Phase One Environmental Site Assessment

949 North River Road
Ottawa, Ontario

Prepared for:

Gemstone Construction Corporation on behalf of Gemstone River Road
252 Argyle Avenue
Ottawa ON K2P 1B9

May 14, 2021

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1.0 EXECUTIVE SUMMARY

Pinchin Ltd. (Pinchin) was retained by Gemstone Construction Corporation on behalf of Gemstone River Road (Client) to complete a Phase One Environmental Site Assessment (Phase One ESA) of the property located at 949 North River Road in Ottawa, Ontario (hereafter referred to as the Site or Phase One Property). The Phase One Property is presently developed with a two-storey multi-tenant residential building (Site Building).

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 274/20 on July 1, 2020 (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 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, historical environmental assessments relevant to the Phase One Property and a regulatory database search. 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 Ministry of the Environment, Conservation and Parks (MECP) and Technical Standards and Safety Authority 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;

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- Reporting: Prepared a Phase One ESA report; and
- Submission: Submitted the Phase One ESA report to the Client.

The Phase One Property consists of one legal lot situated at the municipal address of 949 North River Road, Ottawa, Ontario and is currently owned by Gemstone River Road. The Phase One Property is located on the northeast corner of the intersection of North River Road and Ontario Street.

To the best of Pinchin's knowledge, the Phase One Property was undeveloped until the construction of the Site Building in approximately 1968. The usage of the Phase One Property prior to the construction of the Site Building in 1968 is inferred to have consisted of agricultural/undeveloped land. The Site Building has always been occupied by residential tenants, as per information gathered from the Site Representative, city directory searches, aerial photographs, and the configuration of the Site Building.

It is Pinchin's opinion that the date of the first developed use of the Phase One Property is approximately 1968, with the construction of the Site Building on the Phase One Property. The date of the first developed use of the Phase One Property was determined through a review of aerial photographs, a city directory search and information provided by the Site Representative. No other historical records were available to Pinchin that provided information for determining the date of first developed use of the Phase One Property.

The review of information obtained from historical records, interviews and a Site reconnaissance completed by Pinchin for the Phase One ESA did not identify any PCAs at the Phase One Property or within the Phase One Study Area outside of the Phase One Property (i.e., off-Site) that are considered to result in areas of potential environmental concern (APECs) to the Phase One Property. Two on-Site PCAs were identified (i.e., former 1,000 gallon underground storage tank that was removed from the Site in 2006, and a current pad-mounted oil-cooled transformer on the south portion of the Phase One Property); however, these PCAs are not considered to result in APECs at the Phase One Property based on previous subsurface work completed at the Phase One Property, as well as observations made during Pinchin's Site reconnaissance and lack of reported issues with the transformer (as well as the fact that any issues associated with the transformer 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 and groundwater at the Phase One Property and would require the completion of a Phase Two ESA. As such, it is Pinchin's opinion that the Site Plan Approval application can be filed based only on the completion of this Phase One ESA report.

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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 a response from the MECP regarding Pinchin's Freedom of Information request. Once a response from this regulatory body is received, the information will be incorporated into a revised version of this report. Our conclusions and recommendations may be amended based on this information.

2.0 INTRODUCTION

A Phase One ESA is defined as a systematic qualitative process to determine whether a particular property is, or may be subject to, actual or potential contamination. Under the Province of Ontario's *Environmental Protection Act R.S.O. 1990, c. E.19* (EPA) and *Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act*, and last amended by Ontario Regulation 274/20 on July 1, 2020 (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 results in an APEC at 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.

2.1 Phase One Property Information

The Phase One Property consists of one legal lot situated at the municipal address 949 North River Road, Ottawa, Ontario, which is currently owned by Gemstone River Road. The Phase One Property is located on the northeast corner of the intersection of North River Road and Ontario Street, 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 is provided as Figure 2, and the PCAs identified within the Phase One Study Area are outlined 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.

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

Detail	Source / Reference	Information
Legal Description	Site Plan Survey	Part of Lot 8 of Registered Plan 399, Ottawa, Ontario
Municipal Address	http://maps.ottawa.ca/geoottawa/ City of Ottawa	949 North River Road, Ottawa, Ontario, K1K 1L1
Parcel Identification Number (PIN)	Site Plan Survey	04249-0021
Current Owner	Site Representative	Gemstone River Road
Owner Contact Information	Client	Josh Zaret, 252 Argyle Avenue Ottawa, ON, K2P 1B9 Phone: 613-248-8999 josh@gemstonecorp.com
Current Occupants	Client, Site Representative, Site reconnaissance	Multiple residential tenants
Client	Authorization to Proceed Form for Pinchin Proposal	Gemstone Construction Corporation on behalf of Gemstone River Road
Site Area	http://maps.ottawa.ca/geoottawa/ City of Ottawa	1,677 m^2 (0.42 acres)
Current Zoning	http://maps.ottawa.ca/geoottawa/ City of Ottawa	13 – Rideau-Rockcliffe

3.0 SCOPE OF INVESTIGATION

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

- A Records Review: Pinchin reviewed available current and historical information sources pertaining to the Phase One Property and surrounding properties within the Phase One Study Area including the use of, but not limited to, aerial photographs, city directories, historical environmental assessments relevant to the Phase One Property, available Site operating records and a regulatory data base search. 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 Ministry of the Environment, Conservation and Parks (MECP) Freedom of Information (FOI) and Protection of Privacy Office and the Technical Standards and Safety Authority (TSSA);

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

4.0 RECORDS REVIEW

4.1 General

A Phase One ESA does not include sampling or testing of environmental media or building materials. The study period for this assessment was from April 2021 to May 2021, which included the records review, Site reconnaissance, interviews, and reporting. A Site reconnaissance was completed on April 23, 2021, by a Pinchin representative under the direct supervision of a Qualified Person (QP). Due to the pandemic measures in place at the time of the Site reconnaissance as specified by the Provincial and Federal governments, the Site reconnaissance was limited to common areas and the mechanical room. Pinchin did not access any areas within the surrounding Phase One Study Area with the exception of publicly-accessible roads and sidewalks. Select photographs taken during the Site reconnaissance of the Phase One Property and the surrounding properties within the Phase One Study Area are presented in Appendix B.

4.1.1 Phase One Study Area Determination

Based on a review of the available historical information and observations made during the Site reconnaissance for the properties greater than 250 metres (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

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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.

4.1.2 First Developed Use Determination

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

- 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
- The first potentially contaminating use or activity on the Phase One Property.

A review of city directory search results determined that the Phase One Property was occupied by various residential tenants between 1971 and 2011, and it was purchased by the Client in 2020. The Site Representative indicated that the Phase One Property has also been occupied by various residential tenants since they took ownership in 2020. Therefore, it is Pinchin's opinion that the first developed use of the Phase One Property was in approximately 1968.

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

4.1.3 Fire Insurance Plans

Pinchin previously contacted Risk Management Services (RMS) to obtain Fire Insurance Plans (FIPs) related to the Phase One Property and the Phase One Study Area. A response was received from RMS dated November 24, 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.

4.1.4 Environmental Reports

The following previous environmental reports for the Phase One Property provided by the Client or prepared by Pinchin were reviewed by Pinchin:

- Letter entitled "*Soil Analysis from 949 River Road, Ottawa, Ontario*", prepared by Lacombe Waste Services (LWS) for District Realty Corporation, and dated October 17, 2006 (2006 LWS Soil Analysis Letter);
- Report entitled "*Phase I Environmental Site Assessment, 949 North River Road, Ottawa, Ontario"*, prepared by Pinchin for District Realty Corporation, and dated December 2, 2010 (2010 Pinchin Phase I ESA Report);

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- Report entitled "*Phase II Environmental Site Assessment, 949 North River Road, Ottawa, Ontario"*, prepared by Pinchin for District Realty Corporation, and dated January 12, 2011 (2011 Pinchin Phase II ESA Report);
- Report entitled "*Phase I Environmental Site Assessment, 949 North River Road, Ottawa, Ontario*", prepared by Pinchin for District Realty Corporation, and dated July 30, 2015 (2015 Pinchin Phase I ESA Report); and
- Report entitled "*Phase I Environmental Site Assessment, 949 North River Road, Ottawa, Ontario*", prepared by Pinchin for District Realty Corporation, and dated November 23, 2020 (2020 Pinchin Phase I ESA Report).

Pinchin reviewed the available soil and groundwater sample analytical data provided in the above-referenced reports to assess whether there are any known soil and groundwater impacts at the Phase One Property.

Given the available information on the characteristics of the Phase One Property and its future land use (i.e., residential), the applicable Site Condition Standards, as defined by the MECP in the document *"Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act"*, dated April 15, 2011, are:

- *Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Groundwater Condition* (*Table 3 Standards*) for residential property use (i.e., the proposed future use of the Phase One Property) and coarse-textured soils.

As such, the analytical data provided in the previous reports were compared with the *Table 3 Standards* to assess whether there are any known areas on the Phase One Property or in the Phase One Study Area where soil or groundwater has parameter concentrations exceeding the *Table 3 Standards.*

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

<u>2006 LWS Soil Analysis Letter</u>

The 2006 LWS Soil Analysis Letter summarized the findings of four soil samples collected on the north, south, east, and west walls of an excavation where a 1,000 gallon underground storage tank (UST) was removed from the Site. Soil samples collected from the excavation walls were submitted for laboratory analysis of volatile organic compounds (VOCs) and select metals. All soil samples submitted for laboratory analysis were found to be below the applicable criteria Although the report text indicates that analyses were compared to the criteria stipulated in the Ontario Ministry of the Environment (MOE) Regulation (O.Reg) 153/04 guidelines for residential land use, tables appended to the report indicated that excavation limit samples were incorrectly compared to O.Reg 558/00 Table 4 Standards, which stipulate criteria for leachable constituents in soil samples and is typically completed for landfill disposal

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purposes. In addition, it should be noted that soil samples were not analyzed for petroleum hydrocarbons (PHCs) (F1 to F4), compounds which are commonly associated with furnace oil.

2010 Pinchin Phase I ESA Report

The Phase I ESA completed by Pinchin in December 2010 consisted of historical reviews (including a review of previous reports), a review of surrounding properties, a regulatory database search, and interviews as well as an exterior assessment of the Site.

The following summarizes the findings of the 2010 Pinchin Phase I ESA Report:

- A 1,000 gallon UST was removed from the Site in 2006. Four soil samples were collected from the excavation limits; however, the scope of work did not include analysis for PHCs. As such, it was Pinchin's opinion that the potential existed for PHC impacted soil and/or groundwater at the Site.

Based on the above-noted information, Pinchin recommended completing a Phase II ESA at the Site.

2011 Pinchin Phase II ESA Report

The objective of the 2011 Pinchin Phase II ESA was to address the issue of environmental concern identified in the 2010 Pinchin Phase I ESA Report.

The scope of work included the advancement of two boreholes to a maximum depth of 2.13 m below ground surface (mbgs). One of the boreholes was installed as a groundwater monitoring well.

A total of two soil samples and one groundwater sample were submitted for chemical analysis of PHCs (F1 to F4) and benzene, toluene, ethylbenzene, xylenes.

Criteria used for the evaluation was the *Table 3 (non-potable groundwater condition) Standards* for residential/parkland/institutional land use and coarse grained soils, as outlined in the document entitled *"Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act",* dated March 9, 2004 (2004 Table 3 Standards). All soil and groundwater samples satisfied the 2004 Table 3 Standards.

Pinchin compared the results to the *Table 3 Standards* and all analytical results satisfy the Table 3 Standards.

Based on the results of the Phase II ESA, it was Pinchin's opinion that no further work was warranted at the Site.

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2015 Pinchin Phase I ESA Report

The Phase I ESA completed by Pinchin in July 2015 consisted of historical reviews, a review of surrounding properties, a regulatory database search, and interviews as well as an exterior assessment of the Site. In addition, Pinchin reviewed the above-noted reports.

The results of the 2015 Pinchin Phase I ESA Report indicated that there were no significant potential environmental concerns associated with the current and historical use of the Site and adjacent properties and as such, no further environmental assessment work was recommended.

2020 Pinchin Phase I ESA Report

The Phase I ESA completed by Pinchin in November 2020 consisted of historical reviews, a review of surrounding properties, a regulatory database search, and interviews as well as an exterior assessment of the Site. In addition, Pinchin reviewed the above-noted reports.

The results of the 2020 Pinchin Phase I ESA Report indicated that there were no significant potential environmental concerns associated with the current and historical use of the Site and adjacent properties and as such, no further environmental assessment work was recommended.

4.1.4.1 Previous Environmental Report Summary

Based on Pinchin's review of the above-referenced previous environmental reports, the following PCA was identified in the reviewed reports within the Phase One Study Area, but is not considered to result in an APEC at the Phase One Property:

- Item 28 – Gasoline and Associated Products Storage in Fixed Tanks. The Phase One Property was equipped with a 1,000 gallon UST, which was removed from the Site in 2006.

Based on Pinchin's review of the available documents, the analytical data satisfied the *Table 3 Standards*. Based on the above-noted information, it is Pinchin's opinion that the PCA is not considered an APEC.

4.2 Environmental Source Information

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

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4.2.1 Environmental Database Search – ERIS

Pinchin retained Environmental Risk Information Services (ERIS) to search all available federal, provincial, and private source databases for information pertaining to the Phase One Study Area. Unless otherwise noted, information obtained from the ERIS database search was reviewed for the entire Phase One Study Area. A copy of the ERIS report is provided in Appendix E and the results of the database search are described in the following sections.

4.2.1.1 National Pollutant Release Inventory

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

4.2.1.2 Ontario Inventory of PCB Storage Sites

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

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

4.2.1.3 National PCB Inventory

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

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

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4.2.1.4 Certificates of Approval

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. O. Reg. 153/04 indicates that information from the C-of-A database only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property.

The ERIS search of the C-of-A database identified no information regarding Cs-of-A for the Phase One Property or for properties adjacent to the Phase One Property.

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

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). O. Reg. 153/04 indicates that information from these databases only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property. Details regarding these databases are provided in the ERIS report in Appendix E.

The ERIS database search identified no information regarding ECAs, PTTWs or CPUs for the Phase One Property and properties adjacent to the Phase One Property.

4.2.1.6 Inventory of Coal Gasification Plants

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 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.

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4.2.1.7 Environmental Incidents, Orders, Offences and Spills

ERIS completed a search of the various provincial and federal databases for information regarding environmental incidents, orders, offences, and spills. O. Reg. 153/04 indicates that information from these databases only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property. Details regarding the searched databases are provided in the ERIS report in Appendix E.

The ERIS database search revealed no records of environmental incidents, orders, offences or spills for the Phase One Property and properties adjacent to the Phase One Property.

4.2.1.8 Waste Management Records

Waste Generators

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.

O. Reg. 153/04 indicates that information from the Waste Generator database only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property. However, in addition to the Phase One Property and adjacent off-Site properties, Pinchin reviewed the database for waste generators within 50 m transgradient and 100 m upgradient of the Phase One Property with respect to the inferred groundwater flow direction. The area reviewed will be referred to as the Waste Generator Database Review Area.

The ERIS search of the O. Reg. 347 Waste Generators database found the following information regarding the Phase One Property:

- The Phase One Property was a registered generator of light fuels (2006).

Based on a review of Pinchin's in-house MECP Waste Generator database, approximately 4,041 kilograms (kg) of light fuels were generated on-Site in 2006. Based on previous work completed at the Site (refer to Section 4.1.4), the above-noted waste generation is associated with the UST removal at the Phase One Property. Based on the result of previous work completed at the Phase One Property, it is Pinchin's opinion that this PCA is not considered an APEC.

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Twenty-four other properties located within the Phase One Study Area were listed within the database search results as waste generators. Based on their location and distance relative to the Phase One Property (i.e., greater than 100 m and/or situated hydraulically downgradient or transgradient in relation to the inferred groundwater flow direction from the Phase One Property), and the types and relatively small quantities of hazardous wastes generated at these properties, it is Pinchin's opinion that historical hazardous waste generation at these properties is not considered an environmental concern for the Phase One Property

Waste Receivers

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.

O. Reg. 153/04 indicates that information from the Waste Receivers database only needs to be obtained for the Phase One Property and properties adjacent to the Phase One Property. However, in addition to the Phase One Property and adjacent off-Site properties, Pinchin reviewed the database for waste receivers within 50 m transgradient and 100 m upgradient of the Phase One Property with respect to the inferred groundwater flow direction. The area reviewed will be referred to as the Waste Receivers Database Review Area.

The ERIS search of the O. Reg. 347 Waste Receivers database found no information regarding the Waste Receivers Database Review Area.

4.2.1.9 Fuel Storage Tanks

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 ERIS report in Appendix E.

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

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4.2.1.10 Notices and Instruments

The ERIS database search of the Environmental Registry and Record of Site Condition (RSC) database indicated the following for the Phase One Study Area:

- No records were found in the Environmental Registry and RSC database for the Phase One Property; and
- No records were found in the Environmental Registry and RSC database for other properties within the Phase One Study Area except for the following:
  - One database search result comprising of an RSC. The search result was not related to potential impacts on groundwater quality, which is considered the primary pathway of concern for contaminant migration to the Phase One Property. As such, there is a low potential for the Environmental Registry and RSC database search results to be indicative of discharges to the environment that represent an environmental concern to the Phase One Property and the likelihood of potential impacts to the Phase One Property is considered low.

4.2.1.11 Areas of Natural Significance

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 is included in the ERIS report in Appendix E. In addition, Pinchin reviewed information provided on the Ministry of Natural Resources and Forestry's (MNRF) Natural Heritage Information Centre (NHIC) website. No areas of natural significance were identified within the Phase One Study Area from these information sources.

4.2.1.12 Landfill Information

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 ERIS report in Appendix E.

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

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

The MECP 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.

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As part of the 2020 Pinchin Phase I ESA Report, a search was requested on November 3, 2020. 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. A copy of Pinchin's request submitted to the MECP is provided in Appendix F of this report.

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 USTs be registered with the TSSA.

As part of the 2020 Pinchin Phase I ESA Report, Pinchin contacted the TSSA to determine whether any ASTs or USTs are, or were, registered for the Phase One Property, and to determine whether any records of regulatory non-compliance exist. At the time of writing this report, no response had been received from the TSSA. When a formal response is received, it will be reviewed by Pinchin. If there is any information that represents a potential issue of environmental concern, a copy of the response will be forwarded to the Client under separate cover. Our conclusions and recommendations may be amended based on this information. A copy of Pinchin's request submitted to the TSSA is provided in Appendix G of this report.

4.2.3 Property Underwriters' Reports and Plans

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

Pinchin preciously contacted RMS to obtain copies of PURs and PUPs related to the Phase One Property. A response was received from RMS dated November 24, 2010, which indicated that no PURs or PUPs for the Phase One Property were available. The RMS response is provided in Appendix D.

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4.2.4 City Directories

City directories for the years 1954 to 2010 were previously reviewed by Pinchin at the Library and Archives of Canada in Ottawa, Ontario for the area within 150 m of the Phase One Property (City Directory Search Area). It should be noted that no city directories were available for the City of Ottawa subsequent to 2010. 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
1954-1970.	Phase One Property not listed.
1971-2010.	Apartment listings.

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

4.3 Physical Setting Sources

4.3.1 Aerial Photographs

Pinchin reviewed aerial photographs of the Phase One Property and surrounding properties within the Phase One Study Area to assess the potential for historical PCAs. Copies of aerial photographs dated 1945 and 1984 were obtained from the National Air Photo Library in Ottawa, Ontario and reviewed by Pinchin. In addition, historical imagery review was limited to digital aerial photographs dated 1928, 1958, 1965, 1976, 1991, 1999, 2002, 2005, 2007, 2008, 2009, 2011, 2014, 2015, 2017 and 2019 were reviewed on the City of Ottawa e-map website (http://maps.ottawa.ca/geoOttawa/) by Pinchin. The 1928 aerial photograph was the earliest available aerial photograph of the Phase One Study Area.

Efforts were made by Pinchin to obtain aerial photographs that:

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

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

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

Year of Photograph	Phase One Property
1928-1965.	The Phase One Property appeared to consist of vacant undeveloped land.
1976-2019.	One building was visible on the Phase One Property which was similar in size, shape, and orientation to the present-day Site Building.

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

Year of Photograph	North	East	South	West
1928-1948.	Vacant undeveloped land followed by residential dwellings, present-day Washington Avenue, residential dwellings, present-day Carlotta Avenue, and additional residential dwellings to beyond 250 m from the Phase One Property.	Vacant undeveloped/ agricultural land combined with associated residential dwellings followed by present-day Marguerite Avenue, residential dwellings, and additional vacant undeveloped land to beyond 250 m from the Phase One Property.	Present-day Ontario Street followed by residential dwellings, vacant undeveloped land, present-day Donald Street, additional vacant undeveloped land, and a multi-tenant residential building to beyond 250 m from the Phase One Property.	Present-day North River Road followed by residential dwellings and vacant undeveloped land, parkland, community buildings and present-day Rideau River to beyond 250 m from the Phase One Property.
1958.	Similar to 1928-1948; however, additional residential dwellings, present-day Stevens Avenue and a multi-tenant residential building were evident.	Similar to 1928-1948; however, additional residential dwellings were evident.	Similar to 1928-1948; however, residential dwellings and a multi-tenant building were evident.	Similar to 1928-1948; however, residential dwellings were evident, similar to the current configuration.

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Year of Photograph	North	East	South	West
1965-1984.	Similar to 1958; however, multi-tenant residential buildings were evident. It should be noted that several residential dwellings were demolished and no longer evident.	Similar to 1958; however, additional residential dwellings were evident.	Similar to 1958.	
1991.	Similar to 1965-1984; however, additional multi-tenant residential buildings were evident, similar to the current configuration.	Similar to 1965-1984.	Similar to 1958-1984; however, multi-tenant residential buildings were evident, similar to the current configuration. It should be noted that several residential dwellings and a multi-tenant residential building were demolished and no longer evident.	Similar to 1958-1984.
1999-2008.	Similar to 1991.	Similar to 1965-1991; however, a multi-tenant residential building was evident. It should be noted that several residential dwellings were demolished and no longer evident.	Similar to 1991.	Similar to 1958-1991.

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Year of Photograph	North	East	South	West
2009-2019.	Similar to 1991-2008.	Similar to 1999-2008; however, a multi-tenant residential building was evident, similar to the current configuration. It should be noted that several residential dwellings were demolished and no longer evident.	Similar to 1991-2008.	Similar to 1958-2008.

Based on the aerial photographs reviewed for the Phase One Property and the surrounding area, it appears that the Phase One Property was developed between 1965 and 1976.

The aerial photograph review did not identify any PCAs within the Phase One Study Area, including the Phase One Property.

4.3.2 Topography, Hydrology and Geology

The elevation of the Phase One Property, based on information obtained from the Ontario Base Map series, is approximately 59 m above mean sea level (mamsl). The general topography in the local and surrounding areas is generally flat. No bedrock outcrops were observed on-Site or in the surrounding area.

A review of the available environmental reports and physiographical data indicates that the Phase One Property and the surrounding properties located at the Phase One Property and within the Phase One Study Area are located within clay and sand to approximately 2.1 mbgs. Bedrock is expected to consist of sedimentary rocks consisting of limestone. The topography is considered to be mainly flat to rolling low local relief with dry surface water drainage conditions.

Based on general hydrogeological principles and Pinchin's familiarity with subsurface conditions at and near the Phase One Property and the surrounding properties within the Phase One Study Area, the unconfined groundwater beneath the Phase One Property is expected to flow in a westerly direction. The Rideau River is located within the Phase One Study Area, approximately 195 m west of the Phase One Property at an elevation of approximately 56 mamsl.

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4.3.3 Fill Materials

The historical records review provided no information regarding the presence of fill material at the Phase One Property.

