Phase One Environmental Site Assessment

1951, 1967 and 1983 Carling Avenue
Ottawa, Ontario

Prepared for:

2473493 Ontario Inc.
129 Oakfield Crescent
Ottawa, ON K2J 5H8

August 5, 2021

Pinchin File: 295895

Issued To:	**2473493 Ontario Inc.**
Issued On:	**August 5, 2021**
Pinchin File:	**295895**
Issuing Office:	**Kanata, ON**

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1.0 EXECUTIVE SUMMARY

Pinchin Ltd. (Pinchin) was retained by 2473493 Ontario Inc. (Client) to complete a Phase One Environmental Site Assessment (Phase One ESA) of the property located at 1951, 1967 and 1983 Carling Avenue in Ottawa, Ontario (hereafter referred to as the Site or Phase One Property). The Phase One Property is presently developed with three, three-storey multi-tenant residential buildings (Site Buildings A-C).

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 as a condition for 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 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, Fire Insurance Plans, Property Underwriters' Reports and Property Underwriters' Plans, historical environmental assessments relevant to the Phase One Property 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 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.
- Reporting: Prepared a Phase One ESA report.
- Submission: Submitted the Phase One ESA report to the Client.

The Phase One Property consists of three legal lots situated at the municipal addresses of 1951, 1967 and 1983 Carling Avenue, Ottawa, Ontario and is currently owned by 2473493 Ontario Inc. The Phase One Property is located on the north side of Carling Avenue, at the northeast corner of the intersection of Carling Avenue and Bromley Road.

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, PURs, city directories, etc.
Prior to 1958.	Unknown.	Assumed agricultural/ vacant undeveloped land.	Vacant.	The city directories reviewed by Pinchin indicated that he Phase One Property was not listed prior to 1959. Furthermore, a 1959 PUR reviewed by Pinchin indicated that the Site Buildings were constructed in 1958.
1958-present	Unknown and the Client	Multi-tenant residential buildings	Residential	The Site Buildings were evident in all aerial photographs since 1958. The city directories reviewed by Pinchin indicated the presence of various residential tenants at the Phase One Property during this timeframe.

To the best of Pinchin's knowledge, the Phase One Property was undeveloped until the construction of the Site Buildings in approximately 1958. The usage of the Phase One Property prior to the construction of the Site Buildings in 1958 is inferred to have consisted of vacant agricultural/undeveloped land. Subsequent to the construction of the Site Buildings, the Phase One Property has been occupied by three multi-tenant residential buildings (as per the city directory searches, configuration of the Site Buildings, and information provided by the Site Representative).

It is Pinchin's opinion that the date of the first developed use of the Phase One Property is approximately 1958, with the construction of the Site Buildings. The date of the first developed use of the Phase One Property was determined through a review of aerial photographs, PURs provided by Opta, 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.

Based on the findings of this Phase One ESA, Pinchin identified two PCAs at the Phase One Property (i.e., on-Site) and one PCA within the Phase One Study Area outside of the Phase One Property (i.e., off-Site). The PCAs are not considered to result in Areas of Potential Environmental Concern (APECs) at the Phase One Property given observations made during Pinchin's Site reconnaissance and/or previous work completed at the Phase One Property and/or their distance from the Phase One Property. As such, it is Pinchin's opinion that the Phase One Property is suitable for the intended Site Plan Approval application at the Phase One Property based only on the completion of this Phase One ESA report.

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

This report has been issued without having received 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 as a condition for a Site Plan Approval application with the City of Ottawa.

A Phase One ESA does not include sampling or testing of environmental media or building materials. The study period for this assessment was from July 2021 to August 2021, which included the records review, Site reconnaissance, interviews and reporting.

2.1 Phase One Property Information

The Phase One Property consists of three legal lot situated at civic addresses 1951, 1967 and 1983 Carling Avenue, Ottawa, Ontario which is currently owned by 2473493 Ontario Inc. The Phase One Property is located on the north side of Carling Avenue, at the northeast corner of the intersection of Carling Avenue and Bromley Road, as shown on Figure 1 (all Figures are provided in Appendix B). A plan showing the Phase One Study Area for which this Phase One ESA applies to is outlined on Figure 2. PCAs identified within the Phase One Study Area are labelled on Figure 3. A current legal survey of the Phase One Property is included in Appendix C.

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

Detail	Source / Reference	Information
Legal Description	Legal Survey Drawing provided by the Client	Part of Block B Registered Plan 4M-98, City of Ottawa
Municipal Address	Client, and Previous Environmental Report	1951, 1967 and 1983 Carling Avenue, Ottawa, ON K2A 1C2
Parcel Identification Number (PIN)	Legal Survey Drawing provided by the Client	03979-0053
Current Owner	Site Representative, Client	2473493 Ontario Inc.
Owner Contact Information	Client	Keegan Gomes 129 Oakfield Crescent Ottawa, ON K2J 5H86 keegan.gomes@scotiawealth.com
Current Occupants	Site Representative	Residential tenants
Client	Authorization to Proceed Form for Pinchin Proposal	2473493 Ontario Inc.
Client Contact Information	Authorization to Proceed Form for Pinchin Proposal	Keegan Gomes 129 Oakfield Crescent Ottawa, ON K2J 5H86 keegan.gomes@scotiawealth.com
Site Area	http://maps.ottawa.ca/geoottawa/ City of Ottawa	4,713.41 m^2 (1.16 acres)
Current Zoning	http://maps.ottawa.ca/geoottawa/ City of Ottawa	AM10 – Arterial Mainstreet

3.0 SCOPE OF INVESTIGATION

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

- A Records Review: Pinchin reviewed available current and historical information sources pertaining to the Phase One Property and surrounding properties within the Phase One Study Area including the use of, but not limited to, aerial photographs, city directories, Fire Insurance Plans (FIPs), Property Underwriters' Reports (PURs), Property Underwriters' Plans (PUPs), 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's) Freedom of Information (FOI) and Protection of Privacy Office and the Technical Standards and Safety Authority (TSSA);
- Interviews: Pinchin conducted interviews with a Site Representative (see Section 5.0) to determine if any current or historical operations have caused a concern with respect to the environmental condition of the Phase One Property and the surrounding properties within the Phase One Study Area;
- Site Reconnaissance: Pinchin completed a visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area (from publicly-accessible areas) including any associated buildings and/or facilities for the purpose of identifying the presence of significant environmental contaminants of concern;
- Evaluation: Pinchin evaluated the information gathered from the records review, interviews and Site reconnaissance;
- Reporting: Pinchin prepared a Phase One ESA report summarizing the findings of the Phase One ESA; and
- Submission: Pinchin submitted the Phase One ESA report to the Client.

4.0 RECORDS REVIEW

4.1 General

Identified on-Site and off-Site PCAs described in this and subsequent report Sections are summarized on Figure 3.

A Phase One ESA does not include sampling or testing of environmental media or building materials. The study period for this assessment was from July 2021 to August 2021, which included the records review, Site reconnaissance, interviews and reporting. A Site reconnaissance was completed on July 20, 2021, by a Pinchin representative under the direct supervision of a Qualified Person (QP). During the Site reconnaissance, Pinchin accessed the Phase One Property. 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 One Property, in order to meet the minimum requirements set forth in O. Reg. 153/04.

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 a previous report prepared for the Phase One Property, city directories, aerial photographs and PURs provided by Opta Information Intelligence (Opta), determined that the Phase One Property was first occupied in 1958, when the Phase One Property was occupied by three multi-tenant residential buildings, similar in size and configuration to the present-day Site Buildings. Based on the above-noted information, it is Pinchin's opinion that the first developed use of the Phase One Property was in 1958.

The date of the first developed use of the Phase One Property was determined through a review of city directories, PURs, aerial photographs and previous reports. 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 Opta to obtain copies of FIPs related to the Phase One Property and the Phase One Study Area. Opta provided Pinchin with a copy of the following:

- FIP dated 1965 for the area including the Phase One Property.

The Opta response and a copy of the FIP are provided in Appendix D.

The following general information, including details regarding the Phase One Property, was noted in the 1965 FIP:

- The Phase One Property appeared to consist of the municipal addresses of 1951, 1967 and 1983 Carling Avenue. Three multi-tenant residential buildings, similar in size and configuration to the current Site Buildings, were evident on-Site. In addition, the FIP indicated that the Site Buildings were heated by fuel oil. However, based on Pinchin's review of a 1959 PUR, Site Building A was heated by natural gas and Site Buildings B and C were heated by fuel oil. It should be noted that the 1965 FIP did not indicate whether the fuel oil was stored in an aboveground storage tank (AST) or underground storage tank (UST); however, based on Pinchin's review of the 1959 PUR for the Phase One Property, the fuel oil was stored in a 1,000 L UST; and
- Surrounding properties located west of the Site consisted of multi-tenant residential buildings. A surrounding property located northwest of the Site consisted of an institutional building.

Based on Pinchin's review of the information provided in the 1965 FIP, the following is noted:

- The following PCA was identified at the Phase One Property:
  - Site Buildings B and C were heated by fuel oil. It should be noted that the FIP did not indicate whether fuel oil was stored in an AST or UST; however, based on Pinchin's review of the 1959 PUR, the fuel oil was stored in a 1,000 L UST and supplied Site Buildings B and C. Based on previous work completed at the Site (refer to Section 4.1.4), it is Pinchin's opinion that no further work is warranted at the Phase One Property.
- No PCAs were identified within the Phase One Study Area outside of the Phase One Property.

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:

- Report entitled "*Phase II Environmental Site Assessment, 1951, 1967 and 1983 Carling Avenue, Ottawa, Ontario*" prepared by Terrapex Environmental Ltd. (Terrapex) for Mr. Allen Kerwin, and dated February 7, 2006 (2006 Terrapex Phase II ESA Report);
- Report entitled "*Phase I Environmental Site Assessment, 1951, 1967 and 1983 Carling Avenue, Ottawa, Ontario*", prepared by Pinchin for TD Commercial Banking, and dated June 15, 2015 (2015 Pinchin Phase I ESA Report);
- Report entitled "*Phase I Environmental Site Assessment Update, 1951, 1967 and 1983 Carling Avenue, Ottawa, Ontario*", prepared by Pinchin for McKellar Park Suites, and dated May 29, 2018 (2018 Pinchin Phase I ESA Update Report); and
- Report entitled "*Phase I Environmental Site Assessment, 1951, 1967 and 1983 Carling Avenue, Ottawa, Ontario*", prepared by Pinchin for 2473493 Ontario Inc., and dated December 1, 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 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 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Groundwater Condition (Table 7 Standards)* for residential property use.

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 Terrapex Phase II ESA Report</u>

The 2006 Terrapex Phase II ESA Report was completed based on the findings identified in the report entitled "*Phase I Environmental Site Assessment, 1951, 1967, 1983 Carling Avenue, Ottawa, Ontario*" prepared by AMEC Earth and Environmental Ltd (AMEC) for Mr. Allen Kerwin, and dated November 30,

2005 (2005 AMEC Phase I ESA Report). It should be noted that Pinchin was not provided with the above-mentioned report for review as part of this Phase One ESA; however, this report was briefly summarized in the 2006 Terrapex Phase II ESA Report. Based on the results of the 2005 AMEC Phase I ESA Report, a suspected former heating oil UST had been removed from the west portion of the Site in the late 1970s; however, there was no documentation available with regards to the removal of the UST. AMEC reported that no evidence pertaining to a UST was observed on-Site during the completion of the 2005 AMEC Phase I ESA Report. As a result, AMEC recommended completing a subsurface investigation to confirm that no subsurface impacts were located at the Site.

The work undertaken as part of the 2006 Terrapex Phase II ESA Report was to assess soil conditions at the Site in relation to the suspected former on-Site UST reportedly located on the west portion of the Site.

A total of three boreholes were advanced to bedrock refusal within the vicinity of the suspected former UST location to depths of 0.5 m to 1.0 m below ground surface (mbgs). It should be noted that groundwater monitoring wells were not installed as part of this Phase II ESA.

Based on the fact that the depth to bedrock was encountered at depths less than 2.0 mbgs, Terrapex indicated that the Site was classified as a shallow soil property and as such, Terrapex compared the soil laboratory analytical results to both the Table 1 and 2 Standards as outlined in the MECP document entitled "*Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*", and dated March 2004 (2004 Table 1 and 2 Standards).

One soil sample was submitted from each borehole for laboratory analysis of benzene, toluene, ethylbenzene and xylene (BTEX) and petroleum hydrocarbons (PHCs) (F1-F4). All analytical results reported concentrations that were below the laboratory detection limits, and as such, satisfied the 2004 Table 1 and 2 Standards.

Based on the fact that bedrock was encountered between 0.5 to 1.0 mbgs, Pinchin compared the soil analytical results presented in the 2006 Terrapex Phase II ESA Report to the currently applicable criteria presented in Table 7 (residential/parkland/institutional land use, in a shallow soil condition, non-potable groundwater environment) in the MECP document entitled "*Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*", and dated April 15, 2011 (2011 Table 7 Standards). All reported concentrations of targeted parameters in soil were below the 2011 Table 7 Standards.

2015 Pinchin Phase I ESA Report

The 2015 Pinchin Phase I ESA Report consisted of historical reviews and regulatory database searches, as well as interior and/or exterior assessments of the Site and surrounding properties. In addition, the 2015 Pinchin Phase I ESA Report reviewed the 2006 Terrapex Phase II ESA Report.

Pinchin noted that based on the configuration of the Site Buildings and the locations of the boiler rooms, it was Pinchin's opinion that the UST was likely located within the vicinity of the north elevations of Site Buildings B and C. As such and as part of the 2015 Pinchin Phase I ESA Report, Pinchin noted that on behalf of the Client, Pinchin retained USL-1 Utility Locators to complete a ground penetrating radar (GPR) survey at the Site on June 12, 2015, to potentially ascertain the location of the suspect UST. The areas located north of Site Buildings B and C were scanned for any evidence of a present or former UST (i.e., metallic anomalies, non-native subsurface fill material, associated underground piping). All scanned areas reported no evidence of a present or former UST or associated facilities. In addition, no interior evidence (i.e., levelometer, copper fuel feed line, vent/fill pipes, concrete patching, etc.) indicative of present or former fuel oil tanks (above or below ground) were observed during the GPR work.

Based on the results of the 2015 Pinchin Phase I ESA Report, nothing was identified that is likely to result in potential subsurface impacts at the Site. As such, no subsurface investigation work (Phase II ESA) was recommended at that time.

2018 Pinchin Phase I ESA Update Report

The 2018 Pinchin Phase I ESA Update Report consisted of historical reviews and regulatory database searches, a review of the above-noted previous repots, as well as interior and/or exterior assessments of the Site and surrounding properties. It should be noted that the 2018 Pinchin Phase I ESA Update Report was an update of the findings identified in the 2015 Pinchin Phase I ESA Report.

The results of the 2018 Pinchin Phase I ESA Update 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 2020 Pinchin Phase I ESA Update Report consisted of historical reviews and regulatory database searches, a review of the above-noted previous repots, as well as interior and/or exterior assessments of the Site and surrounding properties.

The results of the 2020 Pinchin Phase I ESA Update 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:

- Site Buildings B and C were formerly heated by fuel oil stored in a 1,000 L UST at the Phase One Property. However, based on previous work completed at the Phase One Property, it is Pinchin's opinion that no further work is warranted at this time.

4.2 Environmental Source Information

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

4.2.1 Environmental Database Search – 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.

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.

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 of records of environmental incidents, orders, offences or spills revealed the following for the Phase One Property and properties adjacent to the Phase One Property:

- No records were found of environmental incidents, orders, offences or spills for the Phase One Property.
- No records were found of environmental incidents, orders, offences or spills for properties adjacent to the Phase One Property except for the following:
  - A spill record for an adjacent property (i.e., intersection of Carling Avenue and Bromley Road) was provided in the ERIS report, but is not considered a PCA given the minor nature of the material spilled (i.e., 1 L of transmission oil), the receiving medium (i.e., roadway) and the fact that the spill record indicates that impacts to the subsurface were not anticipated.

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 no information regarding the Phase One Property.

Two properties located within the Waste Generator Database Review Area were listed within the O. Reg. 347 Waste Generators database search results as waste generators and are not considered PCAs based on their location and distance relative to the Phase One Property (i.e., greater than 50 m and inferred to be hydraulically downgradient of the Phase One Property) and/or the minor quantities of hazardous wastes generated at these properties. Details regarding the types of waste and timeframe when wastes were generated at these properties are provided in the ERIS report in Appendix E.

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.

4.2.1.10 Notices and Instruments

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

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

The search was requested on August 5, 2021. At the time of writing this report, no response had been received from the MECP. When a formal response is received, it will be reviewed by Pinchin. If there is any information that represents a potential issue of environmental concern, a copy of the response will be forwarded to the Client under separate cover. Our conclusions and recommendations may be amended based on this information.

In addition, as part of the 2018 Pinchin Phase I ESA Report a request was made on May 24, 2018 and a response was received from the MECP on May 30, 2018. The MECP response indicated that no records were available for the Phase One Property.

Copies of the MECP request and response are provided in Appendix F.

4.2.3 Technical Standards and Safety Authority Search

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

Pinchin previously 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. A letter response was issued by the TSSA on August 24, 2018, indicating that following a search of the TSSA files, no outstanding instructions, incident reports, fuel oil spills or contamination records, or records of registered ASTs or USTs were found for the Phase One Property.

A copy of the TSSA response is provided in Appendix G.

4.2.4 Property Underwriters' Reports and Plans

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

Pinchin previously contacted Opta to obtain copies of PURs and PUPs related to the Phase One Property. Opta provided Pinchin with copies of the following (see Appendix E):

- PURs dated 1959 and 1982.
- PUP dated 1959.

Based on Pinchin's review of the PURs and PUP, the following was noted:

- The Site Buildings were constructed in their current configuration in 1958;
- Heating for Site Buildings B and C was provided by a 1,000-L fuel oil UST. Previous subsurface work completed at the Phase One Property in 2006 was located near the west elevation of Site Building C to address the historical UST, as this was the reported former UST location. Based on the configuration of the Site and the locations of the boiler rooms, it is Pinchin's opinion that the UST was likely located within the vicinity of the north elevations of Site Buildings B and C; however, as noted in the 2015 Pinchin Phase I

ESA Report, a GPR survey was completed along the north elevations of Site Buildings B and C, which did not identify clear evidence of a present or former UST (refer to Section 4.1.4). As such, it is Pinchin's opinion that no further work is warranted; and

- Heating for Site Building A was provided by natural gas.

Based on Pinchin's review of the information provided by the PURs and PUP, the following PCA was identified at the Phase One Property; however, is not considered to result in an APEC at the Phase One Property:

- Heating for Site Buildings B and C was provided by a 1,000-L fuel oil UST. Previous subsurface investigations at the Phase One Property in 2006 was located near the west elevation of Site Building C to address the historical UST, as this was the reported former UST location. Based on the configuration of the Site and the locations of the boiler rooms, it is Pinchin's opinion that the UST was likely located within the vicinity of the north elevations of Site Buildings B and C; however, as noted in the 2015 Pinchin Phase I ESA Report, a GPR survey was completed along the north elevations of Site Buildings B and C, which did not identify clear evidence of a present or former UST (refer to Section 4.1.4). As such, it is Pinchin's opinion that no further work is warranted at this time.

4.2.5 City Directories

City directories for the years 1951 to 2011 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 2011. In addition, at the time of writing this report, and due to temporary closures of Public Libraries and the Archives of Canada, City Directories were not available for Pinchin's review for surrounding properties between 150 m and 250 m from the Phase One Property. This represents a potential data gap in the historical documentation review process.

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
1951-1959.	Site not listed.
1960.	Kosub MW Apartment Rental Ltd., and apartment listings.
1966-1980.	Kosub MW Apartment Rental Ltd., and McKeller Park Apartments.
1984-2002.	Kerwin Realities Ltd., and McKellar Park Apartments.
2006-2011.	Kerwin Realities Ltd., and McKellar Park Suites.

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

In general, the city directories indicated that the properties in the City Directory Search Area have been historically occupied by commercial, institutional and residential land uses since approximately 1952. Based on Pinchin's review of the above-noted city directories, the following PCA was identified within the Phase One Study Area outside of the Phase One Property:

- Bruce Fuels. Ltd was listed at 2019 Carling Avenue from 1960 until 1971. This property is located approximately 125 m southwest of the Site. In addition, based on Pinchin's review of aerial photographs (refer to Section 4.3.1), this property was not equipped with a retail fuel outlet (RFO) during this timeframe. Based on the above-noted information, the distance between this property and the Site and the fact that this property has been redeveloped, it is Pinchin's opinion that this historical off-Site operation is unlikely to result in potential subsurface impacts at the Site.

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. A copy of an aerial photograph dated 1983 was obtained from the National Air Photo Library in Ottawa, Ontario and reviewed by Pinchin. In addition, digital aerial photographs dated 1958, 1965, 1976, 1991, 2002, 2011, 2017 and 2019 were reviewed on the City of Ottawa e-map website (http://maps.ottawa.ca/geoOttawa/) by Pinchin. The 1983 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.

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
1958-2019	Three buildings were visible on the Phase One Property, which were similar in size, shape and orientation to the present-day Site Buildings.

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

The aerial photograph review did not identify any PCAs within the Phase One Study Area, including the Phase One Property. Copies of the aerial photographs of the Phase One Property and surrounding area are provided in Appendix J.

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 81.3 m above mean sea level (mamsl). The general topography in the local and surrounding areas is generally flat with a slight grade downwards in elevation to the northeast. No bedrock outcrops were observed on-Site or in the surrounding area.

A review of the available physiographical data indicates that the Phase One Property and the surrounding properties located within the Phase One Study Area are located within alluvial deposits consisting of stratified gravel, sand, silt and clay. Bedrock is expected to consist of sedimentary rocks consisting of limestone, dolomite, shale, argillite, sandstone, quartzite, and/or grit. The topography is considered gradually slope towards the northeast. During a previous on-Site environmental investigation (i.e., the 2006 Terrapex Phase II ESA Report), the soil stratigraphy was observed to consist of sand/silty sand that extended to the maximum borehole completion depth of 1.0 mbgs.

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 northeasterly direction. No water bodies are located within the Phase One Study Area, and the nearest surface water body is the Ottawa River located approximately 1.2 km north of the Phase One Property at an elevation of approximately 53.0 mamsl.

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

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.

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.

A review of the municipal plan for the City of Ottawa indicated that the Phase One Study Area is not located in whole or in part within a well head protection area or other designation identified by the City of Ottawa for the protection of groundwater.

The records review did not identify the presence of wells at the Phase One Property that supply water for human consumption or for agricultural purposes. However, the Water Well Information System database search completed by ERIS identified 46 water wells used for a domestic water supply at various properties within the Phase One Study Area, outside of the Phase One Property. Details regarding this well are provided in the ERIS report in Appendix E.

4.3.5 Well Records

A search of the Water Well Information System database by ERIS did not identify and water well records for the Phase One Property.

The Water Well Information System database search also identified 46 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.

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
Ms. Diana Gomes-Guzman	Current owner of Phase One Property	July 20, 2021 (Phase One Property)	In-person interview during Site reconnaissance

Ms. Gomes-Guzman was chosen to be interviewed given that she has owned the Phase One Property since 2015 and is familiar with the recent operational history of the Phase One Property. Ms. Smith 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.

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

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 July 20, 2021 by a Pinchin representative (i.e., Mr. Dave Labelle), under the direct supervision of Pinchin’s QP overseeing this project. Mr. Labelle is a 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 document environmental conditions. During the Site reconnaissance, Pinchin viewed all accessible areas within the Phase One Property and viewed publicly-accessible portions of the adjacent lands for the presence of actual or potential issues of environmental concern.

