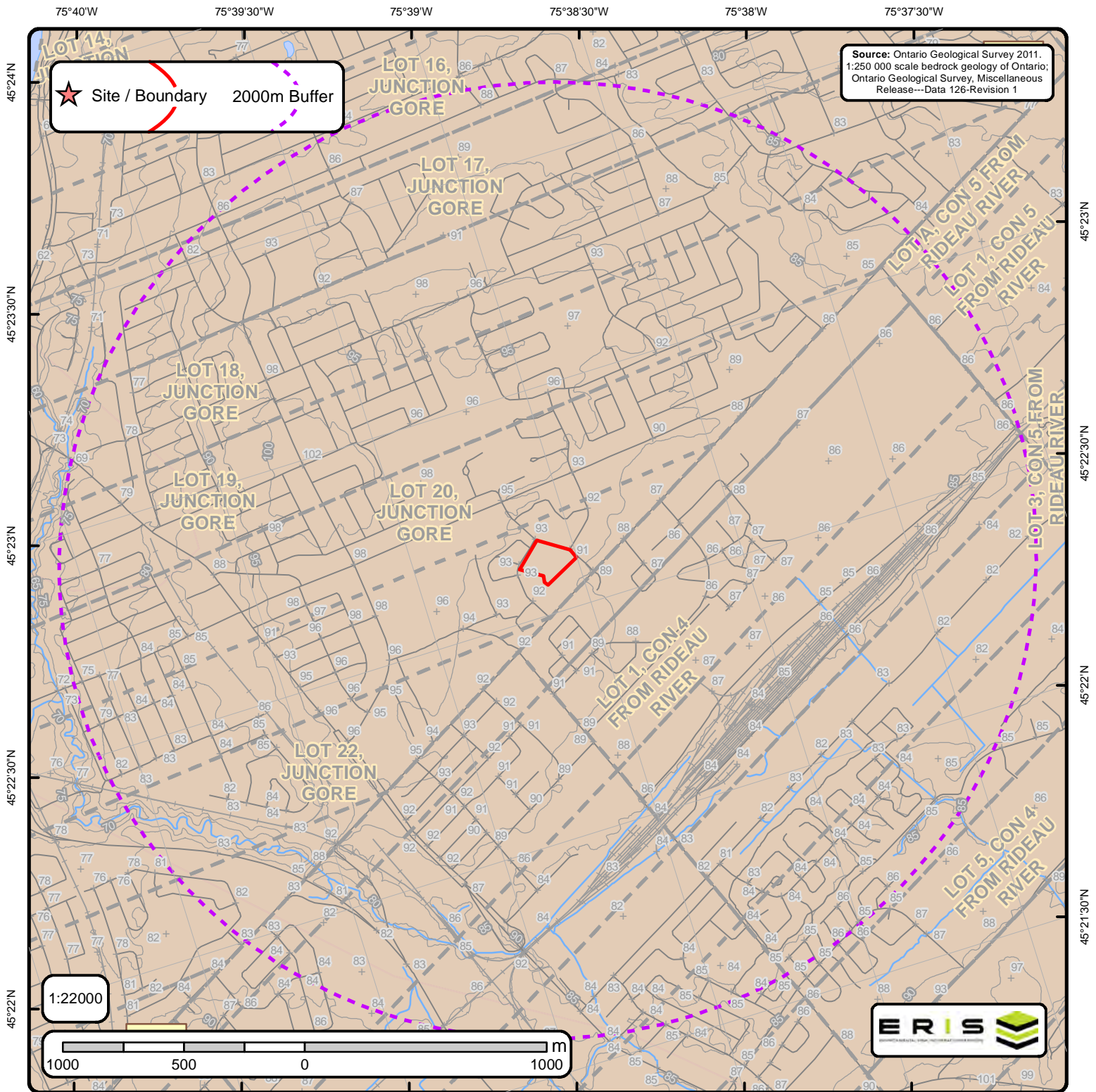
ANSI Units Found within 2000 m of

2845 Cedarwood Drive, Ottawa, ON, K1V 0G6



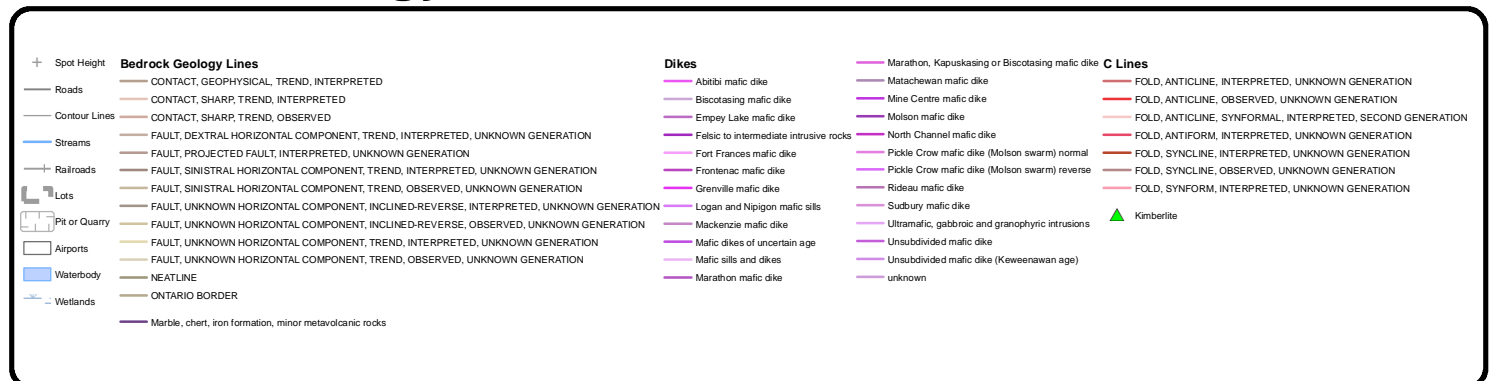
ANSI Name: Sawmill Creek Shales

ID: 251213641 | **Type:** ANSI, Earth Science | **Significance:** Provincial | **Management Plan:** No | **Area (sqm):** 752.152 | **Comments:**



Bedrock Geology of Ontario

Order No. 20190325195





Bedrock Geology Report

Bedrock Geology units found within 2000 m of
2845 Cedarwood Drive, Ottawa, ON, K1V 0G6



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: 13300 | **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 - 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:

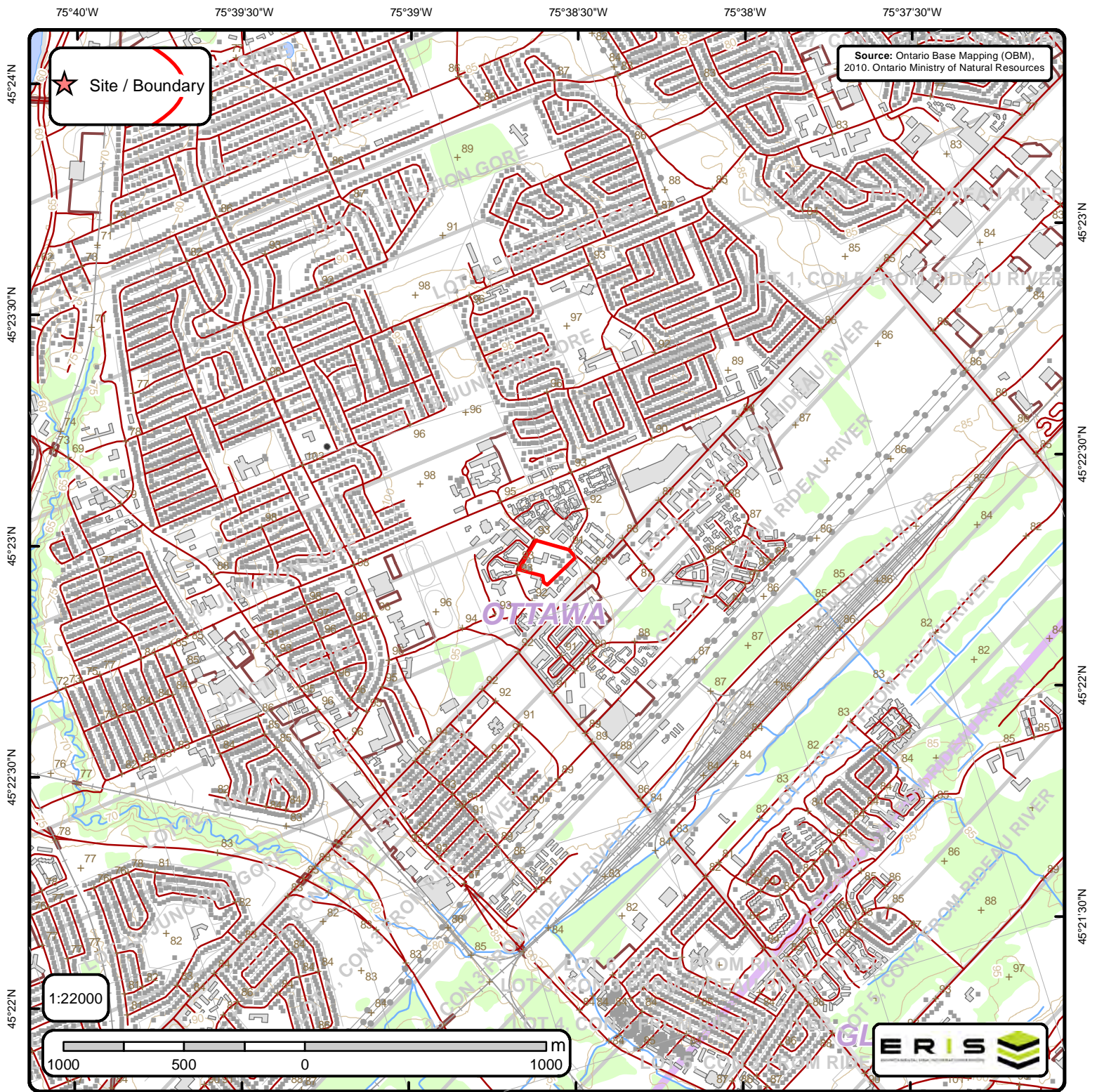
CAMBRIAN (488.3 Ma to 542.0 Ma)
ORDOVICIAN (443.7 Ma to 488.3 Ma)
SILURIAN (416.0 Ma to 443.7 Ma)
DEVONIAN (359.2 Ma to 416.0 Ma)
MISSISSIPPIAN TO DEVONIAN (318.1 Ma to 416.0 Ma)
JURASSIC (145.5 Ma to 199.6 Ma)
CRETACEOUS AND JURASSIC (65.5 Ma to 199.6 Ma)

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:

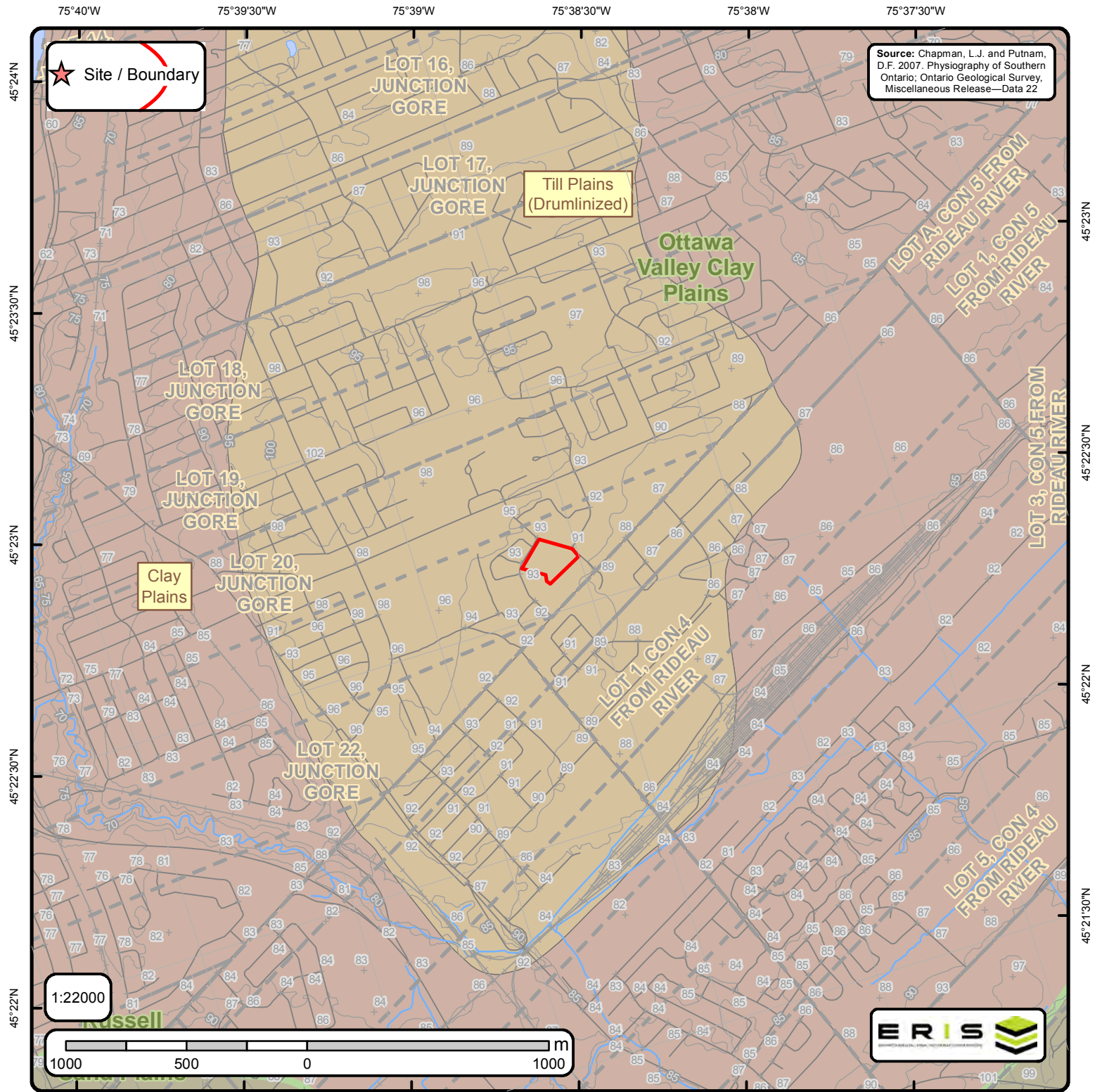
SUPERIOR
SOUTHERN
SUPERIOR
GRENVILLE



Ontario Base Mapping (OBM) Data

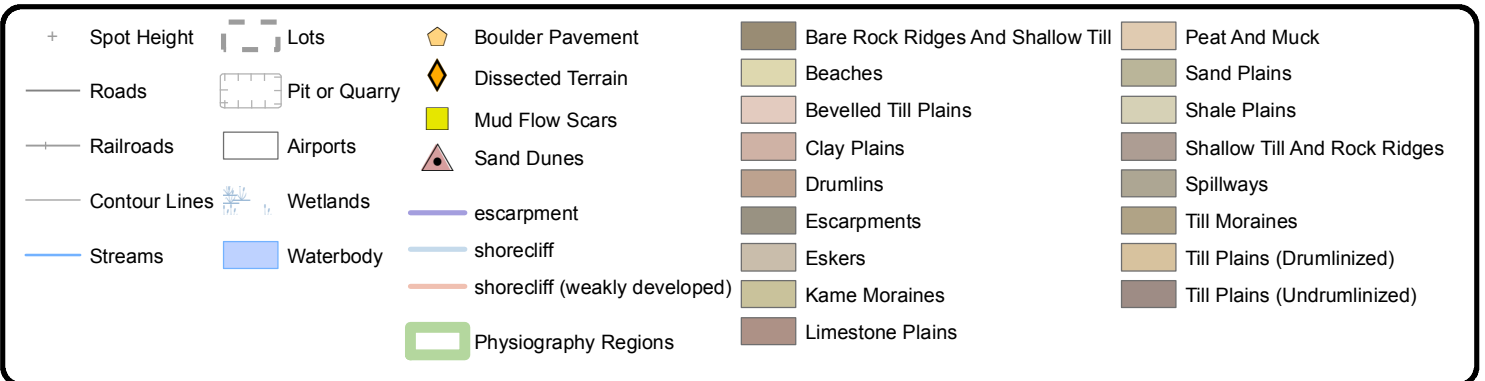
Order No. 20190325195

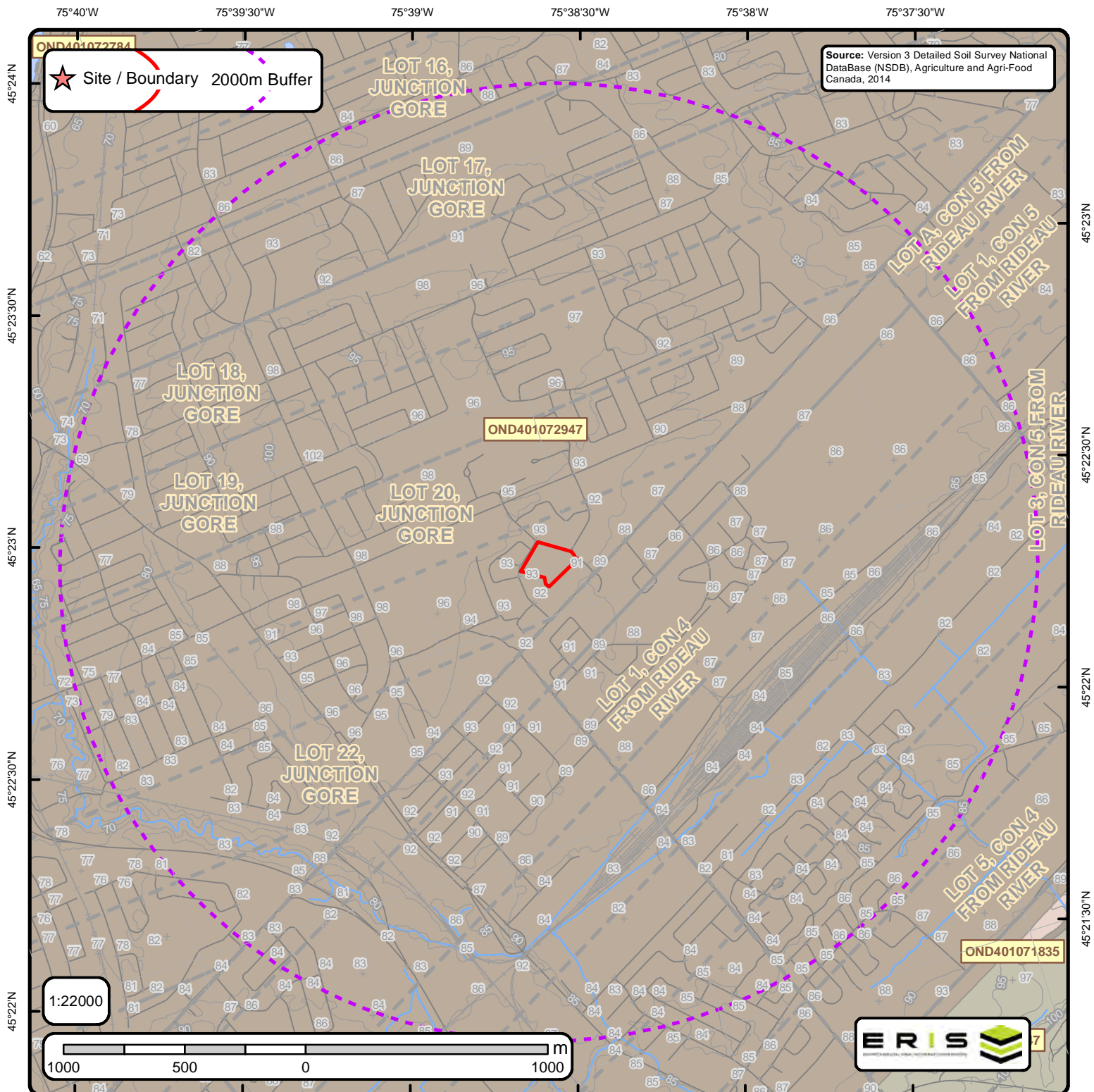
+	Spot Height (metre)	—	Transportation Structure	—	Contour Line	■	Wooded Area
■	Building Point	—	Utility Line	■	Pit or Quarry	■	Conservation Authority
⚡	Towers	—	Water Structure	■	Waterbody	■	Conservation Area
●	Utility Site Point	—	Drainage Line Feature	■	Wetlands	■	Municipal Park
—	Misc. Line	—	River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