Although the Phase One ESA did not identify any historical or current fill material at the Phase One Property, potential future development plans should incorporate the appropriate procedures for the characterization of soils that may require off-Site disposal. Further assessment and/or costs may be incurred through re-development of the Phase One Property and/or change in land use scenarios.

4.3.4 Water Bodies, Areas of Natural Significance and Groundwater Information

No water bodies were identified on the Phase One Property or on surrounding properties within the Phase One Study Area, with the following exceptions:

- The Rideau River is located approximately 195 m west of the Phase One Property.

A review of the Area of Natural & Scientific Interest map prepared by ERIS (see Appendix E) and information provided on the MNRF's NHIC website did not identify any provincial parks, wetlands, conservation areas, or other areas of natural significance, within the Phase One Study Area.

4.3.5 Well Records

A search of the Water Well Information System database by ERIS identified one water well record for the Phase One Property. A summary of pertinent information included in the ERIS report with respect to this well is provided in the following table:

MECP Well ID (ERIS ID)	Location	Stratigraphy	Approximate Depth to Bedrock	Approximate Depth to Water Table
7158469 (WWIS-1)	Approximately 5 m east of the Site Building on the Phase One Property	Brown clay with sand (0-2.1 mbgs) Limestone (2.1-6.1 mbgs)	> 2.1 mbgs	Unknown

Pinchin concludes that well record No. 7158469 pertains to the on-Site groundwater monitoring well observed during the Site reconnaissance.

The Water Well Information System database search also identified 11 water well records within the Phase One Study Area outside of the Phase One Property. Details regarding these off-Site wells, including stratigraphic information, depth to bedrock and/or depth to the water table, are provided in the ERIS report included in Appendix E.

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4.4 Site Operating Records

The Phase One Property is not an Enhanced Investigation Property (see Section 6.3). As such, Site operating records were not reviewed as part of the Phase One ESA.

5.0 INTERVIEWS

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

Person Interviewed	Relationship to Phase One Property	Date and Place of Interview	Interview Method
Mr. Keith Martelock	Property Manager at the Phase One Property	April 23, 2021 (Phase One Property)	In-person interview during Site reconnaissance.

Mr. Martelock was chosen to be interviewed given that he has been the Property Manager at the Phase One Property for six months and is familiar with the recent operational history of the Phase One Property. Mr. Martelock is referred to herein as the “Site Representative”, and accompanied the Pinchin representative (Mr. Dave Labelle) 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.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

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

The Site reconnaissance was completed on April 23, 2021, by a Pinchin representative (i.e., Mr. David Labelle), under the direct supervision of Pinchin’s QP overseeing this project. Mr. Labelle is an Environmental Project Technologist with more than three years of environmental consulting experience. Pinchin visited the Phase One Property and surrounding properties within the Phase One Study Area to

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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 9:30 AM and 11:30 AM. During the Site reconnaissance, the weather was clear and sunny, and the ambient temperature was approximately 9° Celsius with a slight breeze from the east. The Phase One Property reconnaissance was conducted on foot and consisted of a full walk-through of the Phase One Property. Due to the pandemic measures in place at the time of the Site reconnaissance as specified by the Provincial and Federal governments, the Site reconnaissance was limited to common areas and the mechanical room. At the time of the Site reconnaissance, the Phase One Property was occupied by multiple residential tenants.

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

6.2 Specific Observations at Phase One Property

6.2.1 Description of Buildings and Structures

During the Site reconnaissance, Pinchin observed one building/structure on the Phase One Property. The building consisted of a two-storey multi-tenant residential building (Site Building). The Site Representative reported that the Site Building was constructed in approximately 1968.

The portion of the Phase One Property outside of the Site Building consisted primarily of a driveway, parking areas and vacant grassed areas.

6.2.2 Description of Below-Ground Structures

During the Site reconnaissance, Pinchin did not observe any current below-ground structures on the Phase One Property, with the exception of a single basement level beneath the Site Building, which was primarily used for storage, the mechanical room and living space.

6.2.3 Description of Tanks

During the Site reconnaissance, Pinchin did not observe any tanks on the Phase One Property for the purpose of either fuel dispensing or storage, or other unidentified substance storage. It should be noted that the pole-mounted oil-cooled transformer located on the southwest portion of the Phase One Property (owned by Hydro Ottawa) is inferred to contain a reservoir of cooling oil. No staining was observed in the vicinity of this transformer and as such, it is Pinchin's opinion that this transformer is unlikely to result in potential subsurface impacts at the Phase One Property. Future redevelopment of this portion of the Phase One Property may require additional investigation if the transformer is to be decommissioned.

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6.2.4 Potable and Non-Potable Water Sources

During the Site reconnaissance, Pinchin did not observe potable or non-potable water sources on the Phase One Property. The Phase One Property is serviced by a municipal water supply via underground piping running east from North River Road into the basement of the Site Building.

6.2.5 Description and Location of Underground Utilities

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

The natural gas, telephone and electrical services enter the Site Building via underground lines running from Ontario Street into the basement on the east elevation of the Site Building. The water and sanitary sewer services enter the Site Building via underground lines running from North River Road into the basement on the west elevation of the Site Building. Stormwater is captured via a catch basin in the parking lot and directed north via underground piping to a main storm sewer line under Ontario Street.

6.2.6 Entry and Exit Points

The main man-door entry/exit point for the Site Building is located on the west elevation of the Site Building. Secondary entry/exit points to the Site Building are located on the east elevation of the Site Building, adjacent to the parking area.

6.2.7 Details of Heating System

During the Site reconnaissance, Pinchin observed two natural gas-fired boilers supplying hydronic baseboards. The Site Building was previously heated by a fuel oil-fired boiler located in the basement. The fuel supply for this furnace was provided by a UST located along the east exterior elevation of the Site Building. This fuel oil UST was reportedly removed in 2006. Based on previous work completed at the Phase One Property, the former fuel oil UST is considered a PCA at the Phase One Property; however, is not considered an APEC at the Phase One Property.

6.2.8 Details of Cooling System

Cooling for the Site Building is provided by window-mounted air conditioning units.

6.2.9 Details of Drains, Pits and Sumps

No pits or sumps were observed at the Phase One Property. Floor drains are located in the basement of the Site Building.

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6.2.10 Unidentified Substances within Buildings and Structures

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

6.2.11 Details of Staining and Corrosion

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

6.2.12 Details of On-Site Wells

No water supply or groundwater monitoring wells were observed to be on or within the Phase One Property, with the exception of a groundwater monitoring well located east of the Site Building (see Figure 3), which was installed as part of the 2011 Pinchin Phase II ESA Report. A review of the available water well records (see Section 4.3.5) indicates that this water well is likely MECP Well ID 7158469 that was installed in 2011 to a depth of 6.1 mbgs in limestone bedrock.

6.2.13 Details of Sewage Works

During the Site reconnaissance, Pinchin did not observe any sewage works or evidence of sewage disposal on the Phase One Property, with the exception of a main sanitary sewer pipe that exits through the west elevation in the basement of the Site Building and connects to the municipal sewer under North River Road.

6.2.14 Details of Ground Cover

During the Site reconnaissance, Pinchin visually inspected the Phase One Property ground cover. Vegetated areas are located along the west and south boundaries of the Phase One Property. The remainder of the Phase One Property exterior consists of an asphalt-paved driveway, access routes and parking areas.

6.2.15 Details of Current or Former Railways

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

6.2.16 Areas of Stained Soil, Vegetation and Pavement

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

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6.2.17 Areas of Stressed Vegetation

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

6.2.18 Areas of Fill and Debris Materials

According to the Site Representative, regrading and fill placement at the Phase One Property previously occurred during initial development activities to prepare the Site Building location, parking areas and access to the Phase One Property, and to establish drainage patterns. The quality of the fill material used on-Site is unknown but may contain elevated concentrations of contaminants of environmental concern, in particular metals and PAHs, and is considered a PCA at the Phase One Property.

6.2.19 Potentially Contaminating Activities

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

One PCA (i.e., pad-mounted oil-cooled transformer on the south portion of the Phase One Property) was observed on the Phase One Property during the Site reconnaissance. Details regarding this PCA (e.g., location, potential contaminants of concern, and rationale for inclusion) are provided in the preceding sections of this report, and are further summarized in Section 7.2.

6.2.20 Unidentified Substances Outside Buildings and Structures

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

6.2.21 Surrounding Land Uses

During the Site reconnaissance, Pinchin conducted a visual assessment of publicly-accessible portions of the Phase One Study Area for the presence of PCAs. The properties in the Phase One Study Area have various land uses, including residential, commercial, parkland and community. Land use types within the Phase One Study Area are presented on Figure 2.

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The following table summarizes the land use on adjacent properties at the time of the Site reconnaissance:

Direction Relative to Phase One Property	Location Relative to Inferred Groundwater Flow Direction	Description of Property Use	Property Use	Potential Contribution to PCA and/or APEC
North	Transgradient	Multi-tenant residential buildings and residential dwellings	Residential	Land uses are not considered to represent PCAs
South	Transgradient	Multi-tenant residential buildings and residential dwellings	Residential	Land uses are not considered to represent PCAs
East	Upgradient	Multi-tenant residential buildings, residential dwellings, and a commercial building	Residential/ commercial	Land uses are not considered to represent PCAs
West	Downgradient	Residential dwellings, parkland, community buildings and the Rideau River	Residential/ parkland/ community	Land uses are not considered to represent PCAs

6.3 Enhanced Investigation Property

O. Reg. 153/04 defines an “Enhanced Investigation Property” as a property that is being used or has been used, in whole or in part, in the following manner:

- For an industrial use or;
- For any of the following commercial uses:
  - As a garage;
  - As a bulk liquid dispensing facility, including a gasoline outlet; or
  - For the operation of dry-cleaning equipment.

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

6.4 Written Description of Investigation

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

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6.4.1 Phase One Property

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

- Review of available historical records, including previous environmental reports, ERIS regulatory search, city directories, aerial photographs, well records and Site operating records;
- A Site reconnaissance completed on April 23, 2021 by Mr. Dave Lavelle 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 ERIS and information provided on-line by the MNRF for the presence of areas of natural significance.

Pinchin's investigation of the Phase One Property identified two PCAs (i.e., former 1,000 gallon UST that was removed from the Phase One Property in 2006, and a current pad-mounted oil-cooled transformer on the south portion of the Phase One Property); however, these PCAs are not considered to result in APECs at the Phase One Property based on previous subsurface work completed at the Phase One Property, as well as observations made during Pinchin's Site reconnaissance and lack of reported issues with the transformer (as well as the fact that any issues associated with the transformer would be the responsibility of Hydro Ottawa).

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

6.4.2 Phase One Study Area Outside of Phase One Property

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

- Review of available historical records, including previous environmental reports, 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 ERIS and information provided on-line by the MNRF for the presence of areas of natural significance.

Pinchin's investigation of the Phase One Study Area outside of the Phase One Property did not identify any PCAs.

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7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

To the best of Pinchin's knowledge, the Phase One Property was undeveloped until the construction of the Site Building in approximately 1968. The usage of the Phase One Property prior to the construction of the Site Building in 1968 is inferred to have consisted of agricultural/undeveloped land. The Site Building has always been occupied by a residential tenants, as per information gathered from the Site Representative, city directory searches, aerial photographs, and the configuration of the Site Building.

It is Pinchin's opinion that the date of the first developed use of the Phase One Property is approximately 1968, with the construction of the Site Building on the Phase One Property. The date of the first developed use of the Phase One Property was determined through a review of aerial photographs, a city directory search and information provided by the Site Representative. No other historical records were available to Pinchin that provided information for determining the date of first developed use of the Phase One Property.

7.2 Potentially Contaminating Activities

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

- Item 28 – Gasoline and Associated Products Storage in Fixed Tanks. The Phase One Property was formerly equipped with a 1,000 gallon UST, which was removed from the Site in 2006. Based on Pinchin's review of the available documents, the analytical data satisfied the *Table 3 Standards*. Based on the above-noted information, it is Pinchin's opinion that the PCA is not considered an APEC for the Phase One Property; and
- Item 55 – Transformer Manufacturing, Processing and Use (pad-mounted oil-cooled transformer (owned by Hydro Ottawa) located on the south portion of the Phase One Property). During Pinchin's Site reconnaissance, no evidence of leakage was observed in the vicinity of this transformer, and no former issues/spills were reported for this transformer. In addition, any issues associated with this transformer would be the responsibility of Hydro Ottawa. As such, it is Pinchin's opinion that this PCA does not represent an APEC at the Phase One Property.

Pinchin's investigation of the Phase One Study Area outside of the Phase One Property did not identify any PCAs.

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7.3 Areas of Potential Environmental Concern

No APECs as defined by O. Reg. 153/04 were identified by Pinchin at the Phase One Property.

7.4 Phase One Conceptual Site Model

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

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

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

- The Phase One Property is a rectangular-shaped parcel of land approximately 0.42 acres (0.17 hectares) in size located at the northeast corner of the intersection of North River Road and Ontario Street in the City of Ottawa. The Phase One Property is improved with a two-storey multi-tenant residential building (Site Building) that occupies the central portion of the Phase One Property. The Phase One Property has been residential in nature since initial development in 1968. 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;
- Water bodies located within the Phase One Study Area consisted of the Rideau River located approximately 195 m west 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;
- North River Road is located adjacent to the west of the Phase One Property and Ontario Street is located adjacent to the south of the Phase One Property. The adjacent properties to the north, south and east of the Phase One Property consist of residential

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land uses. The adjacent property to the west of the Phase One Property consists of residential and community land uses;

- Two PCAs were identified at the Phase One Property. No PCAs were identified within the Phase One Study Area, outside of the Phase One Property. However, based on previous work completed at the Phase One Property, as well as observations made during Pinchin's Site reconnaissance and lack of reported issues with the transformer (as well as the fact that any issues associated with the transformer would be the responsibility of Hydro Ottawa), the on-Site PCAs are not considered to result in APECs;
- Underground utilities at the Phase One Property provide potable water, natural gas, electrical, telephone, cable, and sewer services to the Site Building. These services enter the basement of the Site Building through a subsurface conduit on the east elevation of the Site Building, with the exception of waste and sanitary lines, which enter/exit the west elevation of the Site Building. Plans were not available to confirm the depths of these utilities but they are estimated to be located approximately 2 to 3 mbgs. The known depth to groundwater at the Phase One Property is approximately between 1.0 m and 2.0 mbgs;
- The Phase One Property and the surrounding properties located within the Phase One Study Area are located within sand and clay. Bedrock is expected to consist of sedimentary rocks consisting of limestone; and
- The Phase One Property is relatively flat with little relief. Local groundwater flow is inferred to be to the west, based on the location of the Rideau River. Regional groundwater flow is inferred to be to the west towards the Rideau River.

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

8.0 CONCLUSIONS

Pinchin conducted this Phase One ESA in accordance with Part VII and Schedule D of O. Reg. 153/04. The purpose of the Phase One ESA was to assess the potential presence of environmental impacts at the Phase One Property due to activities at and near the Phase One Property 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. Two on-Site PCAs were identified (i.e., former 1,000 gallon UST

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that was removed from the Phase One Property in 2006, and a current pad-mounted oil-cooled transformer on the south portion of the Phase One Property); however, these PCAs are not considered to result in APECs at the Phase One Property based on previous subsurface work completed at the Phase One Property, as well as observations made during Pinchin's Site reconnaissance and lack of reported issues with the transformer (as well as the fact that any issues associated with the transformer 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 and groundwater at the Phase One Property and would require the completion of a Phase Two ESA. As such, it is Pinchin's opinion that the Site Plan Approval application can be filed based only on the completion of this Phase One ESA report.

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

8.1 Signatures

This Phase One ESA was undertaken under the supervision of Scott Mather, P.Eng., QP_{ESA} in accordance with the requirements of O. Reg. 153/04 to support the filing of a SPA 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 April 23, 2021, 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 and TSSA. Pinchin reserves the right to amend our conclusions and recommendations based on information obtained from the regulatory agencies.

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

8.2 Terms and Limitations

This Phase One ESA was performed in order to identify potential issues of environmental concern associated with the property located at 949 North River Road in Ottawa, Ontario (Site), at the time of the Site reconnaissance. This Phase One ESA was performed in general compliance with currently acceptable practices for environmental site investigations, and specific Client requests, as applicable to this Site. This report was prepared for the exclusive use of Gemstone Construction Corporation on behalf of Gemstone River Road (Client), subject to the terms, conditions and limitations contained within the duly authorized proposal 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.

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If additional parties require reliance on this report, written authorization from Pinchin will be required. Such reliance will only be provided by Pinchin following written authorization from the Client. Pinchin disclaims responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs. No other warranties are implied or expressed. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law.

The information provided in this report is based upon analysis of available documents, records and drawings, and personal interviews. In evaluating the Site, Pinchin has relied in good faith on information provided by other individuals noted in this report. Pinchin has assumed that the information provided is factual and accurate. In addition, the findings in this report are based, to a large degree, upon information provided by the current owner/occupant. Pinchin accepts no responsibility for any deficiency, misstatement or inaccuracy contained in this report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted, or contained in reports that were reviewed. The scope of work for this Phase One ESA did not include a visual or intrusive investigation for designated substances (e.g., asbestos, mould, PCB-containing electrical equipment, etc.) and, therefore, these materials may be present at the Site.

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

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

9.0 REFERENCES

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

- Mr. Keith Martelock, Property Manager at the Site for six months (Site Representative).
- ERIS report entitled “949 North River Road, Ottawa, Ontario”, and dated April 22, 2021 (ERIS Project #21041900254).
- Risk Management Services.
- The Atlas of Canada – Surficial Materials: http://atlas.nrcan.gc.ca/site/english/maps/environment/land/surficialmaterials/1

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- 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.
- Technical Standards and Safety Authority.
- 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.
- "*Soil Analysis from 949 River Road, Ottawa, Ontario*", prepared by Lacombe Waste Services for District Realty Corporation, and dated October 17, 2006.
- "*Phase I Environmental Site Assessment, 949 North River Road, Ottawa, Ontario"*, prepared by Pinchin Environmental Ltd. for District Realty Corporation, and dated December 2, 2010.
- "*Phase II Environmental Site Assessment, 949 North River Road, Ottawa, Ontario"*, prepared by Pinchin Environmental Ltd. for District Realty Corporation, and dated January 12, 2011.

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- "*Phase I Environmental Site Assessment, 949 North River Road, Ottawa, Ontario*", prepared by Pinchin Ltd. for District Realty Corporation, and dated July 30, 2015.
- "*Phase I Environmental Site Assessment, 949 North River Road, Ottawa, Ontario*", prepared by Pinchin Ltd. for District Realty Corporation, and dated November 23, 2020.

283759.002 Phase One ESA 949 North River Rd Ottawa ON Gemstone
Template: Master Report for RSC Phase One ESA Report, EDR, October 16, 2020

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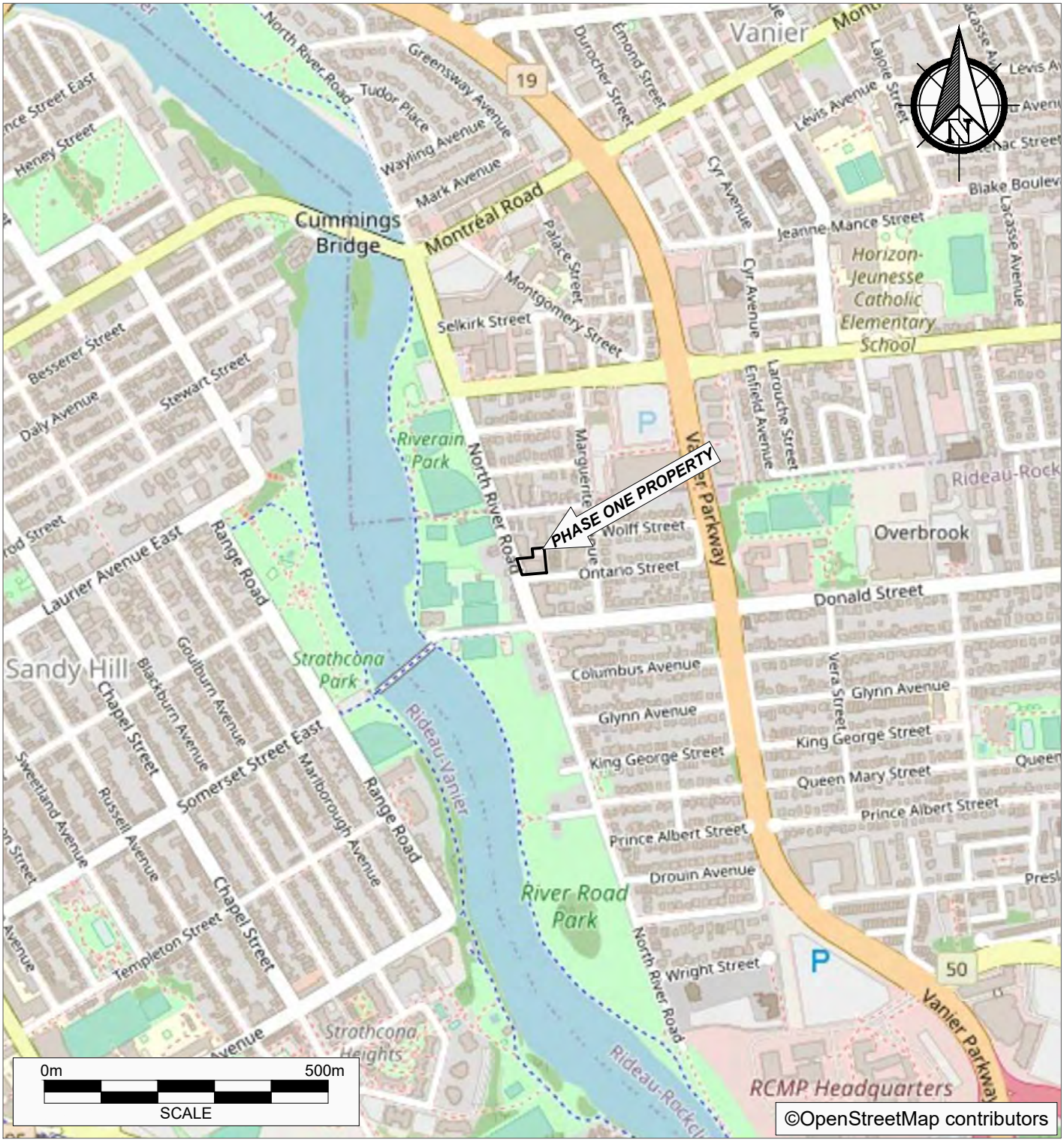
10.0 APPENDICES