The Site reconnaissance was conducted between the hours of 9:00 AM and 11:00 PM. During the Site reconnaissance, the weather was clear and sunny, and the ambient temperature was approximately 22° Celsius with no breeze. The Phase One Property reconnaissance was conducted on foot and consisted of a full walk-through of the Phase One Property. There were no access restrictions for Pinchin for the Phase One Property with the exception of the rooftops, which could not be accessed at the time of the Site reconnaissance. In addition, 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, mechanical rooms, laundry rooms and public spaces. At the time of the Site reconnaissance, the Phase One Property was occupied by multi-tenant residential tenants.

Photographs taken during the Site reconnaissance that illustrate the 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 three buildings/structures on the Phase One Property. The buildings consisted of three-storey multi-tenant residential buildings (Site Buildings A-C). The Site Representative reported that the Site Buildings were constructed in approximately 1958.

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 the ground floor of each Site Building, which are partially below grade. In addition, the ground floors were primarily used for an electrical room, storage rooms, laundry room and residential units.

6.2.3 Description of Tanks

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

6.2.4 Potable and Non-Potable Water Sources

During the Site reconnaissance, Pinchin did not observe potable or non-potable water sources on the Phase One Property. The Phase One Property is serviced by a municipal water supply via underground piping running west from Carling Avenue into the ground floor of each 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 lines, and municipal water, storm and sanitary sewer lines.

The natural gas, telephone, electrical, water and sanitary sewer services enter the Site Buildings via underground lines running from Carling Avenue into the ground floor of the Site Buildings. Stormwater is captured via a catch basin in the parking lot and directed southeast via underground piping to a main storm sewer line under Carling Avenue.

6.2.6 Entry and Exit Points

The main man-door entry/exit point for tenants of the Site Buildings is located adjacent to the south elevation of each Site Building. A second entry/exit point to the Site Buildings is located adjacent to the north elevation of each Site Building.

6.2.7 Details of Heating System

During the Site reconnaissance, Pinchin observed natural gas-fired boilers on the ground floor of each Site Building. Site Buildings B and C were previously heated by fuel oil-fired boilers located on the ground floor of Site Buildings B and C. The fuel supply for the boilers was provided by a 1,000-L UST. The former fuel oil UST is a PCA at the Phase One Property.

6.2.8 Details of Cooling System

During the Site reconnaissance, Pinchin observed window-mounted air conditioners units at each Site Building. The air conditioners were noted to be a newer model, and as such are not expected to contain ozone-depleting substances.

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 each Site Building.

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.

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

6.2.13 Details of Sewage Works

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

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 southeast boundary 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.

6.2.17 Areas of Stressed Vegetation

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

6.2.18 Areas of Fill and Debris Materials

No obvious areas where fill material or debris have been placed or graded were observed by Pinchin at the Phase One Property.

6.2.19 Potentially Contaminating Activities

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

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

- Item 55 – Transformer Manufacturing, Processing and Use (four pole-mounted oil-cooled transformers are located on the northwest portion of the Phase One Property).

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 and commercial. Land use types within the Phase One Study Area are presented on Figure 2.

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	Down/transgradient	Residential dwellings followed by Bromley Road, residential dwellings, Lauder Drive and additional residential dwellings to beyond 250 m from the Phase One Property.	Residential	Land uses are not considered to represent PCAs.
South	Up/transgradient	Carling Avenue followed by residential dwellings to beyond 250 m from the Phase One Property.	Residential	Land uses are not considered to represent PCAs.
East	Down/transgradient	Multi-tenant residential buildings followed by McKellar Avenue, residential dwellings, additional multi-tenant residential buildings and a multi-tenant commercial building to beyond 250 m from the Phase One Property.	Residential/ commercial	Land uses are not considered to represent PCAs.
West	Up/transgradient	Bromley Road followed by multi-tenant residential buildings and residential dwellings to beyond 250 m from the Phase One Property.	Residential	Land uses are not considered to represent PCAs.

No PCAs were observed at the time of the Site reconnaissance within the rest of the Phase One Study area.

6.3 Enhanced Investigation Property

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

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

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

6.4 Written Description of Investigation

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

6.4.1 Phase One Property

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

- Review of available historical records, including FIPs, previous environmental reports, ERIS regulatory search, information obtained through MECP FOI and TSSA requests, PURs, PUPs, city directories and aerial photographs;
- A Site reconnaissance completed on July 20, 2021 by Mr. Dave Labelle 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 online by the MNRF for the presence of areas of natural significance.

Pinchin's investigation of the Phase One Property identified the following PCAs (as labelled on Figure 3):

- PCA #1 (Item 28 – Gasoline and Associated Products Storage in Fixed Tanks – a former fuel oil UST was located at the Phase One Property). Based on previous work completed at the Phase One Property (refer to Section 4.1.4), it is Pinchin's opinion that this PCA is not considered an APEC at the Phase One Property; and
- PCA #2 (Item 55 – Transformer Manufacturing, Processing and Use – four pole-mounted oil-cooled transformers are located on the north portion of the Phase One Property). Based on Pinchin's observations during the Site reconnaissance (i.e., no staining), it is Pinchin's opinion that this PCA is not considered an APEC at the Phase One Property.

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

Pinchin's investigation did not identify the presence of wells at the Phase One Property that currently supply water for human consumption or for agricultural purposes.

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 FIPs, 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 identified the following PCA within the Phase One Study Area:

- PCA #3 (Item 28 – Gasoline and Associated Products Storage in Fixed Tanks – Bruce Fuels. Ltd was listed at 2019 Carling Avenue from 1960 until 1971. This property is located approximately 125 m southwest of the Site).

This additional PCA is not considered to represent an APEC at the Phase One Property given the distance from the PCA to the Phase One Property, Pinchin's review of aerial photographs (refer to Section 4.3.1) and the fact that this property has been redeveloped.

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

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

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

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

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

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, PURs, city directories, etc.
Prior to 1958.	Unknown.	Assumed agricultural/ vacant undeveloped land.	Vacant.	The city directories reviewed by Pinchin indicated that he Phase One Property was not listed prior to 1959. Furthermore, a 1959 PUR reviewed by Pinchin indicated that the Site Buildings were constructed in 1958.
1958-present	Unknown and the Client	Multi-tenant residential buildings	Residential	The Site Buildings were evident in all aerial photographs since 1958. The city directories reviewed by Pinchin indicated the presence of various residential tenants at the Phase One Property during this timeframe.

To the best of Pinchin's knowledge, the Phase One Property was undeveloped until the construction of the Site Buildings in approximately 1958. The usage of the Phase One Property prior to the construction of the Site Buildings in 1958 is inferred to have consisted of vacant agricultural/undeveloped land. Subsequent to the construction of the Site Buildings, the Phase One Property has been occupied by three

multi-tenant residential buildings (as per the city directory searches, configuration of the Site Buildings, and information provided by the Site Representative).

It is Pinchin's opinion that the date of the first developed use of the Phase One Property is approximately 1958, with the construction of the Site Buildings. The date of the first developed use of the Phase One Property was determined through a review of aerial photographs, PURs provided by Opta, 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 at the Phase One Property:

- PCA #1 (Item 28 – Gasoline and Associated Products Storage in Fixed Tanks – a former fuel oil UST was located at the Phase One Property). Based on previous work completed at the Phase One Property (refer to Section 4.1.4), it is Pinchin's opinion that this PCA is not considered an APEC at the Phase One Property; and
- PCA #2 (Item 55 – Transformer Manufacturing, Processing and Use – four pole-mounted oil-cooled transformers are located on the north portion of the Phase One Property). Based on Pinchin's observations during the Site reconnaissance (i.e., no staining), it is Pinchin's opinion that this PCA is not considered an APEC at the Phase One Property.

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

- PCA #3 (Item 28 – Gasoline and Associated Products Storage in Fixed Tanks – Bruce Fuels. Ltd was listed at 2019 Carling Avenue from 1960 until 1971. This property is located approximately 125 m southwest of the Site).

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 1.16 acres (0.47 hectares) in size located at the northeast corner of the intersection of Carling Avenue and Bromley Road in the City of Ottawa. The Phase One Property is improved with three multi-tenant residential buildings (Site Buildings A-C). The Phase One Property has been used for residential purposes since initial development in 1958. There is no record of industrial use or of a commercial use (e.g., garage, bulk liquid dispensing facility or dry cleaner) that would require classifying the Phase One Property as an Enhanced Investigation Property;
- No water bodies were identified within the Phase One Study Area. The nearest water body is the Ottawa River, which is located approximately 1.2 km north 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;
- A total of three PCAs were identified within the Phase One Study Area, consisting of two PCAs at the Phase One Property and one PCA within the Phase One Study Area, outside of the Phase One Property. As shown on Figure 3, the off-Site PCA was due to a city directory listing for Bruce Fuels. Ltd. (2019 Carling Avenue) from 1960 until 1971. This property is located approximately 125 m southwest of the Site. In addition, based on Pinchin's review of aerial photographs (refer to Section 4.3.1), this property was not equipped with an RFO during this timeframe. Based on the above-noted information, the distance between this property and the Phase One Property and the fact that this property has been redeveloped, this off-Site PCA is not considered to result in an APEC at the Phase One Property. The two on-Site PCAs (i.e., former fuel oil UST and on-Site transformer) are not considered APECs at the Phase One Property based on previous

work completed at the Phase One Property or Pinchin's observations during the Site reconnaissance (i.e., no staining);

- Underground utilities at the Phase One Property provide potable water, natural gas, telephone, cable and sewer services to the Site Buildings. These services enter the ground floor of each Site Building through a subsurface conduit of each Site Building. Storm sewer catch basins located in the parking lot in the north portion of the Phase One Property connect to the municipal storm sewer line in Carling Avenue. Plans were not available to confirm the depths of these utilities, but they are estimated to be located approximately 2.0 to 3.0 mbgs. The depth to groundwater at the Phase One Property is estimated to be approximately greater than 1.0 mbgs, which coincides with the approximate depth to the water table. As such, it is possible that the utility corridors may act as preferential pathways for contaminant distribution and transport in the event that shallow subsurface contaminants exist at the Phase One Property;
- The Phase One Property and the surrounding properties located within the Phase One Study Area are located within alluvial deposits consisting of stratified gravel, sand, silt and clay. Bedrock is expected to consist of sedimentary rocks consisting of limestone, dolomite, shale, argillite, sandstone, quartzite, and/or grit. During a previous on-Site environmental investigation (i.e., the 2006 Terrapex Phase II ESA Report), the soil stratigraphy was observed to consist of sand/silty sand to a depth of approximately 1.0 mbgs; and
- The Phase One Property and adjacent and surrounding properties slope gradually down towards the northeast. Local groundwater flow is inferred to be to the northeast, based on the topography and the nearest body of water (i.e., Ottawa 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 the potential Site Plan Approval application at the Phase One Property.

Based on the findings of this Phase One ESA, Pinchin identified two PCAs at the Phase One Property (i.e., on-Site) and one PCA within the Phase One Study Area outside of the Phase One Property (i.e., off-Site). The PCAs are not considered to result in APECs at the Phase One Property given observations

made during Pinchin's Site reconnaissance and/or previous work completed at the Phase One Property and/or their distance from the Phase One Property. As such, it is Pinchin's opinion that the Phase One Property is suitable for the intended Site Plan Approval application at the Phase One Property 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. 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 an RSC 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 July 20, 2021, and a review of available historical information and information obtained from interviews.

This report has been issued without having received a response to a request for information from the MECP. 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 1951, 1967 and 1983 Carling Avenue in Ottawa, Ontario (Site), at the time of the Site reconnaissance. This Phase One ESA was performed in general compliance with currently acceptable practices for environmental site investigations, and specific Client requests, as applicable to this Site. This report was prepared for the exclusive use of 2473493 Ontario Inc. (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.

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

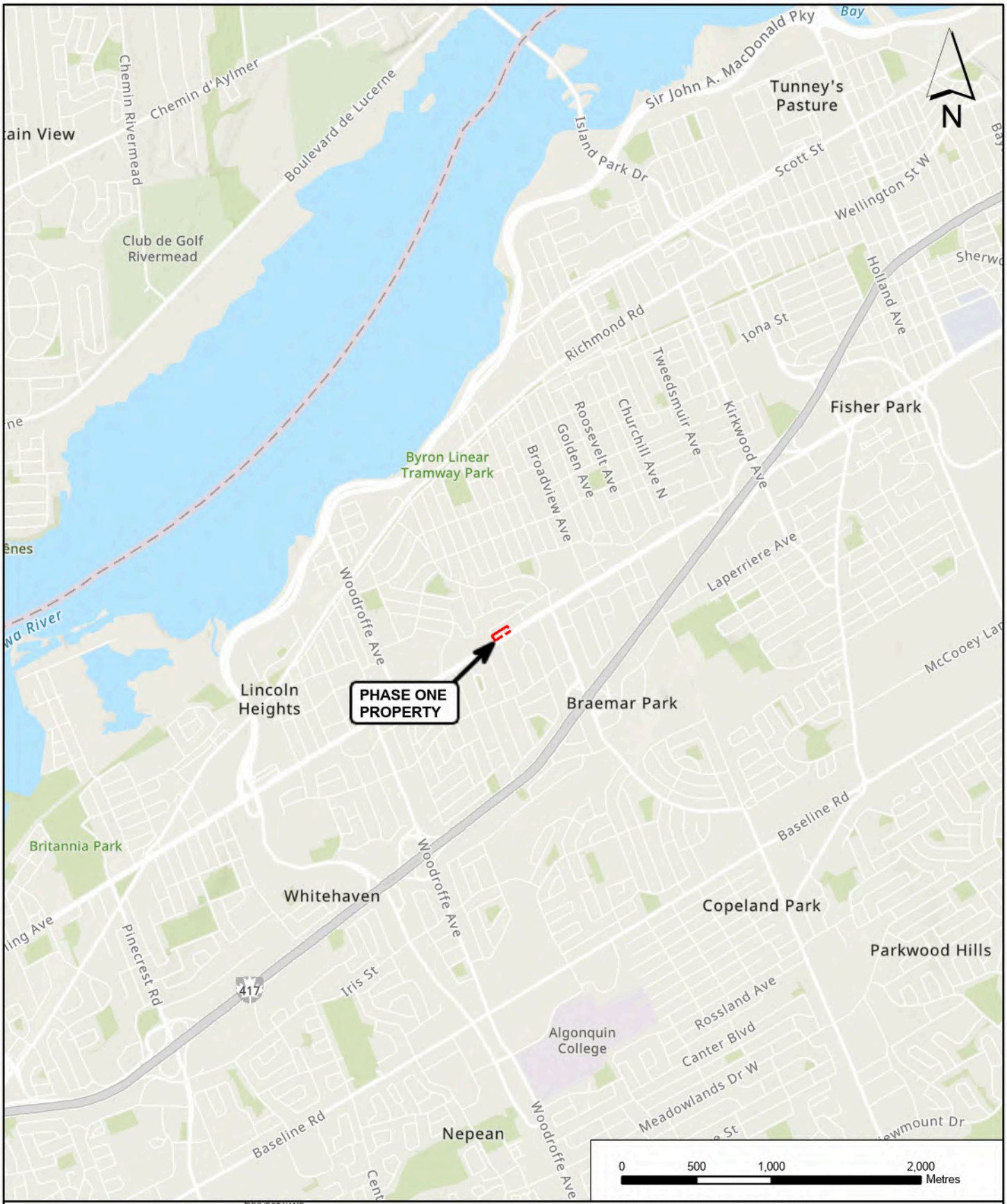
The following documents, persons or organizations provided information used in this report:

- Ms. Diana Gomes-Guzman, Site Owner since 2015 [Site Representative].
- ERIS report entitled “1951, 1967 and 1983 Carling Avenue, Ottawa, ON”, and dated July 20, 2021 (ERIS Project #21071599227).
- Opta Information Intelligence.
- The Atlas of Canada – Surficial Materials: http://atlas.nrcan.gc.ca/site/english/maps/environment/land/surficialmaterials/1
- The Atlas of Canada – Bedrock Geology: http://atlas.gc.ca/site/english/maps/archives/3rdedition/environment/land/016?w=4&h=4&l=6&r=4&c=12.
- Toporama – Topographic Maps: http://atlas.gc.ca/site/english/maps/topo/map.

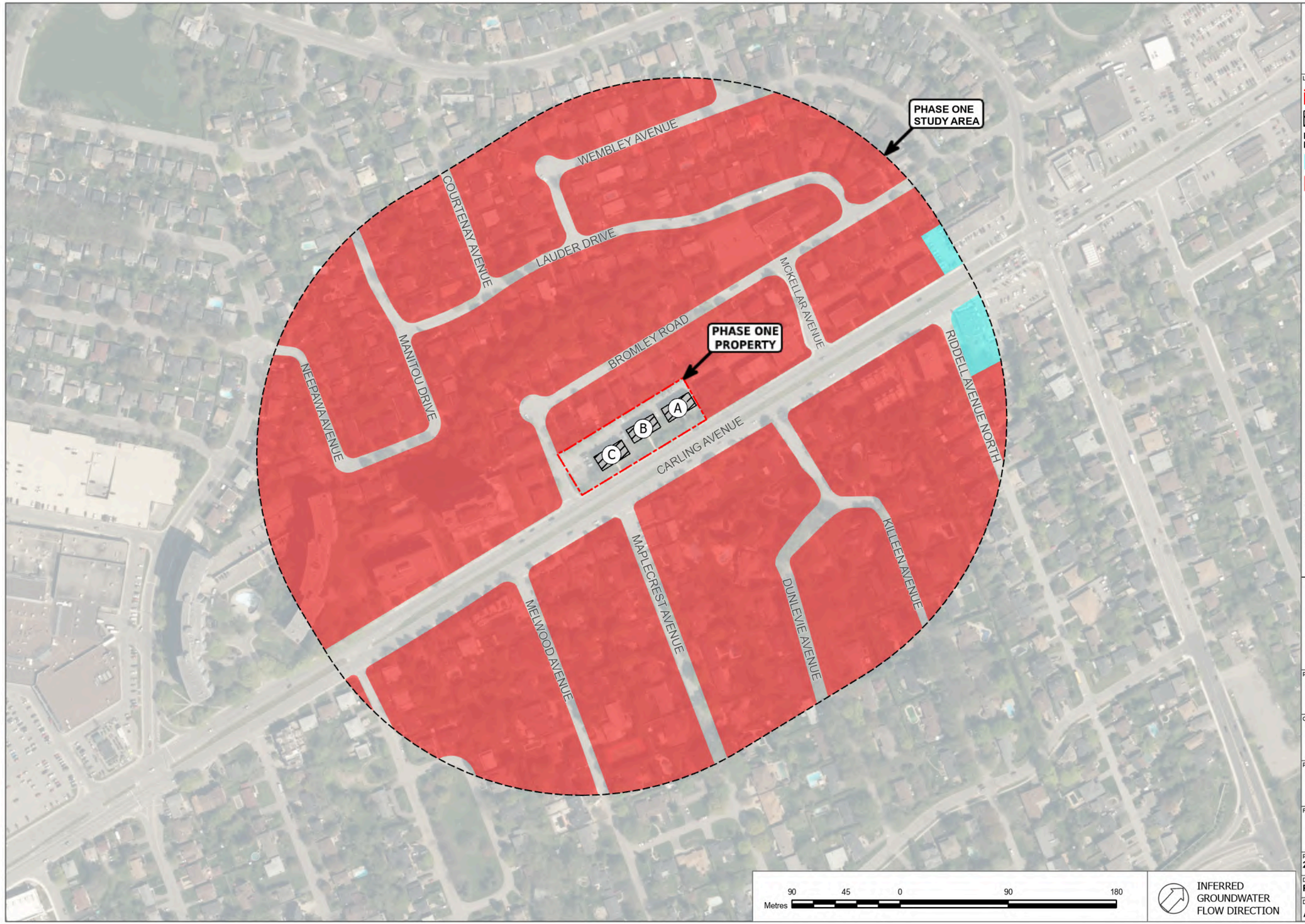
- Province of Ontario. Environmental Protection Act R.S.O. 1990, c. E.19 and Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act. Last amended by Ontario Regulation 333/13 on December 13, 2013.
- Canadian Standards Association (CSA) Standard. CSA Z768-01, Phase I Environmental Site Assessment, Canadian Standards Association International, November 2001, reaffirmed in 2012.
- Ministry of the Environment, Conservation and Parks.
- MECP Brownfields Environmental Site Registry.
- Google Earth™ Satellite Imagery.
- Intera Technologies Inc. *Inventory of Coal Gasification Plant Waste Sites in Ontario.* April 1987.
- Intera Technologies Inc. *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario*. November 1988.
- "*Phase II Environmental Site Assessment, 1951, 1967 and 1983 Carling Avenue, Ottawa, Ontario*" prepared by Terrapex Environmental Ltd. for Mr. Allen Kerwin, and dated February 7, 2006.
- "*Phase I Environmental Site Assessment, 1951, 1967 and 1983 Carling Avenue, Ottawa, Ontario*", prepared by Pinchin Ltd. for TD Commercial Banking, and dated June 15, 2015.
- "*Phase I Environmental Site Assessment Update, 1951, 1967 and 1983 Carling Avenue, Ottawa, Ontario*", prepared by Pinchin Ltd. for McKellar Park Suites, and dated May 29, 2018.
- "*Phase I Environmental Site Assessment, 1951, 1967 and 1983 Carling Avenue, Ottawa, Ontario*", prepared by Pinchin Ltd. for 2473493 Ontario Inc., and dated December 1, 2020.

10.0 APPENDICES

APPENDIX A
Figures



PROJECT NAME:	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT				
CLIENT NAME:	2473493 ONTARIO INC.				
PROJECT LOCATION:	1951, 1967 AND 1983 CARLING AVENUE, OTTAWA, ONTARIO				
FIGURE NAME:	KEY MAP				FIGURE NUMBER: 1
PROJECT NUMBER: 295895	SCALE: AS SHOWN	DRAWN BY: PKM	REVIEWED BY: KF	DATE: AUGUST 2021	



N

LEGEND

- PHASE ONE BOUNDARY
- SITE BUILDING
- PHASE ONE STUDY AREA
- COMMERCIAL
- RESIDENTIAL

NOTES:
1) Proprietary information may not be reproduced or divulged without prior written consent of Pinchin Ltd.
2) Do not scale drawing.
3) This drawing may have been reduced. All scale notations indicated are based on a 11"x17" format drawings.
4)Legend is color dependent. Non-colour copies may alter interpretation.
5) Coordinate system: NAD 1983 CSRS UTM Zone 18N.
6) Source: Pinchin Ltd., .

PINCHIN

PROJECT NAME
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

CLIENT NAME
2473493 ONTARIO INC.

PROJECT LOCATION
1951, 1967 AND 1983 CARLING AVENUE, OTTAWA, ONTARIO

FIGURE NAME
PHASE ONE STUDY AREA

PROJECT NUMBER:	SCALE
295895	AS SHOWN
DRAWN BY: PKM	REVIEWED BY: KF
DATE: AUGUST 2021	FIGURE NUMBER: 2

N

LEGEND

- POTENTIALLY CONTAMINATING ACTIVITIES
- PHASE ONE PROPERTY
- SITE BUILDING

NOTES:
1) Proprietary information may not be reproduced or divulged without prior written consent of Pinchin Ltd.
2) Do not scale drawing.
3) This drawing may have been reduced. All scale notations indicated are based on a 11"x17" format drawings.
4) Legend is color dependent. Non-colour copies may alter interpretation.
5) Coordinate system: NAD 1983 CSRS UTM Zone 18N.
6) Source: Pinchin Ltd., .

PINCHIN

PROJECT NAME
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

CLIENT NAME
2473493 ONTARIO INC.

PROJECT LOCATION
1951, 1967 AND 1983 CARLING AVENUE, OTTAWA, ONTARIO

FIGURE NAME
POTENTIALLY CONTAMINATING ACTIVITIES

PROJECT NUMBER:	SCALE
295895	AS SHOWN
DRAWN BY: PKM	REVIEWED BY: KF
DATE: AUGUST 2021	FIGURE NUMBER: 3

APPENDIX B
Photographs

Photo 1 – Site Building A (northwest elevation).