Physiography of Southern Ontario

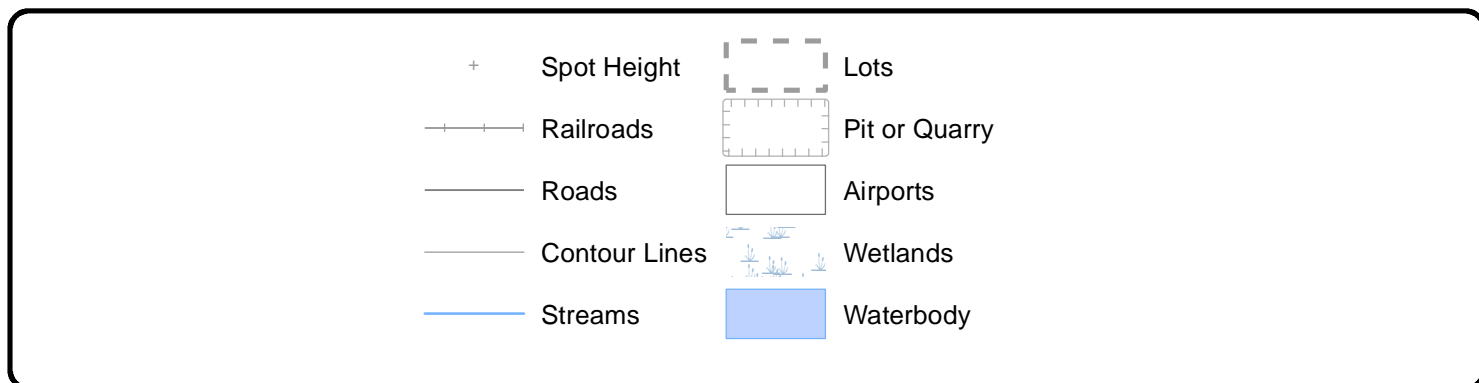
Order No. 20190325195





Detailed Soil Survey (ON Soils)