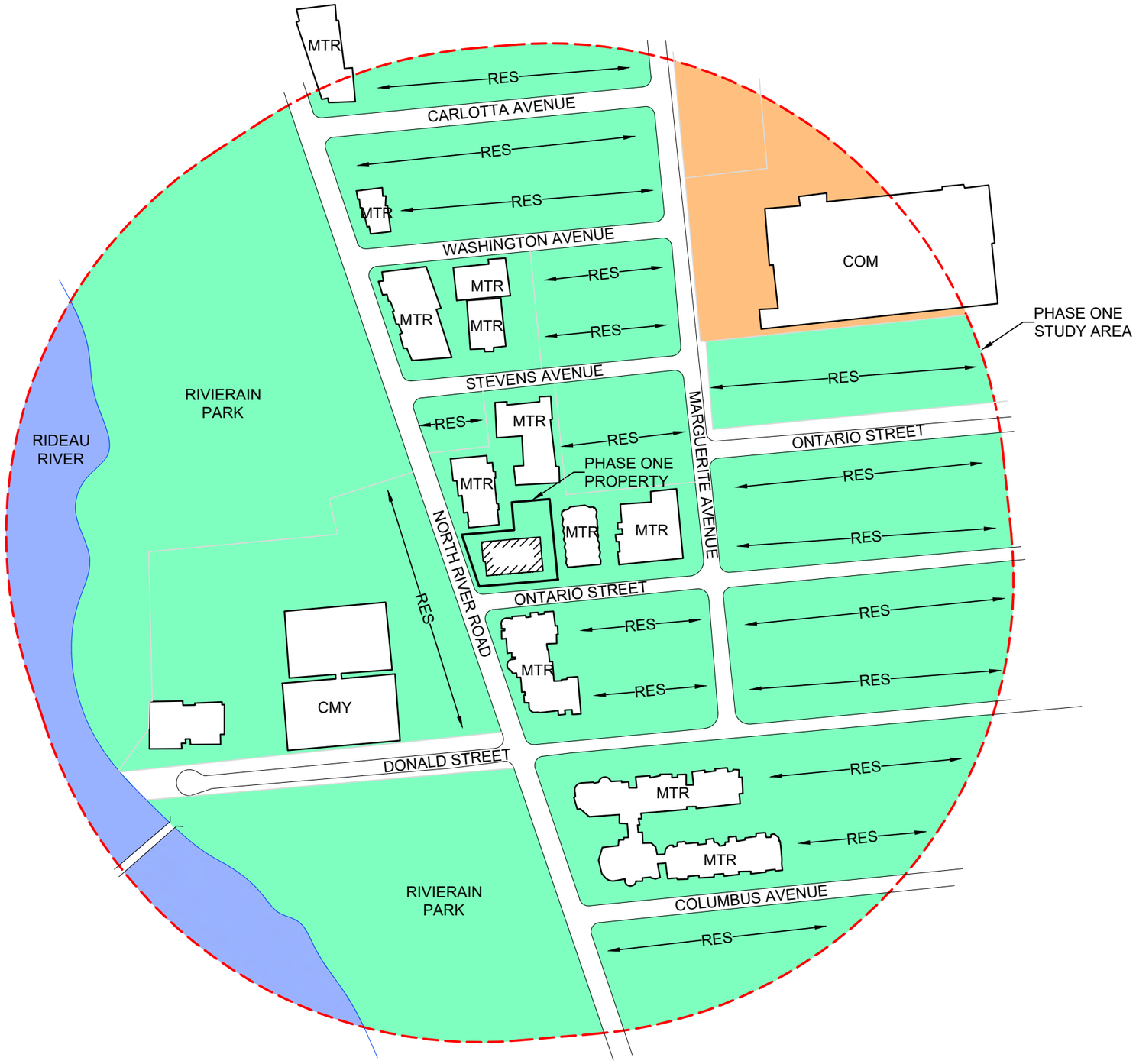
APPENDIX A

Figures



PINCHIN

PROJECT NAME	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
CLIENT NAME	GEMSTONE CONSTRUCTION CORPORATION ON BEHALF OF GEMSTONE RIVER ROAD
PROJECT LOCATION	949 NORTH RIVER ROAD, OTTAWA, ONTARIO
FIGURE NAME	KEY MAP
FIGURE NO.	1
SCALE	AS SHOWN
PROJECT NO.	283759.002
DATE	MAY 2021



N

LEGEND

- PHASE ONE PROPERTY BOUNDARY
- PHASE ONE STUDY AREA BOUNDARY
- SITE BUILDING
- MTR MULTI-TENANT RESIDENTIAL
- INDUSTRIAL/COMMERCIAL/ COMMUNITY LAND USE
- RESIDENTIAL/PARKLAND/ INSTITUTIONAL LAND USE
- RES RESIDENTIAL
- MTR MULTI-TENANT RESIDENTIAL
- COM COMMERCIAL
- CMY COMMUNITY

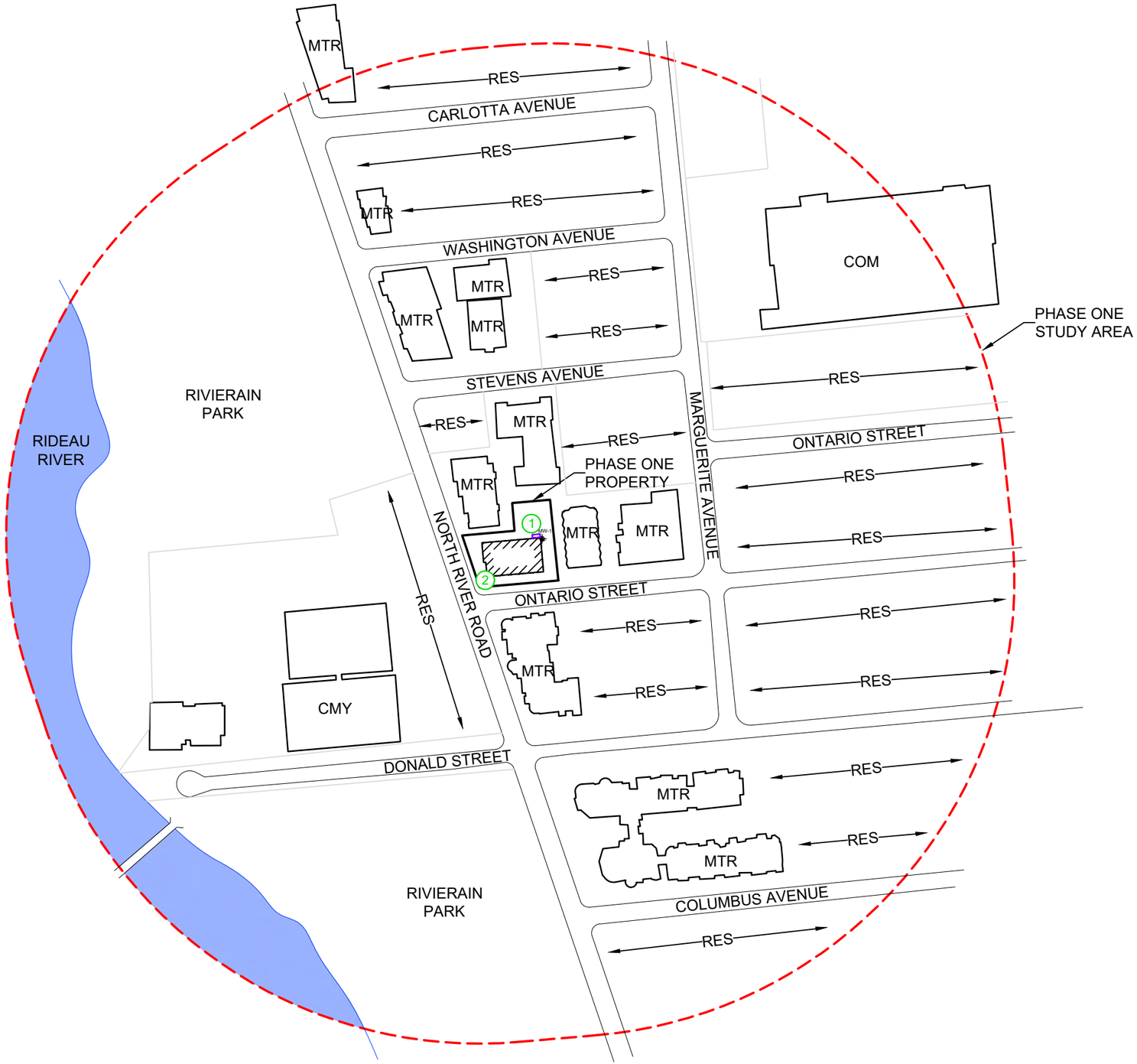
LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.

0m 125m
SCALE

INFERRED GROUNDWATER FLOW DIRECTION

PINCHIN

PROJECT NAME: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT	
CLIENT NAME: GEMSTONE CONSTRUCTION CORPORATION ON BEHALF OF GEMESTONE RIVER ROAD	
PROJECT LOCATION: 949 NORTH RIVER ROAD, OTTAWA, ONTARIO	
FIGURE NAME: PHASE ONE STUDY AREA	
PROJECT NUMBER: 283759.002	SCALE: AS SHOWN
DRAWN BY: KP	REVIEWED BY: DL
DATE: MAY 2021	FIGURE NUMBER: 2



N

LEGEND

- PHASE ONE PROPERTY BOUNDARY
- PHASE ONE STUDY AREA BOUNDARY
- SITE BUILDING
- MTR MULTI-TENANT RESIDENTIAL
- RES RESIDENTIAL
- MTR MULTI-TENANT RESIDENTIAL
- COM COMMERCIAL
- CMY COMMUNITY
- GROUNDWATER MONITORING WELL
- APPROXIMATE LOCATION OF FORMER UNDERGROUND STORAGE TANK
- APEC AREA OF POTENTIAL ENVIRONMENTAL CONCERN
- # PCA CONTRIBUTES TO AN APEC
- # PCA DOES NOT CONTRIBUTE TO AN APEC
- PCA POTENTIALLY CONTAMINATING ACTIVITY

LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.

0m 125m
SCALE

INFERRED GROUNDWATER FLOW DIRECTION

PINCHIN

PROJECT NAME: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT	
CLIENT NAME: GEMSTONE CONSTRUCTION CORPORATION ON BEHALF OF GEMESTONE RIVER ROAD	
PROJECT LOCATION: 949 NORTH RIVER ROAD, OTTAWA, ONTARIO	
FIGURE NAME: POTENTIALLY CONTAMINATING ACTIVITIES	
PROJECT NUMBER: 283759.002	SCALE: AS SHOWN
DRAWN BY: KP	REVIEWED BY: DL
DATE: MAY 2021	FIGURE NUMBER: 3

APPENDIX B

Photographs

Photo 1 – Site Building (north elevation).

Photo 2 – Site Building (south elevation).

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Photo 3 – Site Building (east elevation).

Photo 4 – Site Building (west elevation).

© 2021 Pinchin Ltd.

Photo 5 – Property located north of the Phase One Property.

Photo 6 – Property located south of the Phase One Property.

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Photo 7 – Property located east of the Phase One Property.

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

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Photo 9 – PCA #2 Transformer observed on the south portion of the Phase One Property.

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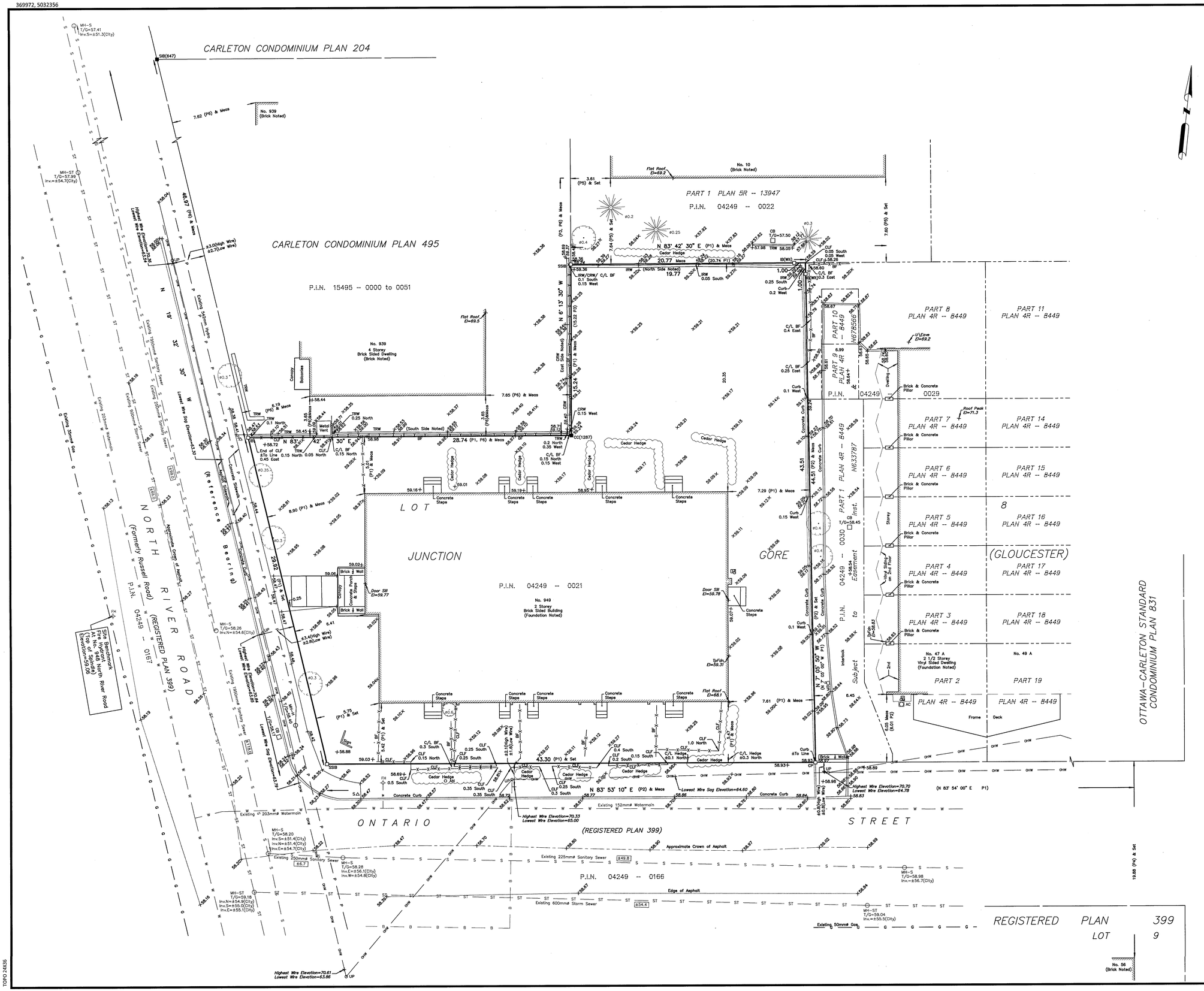
APPENDIX C

Survey Plan

369972, 5032356



TOPOGRAPHIC PLAN OF SURVEY OF

PART OF LOT 8
CONCESSION JUNCTION GORE
GEOGRAPHIC TOWNSHIP OF GLOUCESTER
CITY OF OTTAWA

FARLEY, SMITH & DENIS SURVEYING LTD. 2021

Scale 1: 150

0 1.5 3 6 9 12 15 metres

Metric Note
Distances and coordinates on this plan are in metres and can be converted to feet by dividing by 0.3048.

Distance Note
Distances shown on this plan are ground distances and can be converted to grid distances by multiplying by the combined scale factor of 0.99995.

Bearing Note
Bearings hereon are grid bearings derived from the Can-Net Real Time Network and are referred to the Central Meridian of MTM Zone 9 (76°30' West Longitude) Nad-83 (Original).

For bearing comparisons, a rotation of 0°28'30" counter-clockwise was applied to bearings on P1, P2, P3 & P6.

Elevation Notes
1. Elevations shown are geodetic and are referred to Geodetic Datum CGVD-1928 :1978.(FSD File No. 01-17)
2. It is the responsibility of the user of this information to verify that the job benchmark has not been altered or disturbed and that it's relative elevation and description agrees with the information shown on this drawing.

Utility Notes
1. This drawing cannot be accepted as acknowledging all of the utilities and it will be the responsibility of the user to contact the respective utility authorities for confirmation.
2. Only visible surface utilities were located.
3. Underground utility data compiled from City of Ottawa utility sheet reference: E-16-08, E-16-15, 13904 and D36-2.
4. Sanitary and storm sewer grades and inverts were derived\compiled from: Field measurement \ City of Ottawa
5. A field location of underground plant by the pertinent utility authority is mandatory before any work involving breaking ground, probing, excavating etc.

Notes & Legend

		Denotes
	"	Survey Monument Planted
	"	Survey Monument Found
SIB	"	Standard Iron Bar
SSIB	"	Short Standard Iron Bar
IB	"	Iron Bar
(Wit)	"	Witness
Meas	"	Measured
(P1)	"	Plan by (857) dated November 6, 1985 (Ref. No. 15-8 (J.G) GR)
(P2)	"	Plan 4R-8449
(P3)	"	Plan 5R-12500
(P4)	"	Plan 4R-22440
(P5)	"	Plan by (1287) dated May 28, 1991 (Job No. 37-91)
(P6)	"	CARLETON CONDOMINIUM PLAN 495
MH-ST	"	Maintenance Hole (Storm)
MH-S	"	Maintenance Hole (Sanitary)
MH-H	"	Maintenance Hole (Hydro)
ST	"	Underground Storm Sewer
S	"	Underground Sanitary Sewer
W	"	Underground Water
P	"	Underground Power
G	"	Underground Gas
OHW	"	Overhead Wires
B	"	Underground Bell
UP	"	Utility Pole
AN	"	Anchor
CB	"	Catch Basin
FH	"	Fire Hydrant
GM	"	Gas Meter
	"	Deciduous Tree - The Symbol shown denotes location and trunk diameter only. Size of its' root system/overhead canopy may be smaller/larger than the symbol size depicted on this plan.
	"	Coniferous Tree - The Symbol shown denotes location and trunk diameter only. Size of its' root system/overhead canopy may be smaller/larger than the symbol size depicted on this plan.
S	"	Sign
AC	"	Air Conditioner
Ø	"	Diameter
CLF	"	Chain Link Fence
BF	"	Board Fence
CRW	"	Concrete Retaining Wall
TRW	"	Timber Retaining Wall
Inv.	"	Invert
T/G	"	Top of Grate
El	"	Elevation
U/Eave	"	Underside of Eave
TpFdn	"	Top of Foundation
C/L	"	Centreline
+65.00	"	Location of Elevations
+65.00	"	Top of Concrete Curb Elevation

ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
V-10891

THIS PLAN IS NOT VALID UNLESS IT IS AN EMBOSSED ORIGINAL COPY ISSUED BY THE SURVEYOR In accordance with Regulation 1026, Section 29 (3).

TOPOGRAPHIC DATA WAS COLLECTED UNDER WINTER CONDITIONS. SNOW COVER AND ICE PRECLUDE DETERMINING LOCATION AND ELEVATION OF SOME TOPOGRAPHICAL DATA THAT IS OTHERWISE VISIBLE.

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Surveyor's Certificate
I certify that :
1. This survey and plan are correct and in accordance with the Surveys Act, the Surveyors Act and the Regulations made under them.
2. The survey was completed on the 11th day of March, 2021.

March 23/2021
Date

Ernad Alrefaai
Ontario Land Surveyor

FARLEY, SMITH & DENIS SURVEYING LTD.

ONTARIO LAND SURVEYORS
CANADA LAND SURVEYORS

190 COLONNADE ROAD, OTTAWA, ONTARIO K2E 7J5
TEL. (613) 727-8226 FAX. (613) 727-1826

FILE No. : 53-21

TOPO 2AK36

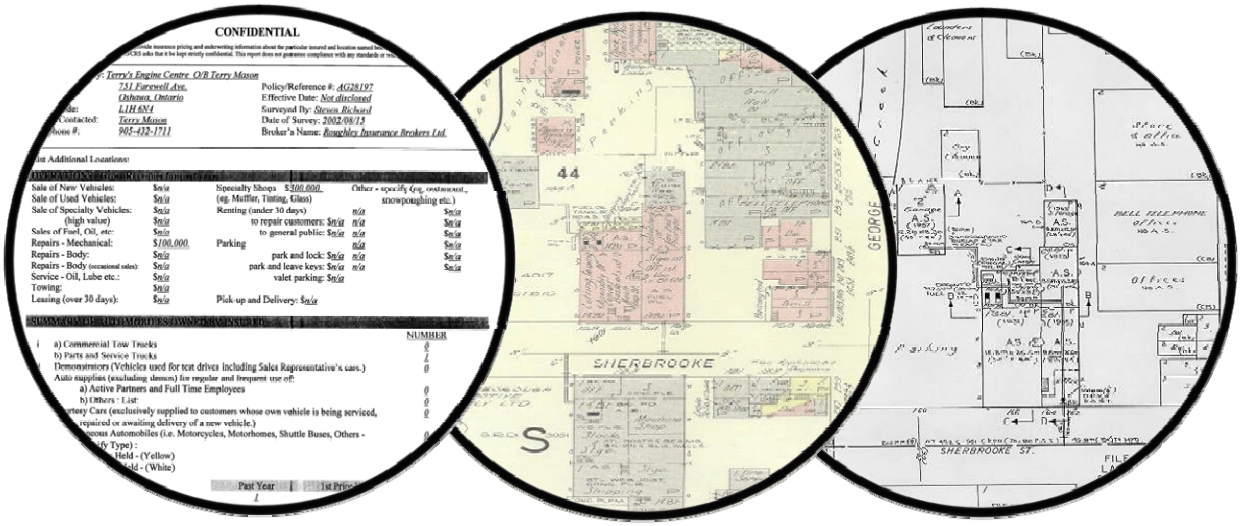
J:\2021\53-21_949 North River Rd, Ontario St_topo\Final\53-21 949 North River Rd_LT8 C JG GL_Topo_F.dwg

APPENDIX D

RMS Records

HEIRS™

Historical
Environmental
Information
Reporting
System



Site Address:
949 North River Road,
Ottawa, ON

Project No:
62952

Requested by:
Mike Kosiw
Pinchin Environmental

Date Completed:
November 24, 2010

RISK MANAGEMENT SERVICES
An **SCM** Company

150 Commerce Valley Drive W
Thornhill, ON L3T 7Z3
Tel: (905) 882-6300 ext 5210
www.scm-rms.ca

Report Completed By:
Devon Mallay

HEIRS™

Historical
Environmental
Information
Reporting
System

NO RECORDS FOUND

Site Address:
949 North River Road,
Ottawa, ON

Project No:
62952

ISO 9001 Certified

Risk Management Services

150 Commerce Valley Drive W
8th Floor
Markham, ON
L3T 7Z3

Tel: (905) 882-6300 x5405
Fax: (905) 695-6543

Historical Environmental Information Reporting System (HEIRS™)

Mike Kosiw
Pinchin Environmental
515 Legget Drive
Kanata, ON
K2K 3G4

November 24, 2010

Regarding: 949 North River Road, Ottawa - 62952

As requested, we have searched our records concerning the above site and the following information as listed below is appended hereto:

Information	Date(s)
Fire Insurance Plan(s)	NRF
Property Underwriters' Report(s)	NRF
Property Underwriters' Plan(s)	NRF

NRF: No Records Found NO: Not Ordered

Our invoice in the amount of $40.00 (+ HST) for the information provided will follow in due course.

Thank you for employing our services.

Devon Mallay
Environmental Services

New Website – www.cgi-ibs.com/iao

TERMS AND CONDITIONS

Report. The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in RMS's records relating to the described property (hereinafter referred to as the "Property"). RMS makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. RMS does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.
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Entire Agreement. The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.
Governing Document. In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.
Law. This agreement shall be governed by and construed in accordance with the laws of the Province of * and the laws of Canada applicable therein.

APPENDIX E

ERIS Report

DATABASE REPORT

Project Property:	*949 North River Road Ottawa ON* *949 North River Road* *Ottawa ON K1K 1L1*
Project No:	*283759.002*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*21041900254*
Requested by:	*Pinchin Ltd.*
Date Completed:	*April 22, 2021*

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

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a database review of environmental records.