Photo 2 – Site Building B (southeast elevation).

Photo 3 – Site Building C (northwest elevation).

Photo 4 – Property located northeast of the Phase One Property.

Photo 5 – Properties located northwest of the Phase One Property.

Photo 6 – Properties located southeast of the Phase One Property.

Photo 7 – Properties located southwest of the Phase One Property.

APPENDIX C

Survey Plan

TOPOGRAPHICAL PLAN OF SURVEY OF

PART OF BLOCK B
REGISTERED PLAN 4M-98
CITY OF OTTAWA

Surveyed by Annis, O'Sullivan, Vollebekk Ltd.

Scale 1 : 200

8.0 6.0 4.0 2.0 0 4 8 Metres

Metric

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

Notes & Legend

Denotes

—○—	=	Survey Monument Planted
—■—	=	Survey Monument Found
SIB	=	Standard Iron Bar
SSIB	=	Short Standard Iron Bar
IB	=	Iron Bar
CC	=	Cut Cross
IBø	=	Round Iron Bar
(WIT)	=	Witness
Meas.	=	Measured
(AOG)	=	Annis, O'Sullivan, Vollebekk Ltd.
(P1)	=	Registered Plan M-98
(P2)	=	Plan 4R-9368
(P3)	=	(AOG) Plan dated January 12, 1994
(P4)	=	(AOG) Plan dated October 18, 1999
FH	=	Fire Hydrant
WV	=	Water Valve
SP	=	Water Stand Post
MH-ST	=	Maintenance Hole (Storm Sewer)
MH-S	=	Maintenance Hole (Sanitary)
MH-B	=	Maintenance Hole (Bell Telephone)
MH	=	Maintenance Hole (Unidentified)
VC	=	Valve Chamber (Watermain)
△ S	=	Sign
BF	=	Board Fence
PF	=	Picket Fence
P&W	=	Post and Wire
UP	=	Utility Pole
AN	=	Anchor
LS	=	Light Standard
ø	=	Diameter
+65.00 / +65.00	=	Location of Elevations / Top of Concrete Curb Elevation
C/L	=	Centreline
	=	Property Line
	=	Deciduous Tree
	=	Coniferous Tree
OHW	=	Overhead Wires
CB	=	Catch Basin
GM	=	Gas Meter
HH	=	Handhole
T/G	=	Top of Grate

Surveyor's Certificate

I CERTIFY THAT :

1. This survey and plan are correct and in accordance with the Surveys Act, the Surveyors Act and the Land Titles Act and the regulations made under them.
2. The survey was completed on the 2nd day of June, 2020.

Date

V. Andrew Shelp
Ontario Land Surveyor

ELEVATION NOTES

1. Elevations shown are geodetic and are referred to the CGVD28 geodetic datum.
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. A field location of underground plant by the pertinent utility authority is mandatory before any work involving breaking ground, probing, excavating etc.

Bearings are grid and are referred to Can-Net 2016 Real Time Network GPS observations, MTM Zone 9 (76°30' West Longitude) NAD-83 (original).

ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
2127722
THIS PLAN IS NOT VALID UNLESS IT IS AN EMBOSSED ORIGINAL COPY ISSUED BY THE SURVEYOR
In accordance with Regulation 1026, Section 29 (3).

ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
14 Concourse Gate, Suite 500
Nepean, Ont. K2E 7S6
Phone: (613) 727-0850 / Fax: (613) 727-1079
Email: Nepean@aovltd.com
Ontario Land Surveyors

Job No. 20394-20 1983 Carling Ave.-Block B RP M-98 Topo.-Dr

APPENDIX D

Opta Records

opta
INFORMATION INTELLIGENCE

enviroscan

An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

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

Report Completed By:

Sutharmina Balachandran

Site Address:

1983 Carling Avenue Ottawa ON Canada

Project No:

102315

Opta Order ID:

19764

Requested by:

Cheryl Coulas
Pinchin Ltd.

Date Completed:

2/18/2015 8:18:52 AM

Project Name: Multitenant Residential Buildings

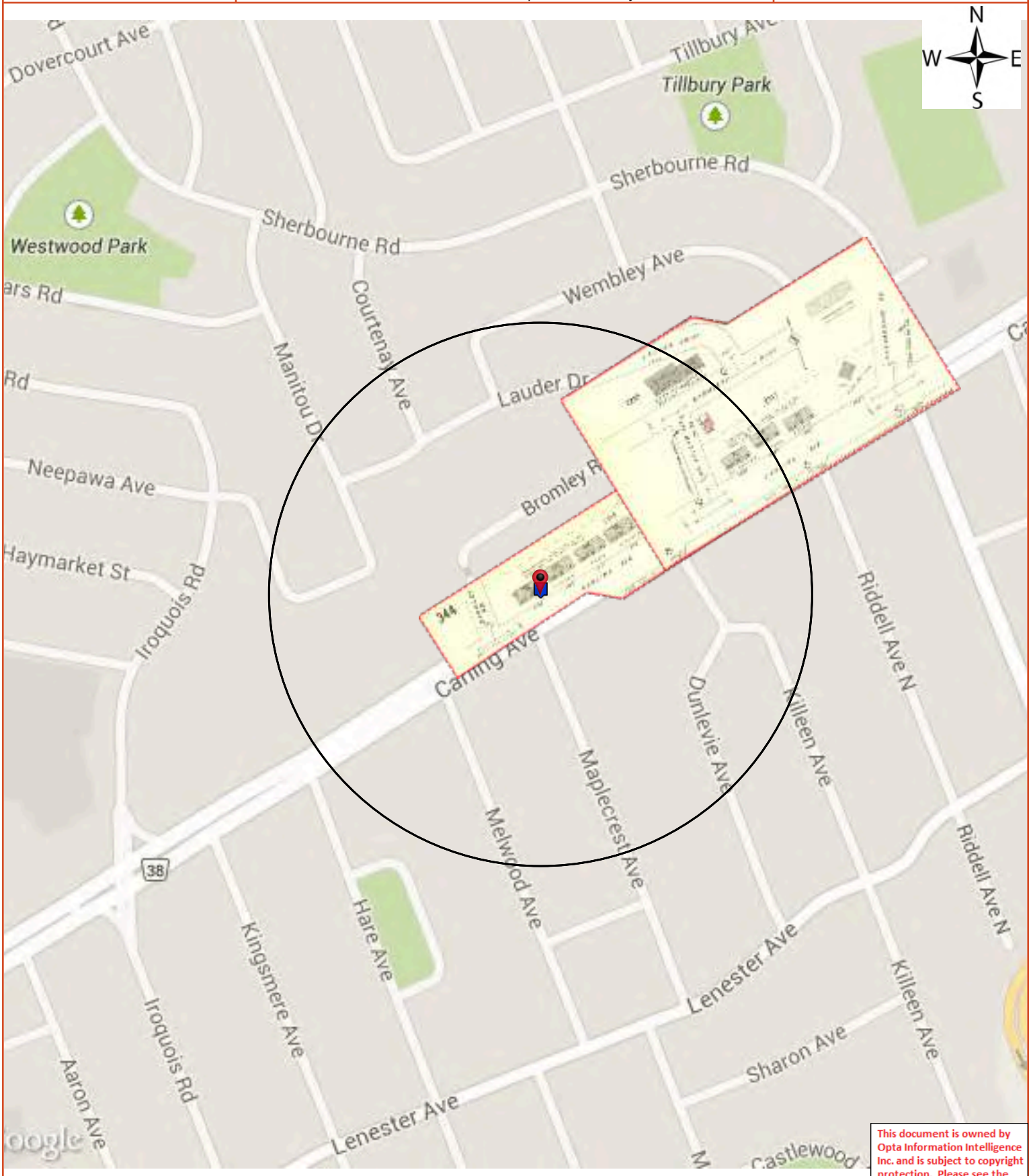
Project #: 102315

ENVIROSCAN Report

Search Area: 1983 Carling Avenue Ottawa ON Canada

Requested by:
Cheryl Coulas
Date Completed: February 18, 2015 08:18:52

enviroscan
OPTA INFORMATION INTELLIGENCE



Opta Historical Environmental Services Enviroscan™ 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 Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta 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 or in Opta's possession at the time of Report delivery to the purchaser. 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. Opta 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.

Disclaimer

Opta disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Opta Reports or from any tortious acts or omissions of Opta's agents, employees or representatives.

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 Ontario and the laws of Canada applicable therein.

ENVIROSCAN Report

Report Index

Requested by:
Cheryl Coulas
Date Completed: February 18, 2015 08:18:52

OPTA INFORMATION INTELLIGENCE

Page	Report Title
6	(1965) Volume: Ottawa Volume 3 Firemap: 344
8	(1965) Volume: Ottawa Volume 3 Firemap: 344
9	(1959) Survey For Rating Fire-Resistive Risks & Reinspec. Report - 1959 Various Tenants 1927,1939, 1951, 1967,1983 Carling Avenue Ottawa ON a (distance = 0 metres*)
14	(1959) Siteplan Report - 1959 1927,1939, 1951, 1967,1983 Carling Avenue Ottawa ON a (distance = 0 metres*)
16	Commercial Property Fire Rating Form Report - 19?? 1983 Carling Avenue Ottawa ON a (distance = 0 metres*)

N
W E
S

Project Name: Multitenant Residential Buildings

Project #: 102315

ENVIROSCAN Report

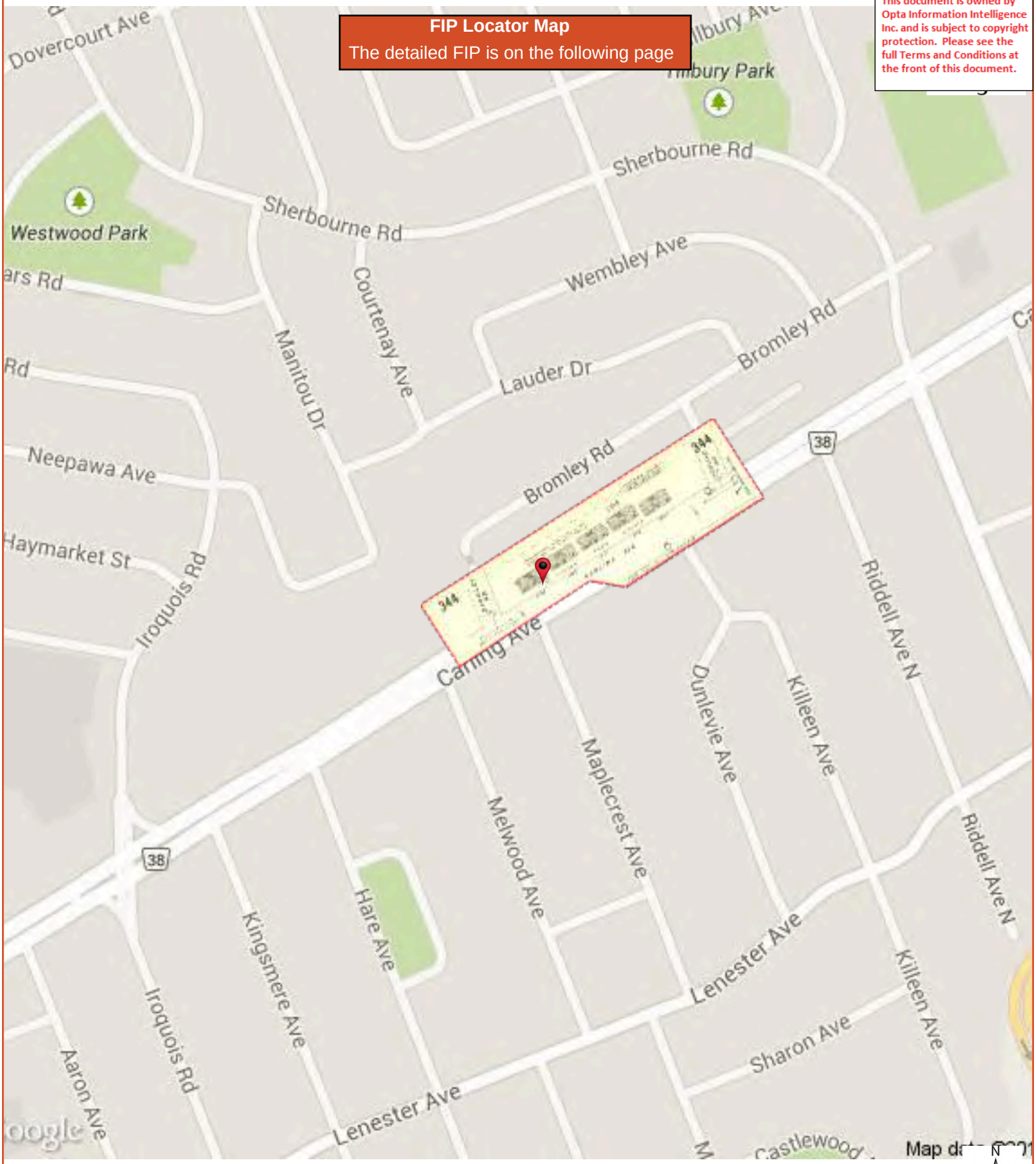
1965 Volume: Ottawa 3 Firemap: 344
Ottawa Volume 3 Plan: 1451 (1956)
Sheet: 344 (1965)

Requested by:
Cheryl Coulas
Date Completed: February 18, 2015 08:18:52

enviroscan
OPTA INFORMATION INTELLIGENCE

FIP Locator Map

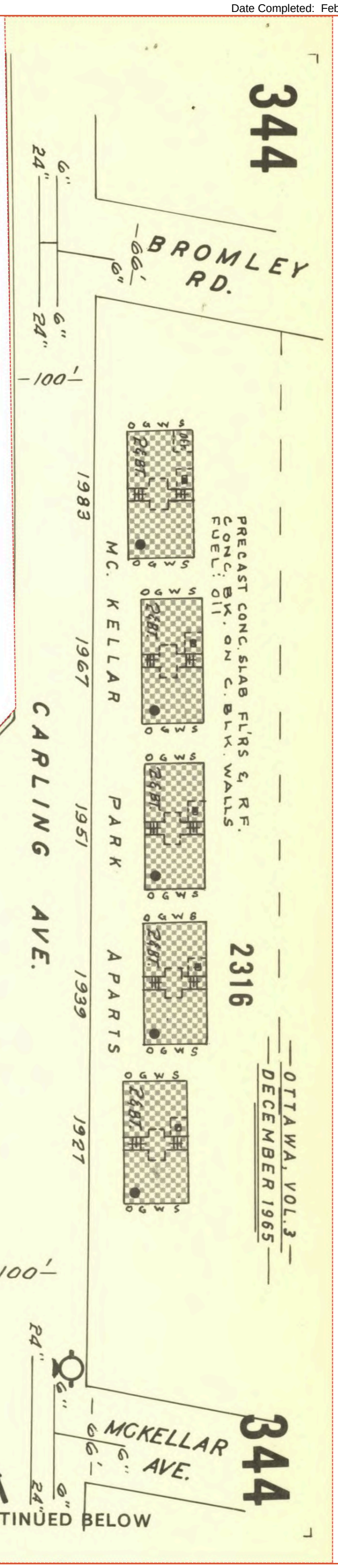
The detailed FIP is on the following page



HEIRS Report

1965 Volume: Ottawa 3 Firemap: 344
Ottawa Volume 3 Plan: 1451 (1956)
Sheet: 344 (1965)

Requested by:
Cheryl Coulas
Date Completed: February 18, 2015 08:18:52



Project Name: Multitenant Residential Buildings

Project #: 102315

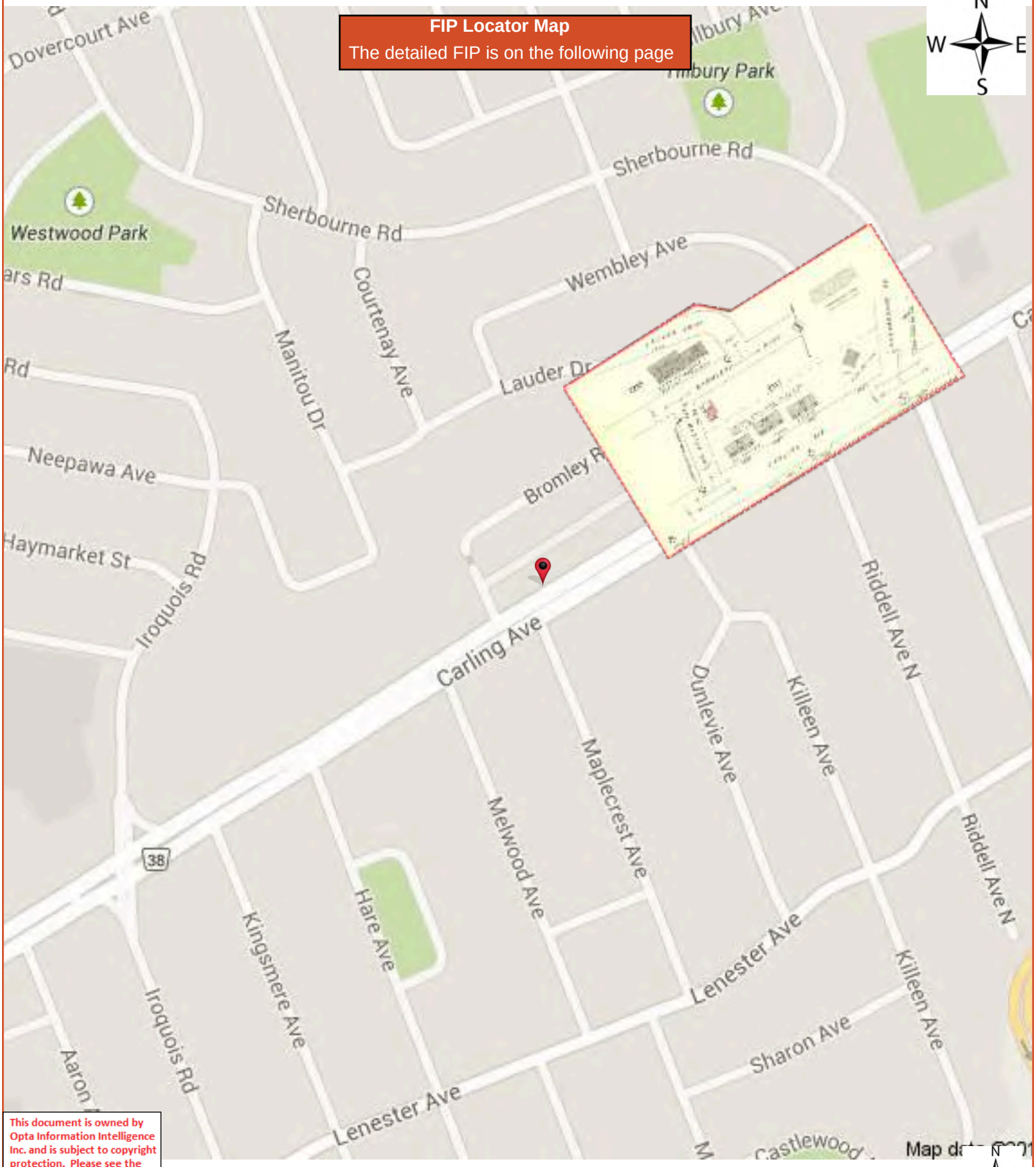
ENVIROSCAN Report

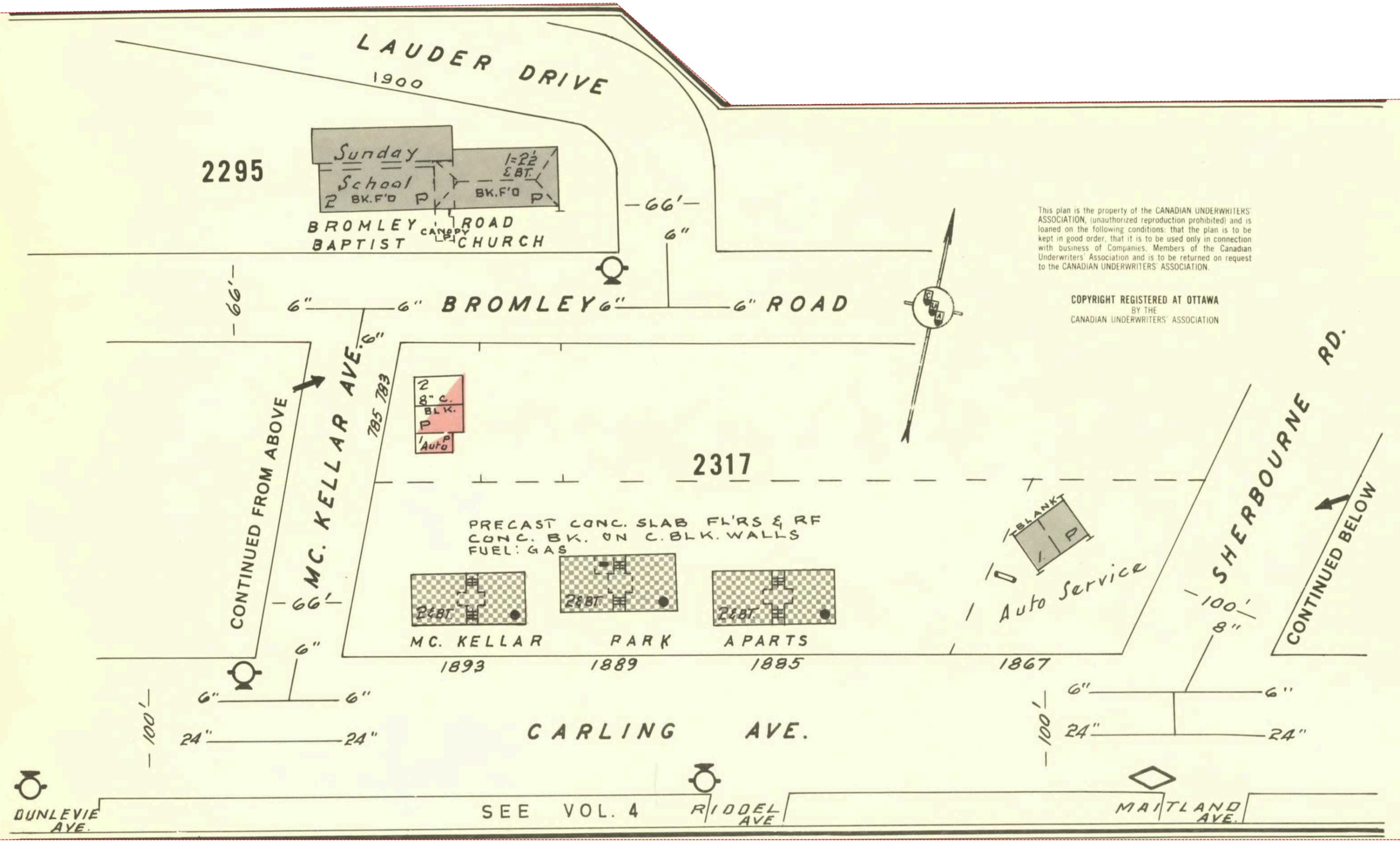
1965 Volume: Ottawa 3 Firemap: 344
Ottawa Volume 3 Plan: 1451 (1956)
Sheet: 344 (1965)

Requested by:
Cheryl Coulas
Date Completed: February 18, 2015 08:18:52

enviroscan
OPTA INFORMATION INTELLIGENCE

FIP Locator Map
The detailed FIP is on the following page





Survey For Rating Fire-Resistive Risks & Reinspec. Report - 1959 Various Tenants 1927,1939, 1951, 1967,1983 Carling Avenue Ottawa ON a

MERCANTILE DEPT.