Order No. 20190325195





Soils Report

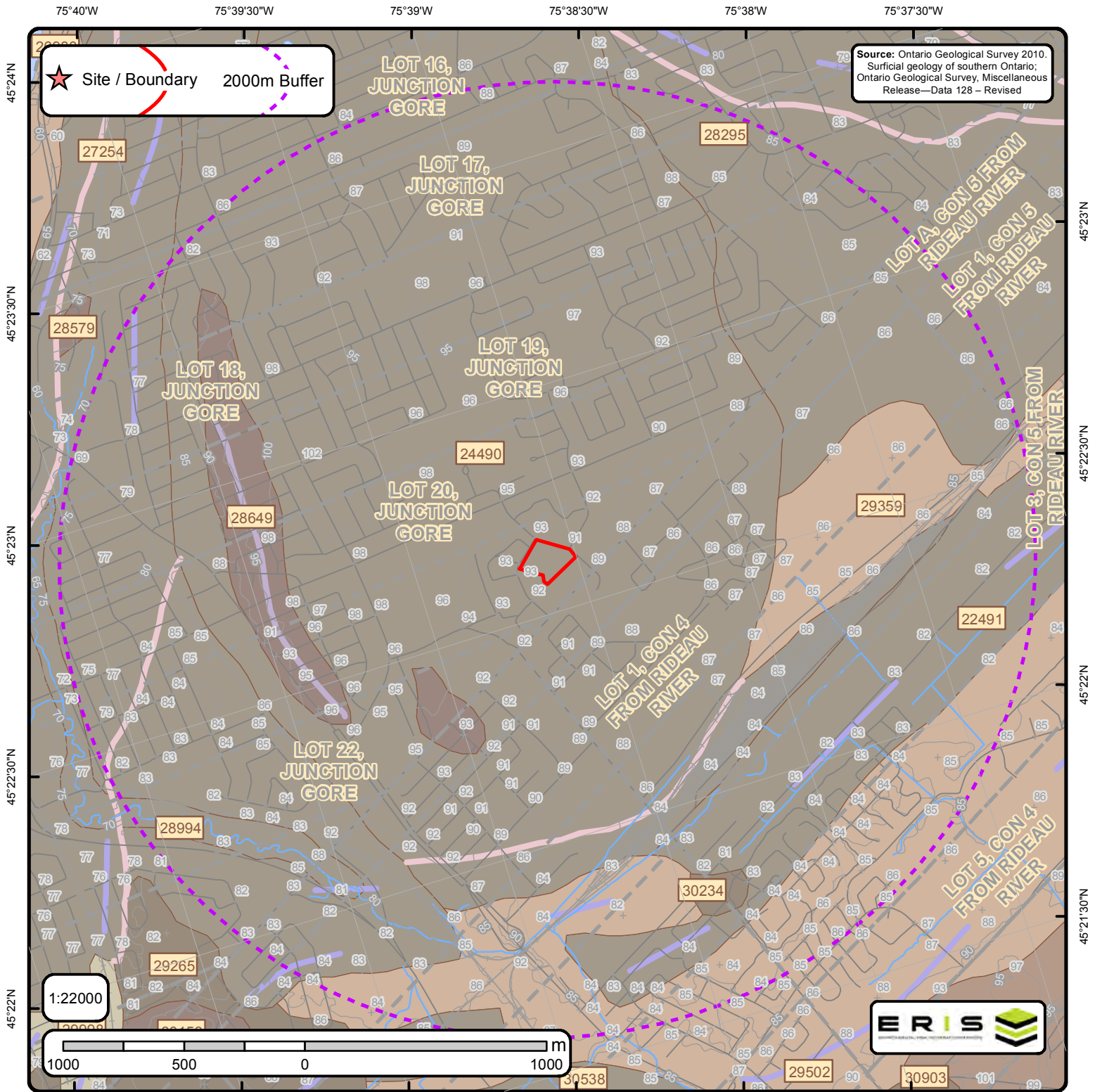
Soil Map Units Found within 2000 m of
2845 Cedarwood Drive, Ottawa, ON, K1V 0G6

Page 1
Order ID:
20190325195



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. 20190325195

+	Spot Height	—	Streams		Dune		Beach		Esker		karst		pitsg
	Waterbody	—	Contour Lines		Lake		Bluff		Esker ND		linfeat		popup
	Wetlands	—	Roads		Rib		Crevasse		Fluvial DL		megarip		ribl
	Airports	—	Railroads		Scab		Crest		fluvndl		mfluvdl		slidel
	Pit or Quarry		Morains		Slide		End		iceberg		mfluvndl		slumpb
	Lots				NOF Dune		Escarpment		icslope		moraine		terrace

**ID: 22491 | 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: 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: 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**ID: 28295 | Unit Name: Offshore marine deposits |****Deposit Type Code:** 3 | **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:** sand | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay, silty clay and silt, commonly calcareous and fossiliferous; locally overlain by thin sands. Upper parts are generally mottled or laminated reddish brown and bluish grey and may contain lenses and pockets of sand, but at depth the clay is uniform a**ID: 28649 | 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: 28994 | **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: 29359 | **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: 29502 | **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: 29586 | **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: 30234 | **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



Surface Geology Report

Surface Geology units found within 2000 m of
2845 Cedarwood Drive, Ottawa, ON, K1V 0G6



ID: 30348 | **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 - 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'.