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Executive Summary

Property Information:

Project Property:	*949 North River Road Ottawa ON* *949 North River Road Ottawa ON K1K 1L1*
Project No:	*283759.002*

Coordinates:

Latitude:	*45.4279587*
Longitude:	*-75.6674581*
UTM Northing:	*5,030,709.63*
UTM Easting:	*447,787.19*
UTM Zone:	*18T*

Elevation:	*181 FT* *55.03 M*

Order Information:

Order No:	*21041900254*
Date Requested:	*April 19, 2021*
Requested by:	*Pinchin Ltd.*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

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

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	2	2
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	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
DTNK	Delisted Fuel Tanks	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	3	5	8
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	1	24	25
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	3	3

Database	Name	Searched	Project Property	Within 0.25 km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	4	4
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (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
NEBP	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
OGWE	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	5	5
PINC	Pipeline Incidents	Y	0	2	2
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	1	1
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	9	9
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage 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	10	10
		Total:	4	65	69

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	GEN	Harold Levin In Trust (District Realty Corp)	949 River Rd Vanier ON	-/0.0	0.85	24
1	EHS		949 North River Road Ottawa ON	-/0.0	0.85	24
1	EHS		949 North River Road Ottawa ON K1K 1L1	-/0.0	0.85	24
1	EHS		949 North River Road Ottawa ON K1K 1L1	-/0.0	0.85	24

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		949 NORTH RIVER RD OTTAWA ON ***Well ID:*** 7158469	ESE/50.4	0.85	25
3	INC		939 RIVER RD, OTTAWA ON	N/54.9	0.88	28
3	INC		939 RIVER RD, OTTAWA ON	N/54.9	0.88	28
4	GEN	Carleton Condominium Corporation No. 423	959/969 North River Road Ottawa ON	SSE/76.5	0.94	29
4	GEN	CCC423	959-969 NORTH RIVER ROAD OTTAWA ON K1K 3V3	SSE/76.5	0.94	29
4	GEN	ELEVATION ELEVATOR INC	969 NORTH RIVER ROAD OTTAWA ON K1K 3V3	SSE/76.5	0.94	29
5	WWIS		lot 8 ON ***Well ID:*** 1500400	E/86.5	1.88	30
6	BORE		ON	E/86.5	1.88	32
7	EHS		14 Stevens Avenue Ottawa ON K1K 1K5	NE/97.5	1.64	33
7	EHS		14 Stevens Avenue Ottawa ON K1K 1K5	NE/97.5	1.64	33
8	SPL	Enbridge Gas Distribution Inc.	11 Donald Ave Ottawa ON	SSE/102.1	1.00	34
9	HINC		NORTH RIVER ROAD & STEVENS AVENUE OTTAWA ON	NW/102.2	-0.15	34

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
10	EHS		69 Donald St Ottawa ON K1K1N3	ESE/107.5	0.85	34
11	SPL	PRIVATE RESIDENCE	RIVER RD. & DONALD STREET STORAGE TANK/BARREL OTTAWA CITY ON	SSE/108.6	1.00	35
12	HINC		9 STEVENS AVENUE Ottawa ON	N/129.0	0.85	35
12	GEN	1070481 ONT INC	9 Stevens Avenue Ottawa ON K1K 1K4	N/129.0	0.85	36
12	INC	EDGEWOOD CARE CENTRE	9 STEVENS AVE,,OTTAWA,ON,K1K 1K4, CA ON	N/129.0	0.85	36
13	RSC	Les Terrasses Gabrielle Inc.	VACANT LOT AND NO MUNICIPAL ADDRESS IS ASSIGNED TO IT, OTTAWA ON	NNW/131.8	-0.15	36
13	EHS		399 to 411 North River Road Ottawa ON	NNW/131.8	-0.15	37
14	WWIS		5 WOLFF ST Ottawa ON ***Well ID:*** 7179948	ENE/165.6	2.93	37
15	GEN	CCC553	62 DONALD STREET OTTAWA ON K1K 4L1	SE/171.4	1.93	39
15	GEN	Regional Elevator	62 Donald Street Ottawa ON K1K 4L1	SE/171.4	1.93	40
16	WWIS		100 MACARTHUR Ottawa ON ***Well ID:*** 7201644	NE/185.4	2.85	40
17	EHS		411 North River Road Ottawa ON	NNW/188.3	0.93	43
17	INC		411 NORTH RIVER ROAD, OTTAWA ON	NNW/188.3	0.93	43

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
18	WWIS		100 MACARTHUR Ottawa ON ***Well ID:*** 7201642	NE/189.3	1.92	44
18	WWIS		100 MACARTHUR AVE Ottawa ON ***Well ID:*** 7201640	NE/189.3	1.92	47
19	GEN	PARKER CLEAN	A CHAROD CORPORATION 411 MARGUERITE AVENUE VANIER ON K1L 7W4	NE/199.4	1.92	50
19	GEN	PARKER CLEAN (OUT OF BUSINESS)	A CHAROD CORPORATION 411 MARGUERITE AVENUE VANIER ON K1L 7W4	NE/199.4	1.92	50
19	GEN	PARKER CLEAN (OUT OF BUSINESS) 30-076	A CHAROD CORPORATION 411 MARGUERITE AVENUE VANIER ON K1L 7W4	NE/199.4	1.92	50
20	SPL	Enbridge Gas Distribution Inc.	37 Washington Ave Ottawa ON	NNE/203.2	1.85	51
20	PINC	PIPELINE HIT - 1/2"	37 WASHINGTON AVE,,OTTAWA,ON,K1L 6S7,CA ON	NNE/203.2	1.85	51
21	WWIS		lot 8 Ottawa ON ***Well ID:*** 7228089	WSW/204.5	-2.15	52
22	WWIS		100 MACARTHUR Ottawa ON ***Well ID:*** 7201643	NE/209.0	1.92	53
23	SPL		1004 Northriver Road Ottawa ON K1K 3V4	SSE/213.8	-0.18	56
23	HINC		1004 NORTH RIVER ROAD OTTAWA ON K1K 3V4	SSE/213.8	-0.18	57
24	WWIS		ON ***Well ID:*** 1508596	E/224.2	2.82	57

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
25	WWIS		100 MACARTHUR AVE. Ottawa ON ***Well ID:*** 7208647	NE/227.0	2.64	59
26	SPL	TRANSPORT TRUCK	STORM SEWER C/B AT LOBLAWS PARKING LOT, 100 MCARTHUR AVENUE MOTOR VEHICLE (OPERATING FLUID) VANIER CITY ON	ENE/242.0	2.85	63
26	PES	LOBLAWS LIMITED C.O.B. AS "LOBLAWS" WAREHOUSE 049-0	100 MCARTHUR ROAD VANIER ON K1L 8H5	ENE/242.0	2.85	63
26	PES	LOBLAWS COMPANIES EAST	100 MCARTHUR RD VANIER ON K1L 8H5	ENE/242.0	2.85	64
26	GEN	LOBLAWS SUPERMARKETS LTD.	100 MCARTHUR ROAD VANIER ON K1L 6P9	ENE/242.0	2.85	64
26	GEN	LOBLAWS SUPERMARKETS LIMITED	100 MCARTHUR ROAD VANIER ON K1L 6P9	ENE/242.0	2.85	64
26	PES	LOBLAWS COMPANIES EAST	100 MCARTHUR RD VANIER ON K1L 8H5	ENE/242.0	2.85	65
26	SPL	Parson Refrigeration (1985) Ltd.	100 McArthur Rd Ottawa ON	ENE/242.0	2.85	65
26	SPL		100 Mcarther Ave. Ottawa ON	ENE/242.0	2.85	65
26	GEN	Loblaw Properties Limited	100 McArthur Avenue Ottawa ON	ENE/242.0	2.85	66
26	SPL	Parson Refrigeration (1985) Ltd.	100 McArthur Road, Vanier Ottawa ON	ENE/242.0	2.85	66
26	GEN	Loblaws Inc.	100 McArthur Road Ottawa ON	ENE/242.0	2.85	67
26	SPL	Loblaws Inc.	100 McArthur Road Ottawa ON K1L 8H5	ENE/242.0	2.85	67

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
26	PES	LOBLAWS	100 MCARTHUR RD VANIER ON K1L6P9	ENE/242.0	2.85	67
26	GEN	Loblaw Properties Limited	100 McArthur Avenue Ottawa ON K1L 8H5	ENE/242.0	2.85	68
26	GEN	Loblaw Properties Limited	100 McArthur Avenue Ottawa ON K1L 8H5	ENE/242.0	2.85	69
26	GEN	Loblaws Inc.	100 McArthur Road Ottawa ON K1L 8H5	ENE/242.0	2.85	69
26	GEN	Loblaw Properties Limited	100 McArthur Avenue Ottawa ON K1L 8H5	ENE/242.0	2.85	69
26	PES	LOBLAWS LIMITED C.O.B.AS "LOBLAWS WAREHOUSE 049-0	100 MCARTHUR ROAD VANIER ON K1L6P9	ENE/242.0	2.85	71
26	GEN	Loblaw Properties Limited	100 McArthur Avenue Ottawa ON K1L 8H5	ENE/242.0	2.85	71
26	GEN	Loblaw Properties Limited	100 McArthur Avenue Ottawa ON K1L 8H5	ENE/242.0	2.85	73
27	BORE		ON	E/244.5	3.54	74
28	PINC		25 Columbus Avenue, Ottawa ON K1K 1R2	ESE/245.8	2.89	75
29	GEN	UNIFIRST CANADA LTD.	381 MARGUERITE AVENUE VANIER ON K1L 7W4	NE/249.4	2.89	76
29	GEN	MODERN CLEANING SERV OTTAWA LTD	381 MARGUERITE STREET VANIER ON K1L 7W4	NE/249.4	2.89	76
29	GEN	MODERN CLEANING SERV OTTAWA LTD.	381 MARGUERITE STREET VANIER ON K1L 7W4	NE/249.4	2.89	76

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
29	GEN	MODERN CLEANING SERV OTTAWA LTD 27-042	381 MARGUERITE STREET VANIER ON K1L 7W4	NE/249.4	2.89	77
29	GEN	MODERN CLEANING SERVICE OTTAWA LIMITED	381 MARGUERITE STREET VANIER ON K1L 7W4	NE/249.4	2.89	77

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 2 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	E	86.51	6
	ON	E	244.54	27

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2021 has found that there are 8 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	949 North River Road Ottawa ON K1K 1L1	-	0.00	1
	949 North River Road Ottawa ON K1K 1L1	-	0.00	1
	949 North River Road Ottawa ON	-	0.00	1
	14 Stevens Avenue Ottawa ON K1K 1K5	NE	97.50	7
	14 Stevens Avenue Ottawa ON K1K 1K5	NE	97.50	7
	69 Donald St Ottawa ON K1K1N3	ESE	107.49	10

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	411 North River Road Ottawa ON	NNW	188.26	17

Lower Elevation	Address	Direction	Distance (m)	Map Key
	399 to 411 North River Road Ottawa ON	NNW	131.82	13

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jan 31, 2021 has found that there are 25 GEN site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Harold Levin In Trust (District Realty Corp)	949 River Rd Vanier ON	-	0.00	1
Carleton Condominium Corporation No. 423	959/969 North River Road Ottawa ON	SSE	76.49	4
CCC423	959-969 NORTH RIVER ROAD OTTAWA ON K1K 3V3	SSE	76.49	4
ELEVATION ELEVATOR INC	969 NORTH RIVER ROAD OTTAWA ON K1K 3V3	SSE	76.49	4
1070481 ONT INC	9 Stevens Avenue Ottawa ON K1K 1K4	N	129.04	12
CCC553	62 DONALD STREET OTTAWA ON K1K 4L1	SE	171.43	15
Regional Elevator	62 Donald Street Ottawa ON K1K 4L1	SE	171.43	15

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
PARKER CLEAN	A CHAROD CORPORATION 411 MARGUERITE AVENUE VANIER ON K1L 7W4	NE	199.38	19
PARKER CLEAN (OUT OF BUSINESS)	A CHAROD CORPORATION 411 MARGUERITE AVENUE VANIER ON K1L 7W4	NE	199.38	19
PARKER CLEAN (OUT OF BUSINESS) 30-076	A CHAROD CORPORATION 411 MARGUERITE AVENUE VANIER ON K1L 7W4	NE	199.38	19
LOBLAWS SUPERMARKETS LTD.	100 MCARTHUR ROAD VANIER ON K1L 6P9	ENE	241.97	26
LOBLAWS SUPERMARKETS LIMITED	100 MCARTHUR ROAD VANIER ON K1L 6P9	ENE	241.97	26
Loblaw Properties Limited	100 McArthur Avenue Ottawa ON	ENE	241.97	26
Loblaws Inc.	100 McArthur Road Ottawa ON	ENE	241.97	26
Loblaw Properties Limited	100 McArthur Avenue Ottawa ON K1L 8H5	ENE	241.97	26
Loblaw Properties Limited	100 McArthur Avenue Ottawa ON K1L 8H5	ENE	241.97	26
Loblaws Inc.	100 McArthur Road Ottawa ON K1L 8H5	ENE	241.97	26
Loblaw Properties Limited	100 McArthur Avenue Ottawa ON K1L 8H5	ENE	241.97	26
Loblaw Properties Limited	100 McArthur Avenue Ottawa ON K1L 8H5	ENE	241.97	26

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Loblaw Properties Limited	100 McArthur Avenue Ottawa ON K1L 8H5	ENE	241.97	26
UNIFIRST CANADA LTD.	381 MARGUERITE AVENUE VANIER ON K1L 7W4	NE	249.42	29
MODERN CLEANING SERV OTTAWA LTD	381 MARGUERITE STREET VANIER ON K1L 7W4	NE	249.42	29
MODERN CLEANING SERV OTTAWA LTD.	381 MARGUERITE STREET VANIER ON K1L 7W4	NE	249.42	29
MODERN CLEANING SERV OTTAWA LTD 27-042	381 MARGUERITE STREET VANIER ON K1L 7W4	NE	249.42	29
MODERN CLEANING SERVICE OTTAWA LIMITED	381 MARGUERITE STREET VANIER ON K1L 7W4	NE	249.42	29

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 3 HINC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	9 STEVENS AVENUE Ottawa ON	N	129.04	12

Lower Elevation	Address	Direction	Distance (m)	Map Key
	NORTH RIVER ROAD & STEVENS AVENUE OTTAWA ON	NW	102.21	9
	1004 NORTH RIVER ROAD OTTAWA ON K1K 3V4	SSE	213.76	23

INC - Fuel Oil Spills and Leaks

A search of the INC database, dated Jul 31, 2020 has found that there are 4 INC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	939 RIVER RD, OTTAWA ON	N	54.91	3
	939 RIVER RD, OTTAWA ON	N	54.91	3
EDGEWOOD CARE CENTRE	9 STEVENS AVE,,OTTAWA,ON,K1K 1K4,CA ON	N	129.04	12
	411 NORTH RIVER ROAD, OTTAWA ON	NNW	188.26	17

PES - Pesticide Register

A search of the PES database, dated Oct 2011-Feb 28, 2021 has found that there are 5 PES site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
LOBLAWS LIMITED C.O.B.AS "LOBLAWS WAREHOUSE 049-0	100 MCARTHUR ROAD VANIER ON K1L6P9	ENE	241.97	26
LOBLAWS	100 MCARTHUR RD VANIER ON K1L6P9	ENE	241.97	26
LOBLAWS COMPANIES EAST	100 MCARTHUR RD VANIER ON K1L 8H5	ENE	241.97	26
LOBLAWS COMPANIES EAST	100 MCARTHUR RD VANIER ON K1L 8H5	ENE	241.97	26

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
LOBLAWS LIMITED C.O.B. AS "LOBLAWS" WAREHOUSE 049-0	100 MCARTHUR ROAD VANIER ON K1L 8H5	ENE	241.97	26

PINC - Pipeline Incidents

A search of the PINC database, dated Oct 31, 2020 has found that there are 2 PINC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
PIPELINE HIT - 1/2"	37 WASHINGTON AVE,,OTTAWA,ON, K1L 6S7,CA ON	NNE	203.21	20
	25 Columbus Avenue, Ottawa ON K1K 1R2	ESE	245.77	28

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Mar 2021 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
Les Terrasses Gabrielle Inc.	VACANT LOT AND NO MUNICIPAL ADDRESS IS ASSIGNED TO IT, OTTAWA ON	NNW	131.82	13

SPL - Ontario Spills

A search of the SPL database, dated 1988-Mar 2020; Jul 2020 - Aug 2020 has found that there are 9 SPL site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Enbridge Gas Distribution Inc.	11 Donald Ave Ottawa ON	SSE	102.14	8
PRIVATE RESIDENCE	RIVER RD. & DONALD STREET STORAGE TANK/BARREL OTTAWA CITY ON	SSE	108.60	11
Enbridge Gas Distribution Inc.	37 Washington Ave Ottawa ON	NNE	203.21	20

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
TRANSPORT TRUCK	STORM SEWER C/B AT LOBLAWS PARKING LOT, 100 MCARTHUR AVENUE MOTOR VEHICLE (OPERATING FLUID) VANIER CITY ON	ENE	241.97	26
Loblaws Inc.	100 McArthur Road Ottawa ON K1L 8H5	ENE	241.97	26
Parson Refrigeration (1985) Ltd.	100 McArthur Road, Vanier Ottawa ON	ENE	241.97	26
	100 Mcarther Ave. Ottawa ON	ENE	241.97	26
Parson Refrigeration (1985) Ltd.	100 McArthur Rd Ottawa ON	ENE	241.97	26

Lower Elevation	Address	Direction	Distance (m)	Map Key
	1004 Northriver Road Ottawa ON K1K 3V4	SSE	213.76	23

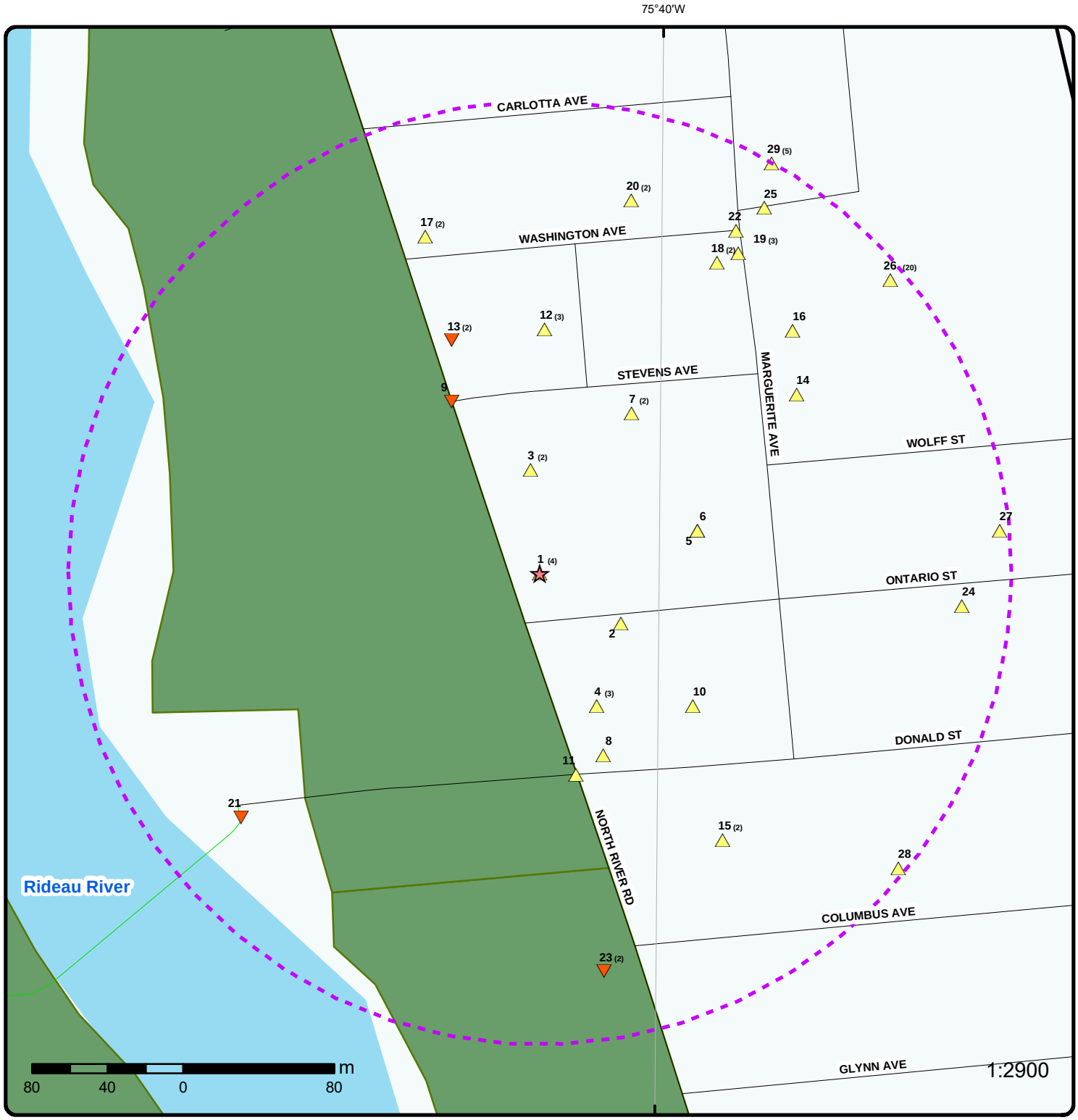
WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 10 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	949 NORTH RIVER RD OTTAWA ON ***Well ID:*** 7158469	ESE	50.42	2
	lot 8 ON ***Well ID:*** 1500400	E	86.45	5
	5 WOLFF ST Ottawa ON	ENE	165.63	14

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Well ID: 7179948			
	100 MACARTHUR Ottawa ON	NE	185.43	16
	Well ID: 7201644			
	100 MACARTHUR AVE Ottawa ON	NE	189.26	18
	Well ID: 7201640			
	100 MACARTHUR Ottawa ON	NE	189.26	18
	Well ID: 7201642			
	100 MACARTHUR Ottawa ON	NE	208.98	22
	Well ID: 7201643			
	ON	E	224.20	24
	Well ID: 1508596			
	100 MACARTHUR AVE. Ottawa ON	NE	226.95	25
	Well ID: 7208647			

Lower Elevation	Address	Direction	Distance (m)	Map Key
	lot 8 Ottawa ON	WSW	204.52	21
	Well ID: 7228089			



Map: 0.25 Kilometer Radius

Order Number: 21041900254

Address: 949 North River Road, Ottawa, ON

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

Source: © 2015 DMTI Spatial Inc.