Canadian Underwriters' Association

SURVEY FOR RATING FIREPROOF (FIRE-RESISTIVE) RISKS

Each question must be answered and the form signed by the owner, occupant or architect of the building, or it will be returned.

Key 1927-1939 1951-1967

Location (Town and Street) Ottawa (Twp Nepean) Carling Avenue Ins. Plan—S. 30? B. NOP No. 1983

Owned by M. W. Kozub Ltd. Occupied by Various Apartment Tenants

For Five-11 Suite Apartment Houses. No. of hands

Is building completely finished and out of workmen's hands? Yes

OCCUPANCY

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

Heating plants—Nos. 1967 + 1983—Fuel Oil—Nos. 1927-1939-1951—Natural Gas.

Three Dwelling Apartments—Locker + Laundry Room

2ND 3 Four Apartments

3RD Four Apartments

3rd

4th

5th

6th

B-P-14 (3 yrs) "K" 0' ertg

CONSTRUCTION OF BUILDING, INCLUDING COMBUSTIBLE FINISH

1. TYPE OF CONSTRUCTION—

(a) Reinforced concrete, flat slab or beam? (b) Skeleton steel and curtain wall?

2. Walls—State whether external walls are of brick or stone, reinforced concrete, hollow cement block, solid cement block, or hollow tile, and give thickness of walls in inches at each floor Brick faced HCB + HCB Walls

3. ROOF—State type and construction of roof and how supported 1 3/4" Concrete (Siporex) T/T Tar + Gravel on Steel Beams + Bar Joists.

(a) Is there any roof space? None If so, for what purpose is it used?

How is access obtained thereto? None If by trap or door, describe type

(b) Is there a texas, louvre, ventilator or skylight? None If so, which, giving size and height

(c) Are all skylights of wired glass in metal frames None

(d) Is there any wood in roof, louvres, ventilators or skylights; if so, give details? None

(e) Is there a wood roof laid over an incombustible one? No If so, how is it supported?

(f) If so, what is the maximum and minimum height of this above the incombustible roof? None

(g) Is the incombustible roof broken by texas, louvre, ventilator, trapdoor, skylight, stair, elevator or other shafts? None

If so, what is the construction of the sides through roof space? None

Is there any access or opening from these shafts to the roof space? Describe each separately None

(h) Is there a superstructure or Pent House of any kind on the roof? No If so, give construction and occupancy?

How is access obtained?

(Over)

4. **COLUMNS AND BEAMS**—If metal, are they exposed? No If protected, state nature and thickness of such protection.

(a) Columns Nil

(b) Beams Steel - M L + P - protected

5. **FLOORS**—State type, construction and thickness of each floor 2½" Concrete on Steel pan Steel Bar joists and steel beams

(a) Is there a wood wearing floor? yes (b) If so, on which storeys? in apartments on each floor

(c) Is it laid directly on incombustible floor or with an air space? Describe Laid flat

FLOOR OPENINGS

6. **Well Holes or Light Wells**—Give number in each floor, and size of openings None

7. **STAIRWAYS**—How many, and state from which floor to which? Two

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

Two enclosed in HCB Wood Self Closing Doors from 1st. to 3rd floor

8. **ELEVATORS**—How many, and state from which floor to which? None

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

9. **Chutes, Vents, Dumb Waiters and Belt Holes**—Give size, construction of enclosure (if any), type of door (if any), and whether self-closing, stating which floors are cut by each None

10. **Heating and Ventilating Ducts**—Are there any? yes (a) If so, are they in the Walls, or do they pass through the floors? in walls

(b) Give construction Metal (c) State whether separate duct to each floor without communication to other floors Separate each floor (d) Do ducts open into roof space? NO

11. **HEIGHT**—State number of floors and whether there is a basement 3 Storey - no basement

12. **Area**—Give ground floor dimensions? 87 x 43 = 3741 sqft.

13. **INTERIOR FINISH**—

State separately for each floor, finish to walls and ceilings.

	Bast.	1st	2nd	3rd	4th	5th	6th
(a) Walls		Plan Tiles	Plan Tiles	Plan Tiles			
(b) Ceilings		M L + P	M L + P	M L + P			
(c) Partitions		HCB	HCB	HCB			

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

Wood Tenants Locker Rooms

14. **Trim**—(a) Are there any wood skirting or baseboards? yes (b) Wood window frames? yes (c) Wood doors? yes (d) Is there any other inside or outside combustible finish other than above? Describe fully None

15. **HEATING**—What is the system of heating the building? Hot Water Where is heating plant located? Fireproof Room, in 1st Floor!

Is it in fireproof room with standard fire door? ..... Are there any stoves; if so, how many and where located? Electric in Offices only

1 3/4" Wood Metal Lined Inside Door S/Section Do any stoves vent otherwise than to brick or concrete chimneys; if so, give details? .....

16. **Fuel** Fuel Oil in #1 - 1967 Natural Gas in 1927-1939-1951 If fuel oil, what make of burner is used? PETRO

Where are storage tanks located, inside building or outdoors? Outside (1000) Are they above or below ground? Underground

If inside, what is capacity of tank or tanks? .....

17. **LIGHTING**—How is building lighted? Electricity If electric, is wiring open or in conduit? BX

18. **POWER**—Is any used? None If so, what kind? ..... Total Horse Power? .....

What used for? .....

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

19. **Gasoline or Benzine, or Other Oils**—Are any kept? None If so, what quantity of each? .....

What used for? .....

EXPOSURE

20. **Attachments**—Are there any attachments of inferior construction? None (a) Give dimensions, height, construction and occupancy, and indicate clearly on diagram .....

21. **Communications**—Does the building communicate with any other building? None

(a) If so, are buildings separated by solid wall? ..... (b) If so, are all openings protected by standard fireproof doors? .....

22. **Fireproof Doors**—Are all doors referred to as fireproof doors constructed as follows:—2½ in. thick, three-ply wood core, covered with tin, lockjointed, hung by heavy iron hinges or hangers bolted through the masonry, floor being cut by brick, stone or cement sill? .....

(a) Are they arranged to close automatically by fusible links and weights? .....

(b) Do they bear the Metal Approval Label of the Underwriters' Laboratories? ..... If so, state label numbers ..... Is hardware also "labelled"? .....

23. **Surroundings**—Show on diagram all buildings within 50 feet. See Diagram

24. **Windows**—Are all windows of wired glass in metal frames? No

PROTECTION

25. **Fire Department**—How many yards distant is the nearest brigade station? 2420+ Carling & Tauistock Aves.

26. **Hydrants**—What is the distance to the nearest two two-way hydrants? 125 + 200' Give size of main 6"

27. **Bucket Tanks or Chemical Extinguishers**—Are these provided? None If so, which? .....

(a) State how many on each floor. Basement ..... 1 — 2 — 3 — 4 ..... 5 ..... 6 .....

(b) If chemical extinguishers, state type and capacity? .....

(c) Do they bear the approval label of the Underwriters' Laboratories? ..... If so, state label numbers .....

28. **Standpipe and Hose**—Is there one standpipe (2 inch interior diameter) for each 5,000 square feet floor area with hose (1½ inch cotton) and ½-inch nozzle attached on each floor, so located that all parts of building may be reached with same? None

29. **Watchman**—Is there a Watchman making rounds of the whole premises, nights, Sundays, holidays, and at all times when plant is not in operation, rounds being made not less than once an hour during the night, i.e., from 6 p.m. to 6 a.m., and every two hours during the day? None

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

(b) Give name of manufacturer of clock ..... (c) Does it bear approval label of Underwriters' Laboratories? .....

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

(Over)

CANADIAN UNDERWRITERS' ASSOCIATION
Property Dept.
ONTARIO

RE-INSPECTION FORM
FIRE RESISTIVE RISKS

Ottawa

SHEET 344 BLOCK 2316 NO. 1927-39-51-67-83 STREET Carling Ave

OCCUPANCY

(UNDERLINE IN RED ALL CHANGES SINCE LAST INSPECTION)

(5) Apartments Houses.
There is an office in the basement of 1927
(real estate office)

OTHER CHANGES (STRUCTURAL, EXPOSURE, PROTECTION ETC.)

no changes.

DATE 12 March 1920 INSPECTOR Donald G. Comeau.
2120
2/13

Report 51

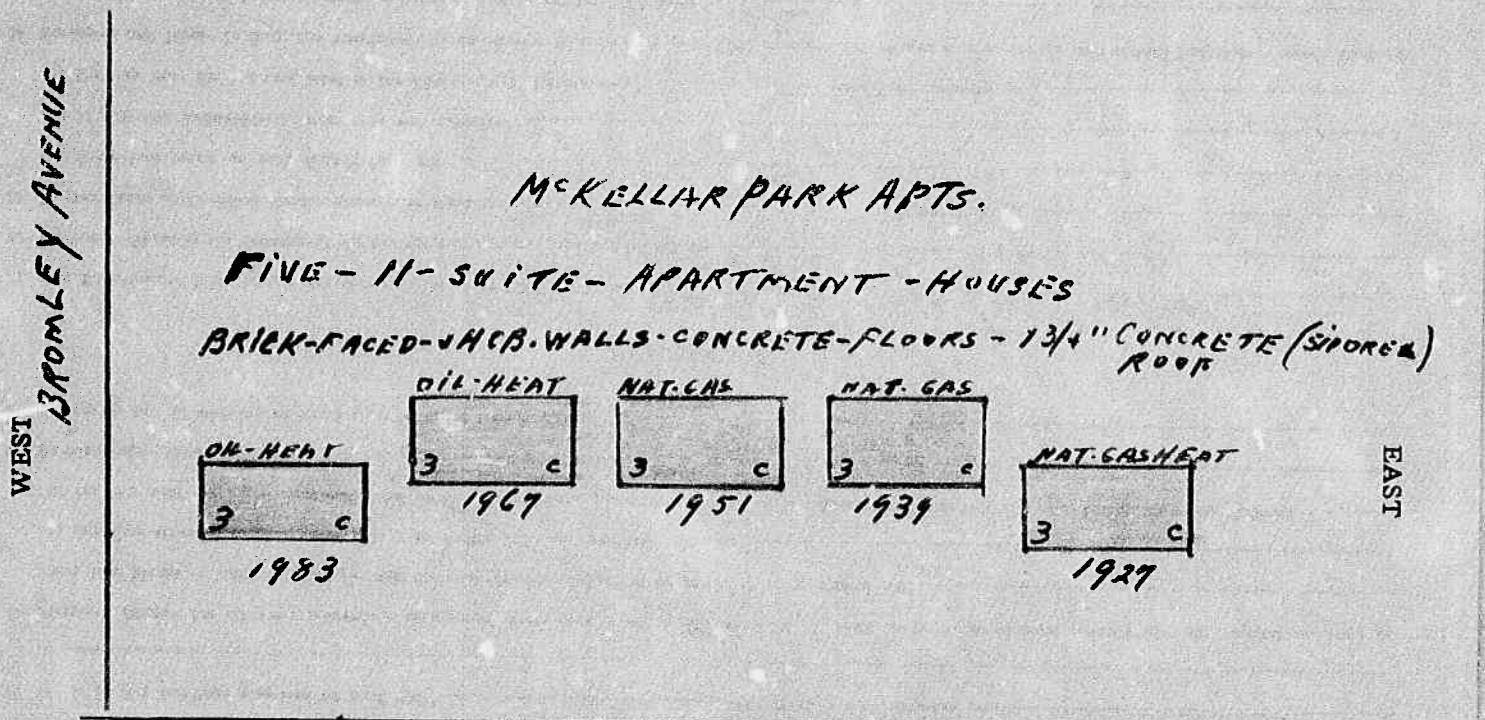
Siteplan Report - 1959 1927,1939, 1951, 1967,1983 Carling Avenue Ottawa ON a

DIAGRAM

(Note:—A diagram is not required if the Risk and all property within 100 feet is exactly as shown on the insurance plan.)
Show all Buildings within 50 feet of the Risk and describe their occupancy, show also any openings between adjoining Buildings and all exposed Windows. Show Frame Buildings with **BLACK**, Brick Buildings wit **RED**, Stone or Concrete Buildings with **BLUE** and Brick Veneered, Brick Nogged or Metal Clad Buildings with **DOTTED RED** lines for which purpose a red pencil can be used. Be sure to state exact distance between buildings shown.

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

NORTH



SOUTH

EXPOSURE. Note.—These questions must be answered fully.

North 200 ft. to building built of ..... stories high, occupied as Store
South 100 " " ..... " " Store
East 250 " " ..... " " Store
West 50 " " ..... " " Store

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

DATE March 12th., 1959 SIGNATURE H. Williamson - Inspector!
(State whether Owner, Occupant or Architect)

Form 235.

Commercial Property Fire Rating Form Report - 19?? 1983 Carling Avenue Ottawa ON a

terms and conditions.

COMMERCIAL PROPERTY FIRE RATING FORM

CODING			
IND.	TERR.	CONS.	PROT.
653	63	2	2

LOCATION OTTAWA NAME FILE NO.

ADDRESS 1983 CARLING AVENUE Insp'd. by G. AMES Date 17 MARCH

Rated by C. FOREST Date 10 DEC 1982

BASIC CONSTRUCTION: (SECTION II)

Construction Class 2 Bldg. Comb. Class 42

WALLS (ITEMS 210-215)

WALL AREA	MASONRY Wall Type	MASONRY Wall Thick.	FIRE RES. Dam. Type	FIRE RES. Fire Res.	NON COMB	COMB	DETAIL OF WALL CONSTRUCTION	% OF WALL PERIM	POINTS	CHARGES
	W-1		D-	HR			B/HCB + HCB	100 % x	-	= -
	W-		D-	HR				% x		=
	W-		D-	HR				% x		=
	W-		D-	HR				% x		=
	W-		D-	HR				% x		=
								% x		=
								% x		=
								% x		=

Columns in (or adjacent to) non-bearing masonry walls: Unprot. metal ☐ Comb. ☐

Panels in masonry or fire resistive walls: Comb. ☐ Non-comb. ☐ Glass ☐ Slow burning ☐

Special Conditions (Describe).....

FLOOR(S) AND ROOF (ITEMS 220-223)

LEVEL	DIMENSIONS	MAS. or F.R. Dam. Type	MAS. or F.R. Fire Res.	NON COMB	COMB	DETAILS OF FLOOR/ROOF MATERIALS	% of Total Floor/Roof Area	POINTS	CHARGES
Grade -	3DP	D-	HR	✓		2½" CONC ON UPL STEEL	% x	=	
		D-	HR				% x	=	
		D-	HR				1 % x	=	
		D-	HR				0 % x	=	140
Roof		D-	HR	✓		13½" CONC ON UPL STEEL	% x	=	

Total Basic Construction Charges: 140

Schedule Base ..... + 150

Building Base ..... = 290

Building Base x .7 Comb. Modifier (ITEM 230) x .001 = **BASIC BUILDING RATE:** .203

(carried fwd. overleaf) *

SECONDARY CONSTRUCTION: (SECTION III)

	% CHARGE
	20
	-
	20

Height: (ITEM 300) Nbr. Storeys 3 Bast. Yes Comb. Stories (Without ground level access) 42

Vertical Openings: (ITEM 310)

Type	Fm	To	Enclosure	Doors	% Chge.
V4	Bsmt	3rd	HCB	WOOD	1st. 10
					+ 5
					+ 5

Area: (ITEM 320) _____ x _____, _____ x _____, _____ x _____, ...

Grade Floor Area 3429 Total Area _____ Effective Area 3429

Roof Surface: (ITEM 330) Approved ☑ Other (Described).....

Combustible Concealed Spaces: (ITEM 340) Roof Space; Percentage of total roof area - % .....

Ceiling Space; Percentage of total floor area - % .....

Combustible Interior Construction: (ITEM 350)

Floor Surfacing; Percentage of total floor area - % .....

Interior Walls or Partitions; Percentage of total exterior wall area - % .....

Mezzanines or Decks, Percentage of total floor/roof area - % .....

Combustible Interior Finish or Insulation: (ITEM 360)

Walls: Percentage of total area of exterior walls; Ord. Dam. - % Spec. Dam. - % ....

Roof & Floor(s): Percentage of total area of ceilings; Ord. Dam. - % Spec. Dam. - % ....

Combustible Exterior Finish or Attachments: (ITEM 370) .....

Building Condition: (ITEM 380) Good ☐; Average ☑; Poor ☐; .....

Total Secondary Construction Charges: 20

(carried fwd. overleaf) **

OCCUPANCY: (SECTION ...)

Sr. No. Floor	Floor Area	% of Total Area	Occ'y Item No.	Name and Description of Occupancy and Hazards	Basic Occ'y Charge	Hazard Charges	Sep'd. Occ'y Factor	Total Occ'y Charge	Comb. Cl.	Susc. Cl.	Ind. Code
Common Hazards Applicable to Building				H.W. & ELEC		/					
			524	APARTMENT 11 UNITS	11				L2	S2	653

Building IND. CODE 653

TOTAL

Major Occupancy Charge (largest occupant, by area occupied) ..... 11 %
20% of _____ (next 10 highest additional Total Occupancy Charges) ..... - %
Common Hazards applicable to the Building ..... _____ %
Net Occupancy Charge ..... 11 %
L1, L2 Area 100 %
Net Occupancy Charge x .4 Occ'y Mod. Factor (ITEM 418) ..... = 4 %
**Total Secondary Construction Charge (brought forward from overleaf) ..... + 20 %

EXPOSURE: (SECTION VIII) Non Chargeable ☑

Facing Wall of Exposure						Facing Wall of Risk		Exposure Distance
Masonry Semi Prot.	Masonry Unprot.	Non-Comb.	Comb.	Comb. Cl.	Lth./Ht.	Comb. & Non-Comb	Masonry Unprot.	

Exposure Charge ..... + - %
Party Wall Exposure Charge (ITEM 831) ..... + - %
Communication Charge (ITEM 832) ..... + - %
+ 100 %

• (brought forward from overleaf) BASIC BUILDING RATE .203 x 124 % = UNPROTECTED BLDG. RATE .252

MUNICIPAL PROTECTION: (SECTION IX)
F.U.S. Prot. Class 3 Revised Prot. Class _____
Dist. to Hydrants: Stdr. ☑ Non Stdr. ☐ .....m. Accessibility: Good ☑ Poor ☐
Dist. to Fire Hall: Stdr ☑ Non Stdr. ☐ .....km. Congested Area: Yes ☐ No ☑
Unprotected Bldg. Rate x 44 Protection Class Factor ..... = PROTECTED BLDG. RATE .111

BUILDING ADJUSTMENT FACTOR: (SECTION X)
Protected Bldg. Rate x 97 Building Adjustment Factor ..... = GROSS BLDG. RATE .1108

INTERNAL PROTECTION: (SECTION XI)
Extinguishers Stdr. ☐ - % Credit W. & C. Stdr. ☐ - % Credit
S.P. & H. Stdr. ☐ - % Credit Automatic Fire Detection System Stdr. ☐ - % Credit
Automatic Sprinklers ☐ (Describe) ..... - % Credit
Other Auto. Protection ☐ (Describe) ..... - % Credit
GROSS BLDG. RATE _____ Less ____ % = _____ Less ____ % = _____ Less ____ % = FINAL BLDG. RATE .1108 NC

CONTENTS RATES (SECTION XII) JAN 03 1983 NT

+ 02 UMA

ITEM →			1200		1210		1220											
Ind. Code	Susc. Class	OCCUPANCY	Susc. Charge		Hazards Adj.		Conts. Adj. Factor		Adj. Conts. Charge		Gross Bldg. Rate		Gross Conts. Rate		Int. Prot. Factor		FINAL CONTS RATE
653	S2	APARTMENT	04	x	-	x	48	=	.019	+	.108	=	.127	x	-	=	.127
				x		x		=		+		=		x		=	
RATES BASED ON EXISTING				x		x		=		+		=		x		=	
FILE INFORMATION REPORT				x		x		=		+		=		x		=	
		DEC 10 ROYAL		x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	

APPENDIX E
ERIS Report

DATABASE REPORT

Project Property:	*1951, 1967 and 1983 Carling Ave Ottawa ON* *1951 Carling Ave* *Ottawa ON K2A 1C2*
Project No:	*295895*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*21071500227*
Requested by:	*Pinchin Ltd.*
Date Completed:	*July 20, 2021*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*1951, 1967 and 1983 Carling Ave Ottawa ON* *1951 Carling Ave Ottawa ON K2A 1C2*
Project No:	*295895*

Order Information:

Order No:	*21071500227*
Date Requested:	*July 15, 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	Boundary to 0.25km	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	4	4
CA	Certificates of Approval	Y	0	5	5
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	5	5
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	4	14	18
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	0	5	5
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	4	4

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
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	0	0
PINC	Pipeline Incidents	Y	0	3	3
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	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	8	8
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	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	46	46
	Total:		4	94	98

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		1983 Carling Ave Ottawa ON K2A1E9	WNW/0.0	0.00	28
2	EHS		1951 Carling Ave Ottawa ON K2A 1C2	ENE/0.0	0.00	28
2	EHS		1951 Carling Ave Ottawa ON K2A 1C2	ENE/0.0	0.00	28
3	EHS		1983 Carling Avenue Ottawa ON K2A 1E9	WSW/0.0	0.07	28

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
4	SPL	City of Ottawa	Carling Ave at Bromley Ottawa ON	SW/10.8	1.00	29
5	EHS		1995 Carling Avenue Ottawa ON K2A 1G3	WSW/20.2	0.00	29
5	EHS		1995 Carling Avenue Ottawa ON K2A 1G3	WSW/20.2	0.00	29
5	EHS		1995 Carling Avenue Ottawa ON K2A 1G3	WSW/20.2	0.00	29
5	EHS		1995 Carling Avenue Ottawa ON K2A 1G3	WSW/20.2	0.00	30
5	EHS		1995 Carling Avenue Ottawa ON K2A 1G3	WSW/20.2	0.00	30
6	EHS		1940 Carling Ottawa ON K2A 1E8	ESE/46.2	0.80	30
6	EHS		1940 Carling Ottawa ON K2A 1E8	ESE/46.2	0.80	30
6	EHS		1940 Carling Ottawa ON K2A 1E8	ESE/46.2	0.80	30
6	EHS		1940 Carling Ottawa ON K2A 1E8	ESE/46.2	0.80	31
6	EHS		1940 Carling Ottawa ON K2A 1E8	ESE/46.2	0.80	31
7	WWIS		ON	ESE/48.8	0.80	31

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1508000			
8	WWIS		ON ***Well ID:*** 1508390	E/49.7	0.00	34
9	WWIS		ON ***Well ID:*** 1508152	ESE/64.6	0.69	37
10	WWIS		ON ***Well ID:*** 1508461	S/70.4	1.00	39
11	GEN	HOMESTEAD LANDHOLDINGS	2001 CARLING AVE OTTAWA ON K2A 3W5	WSW/74.3	-0.08	41
11	EHS		2001 Carling Ave Ottawa ON K2A 3W5	WSW/74.3	-0.08	42
11	SPL		2001 Carling Ave. Westbound lane Ottawa ON	WSW/74.3	-0.08	42
11	GEN	Homestead Land Holdings Ltd.	2001 CARLING AVENUE OTTAWA ON K2A 3W5	WSW/74.3	-0.08	42
11	EHS		2001 Carling Ave Ottawa ON K2A3W5	WSW/74.3	-0.08	43
11	GEN	Homestead Land Holdings Ltd. Homestead Land Holdings Ltd.	2001 Carling Avenue OTTAWA ON K2A 3W5	WSW/74.3	-0.08	43
11	EHS		2001 Carling Ave Ottawa ON	WSW/74.3	-0.08	43
11	GEN	Homestead Land Holdings Ltd. Homestead Land Holdings Ltd.	2001 Carling Avenue OTTAWA ON K2A 3W5	WSW/74.3	-0.08	44
11	EHS		2001 Carling Ave Ottawa ON	WSW/74.3	-0.08	44
12	WWIS		ON	E/88.5	0.00	44