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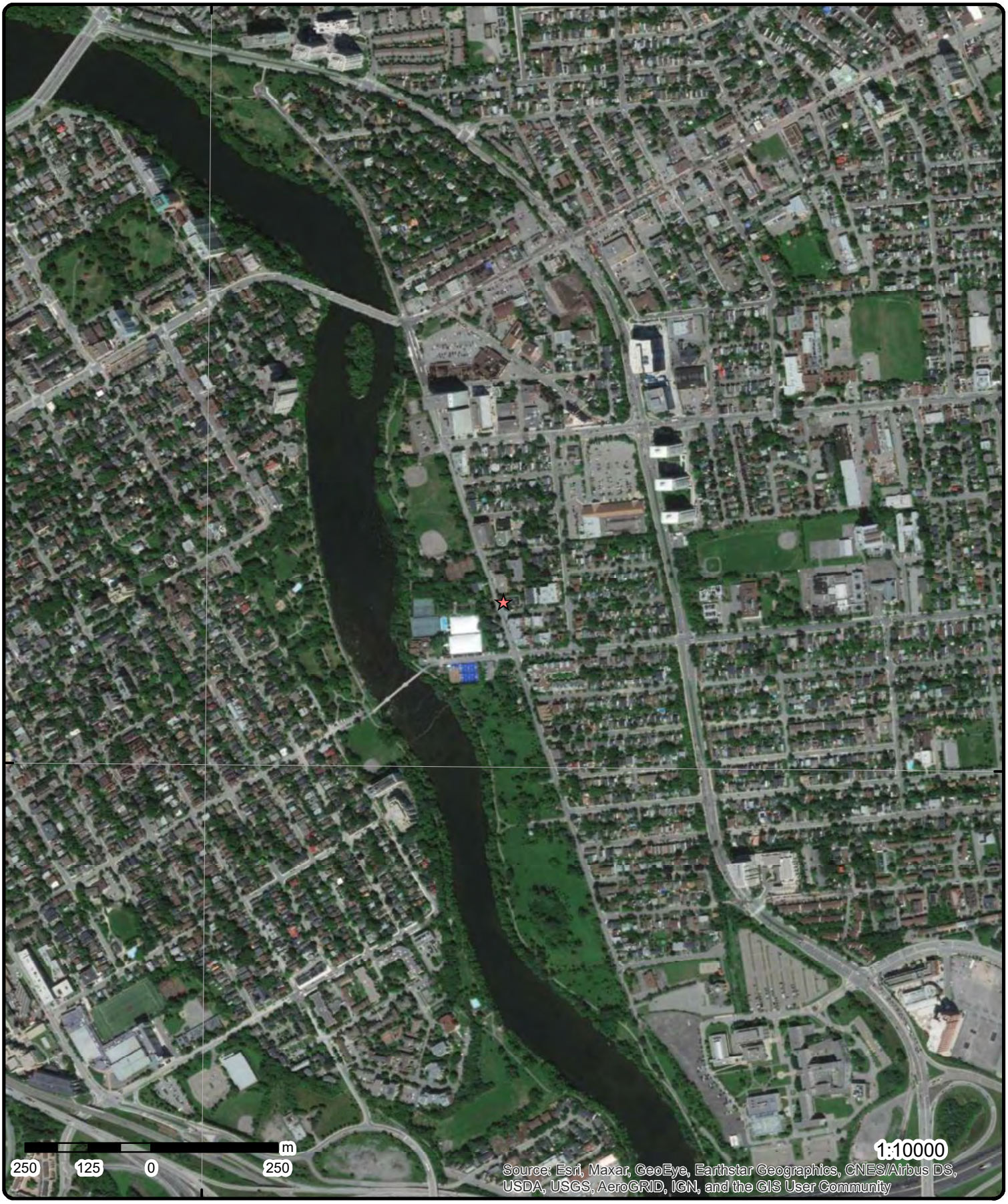
75°40'30"W

45°25'30"N



45°25'30"N

Aerial

Year: 2008

Order Number: 21041900254

Address: 949 North River Road, Ottawa, ON

Source: ESRI World Imagery

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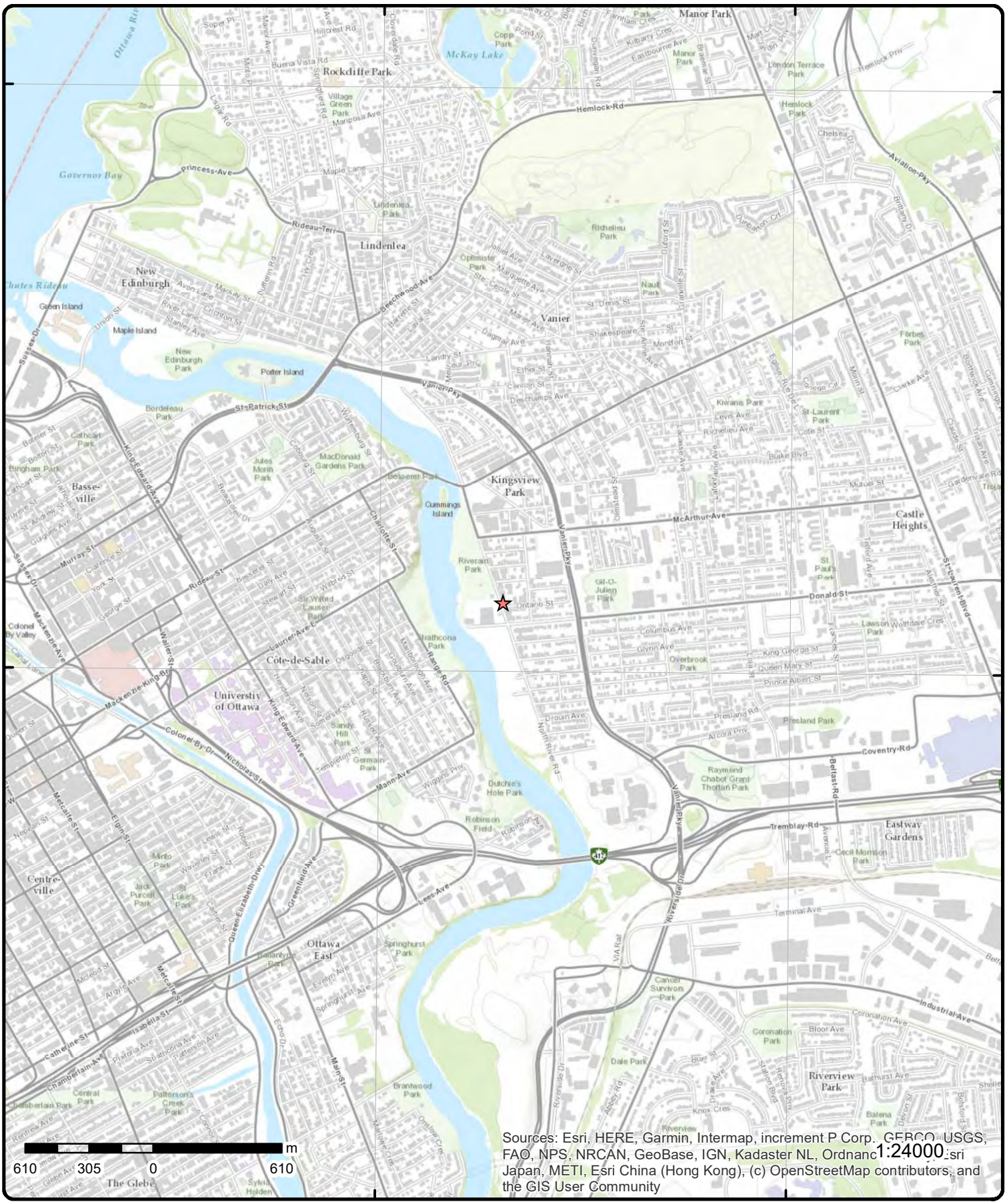

Topographic Map

Order Number: 21041900254

Address: 949 North River Road, ON

Source: ESRI World Topographic Map

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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 4	-/0.0	55.9 / 0.85	Harold Levin In Trust (District Realty Corp) 949 River Rd Vanier ON	GEN

Generator No: ON6922935
Status:
Approval Years: 06
Contam. Facility:
MHSW Facility:
SIC Code: 551113
SIC Description: Holding Companies

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

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	2 of 4	-/0.0	55.9 / 0.85	949 North River Road Ottawa ON	EHS

Order No: 20101118014
Status: C
Report Type: Custom Report
Report Date: 11/24/2010
Date Received: 11/18/2010 10:30:17 AM
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -75.66728
Y: 45.427931

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	3 of 4	-/0.0	55.9 / 0.85	949 North River Road Ottawa ON K1K 1L1	EHS

Order No: 20303000025
Status: C
Report Type: Standard Report
Report Date: 04-NOV-20
Date Received: 30-OCT-20
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.6674581
Y: 45.4279587

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	4 of 4	-/0.0	55.9 / 0.85	949 North River Road Ottawa ON K1K 1L1	EHS

Order No: 20303000025
Status: C
Report Type: Standard Report
Report Date: 04-NOV-20
Date Received: 30-OCT-20
Previous Site Name:
Lot/Building Size:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.6674581
Y: 45.4279587

Additional Info Ordered:

2	1 of 1	ESE/50.4	55.9 / 0.85	949 NORTH RIVER RD OTTAWA ON	WWIS

Well ID:	7158469	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring and Test Hole	***Date Received:***	1/24/2011
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:	Z113214	***Owner:***	
Tag:	A097282	***Street Name:***	949 NORTH RIVER RD
Construction Method:		***County:***	OTTAWA
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:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7158469.pdf

Bore Hole Information

Bore Hole ID:	1003462060	***Elevation:***	57.653678
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	447830
Code OB Desc:		***North83:***	5030683
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	12/23/2010	***UTMRC Desc:***	margin of error : 10 - 30 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:	1003777535
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	2.13
Formation End Depth:	6.1
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003777533
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	27
Most Common Material:	OTHER
Mat2:	01
Mat2 Desc:	FILL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	.31
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003777534
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	.31
Formation End Depth:	2.13
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1003777545
Layer:	1
Plug From:	0
Plug To:	0.31
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1003777547
Layer:	3
Plug From:	2.74
Plug To:	6.1
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1003777546
Layer:	2
Plug From:	0.31
Plug To:	2.74
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1003777543
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	1003777532
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003777539
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	3.05
Casing Diameter:	4.03
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003777540
Layer:	1
Slot:	10
Screen Top Depth:	3.05
Screen End Depth:	6.1
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.21

Water Details

Water ID:	1003777538
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1003777537
Diameter:	5.71
Depth From:	2.13
Depth To:	6.1
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1003777536

Diameter:	8.25
Depth From:	0
Depth To:	2.13
Hole Depth UOM:	m
Hole Diameter UOM:	cm

3	1 of 2	N/54.9	55.9 / 0.88	939 RIVER RD, OTTAWA ON	INC

Incident No:	1289488	**Any Health Impact:**	No
Incident ID:		**Any Enviro Impact:**	No
Instance No:		**Service Interrupted:**	Yes
Status Code:		**Was Prop Damaged:**	No
Attribute Category:	FS-Perform L1 Incident Insp	**Reside App. Type:**	
Context:		**Commer App. Type:**	
Date of Occurrence:	2013/11/25 00:00:00	**Indus App. Type:**	
Time of Occurrence:	NULL	**Institut App. Type:**	
Incident Created On:		**Venting Type:**	
Instance Creation Dt:		**Vent Conn Mater:**	
Instance Install Dt:		**Vent Chimney Mater:**	
Occur Insp Start Date:	2013/11/25 00:00:00	**Pipeline Type:**	
Approx Quant Rel:		**Pipeline Involved:**	
Tank Capacity:		**Pipe Material:**	
Fuels Occur Type:	CO Release	**Depth Ground Cover:**	
Fuel Type Involved:	Natural Gas	**Regulator Location:**	
Enforcement Policy:	NULL	**Regulator Type:**	
Prc Escalation Req:	NULL	**Operation Pressure:**	
Tank Material Type:		**Liquid Prop Make:**	
Tank Storage Type:		**Liquid Prop Model:**	
Tank Location Type:		**Liquid Prop Serial No:**	
Pump Flow Rate Cap:		**Liquid Prop Notes:**	
Task No:	4723917	**Equipment Type:**	
Notes:		**Equipment Model:**	
Drainage System:		**Serial No:**	
Sub Surface Contam.:		**Cylinder Capacity:**	
Aff Prop Use Water:		**Cylinder Cap Units:**	
Contam. Migrated:		**Cylinder Mat Type:**	
Contact Natural Env:		**Near Body of Water:**	
Incident Location:	939 RIVER RD, OTTAWA - CO RELEASE		
Occurence Narrative:	NULL		
Operation Type Involved:	Commercial (e.g. restaurant, business unit, etc)		
Item:			
Item Description:			
Device Installed Location:			

3	2 of 2	N/54.9	55.9 / 0.88	939 RIVER RD, OTTAWA ON	INC

Incident No:	1282452	**Any Health Impact:**	No
Incident ID:		**Any Enviro Impact:**	No
Instance No:		**Service Interrupted:**	Yes
Status Code:		**Was Prop Damaged:**	No
Attribute Category:	FS-Perform L1 Incident Insp	**Reside App. Type:**	
Context:		**Commer App. Type:**	
Date of Occurrence:	2013/11/13 00:00:00	**Indus App. Type:**	
Time of Occurrence:	NULL	**Institut App. Type:**	
Incident Created On:		**Venting Type:**	
Instance Creation Dt:		**Vent Conn Mater:**	
Instance Install Dt:		**Vent Chimney Mater:**	
Occur Insp Start Date:	2013/11/13 00:00:00	**Pipeline Type:**	
Approx Quant Rel:		**Pipeline Involved:**	
Tank Capacity:		**Pipe Material:**	
Fuels Occur Type:	CO Release	**Depth Ground Cover:**	

Fuel Type Involved:	Natural Gas	**Regulator Location:**	
Enforcement Policy:	NULL	**Regulator Type:**	
Prc Escalation Req:	NULL	**Operation Pressure:**	
Tank Material Type:		**Liquid Prop Make:**	
Tank Storage Type:		**Liquid Prop Model:**	
Tank Location Type:		**Liquid Prop Serial No:**	
Pump Flow Rate Cap:		**Liquid Prop Notes:**	
Task No:	4711537	**Equipment Type:**	
Notes:		**Equipment Model:**	
Drainage System:		**Serial No:**	
Sub Surface Contam.:		**Cylinder Capacity:**	
Aff Prop Use Water:		**Cylinder Cap Units:**	
Contam. Migrated:		**Cylinder Mat Type:**	
Contact Natural Env:		**Near Body of Water:**	
Incident Location:	939 RIVER RD, OTTAWA - CO RELEASE		
Occurence Narrative:	NULL		
Operation Type Involved:	Commercial (e.g. restaurant, business unit, etc)		
Item:			
Item Description:			
Device Installed Location:			

4	*1 of 3*	*SSE/76.5*	*56.0 / 0.94*	***Carleton Condominium Corporation No. 423*** ***959/969 North River Road*** ***Ottawa ON***	***GEN***

Generator No:	ON7900108	**PO Box No:**	
Status:		**Country:**	
Approval Years:	2011	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	238291		
SIC Description:			

4	*2 of 3*	*SSE/76.5*	*56.0 / 0.94*	***CCC423*** ***959-969 NORTH RIVER ROAD*** ***OTTAWA ON K1K 3V3***	***GEN***

Generator No:	ON9066463	**PO Box No:**	
Status:		**Country:**	Canada
Approval Years:	2014	**Choice of Contact:**	CO_OFFICIAL
Contam. Facility:	No	**Co Admin:**	
MHSW Facility:	No	**Phone No Admin:**	
SIC Code:	531310		
SIC Description:	REAL ESTATE PROPERTY MANAGERS		

Detail(s)

Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES

4	*3 of 3*	*SSE/76.5*	*56.0 / 0.94*	***ELEVATION ELEVATOR INC*** ***969 NORTH RIVER ROAD*** ***OTTAWA ON K1K 3V3***	***GEN***

Generator No:	ON4705764	**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:			

Detail(s)

Waste Class: 251 L
Waste Class Desc: Waste oils/sludges (petroleum based)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

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5 ***1 of 1*** ***E/86.5*** ***56.9 / 1.88*** ***lot 8 ON*** ***WWIS***

Well ID:	1500400	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Not Used	***Date Received:***	11/16/1948
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2311
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY (GLOUCESTER)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	008
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	JG
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500400.pdf

Bore Hole Information

Bore Hole ID:	10022445	***Elevation:***	58.430061
DP2BR:	20	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	447870.7
Code OB Desc:	Bedrock	***North83:***	5030732
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	9/30/1948	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930989174
Layer:	2
Color:	
General Color:	
Mat1:	17
Most Common Material:	SHALE
Mat2:	

Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	20
Formation End Depth:	65
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930989173
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	20
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961500400
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10571015
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930037824
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	65
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930037823
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991500400
Pump Set At:	
Static Level:	15
Final Level After Pumping:	55
Recommended Pump Depth:	
Pumping Rate:	2
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:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933452917
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60
Water Found Depth UOM:	ft

6 ***1 of 1*** ***E/86.5*** ***56.9 / 1.88*** ***ON*** **BORE**

Borehole ID:	613541	***Inclin FLG:***	No
OGF ID:	215514801	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	SEP-1948	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.428168
Total Depth m:	19.8	***Longitude DD:***	-75.666393
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	447871
Drill Method:		***Northing:***	5030732
Orig Ground Elev m:	57.9	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	58.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218395547	***Mat Consistency:***	Compact
Top Depth:	6.1	***Material Moisture:***	
Bottom Depth:	19.8	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Shale	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	

Material 4:
Depositional Gen:
Gsc Material Description:
Stratum Description: SHALE. 00060AY. GREY,STIFF,SENSITIVE. SILT. LOOSE TO COMPACT. 0002600200140005 00050 **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 218395546
Top Depth: 0
Bottom Depth: 6.1
Material Color:
Material 1: Clay
Material 2: Stones
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 06049 NTS_Sheet:
Confiden 1:

Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

7	1 of 2	NE/97.5	56.7 / 1.64	14 Stevens Avenue Ottawa ON K1K 1K5	EHS

Order No: 20302700107
Status: C
Report Type: Standard Report
Report Date: 30-OCT-20
Date Received: 27-OCT-20
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; Aerial Photos

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.6668463
Y: 45.4287233

7	2 of 2	NE/97.5	56.7 / 1.64	14 Stevens Avenue Ottawa ON K1K 1K5	EHS

Order No: 20302700107
Status: C
Report Type: Standard Report
Report Date: 30-OCT-20
Date Received: 27-OCT-20
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; Aerial Photos

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.6668463
Y: 45.4287233

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	1 of 1	SSE/102.1	56.0 / 1.00	Enbridge Gas Distribution Inc. 11 Donald Ave Ottawa ON	SPL

Ref No:	8124-B5W386	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2018/10/25	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	Corporation
Incident Cause:		**Sector Type:**	Other
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	35	**Nearest Watercourse:**	
Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	11 Donald Ave
Contaminant Limit 1:		**Site District Office:**	Ottawa
Contam Limit Freq 1:	any	**Site Postal Code:**	
Contaminant UN No 1:	1075	**Site Region:**	Eastern
Environment Impact:		**Site Municipality:**	Ottawa
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Air	**Northing:**	
MOE Response:	No	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2018/10/25	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error	**Source Type:**	Pipeline/Components
Site Name:	Residential<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSA FSB Half inch ln dmg, Made Safe		
Contaminant Qty:	1 other - see incident description		

9	1 of 1	NW/102.2	54.9 / -0.15	NORTH RIVER ROAD & STEVENS AVENUE OTTAWA ON	HINC

External File Num:	FS INC 0611-04180
Fuel Occurrence Type:	Pipeline Strike
Date of Occurrence:	11/13/2006
Fuel Type Involved:	Natural Gas
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	No
Property Damage:	Yes
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:Yes 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:	

10	1 of 1	ESE/107.5	55.9 / 0.85	69 Donald St Ottawa ON K1K1N3	EHS

Order No:	20141103040	**Nearest Intersection:**	
Status:	C	**Municipality:**	Ottawa

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	07-NOV-14	**Search Radius (km):**	.25
Date Received:	03-NOV-14	**X:**	-75.666415
Previous Site Name:		**Y:**	45.427329
Lot/Building Size:			
Additional Info Ordered:			

11	1 of 1	SSE/108.6	56.0 / 1.00	PRIVATE RESIDENCE RIVER RD. & DONALD STREET STORAGE TANK/BARREL OTTAWA CITY ON	SPL

Ref No:	17675	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	4/26/1989	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	OTHER CAUSE (N.O.S.)	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	NOT ANTICIPATED	**Site Municipality:**	20101
Nature of Impact:		**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	MOE
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	4/26/1989	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	DAMAGE BY MOVING EQUIPMENT	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	EXCAVATING COMPANY FOUND UNDERGROUND TANK WITH FUEL OIL:2250-4500L		
Contaminant Qty:			

12	1 of 3	N/129.0	55.9 / 0.85	9 STEVENS AVENUE Ottawa ON	HINC

External File Num:	FS INC 0610-03075
Fuel Occurrence Type:	Pipeline Strike
Date of Occurrence:	10/5/2006
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:	No
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:Yes Training: Yes Management:No 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:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Environmental Impact:

12	2 of 3	N/129.0	55.9 / 0.85	1070481 ONT INC 9 Stevens Avenue Ottawa ON K1K 1K4	GEN

Generator No:	ON6691995	***PO Box No:***	
Status:		***Country:***	
Approval Years:	2010	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	623221		
SIC Description:	Residential Substance Abuse Facilities		

Detail(s)

Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES

12	3 of 3	N/129.0	55.9 / 0.85	EDGEWOOD CARE CENTRE 9 STEVENS AVE,,OTTAWA,ON,K1K 1K4,CA ON	INC

Incident No:	2126206	***Any Health Impact:***	
Incident ID:		***Any Enviro Impact:***	
Instance No:	64762752	***Service Interrupted:***	
Status Code:		***Was Prop Damaged:***	
Attribute Category:	FS-Incident	***Reside App. Type:***	
Context:	NULL	***Commer App. Type:***	
Date of Occurrence:	7/26/2017	***Indus App. Type:***	
Time of Occurrence:		***Institut App. Type:***	
Incident Created On:	7/26/2017	***Venting Type:***	
Instance Creation Dt:	7/26/2017 2:48:06 PM	***Vent Conn Mater:***	
Instance Install Dt:	7/26/2017 2:48:06 PM	***Vent Chimney Mater:***	
Occur Insp Start Date:		***Pipeline Type:***	
Approx Quant Rel:		***Pipeline Involved:***	
Tank Capacity:		***Pipe Material:***	
Fuels Occur Type:		***Depth Ground Cover:***	
Fuel Type Involved:		***Regulator Location:***	
Enforcement Policy:		***Regulator Type:***	
Prc Escalation Req:		***Operation Pressure:***	
Tank Material Type:		***Liquid Prop Make:***	
Tank Storage Type:		***Liquid Prop Model:***	
Tank Location Type:		***Liquid Prop Serial No:***	
Pump Flow Rate Cap:		***Liquid Prop Notes:***	
Task No:		***Equipment Type:***	
Notes:		***Equipment Model:***	
Drainage System:		***Serial No:***	
Sub Surface Contam.:		***Cylinder Capacity:***	
Aff Prop Use Water:		***Cylinder Cap Units:***	
Contam. Migrated:		***Cylinder Mat Type:***	
Contact Natural Env:		***Near Body of Water:***	
Incident Location:	9 STEVENS AVE,,OTTAWA,ON,K1K 1K4,CA		
Occurence Narrative:			
Operation Type Involved:			
Item:	FS NON LICENSED FACILITY		
Item Description:	FS Non Licensed Facility		
Device Installed Location:	9 STEVENS AVE OTTAWA K1K 1K4 ON CA		

13	1 of 2	NNW/131.8	54.9 / -0.15	Les Terrasses Gabrielle Inc.	RSC

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				VACANT LOT AND NO MUNICIPAL ADDRESS IS ASSIGNED TO IT, OTTAWA ON	

RSC ID:	3345	**Cert Date:**	16-Dec-05
RA No:		**Cert Prop Use No:**	No CPU
RSC Type:		**Intended Prop Use:**	Residential
Curr Property Use:	Residential	**Qual Person Name:**	Francis Lepine
Ministry District:	OTTAWA	**Stratified (Y/N):**	
Filing Date:	19-Jun-06	**Audit (Y/N):**	
Date Ack:		**Entire Leg Prop. (Y/N):**	Yes
Date Returned:		**Accuracy Estimate:**	2 to 5 meters
Restoration Type:		**Telephone:**	613-5919090
Soil Type:		**Fax:**	613-5919095
Criteria:		**Email:**	
CPU Issued Sect 1686:	No		
Asmt Roll No:			
Prop ID No (PIN):			

Property Municipal Address: VACANT LOT AND NO MUNICIPAL ADDRESS IS ASSIGNED TO IT,
Mailing Address: Suite 300, 300 MARCH RD, KANATA, ON, K2K 2E2
Latitude & Latitude: 45.42906500N 75.66806700E
UTM Coordinates: NAD83 43-552259-5030833 (converted from Latitude & Longitude)
Consultant:
Legal Desc: ALL OF LOTS 1,2,12,13, AND PART OF LOTS 3 AND 14, PLAN 239 ALL BEING PARTS 1,4, AND 5, ON PLAN 4R-20690; RESERVING A RIGHT OF WAY FOR MAINTENANCE PURPOSES OVER PART 5, 4R-20690 IN FAVOUR OF THE OWNERS OF PARTS 2 AND 3, ON PLAN 4R-20690
Measurement Method: Postal Code Matching
Applicable Standards: Full Depth Site Conditions Standard, with Nonpotable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use
RSC PDF:

13	2 of 2	NNW/131.8	54.9 / -0.15	399 to 411 North River Road Ottawa ON	EHS

Order No:	20100423014	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	4/28/2010	**Search Radius (km):**	0.25
Date Received:	4/23/2010	**X:**	-75.668067
Previous Site Name:		**Y:**	45.429065
Lot/Building Size:			

Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory

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14	1 of 1	ENE/165.6	58.0 / 2.93	5 WOLFF ST Ottawa ON	WWIS

Well ID:	7179948	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	4/24/2012
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	6964
Casing Material:		**Form Version:**	7
Audit No:	Z134679	**Owner:**	
Tag:		**Street Name:**	5 WOLFF ST
Construction Method:		**County:**	
Elevation (m):		**Municipality:**	
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	

Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1003713604
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 4/5/2012
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation:
Elevrc:
Zone:
East83:
North83:
Org CS: UTM83
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1004289234
Layer: 2
Plug From: 0.1
Plug To: 0.6
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004289233
Layer: 1
Plug From: 0
Plug To: 0.1
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004289235
Layer: 3
Plug From: 0.6
Plug To: 3.66
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004289232
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1004289226

Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004289230
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: .61
Casing Diameter: 5.2
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1004289231
Layer: 1
Slot: 10
Screen Top Depth: 0.61
Screen End Depth: 3.66
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6

Water Details

Water ID: 1004289229
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004289228
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

---

15 | **1 of 2** | **SE/171.4** | **57.0 / 1.93** | **CCC553**
62 DONALD STREET
OTTAWA ON K1K 4L1 | **GEN**

Generator No: ON9891917
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 531310
SIC Description: REAL ESTATE PROPERTY MANAGERS

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

Detail(s)

Waste Class: 251

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Waste Class Desc: OIL SKIMMINGS & SLUDGES

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15 | **2 of 2** | **SE/171.4** | **57.0 / 1.93** | **Regional Elevator**
62 Donald Street
Ottawa ON K1K 4L1 | **GEN**

Generator No:	ON4643672	**PO Box No:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Jan 2021	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

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16 | **1 of 1** | **NE/185.4** | **57.9 / 2.85** | **100 MACARTHUR**
Ottawa ON | **WWIS**

Well ID:	7201644	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	5/15/2013
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z151025	**Owner:**	
Tag:	A145297	**Street Name:**	100 MACARTHUR
Construction Method:		**County:**	OTTAWA
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:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7201644.pdf

Bore Hole Information

Bore Hole ID:	1004301423	**Elevation:**	56.519649
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	447921
Code OB Desc:		**North83:**	5030838
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	3/26/2013	**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:	1004841402
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	
Most Common Material:	
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	0
Formation End Depth:	.31
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004841403
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	.31
Formation End Depth:	3.35
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004841404
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	71
Mat3 Desc:	FRACTURED
Formation Top Depth:	3.35
Formation End Depth:	7.93
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004841415
Layer:	3
Plug From:	4.57
Plug To:	7.93
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID: 1004841414
Layer: 2
Plug From: 0.31
Plug To: 4.57
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004841413
Layer: 1
Plug From: 0
Plug To: 0.31
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004841412
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1004841401
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004841408
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 4.88
Casing Diameter: 3.45
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1004841409
Layer: 1
Slot: 10
Screen Top Depth: 4.88
Screen End Depth: 7.93
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.21

Water Details

Water ID: 1004841407
Layer:
Kind Code:
Kind:

Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004841406
Diameter: 7.62
Depth From: 3.96
Depth To: 7.93
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1004841405
Diameter: 11.43
Depth From: 0
Depth To: 3.96
Hole Depth UOM: m
Hole Diameter UOM: cm

17	1 of 2	NNW/188.3	56.0 / 0.93	411 North River Road Ottawa ON	EHS

Order No:	20100628005	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	7/6/2010	**Search Radius (km):**	0.25
Date Received:	6/28/2010	**X:**	-75.66765
Previous Site Name:		**Y:**	45.429148
Lot/Building Size:			
Additional Info Ordered:			

17	2 of 2	NNW/188.3	56.0 / 0.93	411 NORTH RIVER ROAD, OTTAWA ON	INC

Incident No:	263678	**Any Health Impact:**	
Incident ID:	2415038	**Any Enviro Impact:**	
Instance No:		**Service Interrupted:**	
Status Code:	Causal Analysis Complete	**Was Prop Damaged:**	
Attribute Category:	FS-Incident	**Reside App. Type:**	Not applicable
Context:		**Commer App. Type:**	Other (specify using comments)
Date of Occurrence:		**Indus App. Type:**	Not applicable
Time of Occurrence:		**Institut App. Type:**	Not applicable
Incident Created On:		**Venting Type:**	Un-vented
Instance Creation Dt:		**Vent Conn Mater:**	None
Instance Install Dt:		**Vent Chimney Mater:**	Not applicable
Occur Insp Start Date:		**Pipeline Type:**	
Approx Quant Rel:		**Pipeline Involved:**	
Tank Capacity:		**Pipe Material:**	
Fuels Occur Type:		**Depth Ground Cover:**	
Fuel Type Involved:		**Regulator Location:**	
Enforcement Policy:		**Regulator Type:**	
Prc Escalation Req:		**Operation Pressure:**	
Tank Material Type:		**Liquid Prop Make:**	
Tank Storage Type:		**Liquid Prop Model:**	
Tank Location Type:		**Liquid Prop Serial No:**	
Pump Flow Rate Cap:		**Liquid Prop Notes:**	
Task No:		**Equipment Type:**	
Notes:	Indirect-Fired Air Make Up Unit.	**Equipment Model:**	MT112-600
Drainage System:		**Serial No:**	329940710
Sub Surface Contam.:		**Cylinder Capacity:**	

Aff Prop Use Water:		***Cylinder Cap Units:***	
Contam. Migrated:		***Cylinder Mat Type:***	
Contact Natural Env:		***Near Body of Water:***	
Incident Location:	411 NORTH RIVER ROAD, OTTAWA - FIRE		
Occurence Narrative:			
Operation Type Involved:			
Item:			
Item Description:			
Device Installed Location:			

18	1 of 2	NE/189.3	56.9 / 1.92	100 MACARTHUR Ottawa ON	WWIS

Well ID:	7201642	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring and Test Hole	***Date Received:***	5/15/2013
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	7241
Casing Material:		***Form Version:***	7
Audit No:	Z151027	***Owner:***	
Tag:	A145296	***Street Name:***	100 MACARTHUR
Construction Method:		***County:***	OTTAWA
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:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7201642.pdf

Bore Hole Information

Bore Hole ID:	1004301417	***Elevation:***	56.21894
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	447881
Code OB Desc:		***North83:***	5030874
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	3/26/2013	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	digit
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1004841371
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	17

Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	71
Mat3 Desc:	FRACTURED
Formation Top Depth:	3.35
Formation End Depth:	7.93
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004841369
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	
Most Common Material:	
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	0
Formation End Depth:	.31
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004841370
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	.31
Formation End Depth:	3.35
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004841382
Layer:	3
Plug From:	4.57
Plug To:	7.93
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004841380
Layer:	1
Plug From:	0
Plug To:	0.31
Plug Depth UOM:	m

Annular Space/Abandonment

Sealing Record

Plug ID:	1004841381
Layer:	2
Plug From:	0.31
Plug To:	4.57
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004841379
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1004841368
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004841375
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	4.88
Casing Diameter:	3.45
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004841376
Layer:	1
Slot:	10
Screen Top Depth:	4.88
Screen End Depth:	7.93
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.21

Water Details

Water ID:	1004841374
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004841372
Diameter:	11.43
Depth From:	0

Depth To:	3.96
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1004841373
Diameter:	7.62
Depth From:	3.96
Depth To:	7.93
Hole Depth UOM:	m
Hole Diameter UOM:	cm

18	2 of 2	NE/189.3	56.9 / 1.92	100 MACARTHUR AVE Ottawa ON	WWIS

Well ID:	7201640	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	5/15/2013
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z168596	**Owner:**	
Tag:	A145359	**Street Name:**	100 MACARTHUR AVE
Construction Method:		**County:**	OTTAWA
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:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7201640.pdf

Bore Hole Information

Bore Hole ID:	1004301381	**Elevation:**	56.21894
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	447881
Code OB Desc:		**North83:**	5030874
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	4/3/2013	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	digit
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1004839775
Layer:	1

Color:	8
General Color:	BLACK
Mat1:	
Most Common Material:	
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0
Formation End Depth:	.31
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004839776
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	.31
Formation End Depth:	3.35
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004839777
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	74
Mat3 Desc:	LAYERED
Formation Top Depth:	3.35
Formation End Depth:	7.96
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004839787
Layer:	2
Plug From:	0.31
Plug To:	4.57
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004839788
Layer:	3
Plug From:	4.57
Plug To:	7.89

Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004839786
Layer: 1
Plug From: 0
Plug To: 0.31
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004839785
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1004839774
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004839781
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 4.88
Casing Diameter: 3.45
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1004839782
Layer: 1
Slot: 10
Screen Top Depth: 4.88
Screen End Depth: 7.96
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.21

Water Details

Water ID: 1004839780
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004839778
Diameter: 11.43
Depth From: 0
Depth To: 3.75
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1004839779
Diameter: 7.62
Depth From:
Depth To: 7.96
Hole Depth UOM: m
Hole Diameter UOM: cm

19	1 of 3	NE/199.4	56.9 / 1.92	PARKER CLEAN A CHAROD CORPORATION 411 MARGUERITE AVENUE VANIER ON K1L 7W4	GEN

Generator No: ON0415700
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:

Detail(s)

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

19	2 of 3	NE/199.4	56.9 / 1.92	PARKER CLEAN (OUT OF BUSINESS) A CHAROD CORPORATION 411 MARGUERITE AVENUE VANIER ON K1L 7W4	GEN

Generator No: ON0415700
Status:
Approval Years: 90
Contam. Facility:
MHSW Facility:
SIC Code: 9721
SIC Description: POWER LAUND./CLEANER

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

19	3 of 3	NE/199.4	56.9 / 1.92	PARKER CLEAN (OUT OF BUSINESS) 30-076 A CHAROD CORPORATION 411 MARGUERITE AVENUE VANIER ON K1L 7W4	GEN

Generator No: ON0415700
Status:
Approval Years: 92,93,94,95,96,97,98
Contam. Facility:
MHSW Facility:
SIC Code: 9721

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

SIC Description: POWER LAUND./CLEANER

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20 | **1 of 2** | **NNE/203.2** | **56.9 / 1.85** | **Enbridge Gas Distribution Inc.**
37 Washington Ave
Ottawa ON | **SPL**

Ref No:	6871-9Q3M9V	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2014/10/20	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Leak/Break	**Sector Type:**	Valve/Fitting/Piping
Incident Event:		**Agency Involved:**	
Contaminant Code:	35	**Nearest Watercourse:**	
Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	37 Washington Ave
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:	Air Pollution	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	Referral to others	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2014/10/20	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error	**Source Type:**	
Site Name:	Residential<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSA: Enbridge, 1/2 damage, safe		
Contaminant Qty:	0 other - see incident description		

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20 | **2 of 2** | **NNE/203.2** | **56.9 / 1.85** | **PIPELINE HIT - 1/2"**
37 WASHINGTON AVE,,OTTAWA,ON,K1L 6S7, CA
ON | **PINC**

Incident ID:		**Fuel Category:**	
Incident No:	1502938	**Health Impact:**	
Incident Reported Dt:	10/20/2014	**Environment Impact:**	
Type:	FS-Pipeline Incident	**Property Damage:**	
Status Code:		**Service Interupt:**	
Customer Acct Name:	PIPELINE HIT - 1/2"	**Enforce Policy:**	
Incident Address:	37 WASHINGTON AVE,,OTTAWA,ON,K1L 6S7,CA	**Public Relation:**	
Tank Status:	Non Mandated	**Pipeline System:**	
Task No:		**Depth:**	
Spills Action Centre:		**Pipe Material:**	
Fuel Type:		**PSIG:**	
Fuel Occurrence Tp:		**Attribute Category:**	
Date of Occurrence:		**Regulator Location:**	
Occurrence Start Dt:		**Method Details:**	
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:			
Reported By:			
Affiliation:			
Occurrence Desc:			
Damage Reason:			
Notes:			

21	1 of 1	WSW/204.5	52.9 / -2.15	lot 8 Ottawa ON	WWIS

Well ID:	7228089	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	9/24/2014
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7477
Casing Material:		**Form Version:**	7
Audit No:	Z170975	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	008
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	JG
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/722\7228089.pdf

Bore Hole Information

Bore Hole ID:	1005134791	**Elevation:**	56.919013
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	447629
Code OB Desc:		**North83:**	5030580
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	8/21/2014	**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:			

Method of Construction & Well Use

Method Construction ID:	1005428000
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1005427994
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005427998
Layer:	
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1005427999
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Water Details

Water ID:	1005427997
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1005427996
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	m
Hole Diameter UOM:	cm

22	1 of 1	NE/209.0	56.9 / 1.92	100 MACARTHUR Ottawa ON	WWIS

Well ID:	7201643	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	5/15/2013
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z151028	**Owner:**	
Tag:	A145298	**Street Name:**	100 MACARTHUR
Construction Method:		**County:**	OTTAWA
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:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7201643.pdf

Bore Hole Information

Bore Hole ID:	1004301420	***Elevation:***	56.174331
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	447891
Code OB Desc:		***North83:***	5030891
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	3/26/2013	***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:	1004841385
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	.31
Formation End Depth:	3.35
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004841386
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	71
Mat3 Desc:	FRACTURED
Formation Top Depth:	3.35
Formation End Depth:	7.93
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004841384
Layer:	1
Color:	8

General Color:	BLACK
Mat1:	
Most Common Material:	
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	0
Formation End Depth:	.31
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004841397
Layer:	3
Plug From:	4.57
Plug To:	7.93
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004841395
Layer:	1
Plug From:	0
Plug To:	0.31
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004841396
Layer:	2
Plug From:	0.31
Plug To:	4.57
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004841394
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1004841383
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004841390
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	4.88

Casing Diameter:	3.45
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004841391
Layer:	1
Slot:	10
Screen Top Depth:	4.88
Screen End Depth:	7.93
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.21

Water Details

Water ID:	1004841389
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004841388
Diameter:	7.62
Depth From:	3.96
Depth To:	7.93
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1004841387
Diameter:	11.43
Depth From:	0
Depth To:	3.96
Hole Depth UOM:	m
Hole Diameter UOM:	cm

23	1 of 2	SSE/213.8	54.8 / -0.18	1004 Northriver Road Ottawa ON K1K 3V4	SPL

Ref No:	3775-752Q2M	**Discharger Report:**	
Site No:		**Material Group:**	Gases/Particulate
Incident Dt:		**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Discharge or Emission to Air	**Sector Type:**	Other
Incident Event:		**Agency Involved:**	
Contaminant Code:	35	**Nearest Watercourse:**	
Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	
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:	Air Pollution; Human Health/Safety	**Site Lot:**	
Receiving Medium:	Air	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	Referral to others	**Easting:**	

Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	7/12/2007	**Site Map Datum:**	
Dt Document Closed:	7/17/2007	**SAC Action Class:**	
Incident Reason:		**Source Type:**	
Site Name:	Middle of road<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSA: 2" gas main break, 3 home evac. made safe, repairing		
Contaminant Qty:	Unknown Other - see incident Description		

23	2 of 2	SSE/213.8	54.8 / -0.18	1004 NORTH RIVER ROAD OTTAWA ON K1K 3V4	HINC

External File Num:	FS INC 0707-03604
Fuel Occurrence Type:	Pipeline Strike
Date of Occurrence:	7/12/2007
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:Yes Maintenance:No Design:Yes Training: Yes Management:Yes Human Factors:Yes
Reported Details:	
Fuel Category:	Gaseous Fuel
Occurrence Type:	Incident
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:	Ottawa
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

24	1 of 1	E/224.2	57.8 / 2.82	ON	WWIS

Well ID:	1508596	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	7/9/1951
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3718
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
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:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508596.pdf

Bore Hole Information

Bore Hole ID:	10030630	***Elevation:***	57.972038
DP2BR:	9	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	448010.7
Code OB Desc:	Bedrock	***North83:***	5030692
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	1/29/1951	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931010083
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	9
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931010084
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	9
Formation End Depth:	50
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508596
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID: 10579200
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053894
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 50
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053893
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 9
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508596
Pump Set At:
Static Level: 15
Final Level After Pumping: 40
Recommended Pump Depth:
Pumping Rate: 3
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933463171
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 50
Water Found Depth UOM: ft

25	1 of 1	NE/227.0	57.7 / 2.64	100 MACARTHUR AVE. Ottawa ON	WWIS

Well ID: 7208647
Construction Date:
Data Entry Status:
Data Src:

Primary Water Use:	Monitoring and Test Hole	**Date Received:**	10/2/2013
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:	Z152734	**Owner:**	
Tag:	A152627	**Street Name:**	100 MACARTHUR AVE.
Construction Method:		**County:**	OTTAWA
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:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7208647.pdf

Bore Hole Information

Bore Hole ID:	1004587862	**Elevation:**	56.180107
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	447906
Code OB Desc:		**North83:**	5030903
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	8/17/2013	**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:	1004613250
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	01
Mat2 Desc:	FILL
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	.31
Formation End Depth:	1.82
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004613252
Layer:	4
Color:	8
General Color:	BLACK

Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	74
Mat3 Desc:	LAYERED
Formation Top Depth:	3.66
Formation End Depth:	7.92
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004613251
Layer:	3
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	1.82
Formation End Depth:	3.66
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004613249
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	0
Formation End Depth:	.31
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004613263
Layer:	3
Plug From:	4.57
Plug To:	7.92
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004613261
Layer:	1
Plug From:	0
Plug To:	0.31
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004613262
Layer:	2
Plug From:	0.31
Plug To:	4.57
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004613260
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	DIAMOND

Pipe Information

Pipe ID:	1004613248
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004613256
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	4.88
Casing Diameter:	5.2
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004613257
Layer:	1
Slot:	10
Screen Top Depth:	4.88
Screen End Depth:	7.92
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.03

Water Details

Water ID:	1004613255
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004613254
Diameter:	7.62

Depth From:	3.66
Depth To:	7.92
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1004613253
Diameter:	11.43
Depth From:	0
Depth To:	3.66
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
26	1 of 20	ENE/242.0	57.9 / 2.85	TRANSPORT TRUCK STORM SEWER C/B AT LOBLAWS PARKING LOT, 100 MCARTHUR AVENUE MOTOR VEHICLE (OPERATING FLUID) VANIER CITY ON	SPL

Ref No:	120267	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	10/31/1995	**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:	NOT ANTICIPATED	**Site Municipality:**	20102
Nature of Impact:	Water course or lake	**Site Lot:**	
Receiving Medium:	LAND / WATER	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	WORKS
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	10/31/1995	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	UNKNOWN	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TRANSPORT TRUCK: 45 L OF DIESEL TO PARKING LOT & STORM C/B, CLEANED UP.		
Contaminant Qty:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
26	2 of 20	ENE/242.0	57.9 / 2.85	LOBLAWS LIMITED C.O.B. AS "LOBLAWS" WAREHOUSE 049-0 100 MCARTHUR ROAD VANIER ON K1L 8H5	PES

Detail Licence No:		**Operator Box:**	
Licence No:		**Operator Class:**	
Status:		**Operator No:**	
Approval Date:		**Operator Type:**	
Report Source:		**Oper Area Code:**	
Licence Type:	Vendor	**Oper Phone No:**	
Licence Type Code:		**Operator Ext:**	
Licence Class:		**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Latitude:		**Operator Region:**	
Longitude:		**Operator District:**	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF Link:

Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

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26 | **3 of 20** | **ENE/242.0** | **57.9 / 2.85** | **LOBLAWS COMPANIES EAST**
100 MCARTHUR RD
VANIER ON K1L 8H5 | **PES**

Detail Licence No: 23-01-12120-0
Licence No: 12120
Status:
Approval Date:
Report Source:
Licence Type: Limited Vendor
Licence Type Code: 23
Licence Class: 01
Licence Control: 0
Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF Link:

Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code:
Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region: 4
Operator District:
Operator County: 15
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

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26 | **4 of 20** | **ENE/242.0** | **57.9 / 2.85** | **LOBLAWS SUPERMARKETS LTD.**
100 MCARTHUR ROAD
VANIER ON K1L 6P9 | **GEN**

Generator No: ON0270312
Status:
Approval Years: 93,94,95,96,97
Contam. Facility:
MHSW Facility:
SIC Code: 6571
SIC Description: CAMERA/PHOTO. SUPPLY

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

Detail(s)

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

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26 | **5 of 20** | **ENE/242.0** | **57.9 / 2.85** | **LOBLAWS SUPERMARKETS LIMITED**
100 MCARTHUR ROAD
VANIER ON K1L 6P9 | **GEN**

Generator No: ON0270312
Status:
Approval Years: 98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 6571
SIC Description: CAMERA/PHOTO. SUPPLY

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

Detail(s)

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

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26 | ***6 of 20*** | ***ENE/242.0*** | ***57.9 / 2.85*** | ***LOBLAWS COMPANIES EAST***
100 MCARTHUR RD
VANIER ON K1L 8H5 | ***PES***

Detail Licence No:		***Operator Box:***	
Licence No:		***Operator Class:***	
Status:		***Operator No:***	
Approval Date:		***Operator Type:***	
Report Source:		***Oper Area Code:***	
Licence Type:	Vendor	***Oper Phone No:***	
Licence Type Code:		***Operator Ext:***	
Licence Class:		***Operator Lot:***	
Licence Control:		***Oper Concession:***	
Latitude:		***Operator Region:***	
Longitude:		***Operator District:***	
Lot:		***Operator County:***	
Concession:		***Op Municipality:***	
Region:		***Post Office Box:***	
District:		***MOE District:***	
County:		***SWP Area Name:***	
Trade Name:			
PDF Link:			

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26 | ***7 of 20*** | ***ENE/242.0*** | ***57.9 / 2.85*** | ***Parson Refrigeration (1985) Ltd.***
100 McArthur Rd
Ottawa ON | ***SPL***

Ref No:	5848-7R7U9E	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Unknown	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:	FREON R-507	***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:***	Ottawa
Nature of Impact:		***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:	4/17/2009	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Air Spills - Gases and Vapours
Incident Reason:	Equipment Failure - Malfunction of system components	***Source Type:***	
Site Name:	Loblaws<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Loblaws: 300 lbs to atmosphere, repairs complete		
Contaminant Qty:	300 lb		

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26 | ***8 of 20*** | ***ENE/242.0*** | ***57.9 / 2.85*** | ***100 Mcarther Ave.***
Ottawa ON | ***SPL***

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Ref No:	5017-8QKUML	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	16-JAN-12	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Valve / Fitting Leak Or Failure	**Sector Type:**	Other
Incident Event:		**Agency Involved:**	
Contaminant Code:	38	**Nearest Watercourse:**	
Contaminant Name:	FREON (CFC)	**Site Address:**	100 Mcarther Ave.
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:	16-JAN-12	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Air Spills - Gases and Vapours
Incident Reason:	Equipment Failure	**Source Type:**	
Site Name:	Loblaws <UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Loblaws - 180 kg of freon to air.		
Contaminant Qty:			

26	9 of 20	ENE/242.0	57.9 / 2.85	**Loblaw Properties Limited** **100 McArthur Avenue** **Ottawa ON**	GEN

Generator No:	ON5387672	**PO Box No:**	
Status:		**Country:**	
Approval Years:	2013	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	445110		
SIC Description:	SUPERMARKETS AND OTHER GROCERY (EXCEPT CONVENIENCE) STORES		