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1508151			
13	WWIS		ON **Well ID:** 1508143	ESE/93.3	1.00	47
14	WWIS		ON **Well ID:** 1508149	E/93.4	0.00	50
15	WWIS		ON **Well ID:** 1507985	SW/93.9	1.00	52
16	BORE		ON	ENE/94.3	-1.00	55
17	WWIS		ON **Well ID:** 1508463	SSE/99.6	1.00	56
18	CA	4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1G2	SW/108.0	1.00	59
18	CA	4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1G2	SW/108.0	1.00	59
18	CA	4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1G2	SW/108.0	1.00	59
18	ECA	4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1P4	SW/108.0	1.00	60
18	ECA	4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1P4	SW/108.0	1.00	60
18	ECA	4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1P4	SW/108.0	1.00	60
19	WWIS		ON **Well ID:** 1508135	SE/118.0	1.00	60
20	BORE		ON	S/123.9	2.03	63

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
21	WWIS		lot 28 con 2 ON **Well ID:** 1510604	S/124.0	2.03	64
22	WWIS		ON **Well ID:** 1508465	SSW/127.3	2.00	67
23	WWIS		ON **Well ID:** 1508132	ESE/133.9	1.00	70
24	WWIS		ON **Well ID:** 1507978	E/135.4	0.00	72
25	WWIS		ON **Well ID:** 1507979	ESE/136.7	1.00	75
26	WWIS		ON **Well ID:** 1508483	SSW/140.9	2.00	78
26	WWIS		ON **Well ID:** 1508482	SSW/140.9	2.00	80
27	WWIS		ON **Well ID:** 1508385	ESE/146.8	1.00	83
27	WWIS		ON **Well ID:** 1508389	ESE/146.8	1.00	85
28	CA	DRMG Development Ltd.	1908 Carling Ave Ottawa ON K2A 1E7	E/147.3	0.00	88
28	CA	DRMG Development Ltd.	1908 Carling Ave Ottawa ON K2A 1E7	E/147.3	0.00	88
28	ECA	DRMG Development Ltd.	1908 Carling Ave Ottawa ON K1V 2B2	E/147.3	0.00	88
28	ECA	DRMG Development Ltd.	1908 Carling Ave Ottawa ON K1V 2B2	E/147.3	0.00	89

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
29	WWIS		ON **Well ID:** 1508387	ESE/148.9	1.00	89
29	WWIS		ON **Well ID:** 1508392	ESE/148.9	1.00	91
30	BORE		ON	ENE/151.7	-1.00	94
31	WWIS		ON **Well ID:** 1508486	S/156.9	2.00	95
32	SPL	S. 21	1945 LAUDER STREET<UNOFFICIAL> Ottawa ON K2A 1B2	NNW/157.8	-1.67	98
33	WWIS		ON **Well ID:** 1508142	ESE/162.1	1.00	98
34	WWIS		lot 28 con 2 ON **Well ID:** 1510600	SE/165.4	1.00	101
35	WWIS		ON **Well ID:** 1508480	SSW/170.0	2.00	103
36	WWIS		ON **Well ID:** 1508130	ESE/174.2	1.00	106
37	WWIS		ON **Well ID:** 1507991	SW/191.0	1.00	109
38	WWIS		ON **Well ID:** 1508136	ESE/197.7	2.00	111
39	HINC		818 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9	E/197.8	0.00	114
40	WWIS		lot 28 con 2 ON	SSW/201.0	2.00	114

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1510599			
41	WWIS		ON ***Well ID:*** 1508791	E/203.4	0.00	117
41	WWIS		ON ***Well ID:*** 1508793	E/203.4	0.00	120
42	WWIS		ON ***Well ID:*** 1508460	SSE/205.0	2.00	122
43	WWIS		ON ***Well ID:*** 1508481	SSW/205.7	2.00	125
44	HINC		826 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9	E/206.6	0.00	128
45	WWIS		lot 28 con 2 ON ***Well ID:*** 1510602	E/207.7	0.00	128
46	WWIS		lot 28 con 2 ON ***Well ID:*** 1510601	SSE/209.0	2.00	131
47	WWIS		ON ***Well ID:*** 1508786	E/210.5	1.00	134
48	WWIS		ON ***Well ID:*** 1508462	SSE/211.2	2.00	137
49	GEN	SOMERSET TOWERS	2045 CARLING AVENUE OTTAWA ON K2A 1G5	WSW/219.2	0.00	140
50	HINC		830 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9	E/221.0	0.69	140
51	SPL	Enbridge Gas Distribution Inc.	1943 Wembley Ave. Ottawa ON K2A 1A8	NNW/223.4	-2.00	140
51	PINC		1943 Wembley Avenue, Ottawa ON	NNW/223.4	-2.00	141

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
52	SPL	ONTARIO HYDRO	851 KILLEEN ANE TRANSFORMER OTTAWA CITY ON K2A 2X8	ESE/224.6	1.00	141
52	SPL	Enbridge Energy Distribution Inc.	851 Killeen Ave. Ottawa ON	ESE/224.6	1.00	142
52	PINC	PIPELINE HIT 0.5"	851 KILLEEN AVE,,OTTAWA,ON,K2A 2X8, CA ON	ESE/224.6	1.00	142
53	WWIS		ON ***Well ID:*** 1508388	ESE/227.0	2.00	143
54	WWIS		ON ***Well ID:*** 1508776	E/228.7	0.69	145
54	WWIS		ON ***Well ID:*** 1508777	E/228.7	0.69	148
55	WWIS		ON ***Well ID:*** 1508857	SW/230.2	2.00	151
56	WWIS		ON ***Well ID:*** 1508788	E/230.7	0.00	153
57	WWIS		ON ***Well ID:*** 1508141	SE/231.8	2.00	156
58	WWIS		ON ***Well ID:*** 1508231	SW/232.8	1.00	158
59	WWIS		ON ***Well ID:*** 1508792	E/233.6	0.69	161
60	BORE		ON	SW/237.7	1.00	163
61	WWIS		ON	ESE/242.1	1.00	165

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1508384			
62	SPL	PETRO-CANADA	861 KILEEN AVENUE TANK TRUCK (CARGO) OTTAWA CITY ON	ESE/249.5	1.00	167
63	HINC		850 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9	E/249.6	1.00	168
64	PINC	PIPELINE HIT 1/2"	658 SHERBOURNE RD,,OTTAWA,ON, K2A 3H3,CA ON	NNW/249.6	-2.80	168
65	SPL	PRIVATE RESIDENCE	731 COURTNEY AVENUE FURNACE OIL TANK OTTAWA CITY ON	NW/249.9	-3.75	169

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 4 BORE site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	94.3	16
	ON	123.9	20
	ON	151.7	30
	ON	237.7	60

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 5 CA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1G2	108.0	18
4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1G2	108.0	18
4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1G2	108.0	18
DRMG Development Ltd.	1908 Carling Ave Ottawa ON K2A 1E7	147.3	28

Site	Address	Distance (m)	Map Key
DRMG Development Ltd.	1908 Carling Ave Ottawa ON K2A 1E7	147.3	28

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- May 31, 2021 has found that there are 5 ECA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1P4	108.0	18
4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1P4	108.0	18
4042841 Canada Inc.	2000 Carling Ave Ottawa ON K2A 1P4	108.0	18
DRMG Development Ltd.	1908 Carling Ave Ottawa ON K1V 2B2	147.3	28
DRMG Development Ltd.	1908 Carling Ave Ottawa ON K1V 2B2	147.3	28

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2021 has found that there are 18 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	1983 Carling Ave Ottawa ON K2A1E9	0.0	1
	1951 Carling Ave Ottawa ON K2A 1C2	0.0	2

Site	Address	Distance (m)	Map Key
	1951 Carling Ave Ottawa ON K2A 1C2	0.0	2
	1983 Carling Avenue Ottawa ON K2A 1E9	0.0	3
	1995 Carling Avenue Ottawa ON K2A 1G3	20.2	5
	1995 Carling Avenue Ottawa ON K2A 1G3	20.2	5
	1995 Carling Avenue Ottawa ON K2A 1G3	20.2	5
	1995 Carling Avenue Ottawa ON K2A 1G3	20.2	5
	1995 Carling Avenue Ottawa ON K2A 1G3	20.2	5
	1940 Carling Ottawa ON K2A 1E8	46.2	6
	1940 Carling Ottawa ON K2A 1E8	46.2	6
	1940 Carling Ottawa ON K2A 1E8	46.2	6
	1940 Carling Ottawa ON K2A 1E8	46.2	6

Site	Address	Distance (m)	Map Key
	1940 Carling Ottawa ON K2A 1E8	46.2	6
	2001 Carling Ave Ottawa ON K2A3W5	74.3	11
	2001 Carling Ave Ottawa ON	74.3	11
	2001 Carling Ave Ottawa ON	74.3	11
	2001 Carling Ave Ottawa ON K2A 3W5	74.3	11

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2021 has found that there are 5 GEN site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Homestead Land Holdings Ltd. Homestead Land Holdings Ltd.	2001 Carling Avenue OTTAWA ON K2A 3W5	74.3	11
Homestead Land Holdings Ltd.	2001 CARLING AVENUE OTTAWA ON K2A 3W5	74.3	11
HOMESTEAD LANDHOLDINGS	2001 CARLING AVE OTTAWA ON K2A 3W5	74.3	11
Homestead Land Holdings Ltd. Homestead Land Holdings Ltd.	2001 Carling Avenue OTTAWA ON K2A 3W5	74.3	11
SOMERSET TOWERS	2045 CARLING AVENUE OTTAWA ON K2A 1G5	219.2	49

Site	Address	Distance (m)	Map Key

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 4 HINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	818 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9	197.8	39
	826 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9	206.6	44
	830 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9	221.0	50
	850 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9	249.6	63

PINC - Pipeline Incidents

A search of the PINC database, dated Oct 31, 2020 has found that there are 3 PINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	1943 Wembley Avenue, Ottawa ON	223.4	51
PIPELINE HIT 0.5"	851 KILLEEN AVE,,OTTAWA,ON,K2A 2X8, CA ON	224.6	52
PIPELINE HIT 1/2"	658 SHERBOURNE RD,,OTTAWA,ON,K2A 3H3,CA ON	249.6	64

SPL - Ontario Spills

A search of the SPL database, dated 1988-Aug 2020 has found that there are 8 SPL site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
City of Ottawa	Carling Ave at Bromley Ottawa ON	10.8	4
	2001 Carling Ave. Westbound lane Ottawa ON	74.3	11
S. 21	1945 LAUDER STREET<UNOFFICIAL> Ottawa ON K2A 1B2	157.8	32
Enbridge Gas Distribution Inc.	1943 Wembley Ave. Ottawa ON K2A 1A8	223.4	51
ONTARIO HYDRO	851 KILLEEN ANE TRANSFORMER OTTAWA CITY ON K2A 2X8	224.6	52
Enbridge Energy Distribution Inc.	851 Killeen Ave. Ottawa ON	224.6	52
PETRO-CANADA	861 KILEEN AVENUE TANK TRUCK (CARGO) OTTAWA CITY ON	249.5	62
PRIVATE RESIDENCE	731 COURTNEY AVENUE FURNACE OIL TANK OTTAWA CITY ON	249.9	65

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2021 has found that there are 46 WWIS site(s) within approximately 0.25 kilometers of the project property.

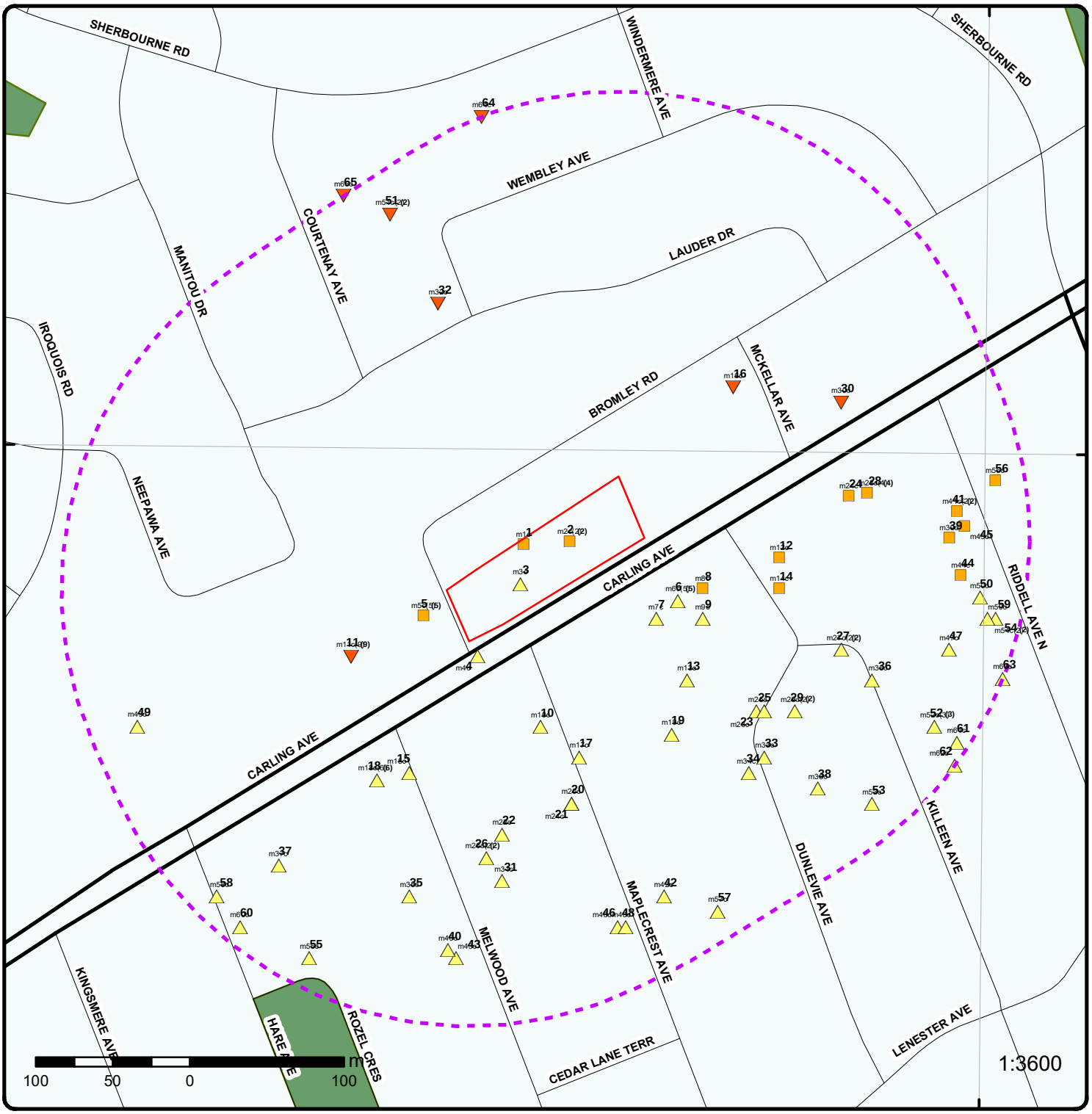
Site	Address	Distance (m)	Map Key
	ON	48.8	7

Site	Address	Distance (m)	Map Key
	Well ID: 1508000		
	ON	49.7	8
	Well ID: 1508390		
	ON	64.6	9
	Well ID: 1508152		
	ON	70.4	10
	Well ID: 1508461		
	ON	88.5	12
	Well ID: 1508151		
	ON	93.3	13
	Well ID: 1508143		
	ON	93.4	14
	Well ID: 1508149		
	ON	93.9	15
	Well ID: 1507985		
	ON	99.6	17
	Well ID: 1508463		
	ON	118.0	19
	Well ID: 1508135		
	lot 28 con 2 ON	124.0	21
	Well ID: 1510604		
	ON	127.3	22
	Well ID: 1508465		

Site	Address	Distance (m)	Map Key
	ON ***Well ID:*** 1508132	133.9	23
	ON ***Well ID:*** 1507978	135.4	24
	ON ***Well ID:*** 1507979	136.7	25
	ON ***Well ID:*** 1508483	140.9	26
	ON ***Well ID:*** 1508482	140.9	26
	ON ***Well ID:*** 1508385	146.8	27
	ON ***Well ID:*** 1508389	146.8	27
	ON ***Well ID:*** 1508387	148.9	29
	ON ***Well ID:*** 1508392	148.9	29
	ON ***Well ID:*** 1508486	156.9	31
	ON ***Well ID:*** 1508142	162.1	33
	lot 28 con 2 ON	165.4	34

Site	Address	Distance (m)	Map Key
	Well ID: 1510600		
	ON ***Well ID:*** 1508480	170.0	35
	ON ***Well ID:*** 1508130	174.2	36
	ON ***Well ID:*** 1507991	191.0	37
	ON ***Well ID:*** 1508136	197.7	38
	lot 28 con 2 ON ***Well ID:*** 1510599	201.0	40
	ON ***Well ID:*** 1508791	203.4	41
	ON ***Well ID:*** 1508793	203.4	41
	ON ***Well ID:*** 1508460	205.0	42
	ON ***Well ID:*** 1508481	205.7	43
	lot 28 con 2 ON ***Well ID:*** 1510602	207.7	45
	lot 28 con 2 ON ***Well ID:*** 1510601	209.0	46

Site	Address	Distance (m)	Map Key
	ON ***Well ID:*** 1508786	210.5	47
	ON ***Well ID:*** 1508462	211.2	48
	ON ***Well ID:*** 1508388	227.0	53
	ON ***Well ID:*** 1508776	228.7	54
	ON ***Well ID:*** 1508777	228.7	54
	ON ***Well ID:*** 1508857	230.2	55
	ON ***Well ID:*** 1508788	230.7	56
	ON ***Well ID:*** 1508141	231.8	57
	ON ***Well ID:*** 1508231	232.8	58
	ON ***Well ID:*** 1508792	233.6	59
	ON ***Well ID:*** 1508384	242.1	61



Map: 0.25 Kilometer Radius

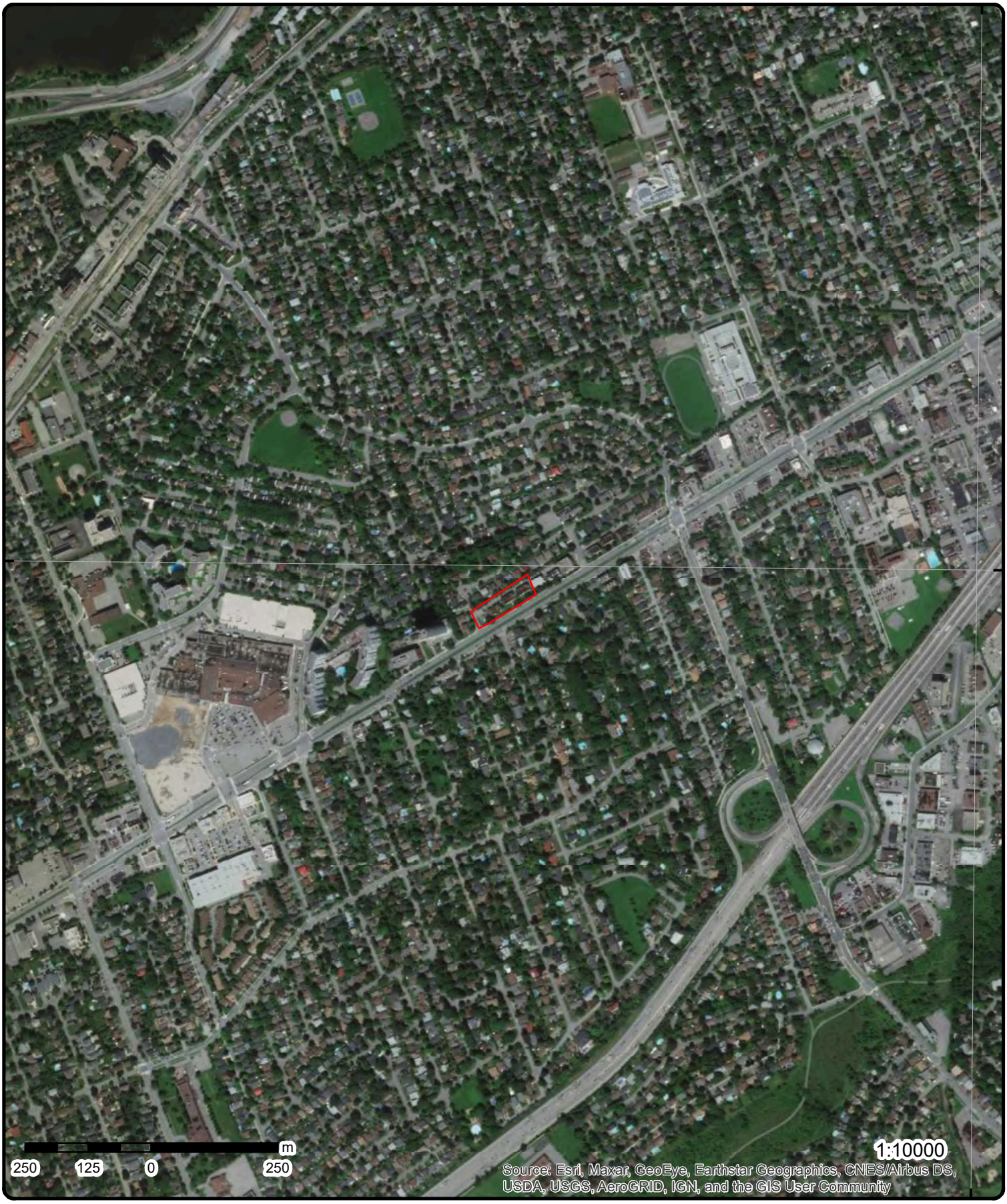
Order Number: 21071500227

Address: 1951 Carling Ave, Ottawa, ON

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

75°45'W

45°22'30"N



45°22'30"N

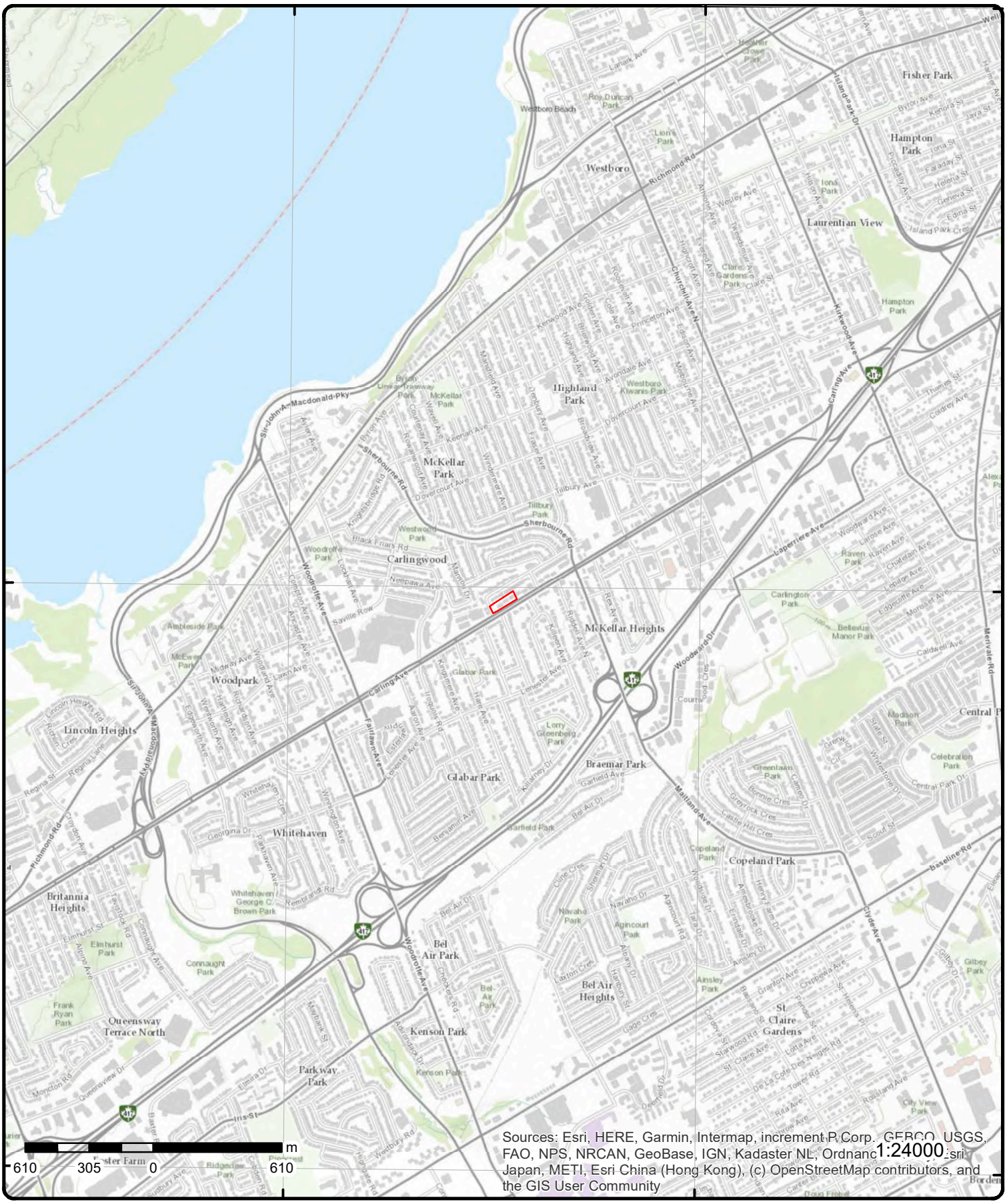
Aerial

Year: 2020

Order Number: 21071500227

Address: 1951 Carling Ave, Ottawa, ON

Source: ESRI World Imagery



Topographic Map

Address: 1951 Carling Ave, ON

Source: ESRI World Topographic Map

Order Number: 21071500227

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	WNW/0.0	79.9 / 0.00	1983 Carling Ave Ottawa ON K2A1E9	EHS