Detail(s)

Waste Class:	241
Waste Class Desc:	HALOGENATED SOLVENTS

26	10 of 20	ENE/242.0	57.9 / 2.85	**Parson Refrigeration (1985) Ltd.** **100 McArthur Road, Vanier** **Ottawa ON**	SPL

Ref No:	4372-949TNK	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	24-JAN-13	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Leak/Break	**Sector Type:**	Other
Incident Event:		**Agency Involved:**	
Contaminant Code:	38	**Nearest Watercourse:**	
Contaminant Name:	REFRIGERANT GAS, N.O.S.	**Site Address:**	100 McArthur Road, Vanier
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:	Air Pollution	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

MOE Response:	No Field Response	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	24-JAN-13	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Air Spills - Gases and Vapours
Incident Reason:	Equipment Failure	**Source Type:**	
Site Name:	Loblaws<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Parsons Refrigeration: 139.1 kg to atm, Ottawa		
Contaminant Qty:	139.1 kg		

26	11 of 20	ENE/242.0	57.9 / 2.85	**Loblaws Inc.** **100 McArthur Road** **Ottawa ON**	GEN

Generator No:	ON3564439	**PO Box No:**	
Status:		**Country:**	
Approval Years:	2013	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	445110		
SIC Description:	SUPERMARKETS AND OTHER GROCERY (EXCEPT CONVENIENCE) STORES		

Detail(s)

Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES

26	12 of 20	ENE/242.0	57.9 / 2.85	**Loblaws Inc.** **100 McArthur Road** **Ottawa ON K1L 8H5**	SPL

Ref No:	0627-9ZHDZJ	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	8/18/2015	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Miscellaneous Industrial
Incident Event:		**Agency Involved:**	
Contaminant Code:	38	**Nearest Watercourse:**	
Contaminant Name:	FREON (CFC)	**Site Address:**	100 McArthur Road
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	K1L 8H5
Contaminant UN No 1:		**Site Region:**	
Environment Impact:		**Site Municipality:**	Ottawa
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	No	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	8/18/2015	**Site Map Datum:**	
Dt Document Closed:	8/24/2015	**SAC Action Class:**	Air Spills - Gases and Vapours
Incident Reason:	Equipment Failure	**Source Type:**	
Site Name:	100 McArthur Avenue<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Loblaws - 488kg of R507 to atmosphere		
Contaminant Qty:	488 kg		

26	13 of 20	ENE/242.0	57.9 / 2.85	**LOBLAWS** **100 MCARTHUR RD**	PES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				VANIER ON K1L6P9	

Detail Licence No:		**Operator Box:**	
Licence No:	12120	**Operator Class:**	
Status:		**Operator No:**	
Approval Date:		**Operator Type:**	
Report Source:	Legacy Licenses (Excluding TS)	**Oper Area Code:**	613
Licence Type:	Limited Vendor	**Oper Phone No:**	7440705
Licence Type Code:	23	**Operator Ext:**	
Licence Class:	01	**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Latitude:		**Operator Region:**	
Longitude:		**Operator District:**	
Lot:		**Operator County:**	
Concession:		**Op Municipality:**	
Region:		**Post Office Box:**	
District:		**MOE District:**	
County:		**SWP Area Name:**	
Trade Name:			
PDF Link:			

26	14 of 20	ENE/242.0	57.9 / 2.85	Loblaw Properties Limited 100 McArthur Avenue Ottawa ON K1L 8H5	GEN

Generator No:	ON5387672	**PO Box No:**	
Status:		**Country:**	Canada
Approval Years:	2016	**Choice of Contact:**	CO_OFFICIAL
Contam. Facility:	No	**Co Admin:**	Craig Hudak
MHSW Facility:	No	**Phone No Admin:**	9055957544 Ext.
SIC Code:	445110		
SIC Description:	SUPERMARKETS AND OTHER GROCERY (EXCEPT CONVENIENCE) STORES		

Detail(s)

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 269
Waste Class Desc: NON-HALOGENATED PESTICIDES

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 242
Waste Class Desc: HALOGENATED PESTICIDES

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

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26 | **15 of 20** | **ENE/242.0** | **57.9 / 2.85** | **Loblaw Properties Limited**
100 McArthur Avenue
Ottawa ON K1L 8H5 | **GEN**

Generator No: ON5387672
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 445110
SIC Description: SUPERMARKETS AND OTHER GROCERY (EXCEPT CONVENIENCE) STORES

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

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26 | **16 of 20** | **ENE/242.0** | **57.9 / 2.85** | **Loblaws Inc.**
100 McArthur Road
Ottawa ON K1L 8H5 | **GEN**

Generator No: ON3564439
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 445110
SIC Description: SUPERMARKETS AND OTHER GROCERY (EXCEPT CONVENIENCE) STORES

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Keith Brown
Phone No Admin: 613-745-6471 Ext.225

Detail(s)

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

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26 | **17 of 20** | **ENE/242.0** | **57.9 / 2.85** | **Loblaw Properties Limited**
100 McArthur Avenue
Ottawa ON K1L 8H5 | **GEN**

Generator No: ON5387672
Status: Registered
Approval Years: As of Dec 2018

PO Box No:
Country: Canada
Choice of Contact:

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

Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 112 C
Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 122 C
Waste Class Desc: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Class: 145 I
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 145 L
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 146 T
Waste Class Desc: Other specified inorganic sludges, slurries or solids

Waste Class: 148 A
Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 148 I
Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 212 I
Waste Class Desc: Aliphatic solvents and residues

Waste Class: 212 L
Waste Class Desc: Aliphatic solvents and residues

Waste Class: 241 L
Waste Class Desc: Halogenated solvents and residues

Waste Class: 242 L
Waste Class Desc: Halogenated pesticides and herbicides

Waste Class: 242 T
Waste Class Desc: Halogenated pesticides and herbicides

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 261 B
Waste Class Desc: Pharmaceuticals

Waste Class: 261 I
Waste Class Desc: Pharmaceuticals

Waste Class: 261 L
Waste Class Desc: Pharmaceuticals

Waste Class: 262 C
Waste Class Desc: Detergents and soaps

Waste Class: 262 L
Waste Class Desc: Detergents and soaps

Waste Class: 263 A

Waste Class Desc: Misc. waste organic chemicals

Waste Class: 263 C
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 263 L
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 269 L
Waste Class Desc: Organic non-halogenated pesticide and herbicide wastes

Waste Class: 269 T
Waste Class Desc: Organic non-halogenated pesticide and herbicide wastes

Waste Class: 312 P
Waste Class Desc: Pathological wastes

Waste Class: 331 I
Waste Class Desc: Waste compressed gases including cylinders

Waste Class: 331 L
Waste Class Desc: Waste compressed gases including cylinders

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26 | **18 of 20** | **ENE/242.0** | **57.9 / 2.85** | **LOBLAWS LIMITED C.O.B.AS "LOBLAWS WAREHOUSE 049-0**
100 MCARTHUR ROAD
VANIER ON K1L6P9 | **PES**

Detail Licence No:
Licence No: 08618
Status:
Approval Date:
Report Source: Legacy Licenses (Excluding TS)
Licence Type: Retail Vendor Class 03
Licence Type Code: 21
Licence Class: 03
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF Link:

Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code: 613
Oper Phone No: 7440705
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

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26 | **19 of 20** | **ENE/242.0** | **57.9 / 2.85** | **Loblaw Properties Limited**
100 McArthur Avenue
Ottawa ON K1L 8H5 | **GEN**

Generator No: ON5387672
Status: Registered
Approval Years: As of Jul 2020
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 145 I

Waste Class Desc:	Wastes from the use of pigments, coatings and paints
Waste Class:	261 L
Waste Class Desc:	Pharmaceuticals
Waste Class:	148 A
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	145 L
Waste Class Desc:	Wastes from the use of pigments, coatings and paints
Waste Class:	331 I
Waste Class Desc:	Waste compressed gases including cylinders
Waste Class:	312 P
Waste Class Desc:	Pathological wastes
Waste Class:	261 A
Waste Class Desc:	Pharmaceuticals
Waste Class:	269 L
Waste Class Desc:	Organic non-halogenated pesticide and herbicide wastes
Waste Class:	262 C
Waste Class Desc:	Detergents and soaps
Waste Class:	148 I
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	242 L
Waste Class Desc:	Halogenated pesticides and herbicides
Waste Class:	112 C
Waste Class Desc:	Acid solutions - containing heavy metals
Waste Class:	331 L
Waste Class Desc:	Waste compressed gases including cylinders
Waste Class:	263 L
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	212 L
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	261 I
Waste Class Desc:	Pharmaceuticals
Waste Class:	122 C
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)
Waste Class:	261 B
Waste Class Desc:	Pharmaceuticals
Waste Class:	242 T
Waste Class Desc:	Halogenated pesticides and herbicides
Waste Class:	262 L
Waste Class Desc:	Detergents and soaps
Waste Class:	263 A
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	263 C
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	269 T

Waste Class Desc: Organic non-halogenated pesticide and herbicide wastes

Waste Class: 241 L
Waste Class Desc: Halogenated solvents and residues

Waste Class: 212 I
Waste Class Desc: Aliphatic solvents and residues

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 146 T
Waste Class Desc: Other specified inorganic sludges, slurries or solids

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26	20 of 20	ENE/242.0	57.9 / 2.85	Loblaw Properties Limited 100 McArthur Avenue Ottawa ON K1L 8H5	GEN

Generator No: ON5387672
Status: Registered
Approval Years: As of Jan 2021
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 146 T
Waste Class Desc: Other specified inorganic sludges, slurries or solids

Waste Class: 212 L
Waste Class Desc: Aliphatic solvents and residues

Waste Class: 263 C
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 148 A
Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 269 T
Waste Class Desc: Organic non-halogenated pesticide and herbicide wastes

Waste Class: 261 L
Waste Class Desc: Pharmaceuticals

Waste Class: 145 I
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 212 I
Waste Class Desc: Aliphatic solvents and residues

Waste Class: 262 L
Waste Class Desc: Detergents and soaps

Waste Class: 145 L
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 261 B
Waste Class Desc: Pharmaceuticals

Waste Class: 242 L
Waste Class Desc: Halogenated pesticides and herbicides

Waste Class:	241 L
Waste Class Desc:	Halogenated solvents and residues
Waste Class:	269 L
Waste Class Desc:	Organic non-halogenated pesticide and herbicide wastes
Waste Class:	261 A
Waste Class Desc:	Pharmaceuticals
Waste Class:	263 A
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	122 C
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)
Waste Class:	261 I
Waste Class Desc:	Pharmaceuticals
Waste Class:	331 L
Waste Class Desc:	Waste compressed gases including cylinders
Waste Class:	112 C
Waste Class Desc:	Acid solutions - containing heavy metals
Waste Class:	263 L
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	148 I
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	242 T
Waste Class Desc:	Halogenated pesticides and herbicides
Waste Class:	312 P
Waste Class Desc:	Pathological wastes
Waste Class:	331 I
Waste Class Desc:	Waste compressed gases including cylinders
Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants
Waste Class:	262 C
Waste Class Desc:	Detergents and soaps

27 ***1 of 1*** ***E/244.5*** ***58.6 / 3.54*** ***ON*** **BORE**

Borehole ID:	613539	***Inclin FLG:***	No
OGF ID:	215514799	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:		***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.42818
Total Depth m:	-999	***Longitude DD:***	-75.664348
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	448031
Drill Method:		***Northing:***	5030732
Orig Ground Elev m:	56.4	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	58.7		
Concession:			

Location D:
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID:	218395542	**Mat Consistency:**	Dense
Top Depth:	2.7	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: BEDROCK. BEDROCK. D. DENSE. BEDROCK. BEDROCK. 00010 012 00025 017 00050 **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	218395541	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	2.7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Shale	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: CLAY.

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	M	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 060470 NTS_Sheet: 31G05G
Confiden 1: Logs are approximately correct. Lack of information. Doubtful terminology.

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1956-1972	**Projection Name:**	Universal Transverse Mercator
Scale or Resolution:	Varies		

Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

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28 | **1 of 1** | **ESE/245.8** | **57.9 / 2.89** | **25 Columbus Avenue, Ottawa ON K1K 1R2** | **PINC**

Incident ID:	2674474	**Fuel Category:**	Heating Fuel
Incident No:	518096	**Health Impact:**	
Incident Reported Dt:		**Environment Impact:**	
Type:	FS-Pipeline Incident	**Property Damage:**	
Status Code:	Pipeline Damage Reason Est	**Service Interupt:**	
Customer Acct Name:		**Enforce Policy:**	
Incident Address:		**Public Relation:**	
Tank Status:		**Pipeline System:**	
Task No:		**Depth:**	24
Spills Action Centre:		**Pipe Material:**	Plastic

Fuel Type:
Fuel Occurrence Tp:
Date of Occurrence:
Occurrence Start Dt:
Operation Type:
Pipeline Type: Service / Riser Distribution Pipeline
Regulator Type: Service Regulator (up to 60 psi intake)
Summary: 25 Columbus Avenue, Ottawa - 1/2" Pipeline Hit
Reported By: Jeff Stiles - Enbridge
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
Occurrence Desc:
Damage Reason:
Notes: Failing to Hand Dig

PSIG:
Attribute Category:
Regulator Location: Outside
Method Details: Utility damage

29	1 of 5	NE/249.4	57.9 / 2.89	UNIFIRST CANADA LTD. 381 MARGUERITE AVENUE VANIER ON K1L 7W4	GEN

Generator No: ON0260503
Status:
Approval Years: 97,98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 9721
SIC Description: POWER LAUND./CLEANERS

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

Detail(s)

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

29	2 of 5	NE/249.4	57.9 / 2.89	MODERN CLEANING SERV OTTAWA LTD 381 MARGUERITE STREET VANIER ON K1L 7W4	GEN

Generator No: ON0323001
Status:
Approval Years: 86,87,88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 9721
SIC Description: POWER LAUND./CLEANERS

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

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

29	3 of 5	NE/249.4	57.9 / 2.89	MODERN CLEANING SERV OTTAWA LTD. 381 MARGUERITE STREET VANIER ON K1L 7W4	GEN

Generator No: ON0323001
Status:
Approval Years: 92,93,97
Contam. Facility:
MHSW Facility:
SIC Code: 9721
SIC Description: POWER LAUND./CLEANER

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

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29 | ***4 of 5*** | ***NE/249.4*** | ***57.9 / 2.89*** | ***MODERN CLEANING SERV OTTAWA LTD 27-042***
381 MARGUERITE STREET
VANIER ON K1L 7W4 | ***GEN***

Generator No: ON0323001
Status:
Approval Years: 94,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 9721
SIC Description: POWER LAUND./CLEANER

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

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

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29 | ***5 of 5*** | ***NE/249.4*** | ***57.9 / 2.89*** | ***MODERN CLEANING SERVICE OTTAWA LIMITED***
381 MARGUERITE STREET
VANIER ON K1L 7W4 | ***GEN***

Generator No: ON0323001
Status:
Approval Years: 98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 9721
SIC Description: POWER LAUND./CLEANERS

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

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Unplottable Summary

Total: 31 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	City of Ottawa	North River Road (between Wright Street and Montreal Road)	Ottawa ON	
CA	R.W. Tomlinson Limited	Mobile Facility	Ottawa ON	
CA	IPCF PROPERTIES INC.	BELL'S CORNERS, LOBLAWS	NEPEAN CITY ON	
CA	City of Ottawa	North River Road (between Wright Street and Montreal Road)	Ottawa ON	
CA	City of Ottawa	North River Road	Ottawa ON	
CONV	R.W. TOMLINSON LIMITED		ON	
EBR	R.W. Tomlinson Limited	Mobile Facility Ottawa CITY OF OTTAWA	ON	
EBR	Safety-Kleen Canada Inc.	Plan 459792E, Part of Lot 7 NEPEAN	ON	
ECA	Humanics Universal Inc.	Part of Lot 7	Ottawa ON	K4A 1Z6
ECA	R.W. Tomlinson Limited	Mobile Facility	Ottawa ON	K1G 3N4
GEN	R.W Tomlinson	Alta Vista Hospital Link Jobsite	Ottawa ON	K1G 3N4
GEN	RW Tomlinson	St. Laurent Blvd Guideway	Ottawa ON	K1G 3N4
GEN	R.W Tomlinson Heavy Civil	Alta Vista Hospital Link Jobsite	Ottawa ON	K1G 3N4
GEN	R.W Tomlinson	Alta Vista Hospital Link Jobsite	Ottawa ON	K1G 3N4
GEN	RW Tomlinson	St. Laurent Blvd Guideway	Ottawa ON	K1G 3N4
NPRI	R.W. TOMLINSON LIMITED		Ottawa ON	
PINC	PIPELINE HIT - 1/2"	DES SOLDATES ST,,OTTAWA,ON,,CA	ON	
SPL	R.W. Tomlinson Limited		Ottawa ON	

SPL	Loblaw Properties Limited	Loblaws	Ottawa ON
SPL	LOBLAWS		OTTAWA CITY ON
SRDS	R.W. TOMLINSON LTD.		ON
WWIS		lot 8	ON
WWIS		lot 7	ON
WWIS		lot 8	ON
WWIS		lot 7	ON
WWIS		lot 7	ON
WWIS		lot 8	ON
WWIS		lot 7	ON
WWIS		lot 7	ON
WWIS		lot 8	ON
WWIS		lot 8	ON

Unplottable Report

Site: ***City of Ottawa***
North River Road (between Wright Street and Montreal Road) Ottawa ON

Database: ***CA***

Certificate #:	6915-6PVHAS
Application Year:	2006
Issue Date:	5/19/2006
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.W. Tomlinson Limited***
Mobile Facility Ottawa ON

Database: ***CA***

Certificate #:	4667-7VVM63
Application Year:	2009
Issue Date:	10/30/2009
Approval Type:	Air
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***IPCF PROPERTIES INC.***
BELL'S CORNERS, LOBLAWS NEPEAN CITY ON

Database: ***CA***

Certificate #:	8-4033-96-
Application Year:	96
Issue Date:	2/22/1996
Approval Type:	Industrial air
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	COMMERCIAL KITCHEN EXHAUST
Contaminants:	Odour/Fumes
Emission Control:	No Controls,

Site: ***City of Ottawa***
North River Road (between Wright Street and Montreal Road) Ottawa ON

Database: ***CA***

Certificate #:	4665-6Q3GPK
Application Year:	2006

Issue Date: 5/28/2006
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: ***City of Ottawa***
North River Road Ottawa ON

Database: ***CA***

Certificate #: 8030-6SQLMJ
Application Year: 2006
Issue Date: 8/22/2006
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.W. TOMLINSON LIMITED***
ON

Database: ***CONV***

File No:
Crown Brief No: 01-0198-0415
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: FAIL TO COMPLY SAFETY TRAINING, FAIL TO SUBMIT REPORTS TO DIRECTOR, COMMIT OFFENCE OF TRANSFERRING WASTE OIL WITHOUT GEN. REG. DOCUMENT
Background:
URL:

Location:
Region: EASTERN REGION
Ministry District: OTTAWA

Additional Details

Publication Date:
Count: 1
Act: EPA
Regulation: 347
Section: 18 (1)
Act/Regulation/Section: EPA 347 18 (1)
Date of Offence:
Date of Conviction:
Date Charged: 2/25/2003
Charge Disposition: FINED
Fine: $3500
Synopsis:

Site: ***R.W. Tomlinson Limited***

Database: ***EBR***

Mobile Facility Ottawa CITY OF OTTAWA ON

EBR Registry No:	010-4078	***Decision Posted:***	
Ministry Ref No:	2891-7FVQ5M	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	November 06, 2009	***Act 2:***	
Proposal Date:	July 03, 2008	***Site Location Map:***	
Year:	2008		

Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Off Instrument Name:
Posted By:
Company Name: R.W. Tomlinson Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 5597 Power Road, Ottawa Ontario, Canada K1G 3N4
Comment Period:
URL:

Site Location Details:

Mobile Facility Ottawa CITY OF OTTAWA

Site: ***Safety-Kleen Canada Inc.***
Plan 459792E, Part of Lot 7 NEPEAN ON

Database: ***EBR***

EBR Registry No:	IA6E1836	***Decision Posted:***	
Ministry Ref No:	27226	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	January 02, 2009	***Act 2:***	
Proposal Date:	December 30, 1996	***Site Location Map:***	
Year:	1996		

Instrument Type: (EPA s. 27) - Approval for a waste disposal site.
Off Instrument Name:
Posted By:
Company Name: Safety-Kleen Canada Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 300 Woolwich Street, Breslau Ontario, N0B 1M0
Comment Period:
URL:

Site Location Details:

Plan 459792E, Part of Lot 7 NEPEAN

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

Database: ***ECA***

Approval No:	2541-AK4T53	***MOE District:***	
Approval Date:	2017-03-30	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Humanics Universal Inc.
Address: Part of Lot 7
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6813-AA2NAF-14.pdf

Site: ***R.W. Tomlinson Limited***
Mobile Facility Ottawa ON K1G 3N4

Database: ***ECA***

Approval No:	4667-7VVM63	***MOE District:***	
Approval Date:	2009-10-30	***City:***	
Status:	Revoked and/or Replaced	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-AIR		
Project Type:	AIR		
Business Name:	R.W. Tomlinson Limited		
Address:	Mobile Facility		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/2891-7FVQ5M-14.pdf		

Site: ***R.W Tomlinson***
Alta Vista Hospital Link Jobsite Ottawa ON K1G 3N4

Database: ***GEN***

Generator No:	ON8156580	***PO Box No:***	
Status:		***Country:***	Canada
Approval Years:	2016	***Choice of Contact:***	CO_ADMIN
Contam. Facility:	No	***Co Admin:***	nick gianetto
MHSW Facility:	No	***Phone No Admin:***	6139132412 Ext.
SIC Code:	237310		
SIC Description:	HIGHWAY, STREET AND BRIDGE CONSTRUCTION		

Detail(s)

Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS

Site: ***RW Tomlinson***
St. Laurent Blvd Guideway Ottawa ON K1G 3N4

Database: ***GEN***

Generator No:	ON6732602	***PO Box No:***	
Status:	Registered	***Country:***	Canada
Approval Years:	As of Dec 2017	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	251 L
Waste Class Desc:	Waste oils/sludges (petroleum based)

Site: ***R.W Tomlinson Heavy Civil***
Alta Vista Hospital Link Jobsite Ottawa ON K1G 3N4

Database: ***GEN***

Generator No:	ON8156580	***PO Box No:***	
Status:	Registered	***Country:***	Canada
Approval Years:	As of Dec 2017	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	146 L
Waste Class Desc:	Other specified inorganic sludges, slurries or solids

Site: ***R.W Tomlinson***
Alta Vista Hospital Link Jobsite Ottawa ON K1G 3N4

Database: ***GEN***

Generator No:	ON8156580	***PO Box No:***	
Status:		***Country:***	Canada
Approval Years:	2015	***Choice of Contact:***	CO_ADMIN
Contam. Facility:	No	***Co Admin:***	nick gianetto
MHSW Facility:	No	***Phone No Admin:***	6139132412 Ext.
SIC Code:	237310		
SIC Description:	HIGHWAY, STREET AND BRIDGE CONSTRUCTION		

Detail(s)

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Site: ***RW Tomlinson***
St. Laurent Blvd Guideway Ottawa ON K1G 3N4

Database: ***GEN***

Generator No:	ON6732602	***PO Box No:***	
Status:		***Country:***	Canada
Approval Years:	2016	***Choice of Contact:***	CO_OFFICIAL
Contam. Facility:	No	***Co Admin:***	
MHSW Facility:	No	***Phone No Admin:***	
SIC Code:	237310, 237990		
SIC Description:	HIGHWAY, STREET AND BRIDGE CONSTRUCTION, OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION		

Detail(s)