Order No:	20150210066	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	17-FEB-15	**Search Radius (km):**	.25
Date Received:	10-FEB-15	**X:**	-75.762134
Previous Site Name:		**Y:**	45.374448
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 2	ENE/0.0	79.9 / 0.00	1951 Carling Ave Ottawa ON K2A 1C2	EHS

Order No:	20310900245	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	12-NOV-20	**Search Radius (km):**	.25
Date Received:	09-NOV-20	**X:**	-75.7617546
Previous Site Name:		**Y:**	45.3744646
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	2 of 2	ENE/0.0	79.9 / 0.00	1951 Carling Ave Ottawa ON K2A 1C2	EHS

Order No:	20310900245	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	12-NOV-20	**Search Radius (km):**	.25
Date Received:	09-NOV-20	**X:**	-75.7617546
Previous Site Name:		**Y:**	45.3744646
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	WSW/0.0	79.9 / 0.07	1983 Carling Avenue Ottawa ON K2A 1E9	EHS

Order No:	20051117009	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	11/25/2005	**Search Radius (km):**	0.25
Date Received:	11/17/2005	**X:**	-75.761992
Previous Site Name:		**Y:**	45.374216
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 1	SW/10.8	80.9 / 1.00	City of Ottawa Carling Ave at Bromley Ottawa ON	SPL

Ref No:	0256-9HFSFM	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2014/03/22	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Collision/Accident	**Sector Type:**	Motor Vehicle
Incident Event:		**Agency Involved:**	
Contaminant Code:	15	**Nearest Watercourse:**	
Contaminant Name:	TRANSMISSION OIL	**Site Address:**	Carling Ave at Bromley
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:	Other Impact(s)	**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:	2014/03/22	**Site Map Datum:**	
Dt Document Closed:	2014/10/29	**SAC Action Class:**	Land Spills
Incident Reason:	Material Failure - Poor Design/Substandard Material	**Source Type:**	
Site Name:	Bus leaking transmision fluid. <UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	OC Transpo- transmission to roadway.		
Contaminant Qty:	1 L		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	1 of 5	WSW/20.2	79.9 / 0.00	1995 Carling Avenue Ottawa ON K2A 1G3	EHS

Order No:	20191210007	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	13-DEC-19	**Search Radius (km):**	.25
Date Received:	10-DEC-19	**X:**	-75.7629572
Previous Site Name:		**Y:**	45.3740246
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	2 of 5	WSW/20.2	79.9 / 0.00	1995 Carling Avenue Ottawa ON K2A 1G3	EHS

Order No:	20191210007	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	13-DEC-19	**Search Radius (km):**	.25
Date Received:	10-DEC-19	**X:**	-75.7629572
Previous Site Name:		**Y:**	45.3740246
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	3 of 5	WSW/20.2	79.9 / 0.00	1995 Carling Avenue Ottawa ON K2A 1G3	EHS

Order No:	20191210007	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON

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

Report Date:	13-DEC-19	**Search Radius (km):**	.25
Date Received:	10-DEC-19	**X:**	-75.7629572
Previous Site Name:		**Y:**	45.3740246
Lot/Building Size:			
Additional Info Ordered:			

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5 *4 of 5* *WSW/20.2* *79.9 / 0.00* ***1995 Carling Avenue***
Ottawa ON K2A 1G3 ***EHS***

Order No:	20191210007	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	13-DEC-19	**Search Radius (km):**	.25
Date Received:	10-DEC-19	**X:**	-75.7629572
Previous Site Name:		**Y:**	45.3740246
Lot/Building Size:			
Additional Info Ordered:			

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5 *5 of 5* *WSW/20.2* *79.9 / 0.00* ***1995 Carling Avenue***
Ottawa ON K2A 1G3 ***EHS***

Order No:	20191210007	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	13-DEC-19	**Search Radius (km):**	.25
Date Received:	10-DEC-19	**X:**	-75.7629572
Previous Site Name:		**Y:**	45.3740246
Lot/Building Size:			
Additional Info Ordered:			

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6 *1 of 5* *ESE/46.2* *80.7 / 0.80* ***1940 Carling***
Ottawa ON K2A 1E8 ***EHS***

Order No:	20200114246	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	17-JAN-20	**Search Radius (km):**	.25
Date Received:	14-JAN-20	**X:**	-75.7608527
Previous Site Name:		**Y:**	45.374123
Lot/Building Size:			
Additional Info Ordered:			

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6 *2 of 5* *ESE/46.2* *80.7 / 0.80* ***1940 Carling***
Ottawa ON K2A 1E8 ***EHS***

Order No:	20200114246	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	17-JAN-20	**Search Radius (km):**	.25
Date Received:	14-JAN-20	**X:**	-75.7608527
Previous Site Name:		**Y:**	45.374123
Lot/Building Size:			
Additional Info Ordered:			

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6 *3 of 5* *ESE/46.2* *80.7 / 0.80* ***1940 Carling***
Ottawa ON K2A 1E8 ***EHS***

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

Order No:	20200114246	**Nearest Intersection:**		
Status:	C	**Municipality:**		
Report Type:	Standard Report	**Client Prov/State:**	ON	
Report Date:	17-JAN-20	**Search Radius (km):**	.25	
Date Received:	14-JAN-20	**X:**	-75.7608527	
Previous Site Name:		**Y:**	45.374123	
Lot/Building Size:				
Additional Info Ordered:				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	4 of 5	ESE/46.2	80.7 / 0.80	1940 Carling Ottawa ON K2A 1E8	EHS

Order No:	20200114246	**Nearest Intersection:**		
Status:	C	**Municipality:**		
Report Type:	Standard Report	**Client Prov/State:**	ON	
Report Date:	17-JAN-20	**Search Radius (km):**	.25	
Date Received:	14-JAN-20	**X:**	-75.7608527	
Previous Site Name:		**Y:**	45.374123	
Lot/Building Size:				
Additional Info Ordered:				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	5 of 5	ESE/46.2	80.7 / 0.80	1940 Carling Ottawa ON K2A 1E8	EHS

Order No:	20200114246	**Nearest Intersection:**		
Status:	C	**Municipality:**		
Report Type:	Standard Report	**Client Prov/State:**	ON	
Report Date:	17-JAN-20	**Search Radius (km):**	.25	
Date Received:	14-JAN-20	**X:**	-75.7608527	
Previous Site Name:		**Y:**	45.374123	
Lot/Building Size:				
Additional Info Ordered:				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	1 of 1	ESE/48.8	80.7 / 0.80	ON	WWIS

Well ID:	1508000	**Data Entry Status:**		
Construction Date:		**Data Src:**	1	
Primary Water Use:	Domestic	**Date Received:**	10/6/1955	
Sec. Water Use:	0	**Selected Flag:**	True	
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\1508000.pdf

Additional Detail(s) (Map)

Well Completed Date:	1955/10/01
Year Completed:	1955
Depth (m):	30.48
Latitude:	45.3740171899199
Longitude:	-75.7610303634031
Path:	150\1508000.pdf

Bore Hole Information

Bore Hole ID:	10030035	***Elevation:***	81.696113
DP2BR:	8.00	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440410.70
Code OB Desc:	Bedrock	***North83:***	5024782.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	01-Oct-1955 00:00:00	***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:	931008572
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8.0
Formation End Depth:	100.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008571
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID: 961508000
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10578605
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930052726
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

Construction Record - Casing

Casing ID: 930052727
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 100
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508000
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 16.0
Recommended Pump Depth:
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933462322
Layer: 1
Kind Code: 1
Kind: FRESH

Water Found Depth: 60.0
Water Found Depth UOM: ft

Water Details

Water ID: 933462323
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 100.0
Water Found Depth UOM: ft

---

8 | ***1 of 1*** | ***E/49.7*** | ***79.9 / 0.00*** | ***ON*** | ***WWIS***

Well ID:	1508390	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	9/1/1954
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3701
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\1508390.pdf

Additional Detail(s) (Map)

Well Completed Date: 1954/06/21
Year Completed: 1954
Depth (m): 42.672
Latitude: 45.3741997527659
Longitude: -75.7606496729207
Path: 150\1508390.pdf

Bore Hole Information

Bore Hole ID:	10030424	**Elevation:**	81.266136
DP2BR:	6.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440440.70
Code OB Desc:	Bedrock	**North83:**	5024802.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	21-Jun-1954 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			

Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931009558
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	6.0
Formation End Depth:	140.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009557
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	6.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508390
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10578994
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053497
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	140
Casing Diameter:	5
Casing Diameter UOM:	inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053496
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 18
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508390
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 22.0
Recommended Pump Depth:
Pumping Rate: 6.0
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: 933462876
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 140.0
Water Found Depth UOM: ft

Water Details

Water ID: 933462875
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 125.0
Water Found Depth UOM: ft

Water Details

Water ID: 933462874
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 90.0
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	1 of 1	ESE/64.6	80.6 / 0.69	ON	WWIS

Well ID:	1508152	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/10/1954
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4825
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\1508152.pdf

Additional Detail(s) (Map)

Well Completed Date:	1954/10/17
Year Completed:	1954
Depth (m):	53.34
Latitude:	45.3740197419577
Longitude:	-75.7606472595991
Path:	150\1508152.pdf

Bore Hole Information

Bore Hole ID:	10030187	**Elevation:**	81.657981
DP2BR:	140.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440440.70
Code OB Desc:	Bedrock	**North83:**	5024782.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	17-Oct-1954 00:00:00	**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:	931008931
Layer:	1
Color:	
General Color:	
Mat1:	24
Most Common Material:	PREV. DRILLED
Mat2:	

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 140.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008932
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 140.0
Formation End Depth: 175.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508152
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10578757
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053034
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 140
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053035
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 175
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991508152
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	55.0
Recommended Pump Depth:	
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933462547
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	160.0
Water Found Depth UOM:	ft

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10 ***1 of 1*** ***S/70.4*** ***80.9 / 1.00*** ***ON*** ***WWIS***

Well ID:	1508461	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/15/1951
Sec. Water Use:	0	***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	5448
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
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\1508461.pdf

Additional Detail(s) (Map)

Well Completed Date:	1950/12/11
Year Completed:	1950
Depth (m):	31.6992
Latitude:	45.3733807665251
Longitude:	-75.7619796613568

Path: 150\1508461.pdf

Bore Hole Information

Bore Hole ID:	10030495	**Elevation:**	82.893241
DP2BR:	3.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440335.70
Code OB Desc:	Bedrock	**North83:**	5024712.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	11-Dec-1950 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931009727
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	3.0
Formation End Depth:	104.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009726
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	3.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508461
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID: 10579065
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053634
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 9
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053635
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 104
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508461
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 33.0
Recommended Pump Depth:
Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933462972
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 104.0
Water Found Depth UOM: ft

11	*1 of 9*	*WSW/74.3*	*79.8 / -0.08*	***HOMESTEAD LANDHOLDINGS*** ***2001 CARLING AVE***	***GEN***

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				OTTAWA ON K2A 3W5	

Generator No: ON7030619
Status:
Approval Years: 03,04
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

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11 | **2 of 9** | **WSW/74.3** | **79.8 / -0.08** | **2001 Carling Ave**
Ottawa ON K2A 3W5 | **EHS**

Order No: 20121030016
Status: C
Report Type: Custom Report
Report Date: 05-NOV-12
Date Received: 30-OCT-12
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.763552
Y: 45.373736

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11 | **3 of 9** | **WSW/74.3** | **79.8 / -0.08** | **2001 Carling Ave. Westbound lane**
Ottawa ON | **SPL**

Ref No: 4371-A83RN4
Site No: NA
Incident Dt: 2016/03/15
Year:
Incident Cause:
Incident Event: Collision/Accident
Contaminant Code: 27
Contaminant Name: COOLANT N.O.S.
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env: Surface Water
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 2016/03/15
Dt Document Closed:
Incident Reason: Equipment Failure
Site Name: OC Transpo Accident<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: OC Transpo - 5-10L of coolant to storm sewer
Contaminant Qty: 10 L

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Unknown / N/A
Agency Involved:
Nearest Watercourse:
Site Address: 2001 Carling Ave. Westbound lane
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Watercourse Spills
Source Type:

---

11 | **4 of 9** | **WSW/74.3** | **79.8 / -0.08** | **Homestead Land Holdings Ltd.**
2001 CARLING AVENUE
OTTAWA ON K2A 3W5 | **GEN**

Generator No: ON2995038
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 531310

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

SIC Description: REAL ESTATE PROPERTY MANAGERS

Detail(s)

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

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

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

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

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11 | ***5 of 9*** | ***WSW/74.3*** | ***79.8 / -0.08*** | ***2001 Carling Ave Ottawa ON K2A3W5*** | ***EHS***

Order No: 20180102009
Status: C
Report Type: Standard Report
Report Date: 05-JAN-18
Date Received: 02-JAN-18
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.763601
Y: 45.373746

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11 | ***6 of 9*** | ***WSW/74.3*** | ***79.8 / -0.08*** | ***Homestead Land Holdings Ltd. Homestead Land Holdings Ltd. 2001 Carling Avenue OTTAWA ON K2A 3W5*** | ***GEN***

Generator No: ON6352626
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: 312 P
Waste Class Desc: Pathological wastes

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11 | ***7 of 9*** | ***WSW/74.3*** | ***79.8 / -0.08*** | ***2001 Carling Ave Ottawa ON*** | ***EHS***

Order No: 20293000159
Status: C
Report Type: Standard Report
Report Date: 05-OCT-20
Date Received: 30-SEP-20
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Aerial Photos

Nearest Intersection:
Municipality:
Client Prov/State: NY
Search Radius (km): .25
X: -75.763556
Y: 45.373778

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	8 of 9	WSW/74.3	79.8 / -0.08	Homestead Land Holdings Ltd. Homestead Land Holdings Ltd. 2001 Carling Avenue OTTAWA ON K2A 3W5	GEN

Generator No:	ON6352626	**PO Box No:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Apr 2021	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	312 P
Waste Class Desc:	Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	9 of 9	WSW/74.3	79.8 / -0.08	2001 Carling Ave Ottawa ON	EHS

Order No:	20293000159	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	NY
Report Date:	05-OCT-20	**Search Radius (km):**	.25
Date Received:	30-SEP-20	**X:**	-75.763556
Previous Site Name:		**Y:**	45.373778
Lot/Building Size:			
Additional Info Ordered:	Aerial Photos		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	1 of 1	E/88.5	79.9 / 0.00	ON	WWIS

Well ID:	1508151	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/10/1954
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4825
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\1508151.pdf

Additional Detail(s) (Map)

Well Completed Date:	1954/08/02
Year Completed:	1954
Depth (m):	48.1584
Latitude:	45.3743840141625

Longitude: -75.7600135757603
Path: 150\1508151.pdf

Bore Hole Information

Bore Hole ID:	10030186	***Elevation:***	80.861633
DP2BR:	8.00	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440490.70
Code OB Desc:	Bedrock	***North83:***	5024822.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	02-Aug-1954 00:00:00	***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: 931008930
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 8.0
Formation End Depth: 158.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008929
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508151
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID:	10578756
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053032
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053033
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	158
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508151
Pump Set At:	
Static Level:	25.0
Final Level After Pumping:	45.0
Recommended Pump Depth:	
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933462545
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933462546
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	140.0
Water Found Depth UOM:	ft

13 **1 of 1** **ESE/93.3** **80.9 / 1.00** **ON** **WWIS**

Well ID:	1508143	**Data Entry Status:**	
Construction Date:		**Data Src:**	8
Primary Water Use:	Domestic	**Date Received:**	9/7/1954
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3725
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
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\1508143.pdf

Additional Detail(s) (Map)

Well Completed Date:	1953/08/08
Year Completed:	1953
Depth (m):	33.528
Latitude:	45.3736588697979
Longitude:	-75.7607701334879
Path:	150\1508143.pdf

Bore Hole Information

Bore Hole ID:	10030178	**Elevation:**	81.944000
DP2BR:	12.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	h	**East83:**	440430.70
Code OB Desc:	Mixed in a Layer	**North83:**	5024742.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	08-Aug-1953 00:00:00	**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:	931008911
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	02
Mat2 Desc:	TOPSOIL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	5.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008913
Layer:	3
Color:	2
General Color:	GREY
Mat1:	13
Most Common Material:	BOULDERS
Mat2:	15
Mat2 Desc:	LIMESTONE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	110.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008912
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	5.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508143
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10578748
Casing No:	1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930053016
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

Construction Record - Casing

Casing ID:	930053017
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	110
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508143
Pump Set At:	
Static Level:	18.0
Final Level After Pumping:	20.0
Recommended Pump Depth:	
Pumping Rate:	150.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933462535
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	75.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933462537
Layer:	3
Kind Code:	1
Kind:	FRESH
Water Found Depth:	109.0

Water Found Depth UOM: ft

Water Details

Water ID: 933462536
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 95.0
Water Found Depth UOM: ft

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14 | ***1 of 1*** | ***E/93.4*** | ***79.9 / 0.00*** | ***ON*** | ***WWIS***

Well ID: 1508149
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 8
Date Received: 9/7/1954
Selected Flag: True
Abandonment Rec:
Contractor: 3725
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508149.pdf

Additional Detail(s) (Map)

Well Completed Date: 1953/12/31
Year Completed: 1953
Depth (m): 45.72
Latitude: 45.3742040033335
Longitude: -75.7600111644413
Path: 150\1508149.pdf

Bore Hole Information

Bore Hole ID: 10030184
DP2BR: 8.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 31-Dec-1953 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:

Elevation: 81.051177
Elevrc:
Zone: 18
East83: 440490.70
North83: 5024802.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931008925
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008926
Layer:	2
Color:	1
General Color:	WHITE
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8.0
Formation End Depth:	150.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508149
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10578754
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053029
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	150
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053028
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:	991508149
Pump Set At:	
Static Level:	30.0
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	1.0
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:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933462543
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	150.0
Water Found Depth UOM:	ft

15 ***1 of 1*** ***SW/93.9*** ***80.9 / 1.00*** ***ON*** ***WWIS***

Well ID:	1507985	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/13/1952
Sec. Water Use:	0	***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
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\1507985.pdf

Additional Detail(s) (Map)

Well Completed Date: 1951/08/14
Year Completed: 1951
Depth (m): 36.576
Latitude: 45.3731035037293
Longitude: -75.7630614780781
Path: 150\1507985.pdf

Bore Hole Information

Bore Hole ID:	10030020	***Elevation:***	83.201858
DP2BR:	7.00	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440250.70
Code OB Desc:	Bedrock	***North83:***	5024682.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	14-Aug-1951 00:00:00	***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: 931008534
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 3.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008535
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:

Formation Top Depth:	3.0
Formation End Depth:	7.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008536
Layer:	3
Color:	1
General Color:	WHITE
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	7.0
Formation End Depth:	120.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961507985
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10578590
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930052696
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930052697
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	120
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991507985
Pump Set At:	
Static Level:	35.0
Final Level After Pumping:	45.0
Recommended Pump Depth:	
Pumping Rate:	
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:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933462303
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	100.0
Water Found Depth UOM:	ft

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16 ***1 of 1*** ***ENE/94.3*** ***78.9 / -1.00*** ***ON*** ***BORE***

Borehole ID:	612787	**Inclin FLG:**	No
OGF ID:	215514093	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:		**Municipality:**	
Static Water Level:	0.3	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.375373
Total Depth m:	-999	**Longitude DD:**	-75.76041
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	440461
Drill Method:		**Northing:**	5024932
Orig Ground Elev m:	75.1	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	77.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218392496	**Mat Consistency:**	Firm
Top Depth:	6.4	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK. WATER STABLE AT 245.5 FEET.BROWN. 0006600195 SAND. FIRM. BOULDERS. SILT. B **Note:		

Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	218392495	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	6.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**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:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 052950 NTS_Sheet: 31G05F		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

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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17 | ***1 of 1*** | ***SSE/99.6*** | ***80.9 / 1.00*** | ***ON*** | ***WWIS***

Well ID:	1508463	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	6/10/1954
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4216
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
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\1508463.pdf

Additional Detail(s) (Map)

Well Completed Date: 1954/05/01

Year Completed:	1954
Depth (m):	31.0896
Latitude:	45.3732028851508
Longitude:	-75.7616579953822
Path:	150\1508463.pdf

Bore Hole Information

Bore Hole ID:	10030497	**Elevation:**	82.617988
DP2BR:	10.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440360.70
Code OB Desc:	Bedrock	**North83:**	5024692.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	01-May-1954 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931009731
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	102.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009730
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508463

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

Pipe Information

Pipe ID: 10579067
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053639
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 102
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053638
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 14
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508463
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 16.0
Recommended Pump Depth:
Pumping Rate: 6.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 20
Flowing: No

Water Details

Water ID: 933462975
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 102.0
Water Found Depth UOM: ft

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

Water Details

Water ID:	933462974
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60.0
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
18	1 of 6	SW/108.0	80.9 / 1.00	4042841 Canada Inc. 2000 Carling Ave Ottawa ON K2A 1G2	CA

Certificate #:	3252-7JUJB4
Application Year:	2008
Issue Date:	9/26/2008
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:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
18	2 of 6	SW/108.0	80.9 / 1.00	4042841 Canada Inc. 2000 Carling Ave Ottawa ON K2A 1G2	CA

Certificate #:	3696-7SLNAB
Application Year:	2009
Issue Date:	6/9/2009
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:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
18	3 of 6	SW/108.0	80.9 / 1.00	4042841 Canada Inc. 2000 Carling Ave Ottawa ON K2A 1G2	CA

Certificate #:	4683-7T3KKA
Application Year:	2009
Issue Date:	6/17/2009
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	

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

Contaminants:
Emission Control:

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18 **4 of 6** **SW/108.0** **80.9 / 1.00** **4042841 Canada Inc.**
2000 Carling Ave
Ottawa ON K2A 1P4 **ECA**

Approval No:	3252-7JUJB4	**MOE District:**	Ottawa
Approval Date:	2008-09-26	**City:**	
Status:	Approved	**Longitude:**	-75.76338
Record Type:	ECA	**Latitude:**	45.373062
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: 4042841 Canada Inc.
Address: 2000 Carling Ave
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7247-7JMHA5-14.pdf

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18 **5 of 6** **SW/108.0** **80.9 / 1.00** **4042841 Canada Inc.**
2000 Carling Ave
Ottawa ON K2A 1P4 **ECA**

Approval No:	3696-7SLNAB	**MOE District:**	Ottawa
Approval Date:	2009-06-09	**City:**	
Status:	Approved	**Longitude:**	-75.76338
Record Type:	ECA	**Latitude:**	45.373062
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: 4042841 Canada Inc.
Address: 2000 Carling Ave
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1461-7SDR8A-14.pdf

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18 **6 of 6** **SW/108.0** **80.9 / 1.00** **4042841 Canada Inc.**
2000 Carling Ave
Ottawa ON K2A 1P4 **ECA**

Approval No:	4683-7T3KKA	**MOE District:**	Ottawa
Approval Date:	2009-06-17	**City:**	
Status:	Approved	**Longitude:**	-75.76338
Record Type:	ECA	**Latitude:**	45.373062
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: 4042841 Canada Inc.
Address: 2000 Carling Ave
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4513-7T2NJD-14.pdf

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19 **1 of 1** **SE/118.0** **80.9 / 1.00** **ON** **WWIS**

Well ID:	1508135	**Data Entry Status:**	
Construction Date:		**Data Src:**	1

Primary Water Use:	Domestic	**Date Received:**	4/3/1952
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3725
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
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\1508135.pdf

Additional Detail(s) (Map)

Well Completed Date:	1952/02/27
Year Completed:	1952
Depth (m):	32.9184
Latitude:	45.3733430001992
Longitude:	-75.76089360935
Path:	150\1508135.pdf

Bore Hole Information

Bore Hole ID:	10030170	**Elevation:**	82.194831
DP2BR:	12.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440420.70
Code OB Desc:	Bedrock	**North83:**	5024707.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	27-Feb-1952 00:00:00	**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:	931008895
Layer:	3
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	108.0

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008894
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 6.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008893
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 6.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508135
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10578740
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053000
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 108
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID:	930052999
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508135
Pump Set At:	
Static Level:	13.0
Final Level After Pumping:	17.0
Recommended Pump Depth:	
Pumping Rate:	4.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933462525
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50.0
Water Found Depth UOM:	ft

---

20 ***1 of 1*** ***S/123.9*** ***81.9 / 2.03*** ***ON*** ***BORE***

Borehole ID:	612764	***Inclin FLG:***	No
OGF ID:	215514070	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	FEB-1949	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.372934
Total Depth m:	27.4	***Longitude DD:***	-75.761718
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	440356
Drill Method:		***Northing:***	5024662
Orig Ground Elev m:	80.8	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	82.5		
Concession:			
Location D:			

Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID: 218392399
Top Depth: 1.5
Bottom Depth: 3
Material Color:
Material 1: Gravel
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: GRAVEL.