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Site: ***R.W. TOMLINSON LIMITED***
Ottawa ON

Database: ***NPRI***

NPRI ID:	7200011897	***Org ID:***	
Other ID:		***Submit Date:***	
No Other ID:		***Last Modified:***	
Track ID:		***Contact ID:***	
Report ID:	826	***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:	CRM CARP	***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.:	8	***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):	32
NAICS 2 Description:	Manufacturing
NAICS Code (4 digit):	3273
NAICS 4 Description:	Cement and Concrete Product Manufacturing
NAICS Code (6 digit):	327320
NAICS 6 Description:	Ready-Mix Concrete Manufacturing

Site: ***PIPELINE HIT - 1/2"***
DES SOLDATES ST,,OTTAWA,ON,,CA ON

Database: ***PINC***

Incident ID:		***Fuel Category:***	
Incident No:	1923654	***Health Impact:***	
Incident Reported Dt:	8/16/2016	***Environment Impact:***	
Type:	FS-Pipeline Incident	***Property Damage:***	
Status Code:		***Service Interupt:***	
Customer Acct Name:	PIPELINE HIT - 1/2"	***Enforce Policy:***	
Incident Address:	DES SOLDATES ST,,OTTAWA,ON,,CA	***Public Relation:***	
Tank Status:	Non Mandated	***Pipeline System:***	
Task No:		***Depth:***	
Spills Action Centre:		***Pipe Material:***	
Fuel Type:		***PSIG:***	
Fuel Occurrence Tp:		***Attribute Category:***	
Date of Occurrence:		***Regulator Location:***	
Occurrence Start Dt:		***Method Details:***	
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:			
Reported By:			
Affiliation:			
Occurrence Desc:			
Damage Reason:			
Notes:			

Site: ***R.W. Tomlinson Limited***
Ottawa ON

Database: ***SPL***

Ref No:	5848-9W4RW6	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	5/1/2015	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Leak/Break	***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:***	Ottawa
Nature of Impact:	Land	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	N	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	5/1/2015	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Land Spills
Incident Reason:	Operator/Human Error	***Source Type:***	
Site Name:	Bearbrook bridge on Hwy 417 east bound<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	R.W. Tomlinson: Sediment release to Bearbrook tributary		
Contaminant Qty:			

Site: ***Loblaw Properties Limited***
Loblaws Ottawa ON

Database: ***SPL***

Ref No:	2287-7FNKE6	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Discharge or Emission to Air	***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:***	Ottawa
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	Ottawa
Nature of Impact:	Air Pollution	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	NA
MOE Response:	No Field Response	***Easting:***	NA
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	6/16/2008	***Site Map Datum:***	
Dt Document Closed:	9/8/2008	***SAC Action Class:***	Air Spills - Gases and Vapours
Incident Reason:	Equipment Failure - Malfunction of system components	***Source Type:***	
Site Name:	Loblaws		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Loblaws, 625 lb of R22 released to atmosphere.		
Contaminant Qty:	625 lb		

Site: ***LOBLAWS***
OTTAWA CITY ON

Database: ***SPL***

Ref No:	49925	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	5/1/1991	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	PIPE/HOSE 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:	Water course or lake	***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:	5/1/1991	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	OVERSTRESS/OVERPRESSURE	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	LOBLAWS - HYDRAULIC OIL TO GROUND AND CATCHBASIN FROM BROKEN HOSE		
Contaminant Qty:			

Site: ***R.W. TOMLINSON LTD.***
ON

Database: ***SRDS***

Company Code:		***Sector:***	
Works ID:		***Region:***	
SIC:		***District:***	
SIC1:		***UTM Zone:***	
SIC1 Desc:		***UTM Easting:***	

SIC2:		***UTM Northing:***	
SIC2 Desc:		***UTM Precision:***	
SIC3:		***Minor Basin:***	
SIC3 Desc:		***Major Basin:***	
Body of Water:		***Report Year:***	1990-1994
Terminal Stream:			
SIC Desc:			
Mailing Address:	NEPEAN		
Corp Address:			

Site:
lot 8 ON

Database:
WWIS

Well ID:	1522816	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/26/1988
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Recharge Well	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:	27054	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	008
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:	10044623	***Elevation:***	
DP2BR:	67	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	8/8/1988	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931052664
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	28
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931052665
Layer:	2
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	28
Formation End Depth:	67
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931052666
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	90
Mat2 Desc:	VERY
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	67
Formation End Depth:	90
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931052667
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	90
Formation End Depth:	100
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961522816
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10593193
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930078054
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	69
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930078055
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	100
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991522816
Pump Set At:	
Static Level:	7
Final Level After Pumping:	60
Recommended Pump Depth:	60
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:	No

Draw Down & Recovery

Pump Test Detail ID:	934905170
Test Type:	
Test Duration:	60
Test Level:	60
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934111556
Test Type:	
Test Duration:	15
Test Level:	60
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934386979
Test Type:	
Test Duration:	30

Test Level:	60
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934647962
Test Type:	
Test Duration:	45
Test Level:	60
Test Level UOM:	ft

Water Details

Water ID:	933480846
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	75
Water Found Depth UOM:	ft

Water Details

Water ID:	933480847
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	94
Water Found Depth UOM:	ft

Site:
lot 7 ON

Database:
WWIS

Well ID:	1528661	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Municipal	***Date Received:***	8/3/1995
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:		***Abandonment Rec:***	
Water Type:		***Contractor:***	4006
Casing Material:		***Form Version:***	1
Audit No:	147555	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	007
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	LI
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:	10050197	***Elevation:***	
DP2BR:	20	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	6/23/1995	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			

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

Overburden and Bedrock Materials Interval

Formation ID:	931070398
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	17
Mat2 Desc:	SHALE
Mat3:	74
Mat3 Desc:	LAYERED
Formation Top Depth:	20
Formation End Depth:	31
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931070397
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	20
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931070399
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	31
Formation End Depth:	110
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931070400
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	12

Mat2 Desc: STONES
Mat3: 74
Mat3 Desc: LAYERED
Formation Top Depth: 110
Formation End Depth: 130
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113582
Layer: 1
Plug From: 0
Plug To: 15
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113584
Layer: 3
Plug From: 115
Plug To: 130
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113583
Layer: 2
Plug From: 15
Plug To: 115
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528661
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 10598767
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087739
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 130
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Water Details

Water ID: 933488460

Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	123
Water Found Depth UOM:	ft

Site:
lot 8 ON

Database:
WWIS

Well ID:	1528401	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/26/1995
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Quality	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	1
Audit No:	147796	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	008
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:	10049938	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	_	***East83:***	
Code OB Desc:	No formation data	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12/9/1994	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	933113303
Layer:	1
Plug From:	0
Plug To:	41
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961528401
Method Construction Code:	0
Method Construction:	Not Known
Other Method Construction:	

Pipe Information

Pipe ID:	10598508
Casing No:	1
Comment:	
Alt Name:	

Site:
lot 7 ON

Database:
WWIS

Well ID:	1525154	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Not Used	***Date Received:***	11/14/1990
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	5222
Casing Material:		***Form Version:***	1
Audit No:	84367	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	VANIER CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	007
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:	10046895	***Elevation:***	
DP2BR:	12	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	8/7/1990	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931060271
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	01
Mat2 Desc:	FILL
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931060272
Layer:	2
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12
Formation End Depth:	19
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933111093
Layer:	1
Plug From:	0
Plug To:	13
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961525154
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10595465
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930082123
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	13
Casing Diameter:	7
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Site: ***Database:***
lot 7 ON ***WWIS***

Well ID:	1524618	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Cooling And A/C	***Date Received:***	6/21/1990
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	5222
Casing Material:		***Form Version:***	1
Audit No:	84331	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	

Depth to Bedrock:		***Lot:***	007
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:	10046366	***Elevation:***	
DP2BR:	12	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	6/13/1990	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

Formation ID:	931058525
Layer:	1

Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	77
Mat2 Desc:	LOOSE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

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

Construction Record - Casing

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

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

lot 8 ON

Well ID:	1500396	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	2/26/1948
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1107
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY (GLOUCESTER)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	008
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	JG
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10022441	***Elevation:***	

DP2BR:	28	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10/29/1947	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930989161
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	28
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

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

Pipe Information

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

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

Pump Test ID:	991500396
Pump Set At:	
Static Level:	6
Final Level After Pumping:	6
Recommended Pump Depth:	
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	8
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

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

Site: ***Database:***
lot 7 ON ***WWIS***

Well ID:	1521407	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/3/1987
Sec. Water Use:	Public	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	5222
Casing Material:		***Form Version:***	1
Audit No:	07073	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	007
Well Depth:		***Concession:***	

Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10043229	***Elevation:***	
DP2BR:	60	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	5/5/1987	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931047932
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	91
Mat2 Desc:	WATER-BEARING
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12
Formation End Depth:	60
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931047930
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0
Formation End Depth:	8
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931047933
Layer:	4
Color:	1
General Color:	WHITE

Mat1: 20
Most Common Material: QUARTZITE
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 60
Formation End Depth: 78
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931047931
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 8
Formation End Depth: 12
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933109445
Layer: 1
Plug From: 0
Plug To: 62
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521407
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10591799
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930075484
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 62
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID:	930075485
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	78
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991521407
Pump Set At:	
Static Level:	21
Final Level After Pumping:	70
Recommended Pump Depth:	70
Pumping Rate:	14
Flowing Rate:	
Recommended Pump Rate:	14
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	7
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933478948
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	72
Water Found Depth UOM:	ft

Site:
lot 7 ON

Database:
WWIS

Well ID:	1522583	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/27/1988
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	1
Audit No:	38250	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	007
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:	10044395	***Elevation:***	
DP2BR:	69	***Elevrc:***	
Spatial Status:		***Zone:***	18

Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 8/13/1988
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931051959
Layer: 4
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 55
Formation End Depth: 69
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931051957
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 4
Formation End Depth: 13
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931051960
Layer: 5
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 69
Formation End Depth: 100
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931051958
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 13
Formation End Depth: 55
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931051956
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 4
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961522583
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10592965
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077636
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 100
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930077635
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:

Depth To:	74
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991522583
Pump Set At:	
Static Level:	20
Final Level After Pumping:	50
Recommended Pump Depth:	60
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934904535
Test Type:	Draw Down
Test Duration:	60
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934656138
Test Type:	Draw Down
Test Duration:	45
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934110919
Test Type:	Draw Down
Test Duration:	15
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934386344
Test Type:	Draw Down
Test Duration:	30
Test Level:	50
Test Level UOM:	ft

Water Details

Water ID:	933480533
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70
Water Found Depth UOM:	ft

Water Details

Water ID:	933480534
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	93
Water Found Depth UOM:	ft

Site:
lot 8 ON

Database: ***WWIS***

Well ID:	1522708	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/26/1988
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:	27005	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	008
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:	10044518	***Elevation:***	
DP2BR:	35	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	6/27/1988	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931052355
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	35
Formation End Depth:	64
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931052354
Layer:	1
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	35
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961522708
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10593088
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930077851
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	38
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930077852
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	64
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991522708
Pump Set At:	
Static Level:	15
Final Level After Pumping:	50
Recommended Pump Depth:	50
Pumping Rate:	20

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:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934111037
Test Type:	
Test Duration:	15
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934386881
Test Type:	
Test Duration:	30
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934905074
Test Type:	
Test Duration:	60
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934656257
Test Type:	
Test Duration:	45
Test Level:	50
Test Level UOM:	ft

Water Details

Water ID:	933480702
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	56
Water Found Depth UOM:	ft

Site: ***Database:***
lot 8 ON ***WWIS***

Well ID:	1523343	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	4/4/1989
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	5222
Casing Material:		***Form Version:***	1
Audit No:	39079	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA

Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	008
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:	10045118	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12/5/1988	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931054292
Layer:	4
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	40
Formation End Depth:	45
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931054290
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	6
Formation End Depth:	35
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931054291
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	12
Mat2 Desc:	STONES
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	35
Formation End Depth:	40
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931054289
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	77
Mat2 Desc:	LOOSE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933110253
Layer:	1
Plug From:	0
Plug To:	35
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961523343
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10593688
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930078929
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	45
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991523343
Pump Set At:	
Static Level:	10
Final Level After Pumping:	25
Recommended Pump Depth:	25
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934389106
Test Type:	Draw Down
Test Duration:	30
Test Level:	25
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934649669
Test Type:	Draw Down
Test Duration:	45
Test Level:	25
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934907292
Test Type:	Draw Down
Test Duration:	60
Test Level:	25
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934104458
Test Type:	Draw Down
Test Duration:	15
Test Level:	25
Test Level UOM:	ft

Water Details

Water ID:	933481564
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	45
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 2020

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-Oct 2018

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

Aboveground Storage Tanks: Provincial AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: 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-Dec 31, 2020

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 2018

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*

Dry Cleaning Facilities: Federal CDRY

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 2018

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: Jul 31, 2020

Chemical Manufacturers and Distributors: 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, 2020

Chemical Register: Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Dec 31, 2020

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 2020

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Nov 2020

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, 2021

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 - Sep 2020

Delisted Fuel Tanks: Provincial DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Jul 31, 2020

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, 2021

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, 2021

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, 2021

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, 2021

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

Environmental Penalty Annual Report: Provincial EPAR

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, 2020

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

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. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Jan 2021

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 2019

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

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

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

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-Jan 31, 2021

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 2018

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*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: Jul 31, 2020

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Dec 2020

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, 2018

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 Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Dec 31, 2020

National Energy Board Wells: Federal NEBP

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 OGWE

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, 2021

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Jun 2020

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, 2021

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: Oct 2011-Feb 28, 2021

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 31, 2020

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, 2021

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-Mar 2021

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-Dec 31, 2020

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

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. 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-Mar 2020; Jul 2020 - Aug 2020

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, 2017

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 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered 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.

Government Publication Date: Jul 31, 2020

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, 2021

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: Apr 30, 2020

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 FOI Search Request

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

Requester Data			**For Ministry Use Only**	
Name, Title, Company Name and Mailing Address of Requester Julie 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. Date Request Received Response Due Date	FOI Co-ordinator Review date Fee Paid ~ ACCT ~ CHQ ☑ VISA ~ CASH
Telephone/Fax Nos. Tel: (613) 592-3387 ext 1833 Fax (613) 592-5897	Your Project/Reference No. 106370	Signature of Requester	☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR ☐ SAC ☐ IEB ☐ EAA ☐	

Request Parameters

Municipal Address / Lot, Concession, Geographic Township **(Municipal address essential for cities, towns or regions)**

949 North River Road Ottawa

Present Property Owner(s) and Date(s) of Ownership

Gemstone

Previous Property Owner(s) and Date(s) of Ownership

Present/Previous Tenant(s),(if applicable)

Search Parameters Files older than 2 years may require $60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.	**Specify Year(s) Requested**
Environmental concerns (General correspondence, occurrence reports, abatement)	ALL
Orders	ALL
Spills	ALL
Investigations/prosecutions ▸ Owner/tenant information must be provided	**ALL**
Waste Generator number/classes	**ALL**

Certificates of Approval ▸ Proponent information must be provided

1985 and prior records are searched manually. **Search fees in excess of $300.00** could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number (s) (if known). **If supporting documents are also required, mark SD box** and specify type e.g. maps, plans, hydrogeological reports, etc.

		SD	**Specify Year(s) Requested**
air – *emissions*			
water - *mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)*			
sewage - *sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations*			
waste water - *industrial discharge*			
waste sites - *disposal, landfill sites, transfer stations, processing sites, incinerator sites*			
waste systems	*- haulers: sewage, non-hazardous & hazardous waste*		
	- mobile waste processing units		
	- PCB destruction		
pesticides - *licenses*			

APPENDIX G

TSSA Search Request

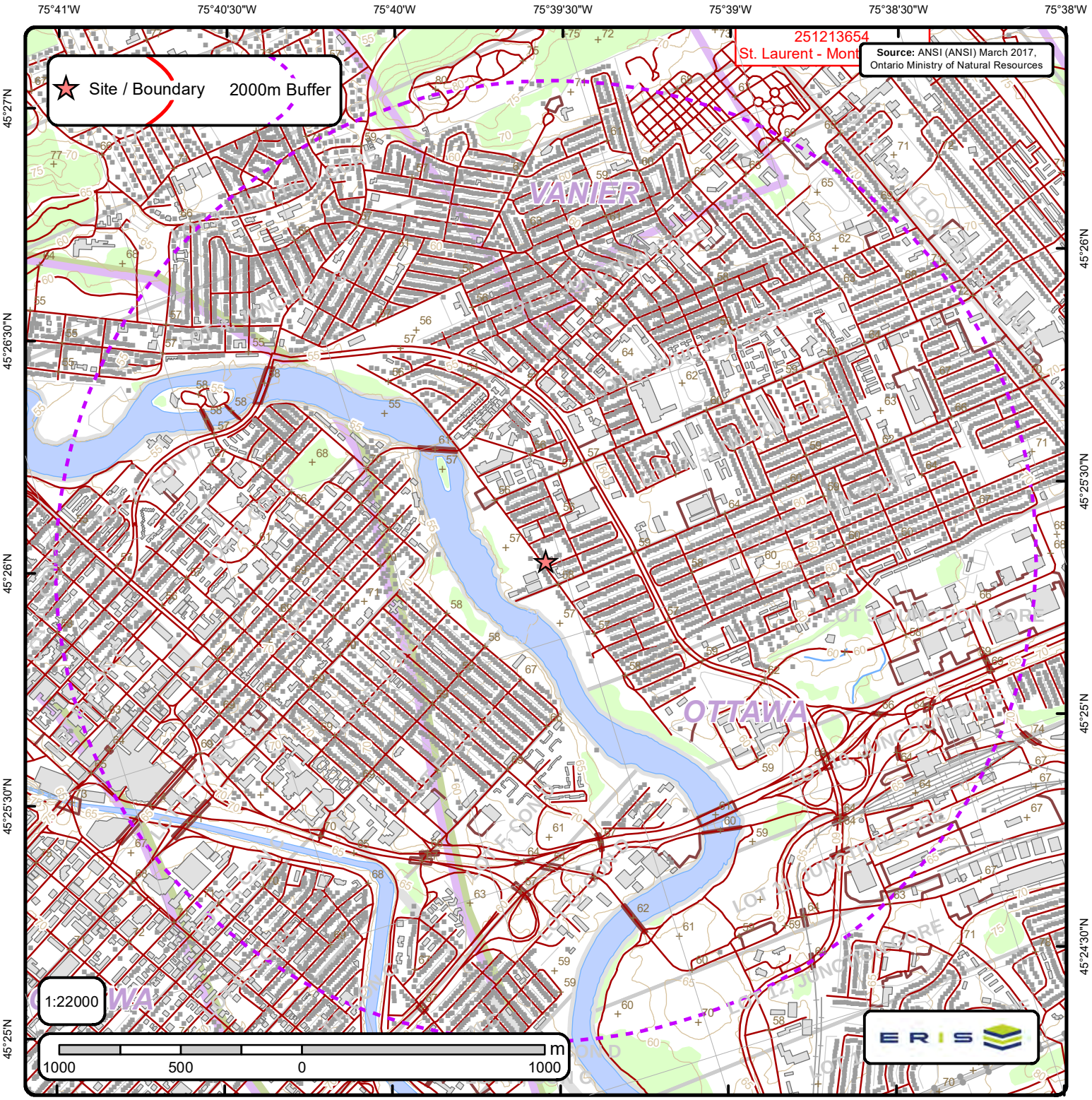
From:	Julie Crooks
To:	"Public Information Services"
Subject:	TSSA Archival Search
Date:	Tuesday, November 3, 2020 6:37:10 PM
Attachments:	949 North River TSSA Request.pdf

Can you please process the attached archival request?
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



Area of Natural & Scientific Interest (ANSI) Order No. 21041900254

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

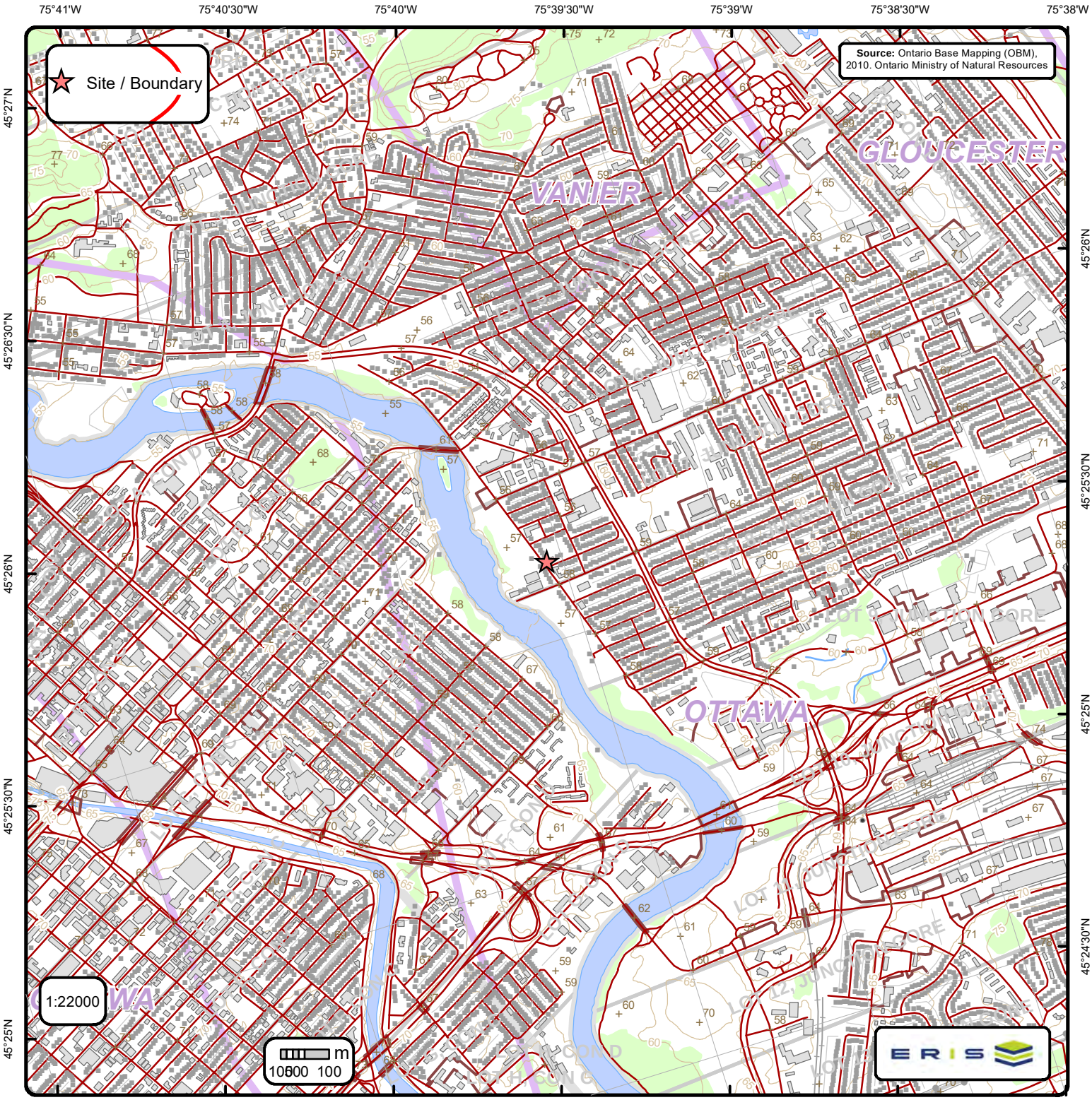
ANSI Report

ANSI Units Found within 2000 m of

949 North River Road

Order No.
21041900254

No ANSI units found within search area.



Ontario Base Mapping (OBM) Data

Order No. 21041900254

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	Municipalitiy	Nature Reserve
Trail	Building to Scale	Land Ownership	