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

Geology Stratum ID: 218392398
Top Depth: 0
Bottom Depth: 1.5
Material Color:
Material 1: Clay
Material 2:
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:

Geology Stratum ID: 218392400
Top Depth: 3
Bottom Depth: 27.4
Material Color: Brown
Material 1: Limestone
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: LIMESTONE. WHITE. 00080BOULDERS. SAND. BEDROCK. GREY. F,FISSURED. CLAY. BROWN,GREY,ST
**Note: Many records provided by the department have a truncated [Stratum Description] field.

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: 05272 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

21	*1 of 1*	*S/124.0*	*81.9 / 2.03*	*lot 28 con 2 ON*	*WWIS*

Well ID:	1510604	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/8/1951
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3725
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY (NEPEAN)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	028
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	OF
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/151\1510604.pdf

Additional Detail(s) (Map)

Well Completed Date:	1949/02/15
Year Completed:	1949
Depth (m):	27.432
Latitude:	45.3729324431467
Longitude:	-75.7617182201355
Path:	151\1510604.pdf

Bore Hole Information

Bore Hole ID:	10032630	**Elevation:**	82.488311
DP2BR:	10.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440355.70
Code OB Desc:	Bedrock	**North83:**	5024662.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	15-Feb-1949 00:00:00	**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:	931015348
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	

Formation Top Depth:	5.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015347
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	5.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015349
Layer:	3
Color:	1
General Color:	WHITE
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	90.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961510604
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10581200
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930057837
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	90
Casing Diameter:	5

Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930057836
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 14
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991510604
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 15.0
Recommended Pump Depth:
Pumping Rate:
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:
Pumping Duration MIN:
Flowing: No

Water Details

Water ID: 933465630
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 80.0
Water Found Depth UOM: ft

---

22 | ***1 of 1*** | ***SSW/127.3*** | ***81.9 / 2.00*** | ***ON*** | ***WWIS***

Well ID: 1508465
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:

Data Entry Status:
Data Src: 1
Date Received: 2/3/1956
Selected Flag: True
Abandonment Rec:
Contractor: 4216
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
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\1508465.pdf

Additional Detail(s) (Map)

Well Completed Date: 1955/12/03
Year Completed: 1955
Depth (m): 38.4048
Latitude: 45.3727485985116
Longitude: -75.7622904462402
Path: 150\1508465.pdf

Bore Hole Information

Bore Hole ID: 10030499 ***Elevation:*** 82.508323
DP2BR: 18.00 ***Elevrc:***
Spatial Status: ***Zone:*** 18
Code OB: r ***East83:*** 440310.70
Code OB Desc: Bedrock ***North83:*** 5024642.00
Open Hole: ***Org CS:***
Cluster Kind: ***UTMRC:*** 5
Date Completed: 03-Dec-1955 00:00:00 ***UTMRC Desc:*** margin of error : 100 m - 300 m
Remarks: ***Location Method:*** p5
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931009734
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 18.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009735
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:

Mat3:
Mat3 Desc:
Formation Top Depth: 18.0
Formation End Depth: 126.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508465
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579069
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053642
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 18
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053643
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 126
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508465
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 15.0
Recommended Pump Depth:
Pumping Rate: 6.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30

Flowing: No

Water Details

Water ID: 933462977
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 45.0
Water Found Depth UOM: ft

---

23 ***1 of 1*** ***ESE/133.9*** ***80.9 / 1.00*** ***ON*** ***WWIS***

Well ID: 1508132
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 4/3/1952
Selected Flag: True
Abandonment Rec:
Contractor: 5448
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508132.pdf

Additional Detail(s) (Map)

Well Completed Date: 1952/01/11
Year Completed: 1952
Depth (m): 27.432
Latitude: 45.3734826851959
Longitude: -75.7601930695214
Path: 150\1508132.pdf

Bore Hole Information

Bore Hole ID: 10030167
DP2BR: 5.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 11-Jan-1952 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:

Elevation: 80.994438
Elevrc:
Zone: 18
East83: 440475.70
North83: 5024722.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931008886
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 90.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008885
Layer: 1
Color:
General Color:
Mat1: 25
Most Common Material: OVERBURDEN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508132
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10578737
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930052994
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 90
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID:	930052993
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508132
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	20.0
Recommended Pump Depth:	
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933462522
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90.0
Water Found Depth UOM:	ft

---

24 ***1 of 1*** ***E/135.4*** ***79.9 / 0.00*** ***ON*** ***WWIS***

Well ID:	1507978	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/22/1951
Sec. Water Use:	0	***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4832
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\1507978.pdf

Additional Detail(s) (Map)

Well Completed Date: 1951/05/21
Year Completed: 1951
Depth (m): 40.2336
Latitude: 45.374747858334
Longitude: -75.7594437352451
Path: 150\1507978.pdf

Bore Hole Information

Bore Hole ID:	10030013	***Elevation:***	79.483169
DP2BR:	8.00	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440535.70
Code OB Desc:	Bedrock	***North83:***	5024862.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	21-May-1951 00:00:00	***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: 931008519
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 8.0
Formation End Depth: 132.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008517
Layer: 1
Color:
General Color:
Mat1: 25
Most Common Material: OVERBURDEN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008518
Layer: 2
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961507978
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10578583
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930052682
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 23
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930052683
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 132
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991507978
Pump Set At:
Static Level: 23.0
Final Level After Pumping: 44.0
Recommended Pump Depth:
Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 10
Flowing: No

Water Details

Water ID: 933462295
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 108.0
Water Found Depth UOM: ft

Water Details

Water ID: 933462296
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 126.0
Water Found Depth UOM: ft

Water Details

Water ID: 933462294
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 74.0
Water Found Depth UOM: ft

---

25 ***1 of 1*** ***ESE/136.7*** ***80.9 / 1.00*** ***ON*** ***WWIS***

Well ID: 1507979
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:

Data Entry Status:
Data Src: 1
Date Received: 10/15/1951
Selected Flag: True
Abandonment Rec:
Contractor: 5448
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:

Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1507979.pdf

Additional Detail(s) (Map)

Well Completed Date: 1951/05/25
Year Completed: 1951
Depth (m): 24.0792
Latitude: 45.3734831101529
Longitude: -75.76012921948
Path: 150\1507979.pdf

Bore Hole Information

Bore Hole ID: 10030014
DP2BR: 4.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 25-May-1951 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 80.866745
Elevrc:
Zone: 18
East83: 440480.70
North83: 5024722.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931008520
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008521
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 4.0
Formation End Depth: 79.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961507979
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10578584
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930052684
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 11
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930052685
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 79
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991507979
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 15.0
Recommended Pump Depth:
Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1

Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933462297
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	79.0
Water Found Depth UOM:	ft

26 ***1 of 2*** ***SSW/140.9*** ***81.9 / 2.00*** ***ON*** ***WWIS***

Well ID:	1508483	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	2/21/1951
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3725
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
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\1508483.pdf

Additional Detail(s) (Map)

Well Completed Date:	1951/01/29
Year Completed:	1951
Depth (m):	19.812
Latitude:	45.3726127380718
Longitude:	-75.762416330495
Path:	150\1508483.pdf

Bore Hole Information

Bore Hole ID:	10030517	**Elevation:**	82.326995
DP2BR:	7.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440300.70
Code OB Desc:	Bedrock	**North83:**	5024627.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	29-Jan-1951 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931009785
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	7.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009786
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	7.0
Formation End Depth:	65.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508483
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10579087
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053678
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:	930053677
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	12
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508483
Pump Set At:	
Static Level:	11.0
Final Level After Pumping:	12.0
Recommended Pump Depth:	
Pumping Rate:	6.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	20
Flowing:	No

Water Details

Water ID:	933463002
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	20.0
Water Found Depth UOM:	ft

26 ***2 of 2*** ***SSW/140.9*** ***81.9 / 2.00*** ***ON*** ***WWIS***

Well ID:	1508482	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	2/21/1951
Sec. Water Use:	0	***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
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:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508482.pdf

Additional Detail(s) (Map)

Well Completed Date: 1951/01/25
Year Completed: 1951
Depth (m): 19.5072
Latitude: 45.3726127380718
Longitude: -75.762416330495
Path: 150\1508482.pdf

Bore Hole Information

Bore Hole ID: 10030516
DP2BR: 6.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 25-Jan-1951 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 82.326995
Elevrc:
Zone: 18
East83: 440300.70
North83: 5024627.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931009783
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 6.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009784
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:

Mat3:
Mat3 Desc:
Formation Top Depth: 6.0
Formation End Depth: 64.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508482
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579086
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053676
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 64
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053675
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 13
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508482
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 8.0
Recommended Pump Depth:
Pumping Rate: 8.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 20

Flowing: No

Water Details

Water ID: 933463001
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 15.0
Water Found Depth UOM: ft

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27 ***1 of 2*** ***ESE/146.8*** ***80.9 / 1.00*** ***ON*** ***WWIS***

Well ID: 1508385
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 7/28/1952
Selected Flag: True
Abandonment Rec:
Contractor: 3725
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508385.pdf

Additional Detail(s) (Map)

Well Completed Date: 1952/06/24
Year Completed: 1952
Depth (m): 49.0728
Latitude: 45.3738473795001
Longitude: -75.7594955382261
Path: 150\1508385.pdf

Bore Hole Information

Bore Hole ID: 10030419
DP2BR: 12.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 24-Jun-1952 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:

Elevation: 80.739768
Elevrc:
Zone: 18
East83: 440530.70
North83: 5024762.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931009546
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009547
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	161.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508385
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10578989
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053486
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	161
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053485
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	21
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508385
Pump Set At:	
Static Level:	12.0
Final Level After Pumping:	18.0
Recommended Pump Depth:	
Pumping Rate:	1.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933462867
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	54.0
Water Found Depth UOM:	ft

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27 ***2 of 2*** ***ESE/146.8*** ***80.9 / 1.00*** ***ON*** ***WWIS***

Well ID:	1508389	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/1/1954
Sec. Water Use:	0	***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3701
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\1508389.pdf

Additional Detail(s) (Map)

Well Completed Date: 1954/06/02
Year Completed: 1954
Depth (m): 41.7576
Latitude: 45.3738473795001
Longitude: -75.7594955382261
Path: 150\1508389.pdf

Bore Hole Information

Bore Hole ID:	10030423	***Elevation:***	80.739768
DP2BR:	6.00	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440530.70
Code OB Desc:	Bedrock	***North83:***	5024762.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	02-Jun-1954 00:00:00	***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: 931009555
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 6.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009556
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:

Formation Top Depth: 6.0
Formation End Depth: 137.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508389
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10578993
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053494
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053495
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 137
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508389
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 25.0
Recommended Pump Depth:
Pumping Rate: 6.0
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

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

Water Details

Water ID:	933462873
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	137.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933462872
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90.0
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
28	*1 of 4*	*E/147.3*	*79.9 / 0.00*	***DRMG Development Ltd.*** ***1908 Carling Ave*** ***Ottawa ON K2A 1E7***	*CA*

Certificate #:	8066-8EQT4V
Application Year:	2011
Issue Date:	3/14/2011
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:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
28	*2 of 4*	*E/147.3*	*79.9 / 0.00*	***DRMG Development Ltd.*** ***1908 Carling Ave*** ***Ottawa ON K2A 1E7***	*CA*

Certificate #:	8914-8FTHVY
Application Year:	2011
Issue Date:	5/4/2011
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:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
28	*3 of 4*	*E/147.3*	*79.9 / 0.00*	***DRMG Development Ltd.*** ***1908 Carling Ave*** ***Ottawa ON K1V 2B2***	*ECA*

Approval No:	8914-8FTHVY	***MOE District:***	Ottawa
Approval Date:	2011-05-04	***City:***	

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

Status:	Approved	**Longitude:**	-75.759285
Record Type:	ECA	**Latitude:**	45.374744
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	DRMG Development Ltd.		
Address:	1908 Carling Ave		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5910-8DRL93-14.pdf		

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28 | ***4 of 4*** | ***E/147.3*** | ***79.9 / 0.00*** | ***DRMG Development Ltd.***
1908 Carling Ave
Ottawa ON K1V 2B2 | ***ECA***

Approval No:	8066-8EQT4V	**MOE District:**	Ottawa
Approval Date:	2011-03-14	**City:**	
Status:	Approved	**Longitude:**	-75.759285
Record Type:	ECA	**Latitude:**	45.374744
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	DRMG Development Ltd.		
Address:	1908 Carling Ave		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4844-8DRKZD-14.pdf		

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29 | ***1 of 2*** | ***ESE/148.9*** | ***80.9 / 1.00*** | ***ON*** | ***WWIS***

Well ID:	1508387	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	4/17/1953
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3725
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
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\1508387.pdf

Additional Detail(s) (Map)

Well Completed Date:	1953/01/23
Year Completed:	1953
Depth (m):	53.34
Latitude:	45.3734848096237
Longitude:	-75.7598738193002

Path: 150\1508387.pdf

Bore Hole Information

Bore Hole ID:	10030421	**Elevation:**	80.486244
DP2BR:	10.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440500.70
Code OB Desc:	Bedrock	**North83:**	5024722.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	23-Jan-1953 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931009551
Layer:	1
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009552
Layer:	2
Color:	1
General Color:	WHITE
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	175.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508387
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

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

Pipe Information

Pipe ID: 10578991
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053491
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 175
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053490
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 18
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508387
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 15.0
Recommended Pump Depth:
Pumping Rate: 5.0
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: 933462870
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 65.0
Water Found Depth UOM: ft

29	2 of 2	ESE/148.9	80.9 / 1.00	ON	WWIS

Well ID:	1508392	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/30/1956
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3701
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\1508392.pdf

Additional Detail(s) (Map)

Well Completed Date:	1955/09/27
Year Completed:	1955
Depth (m):	60.96
Latitude:	45.3734848096237
Longitude:	-75.7598738193002
Path:	150\1508392.pdf

Bore Hole Information

Bore Hole ID:	10030426	**Elevation:**	80.486244
DP2BR:	4.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440500.70
Code OB Desc:	Bedrock	**North83:**	5024722.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	27-Sep-1955 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931009561
Layer:	1
Color:	
General Color:	
Mat1:	06
Most Common Material:	SILT
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	

Formation Top Depth: 0.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009562
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 4.0
Formation End Depth: 200.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508392
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10578996
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053501
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 200
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053500
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 14
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991508392
Pump Set At:	
Static Level:	30.0
Final Level After Pumping:	70.0
Recommended Pump Depth:	
Pumping Rate:	5.0
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:	933462879
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	200.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933462878
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	150.0
Water Found Depth UOM:	ft

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30 ***1 of 1*** ***ENE/151.7*** ***78.9 / -1.00*** ***ON*** ***BORE***

Borehole ID:	612786	**Inclin FLG:**	No
OGF ID:	215514092	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:		**Municipality:**	
Static Water Level:	8.6	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.375289
Total Depth m:	-999	**Longitude DD:**	-75.759515
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	440531
Drill Method:		**Northing:**	5024922
Orig Ground Elev m:	77.7	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	78.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218392492	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND.		

Geology Stratum ID:	218392494	**Mat Consistency:**	Firm
Top Depth:	2.4	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:	Blue	**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. GREY. BLUE. SHALE. BROWN. 0006600195 SAND. FIRM. BOULDERS. SILT. BEDROCK.		

Geology Stratum ID:	218392493	**Mat Consistency:**	
Top Depth:	.6	**Material Moisture:**	
Bottom Depth:	2.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**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:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 052940 NTS_Sheet: 31G04E		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

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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31 | ***1 of 1*** | ***S/156.9*** | ***81.9 / 2.00*** | ***ON*** | ***WWIS***

Well ID:	1508486	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	4/1/1952
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3725
Casing Material:		**Form Version:**	1

Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
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\1508486.pdf

Additional Detail(s) (Map)

Well Completed Date:	1951/05/12
Year Completed:	1951
Depth (m):	20.1168
Latitude:	45.3724785823311
Longitude:	-75.7622868186418
Path:	150\1508486.pdf

Bore Hole Information

Bore Hole ID:	10030520	**Elevation:**	82.194778
DP2BR:	10.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440310.70
Code OB Desc:	Bedrock	**North83:**	5024612.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	12-May-1951 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931009791
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 931009792
Layer: 2
Color: 1
General Color: WHITE
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 66.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508486
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579090
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053683
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

Construction Record - Casing

Casing ID: 930053684
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 66
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508486
Pump Set At:
Static Level: 8.0
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:

Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933463006
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55.0
Water Found Depth UOM:	ft

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32 | ***1 of 1*** | ***NNW/157.8*** | ***78.2 / -1.67*** | ***S. 21***
1945 LAUDER STREET<UNOFFICIAL>
Ottawa ON K2A 1B2 | ***SPL***

Ref No:	7686-5RFHUD	**Discharger Report:**	
Site No:		**Material Group:**	Oil
Incident Dt:	9/16/2003	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Tank (Above Ground) Leak	**Sector Type:**	Other
Incident Event:		**Agency Involved:**	
Contaminant Code:	13	**Nearest Watercourse:**	
Contaminant Name:	FURNACE OIL	**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	Ottawa
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	Eastern
Environment Impact:	Not Anticipated	**Site Municipality:**	Ottawa
Nature of Impact:	Groundwater Pollution; Soil Contamination	**Site Lot:**	
Receiving Medium:	Land & Water	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	9/16/2003	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Spill to Land
Incident Reason:	Unknown - Reason not determined	**Source Type:**	
Site Name:	1945 LAUDER STREET<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSA/MOE - oil tank leak to natural env'mt		
Contaminant Qty:	other - see incident description		

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33 | ***1 of 1*** | ***ESE/162.1*** | ***80.9 / 1.00*** | ***ON*** | ***WWIS***

Well ID:	1508142	**Data Entry Status:**	
Construction Date:		**Data Src:**	8
Primary Water Use:	Domestic	**Date Received:**	9/7/1954
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3725
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	

Construction Method:		**County:**	OTTAWA
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\1508142.pdf

Additional Detail(s) (Map)

Well Completed Date:	1953/07/27
Year Completed:	1953
Depth (m):	35.9664
Latitude:	45.3732130938717
Longitude:	-75.7601256020732
Path:	150\1508142.pdf

Bore Hole Information

Bore Hole ID:	10030177	**Elevation:**	80.576293
DP2BR:	10.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440480.70
Code OB Desc:	Bedrock	**North83:**	5024692.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	27-Jul-1953 00:00:00	**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:	931008909
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008910

Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 118.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508142
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10578747
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053015
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 118
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053014
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 20
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508142
Pump Set At:
Static Level: 16.0
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
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:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933462534
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	116.0
Water Found Depth UOM:	ft

34 | ***1 of 1*** | ***SE/165.4*** | ***80.9 / 1.00*** | ***lot 28 con 2 ON*** | ***WWIS***

Well ID:	1510600	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/8/1951
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3725
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY (NEPEAN)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	028
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	OF
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/151\1510600.pdf

Additional Detail(s) (Map)

Well Completed Date:	1949/11/15
Year Completed:	1949
Depth (m):	18.288
Latitude:	45.3731222385028
Longitude:	-75.7602520955536
Path:	151\1510600.pdf

Bore Hole Information

Bore Hole ID:	10032626	**Elevation:**	80.715354
DP2BR:	5.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440470.70
Code OB Desc:	Bedrock	**North83:**	5024682.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9

Date Completed: 15-Nov-1949 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931015334
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931015335
Layer: 2
Color: 3
General Color: BLUE
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961510600
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10581196
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930057828
Layer: 1

Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	15
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930057829
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	60
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991510600
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	15.0
Recommended Pump Depth:	
Pumping Rate:	
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:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933465626
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55.0
Water Found Depth UOM:	ft

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35 | ***1 of 1*** | ***SSW/170.0*** | ***81.9 / 2.00*** | ***ON*** | ***WWIS***

Well ID:	1508480	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	2/21/1951
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3725
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
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\1508480.pdf

Additional Detail(s) (Map)

Well Completed Date:	1950/12/02
Year Completed:	1950
Depth (m):	22.5552
Latitude:	45.3723834607265
Longitude:	-75.7630517946929
Path:	150\1508480.pdf

Bore Hole Information

Bore Hole ID:	10030514	**Elevation:**	82.297309
DP2BR:	8.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440250.70
Code OB Desc:	Bedrock	**North83:**	5024602.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	02-Dec-1950 00:00:00	**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:	931009779
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009780
Layer:	2
Color:	2

General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8.0
Formation End Depth:	74.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508480
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10579084
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053672
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	74
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053671
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	17
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508480
Pump Set At:	
Static Level:	12.0
Final Level After Pumping:	14.0
Recommended Pump Depth:	
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM

Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933462999
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	32.0
Water Found Depth UOM:	ft

---

36 | ***1 of 1*** | ***ESE/174.2*** | ***80.9 / 1.00*** | ***ON*** | ***WWIS***

Well ID:	1508130	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	9/10/1951
Sec. Water Use:	0	**Selected Flag:**	True
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\1508130.pdf

Additional Detail(s) (Map)

Well Completed Date:	1951/07/30
Year Completed:	1951
Depth (m):	40.5384
Latitude:	45.3736690666864
Longitude:	-75.7592377275489
Path:	150\1508130.pdf

Bore Hole Information

Bore Hole ID:	10030165	**Elevation:**	80.633850
DP2BR:	5.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440550.70
Code OB Desc:	Bedrock	**North83:**	5024742.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	30-Jul-1951 00:00:00	**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: 931008881
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 7.0
Formation End Depth: 133.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008880
Layer: 2
Color:
General Color:
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 7.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008879
Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508130

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

Pipe Information

Pipe ID: 10578735
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930052989
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 15
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930052990
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 133
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508130
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 20.0
Recommended Pump Depth:
Pumping Rate: 3.0
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: 30
Flowing: No

Water Details

Water ID: 933462520
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 128.0
Water Found Depth UOM: ft

Water Details

Water ID:	933462519
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	102.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933462518
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80.0
Water Found Depth UOM:	ft

---

37 ***1 of 1*** ***SW/191.0*** ***80.9 / 1.00*** ***ON*** ***WWIS***

Well ID:	1507991	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/21/1952
Sec. Water Use:	0	***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
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\1507991.pdf

Additional Detail(s) (Map)

Well Completed Date:	1952/10/13
Year Completed:	1952
Depth (m):	15.8496
Latitude:	45.372556214682
Longitude:	-75.764139647684
Path:	150\1507991.pdf

Bore Hole Information

Bore Hole ID:	10030026	***Elevation:***	82.464462
DP2BR:	20.00	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440165.70
Code OB Desc:	Bedrock	***North83:***	5024622.00
Open Hole:		***Org CS:***	

Cluster Kind:
Date Completed: 13-Oct-1952 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931008548
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 52.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008547
Layer: 1
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961507991
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10578596
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930052708

Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930052709
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	52
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991507991
Pump Set At:	
Static Level:	25.0
Final Level After Pumping:	30.0
Recommended Pump Depth:	
Pumping Rate:	2.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	45
Flowing:	No

Water Details

Water ID:	933462309
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	51.0
Water Found Depth UOM:	ft

---

38 ***1 of 1*** ***ESE/197.7*** ***81.9 / 2.00*** ***ON*** ***WWIS***

Well ID:	1508136	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	4/3/1952
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	5448
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA

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\1508136.pdf

Additional Detail(s) (Map)

Well Completed Date:	1952/03/03
Year Completed:	1952
Depth (m):	18.5928
Latitude:	45.3730360566631
Longitude:	-75.7596762437119
Path:	150\1508136.pdf

Bore Hole Information

Bore Hole ID:	10030171	**Elevation:**	81.199790
DP2BR:	5.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440515.70
Code OB Desc:	Bedrock	**North83:**	5024672.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	03-Mar-1952 00:00:00	**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:	931008896
Layer:	1
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	5.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008897
Layer:	2

Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 61.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508136
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10578741
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053002
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 61
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053001
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508136
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 15.0
Recommended Pump Depth:
Pumping Rate: 6.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft

Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933462526
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	61.0
Water Found Depth UOM:	ft

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39 | **1 of 1** | **E/197.8** | **79.9 / 0.00** | **818 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9** | **HINC**

External File Num:	FS INC 0807-03293
Fuel Occurrence Type:	Pipeline Strike
Date of Occurrence:	6/24/2008
Fuel Type Involved:	Natural Gas
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	Yes
Property Damage:	Yes
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No 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:	

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40 | **1 of 1** | **SSW/201.0** | **81.9 / 2.00** | **lot 28 con 2 ON** | **WWIS**

Well ID:	1510599	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/5/1950
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3725
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY (NEPEAN)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	028
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510599.pdf

Additional Detail(s) (Map)

Well Completed Date: 1949/12/27
Year Completed: 1949
Depth (m): 35.052
Latitude: 45.3720705742382
Longitude: -75.7627283162743
Path: 151\1510599.pdf

Bore Hole Information

Bore Hole ID: 10032625
DP2BR: 5.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 27-Dec-1949 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 81.927070
Elevrc:
Zone: 18
East83: 440275.70
North83: 5024567.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931015332
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 65.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931015333
Layer: 3
Color: 6
General Color: BROWN
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:

Mat3:
Mat3 Desc:
Formation Top Depth: 65.0
Formation End Depth: 115.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931015331
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961510599
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10581195
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930057826
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 5
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930057827
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 115
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991510599
Pump Set At:	
Static Level:	0.0
Final Level After Pumping:	0.0
Recommended Pump Depth:	
Pumping Rate:	6.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933465625
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	110.0
Water Found Depth UOM:	ft

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41 ***1 of 2*** ***E/203.4*** ***79.9 / 0.00*** ***ON*** ***WWIS***

Well ID:	1508791	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	2/21/1951
Sec. Water Use:	0	***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
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\1508791.pdf

Additional Detail(s) (Map)

Well Completed Date:	1951/02/05
Year Completed:	1951
Depth (m):	29.8704
Latitude:	45.3746637933085
Longitude:	-75.7585486110931
Path:	150\1508791.pdf

Bore Hole Information

Bore Hole ID:	10030825	***Elevation:***	79.422187
DP2BR:	8.00	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440605.70
Code OB Desc:	Bedrock	***North83:***	5024852.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	05-Feb-1951 00:00:00	***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:	931010601
Layer:	1
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	4.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931010603
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8.0
Formation End Depth:	98.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931010602
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 4.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508791
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579395
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054282
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 16
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930054283
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 98
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508791
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 14.0
Recommended Pump Depth:
Pumping Rate: 6.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1

Pumping Duration HR: 0
Pumping Duration MIN: 20
Flowing: No

Water Details

Water ID: 933463465
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 40.0
Water Found Depth UOM: ft

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41 | **2 of 2** | **E/203.4** | **79.9 / 0.00** | **ON** | **WWIS**

Well ID: 1508793
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 10/15/1951
Selected Flag: True
Abandonment Rec:
Contractor: 5448
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508793.pdf

Additional Detail(s) (Map)

Well Completed Date: 1951/08/02
Year Completed: 1951
Depth (m): 30.48
Latitude: 45.3746637933085
Longitude: -75.7585486110931
Path: 150\1508793.pdf

Bore Hole Information

Bore Hole ID: 10030827
DP2BR: 8.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 02-Aug-1951 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:

Elevation: 79.422187
Elevrc:
Zone: 18
East83: 440605.70
North83: 5024852.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931010607
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 8.0
Formation End Depth: 100.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010606
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508793
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579397
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054287
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 100
Casing Diameter: 5

Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930054286
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 12
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508793
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 30.0
Recommended Pump Depth:
Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933463467
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 100.0
Water Found Depth UOM: ft

42	1 of 1	SSE/205.0	81.9 / 2.00	ON	WWIS

Well ID: 1508460
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:

Data Entry Status:
Data Src: 1
Date Received: 1/5/1951
Selected Flag: True
Abandonment Rec:
Contractor: 3566
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
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\1508460.pdf

Additional Detail(s) (Map)

Well Completed Date: 1950/11/24
Year Completed: 1950
Depth (m): 39.9288
Latitude: 45.3723975179331
Longitude: -75.7609447847908
Path: 150\1508460.pdf

Bore Hole Information

Bore Hole ID: 10030494 ***Elevation:*** 81.883590
DP2BR: 7.00 ***Elevrc:***
Spatial Status: ***Zone:*** 18
Code OB: r ***East83:*** 440415.70
Code OB Desc: Bedrock ***North83:*** 5024602.00
Open Hole: ***Org CS:***
Cluster Kind: ***UTMRC:*** 5
Date Completed: 24-Nov-1950 00:00:00 ***UTMRC Desc:*** margin of error : 100 m - 300 m
Remarks: ***Location Method:*** p5
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931009724
Layer: 2
Color:
General Color:
Mat1: 06
Most Common Material: SILT
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 7.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009725
Layer: 3
Color:
General Color:
Mat1: 26
Most Common Material: ROCK
Mat2:
Mat2 Desc:

Mat3:
Mat3 Desc:
Formation Top Depth: 7.0
Formation End Depth: 131.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009723
Layer: 1
Color:
General Color:
Mat1: 01
Most Common Material: FILL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508460
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579064
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053633
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 17
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508460
Pump Set At:
Static Level: 2.0
Final Level After Pumping: 20.0
Recommended Pump Depth:
Pumping Rate: 9.0
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:	933462969
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933462970
Layer:	3
Kind Code:	1
Kind:	FRESH
Water Found Depth:	125.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933462968
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933462971
Layer:	4
Kind Code:	1
Kind:	FRESH
Water Found Depth:	131.0
Water Found Depth UOM:	ft

43 ***1 of 1*** ***SSW/205.7*** ***81.9 / 2.00*** ***ON*** ***WWIS***

Well ID:	1508481	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	2/21/1951
Sec. Water Use:	0	***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
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:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508481.pdf

Additional Detail(s) (Map)

Well Completed Date: 1951/01/12
Year Completed: 1951
Depth (m): 22.5552
Latitude: 45.3720259979048
Longitude: -75.7626638629738
Path: 150\1508481.pdf

Bore Hole Information

Bore Hole ID: 10030515
DP2BR: 8.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 12-Jan-1951 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 81.862655
Elevrc:
Zone: 18
East83: 440280.70
North83: 5024562.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931009782
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 8.0
Formation End Depth: 74.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009781
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 09
Mat2 Desc: MEDIUM SAND

Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508481
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579085
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053674
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 74
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053673
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 14
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508481
Pump Set At:
Static Level: 14.0
Final Level After Pumping: 16.0
Recommended Pump Depth:
Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30

Flowing: No

Water Details

Water ID: 933463000
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 18.0
Water Found Depth UOM: ft

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44 | **1 of 1** | **E/206.6** | **79.9 / 0.00** | **826 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9** | **HINC**

External File Num: FS INC 0806-03095
Fuel Occurrence Type: Pipeline Strike
Date of Occurrence: 6/5/2008
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Construction Site (pipeline strike)
Service Interruptions: Yes
Property Damage: Yes
Fuel Life Cycle Stage: Transmission, Distribution and Transportation
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training: Yes Management:Yes Human Factors:Yes

Reported Details:
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Ottawa
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

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45 | **1 of 1** | **E/207.7** | **79.9 / 0.00** | **lot 28 con 2 ON** | **WWIS**

Well ID: 1510602
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 1/31/1950
Selected Flag: True
Abandonment Rec:
Contractor: 3725
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY (NEPEAN)
Site Info:
Lot: 028
Concession: 02
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510602.pdf

Additional Detail(s) (Map)

Well Completed Date:	1949/10/19
Year Completed:	1949
Depth (m):	33.528
Latitude:	45.3745742119135
Longitude:	-75.7584835564493
Path:	151\1510602.pdf

Bore Hole Information

Bore Hole ID:	10032628	***Elevation:***	79.748428
DP2BR:	4.00	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440610.70
Code OB Desc:	Bedrock	***North83:***	5024842.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	19-Oct-1949 00:00:00	***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:	931015344
Layer:	3
Color:	1
General Color:	WHITE
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	60.0
Formation End Depth:	110.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015343
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	4.0
Formation End Depth:	60.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015342
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	4.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961510602
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10581198
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930057833
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	110
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930057832
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	7
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991510602
Pump Set At:	
Static Level:	13.0
Final Level After Pumping:	37.0

Recommended Pump Depth:	
Pumping Rate:	3.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	25
Flowing:	No

Water Details

Water ID:	933465628
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	100.0
Water Found Depth UOM:	ft

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46 ***1 of 1*** ***SSE/209.0*** ***81.9 / 2.00*** ***lot 28 con 2 ON*** ***WWIS***

Well ID:	1510601	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/5/1950
Sec. Water Use:	0	***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY (NEPEAN)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	028
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	OF
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/151\1510601.pdf

Additional Detail(s) (Map)

Well Completed Date:	1949/11/01
Year Completed:	1949
Depth (m):	35.052
Latitude:	45.3722149541311
Longitude:	-75.7613254622946
Path:	151\1510601.pdf

Bore Hole Information

Bore Hole ID:	10032627	***Elevation:***	81.928474
DP2BR:	11.00	***Elevrc:***	
Spatial Status:		***Zone:***	18

Code OB:	r	**East83:**	440385.70
Code OB Desc:	Bedrock	**North83:**	5024582.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	01-Nov-1949 00:00:00	**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:	931015341
Layer:	6
Color:	6
General Color:	BROWN
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	75.0
Formation End Depth:	115.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015340
Layer:	5
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	60.0
Formation End Depth:	75.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015336
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015337
Layer:	2
Color:	
General Color:	
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	11.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015339
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	48.0
Formation End Depth:	60.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015338
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	11.0
Formation End Depth:	48.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961510601
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID: 10581197
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930057830
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 11
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930057831
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 115
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991510601
Pump Set At:
Static Level: 10.0
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate: 4.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933465627
Layer: 1
Kind Code: 4
Kind: MINERIAL
Water Found Depth: 110.0
Water Found Depth UOM: ft

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47 | ***1 of 1*** | ***E/210.5*** | ***80.9 / 1.00*** | ***ON*** | ***WWIS***

Well ID: 1508786
Construction Date:
Data Entry Status:
Data Src: 1

Primary Water Use:	Domestic	**Date Received:**	12/18/1950
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3728
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\1508786.pdf

Additional Detail(s) (Map)

Well Completed Date:	1950/12/10
Year Completed:	1950
Depth (m):	28.0416
Latitude:	45.3738533202274
Longitude:	-75.7586016316274
Path:	150\1508786.pdf

Bore Hole Information

Bore Hole ID:	10030820	**Elevation:**	80.535331
DP2BR:	4.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440600.70
Code OB Desc:	Bedrock	**North83:**	5024762.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	10-Dec-1950 00:00:00	**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:	931010588
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	2.0

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010589
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010590
Layer: 3
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 4.0
Formation End Depth: 92.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508786
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579390
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054272
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 12
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID:	930054273
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	92
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508786
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	10.0
Recommended Pump Depth:	
Pumping Rate:	13.0
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:	933463460
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	92.0
Water Found Depth UOM:	ft

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48 ***1 of 1*** ***SSE/211.2*** ***81.9 / 2.00*** ***ON*** ***WWIS***

Well ID:	1508462	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	4/1/1952
Sec. Water Use:	0	***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
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\1508462.pdf

Additional Detail(s) (Map)

Well Completed Date: 1951/11/14
Year Completed: 1951
Depth (m): 17.0688
Latitude: 45.3722153797118
Longitude: -75.7612616136964
Path: 150\1508462.pdf

Bore Hole Information

Bore Hole ID: 10030496 **Elevation:** 81.904243
DP2BR: 10.00 **Elevrc:**
Spatial Status: **Zone:** 18
Code OB: r **East83:** 440390.70
Code OB Desc: Bedrock **North83:** 5024582.00
Open Hole: **Org CS:**
Cluster Kind: **UTMRC:** 5
Date Completed: 14-Nov-1951 00:00:00 **UTMRC Desc:** margin of error : 100 m - 300 m
Remarks: **Location Method:** p5
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931009728
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009729
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:

Formation Top Depth: 10.0
Formation End Depth: 56.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508462
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579066
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053636
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

Construction Record - Casing

Casing ID: 930053637
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 56
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508462
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 8.0
Recommended Pump Depth:
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

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

Water Details

Water ID:	933462973
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	56.0
Water Found Depth UOM:	ft

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49 | ***1 of 1*** | ***WSW/219.2*** | ***79.9 / 0.00*** | ***SOMERSET TOWERS***
2045 CARLING AVENUE
OTTAWA ON K2A 1G5 | ***GEN***

Generator No:	ON5955870	***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:	238291		
SIC Description:	ELEVATOR AND ESCALATOR INSTALLATION CONTRACTORS		

Detail(s)

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

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50 | ***1 of 1*** | ***E/221.0*** | ***80.6 / 0.69*** | ***830 RIDDELL AVENUE NORTH***
OTTAWA ON K2A 2V9 | ***HINC***

External File Num:	FS INC 0806-03104
Fuel Occurrence Type:	Pipeline Strike
Date of Occurrence:	6/9/2008
Fuel Type Involved:	Natural Gas
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	Yes
Property Damage:	Yes
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No 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:	

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51 | ***1 of 2*** | ***NNW/223.4*** | ***77.9 / -2.00*** | ***Enbridge Gas Distribution Inc.***
1943 Wembley Ave.
Ottawa ON K2A 1A8 | ***SPL***

Ref No:	1260-8ASR8R	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Discharge or Emission to Air	***Sector Type:***	

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

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:	Not Anticipated	**Site Municipality:**	
Nature of Impact:		**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:	11/1/2010	**Site Map Datum:**	
Dt Document Closed:	11/11/2010	**SAC Action Class:**	TSSA - Fuel Safety Branch
Incident Reason:	Error- Operator error	**Source Type:**	
Site Name:	Residential<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Ottawa: 1 1/4" plastic gas line strike		
Contaminant Qty:	0 other - see incident description		

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51 | ***2 of 2*** | ***NNW/223.4*** | ***77.9 / -2.00*** | ***1943 Wembley Avenue, Ottawa ON*** | ***PINC***

Incident ID:	2631244	**Fuel Category:**	Natural Gas
Incident No:	474960	**Health Impact:**	No
Incident Reported Dt:		**Environment Impact:**	No
Type:	FS-Pipeline Incident	**Property Damage:**	No
Status Code:	Pipeline Damage Reason Est	**Service Interupt:**	Yes
Customer Acct Name:		**Enforce Policy:**	Yes
Incident Address:		**Public Relation:**	No
Tank Status:	RC Established	**Pipeline System:**	
Task No:	3122793	**Depth:**	24
Spills Action Centre:	1260-8ASR8R	**Pipe Material:**	Plastic
Fuel Type:	Natural Gas	**PSIG:**	
Fuel Occurrence Tp:	Pipeline Strike	**Attribute Category:**	FS-Perform P-line Inc Invest
Date of Occurrence:	11/1/2010 0:00	**Regulator Location:**	Outside
Occurrence Start Dt:	2010/11/01	**Method Details:**	E-mail
Operation Type:	Construction Site (pipeline strike)		
Pipeline Type:	Service / Riser Distribution Pipeline		
Regulator Type:	Service Regulator (up to 60 psi intake)		
Summary:	1943 Wembley Avenue, Ottawa - 1 1/4" Pipeline Hit		
Reported By:	Michael Gruttner - Enbridge		
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)		
Occurrence Desc:			
Damage Reason:	Excavation practices not sufficient		
Notes:	No Locates, damaged by machine		

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52 | ***1 of 3*** | ***ESE/224.6*** | ***80.9 / 1.00*** | ***ONTARIO HYDRO 851 KILLEEN ANE TRANSFORMER OTTAWA CITY ON K2A 2X8*** | ***SPL***

Ref No:	7653	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	8/5/1988	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	COOLING SYSTEM LEAK	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	

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

Contaminant UN No 1:		**Site Region:**	
Environment Impact:		**Site Municipality:**	20101
Nature of Impact:		**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	8/6/1988	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	EQUIPMENT FAILURE	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	ONTARIO HYDRO - 4.5 L TRANSFORMER OIL(<50 PPM PCB) TO GROUND.		
Contaminant Qty:			

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52 **2 of 3** **ESE/224.6** **80.9 / 1.00** **Enbridge Energy Distribution Inc.** **SPL**
851 Killeen Ave.
Ottawa ON

Ref No:	0866-ATQS3M	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2017/12/04	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	Corporation
Incident Cause:		**Sector Type:**	Unknown / N/A
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	35	**Nearest Watercourse:**	
Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	851 Killeen Ave.
Contaminant Limit 1:		**Site District Office:**	Ottawa
Contam Limit Freq 1:		**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:	2017/12/04	**Site Map Datum:**	
Dt Document Closed:	2017/12/16	**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: Enbridge/1/2" plastic IP service damage/valid locates/safe		
Contaminant Qty:	0 other - see incident description		

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52 **3 of 3** **ESE/224.6** **80.9 / 1.00** **PIPELINE HIT 0.5"** **PINC**
851 KILLEEN AVE,,OTTAWA,ON,K2A 2X8,CA
ON

Incident ID:		**Fuel Category:**	
Incident No:	2203114	**Health Impact:**	
Incident Reported Dt:	12/5/2017	**Environment Impact:**	
Type:	FS-Pipeline Incident	**Property Damage:**	
Status Code:		**Service Interupt:**	
Customer Acct Name:	PIPELINE HIT 0.5"	**Enforce Policy:**	
Incident Address:	851 KILLEEN AVE,,OTTAWA,ON,K2A 2X8,CA	**Public Relation:**	
Tank Status:	Pipeline Damage Reason Est	**Pipeline System:**	
Task No:		**Depth:**	
Spills Action Centre:		**Pipe Material:**	
Fuel Type:		**PSIG:**	

Fuel Occurrence Tp:
Date of Occurrence:
Occurrence Start Dt:
Operation Type:
Pipeline Type:
Regulator Type:
Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:
Attribute Category:
Regulator Location:
Method Details:

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53 | ***1 of 1*** | ***ESE/227.0*** | ***81.9 / 2.00*** | ***ON*** | ***WWIS***

Well ID:	1508388	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/2/1953
Sec. Water Use:	0	***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4216
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
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\1508388.pdf

Additional Detail(s) (Map)

Well Completed Date:	1953/11/06
Year Completed:	1953
Depth (m):	47.8536
Latitude:	45.3729490231157
Longitude:	-75.759228092495
Path:	150\1508388.pdf

Bore Hole Information

Bore Hole ID:	10030422	***Elevation:***	81.310852
DP2BR:	55.00	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440550.70
Code OB Desc:	Bedrock	***North83:***	5024662.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	06-Nov-1953 00:00:00	***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: 931009554
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 55.0
Formation End Depth: 157.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009553
Layer: 1
Color:
General Color:
Mat1: 24
Most Common Material: PREV. DRILLED
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 55.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508388
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10578992
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053493
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 157
Casing Diameter: 5

Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053492
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	55
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508388
Pump Set At:	
Static Level:	17.0
Final Level After Pumping:	22.0
Recommended Pump Depth:	
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933462871
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55.0
Water Found Depth UOM:	ft

54 ***1 of 2*** ***E/228.7*** ***80.6 / 0.69*** ***ON*** ***WWIS***

Well ID:	1508776	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/11/1952
Sec. Water Use:	0	***Selected Flag:***	True
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\1508776.pdf

Additional Detail(s) (Map)

Well Completed Date: 1952/07/22
Year Completed: 1952
Depth (m): 33.528
Latitude: 45.3740354511325
Longitude: -75.7582847850084
Path: 150\1508776.pdf

Bore Hole Information

Bore Hole ID:	10030810	***Elevation:***	80.505104
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	440625.70
Code OB Desc:	Overburden	***North83:***	5024782.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	22-Jul-1952 00:00:00	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 931010565
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 18.0
Formation End Depth: 110.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010564
Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:

Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 18.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508776
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579380
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054254
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 110
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930054253
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: 991508776
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 15.0
Recommended Pump Depth:
Pumping Rate: 3.0
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: 933463441
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 70.0
Water Found Depth UOM: ft

Water Details

Water ID: 933463443
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 100.0
Water Found Depth UOM: ft

Water Details

Water ID: 933463442
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 80.0
Water Found Depth UOM: ft

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54 ***2 of 2*** ***E/228.7*** ***80.6 / 0.69*** ***ON*** ***WWIS***

Well ID:	1508777	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/28/1952
Sec. Water Use:	0	***Selected Flag:***	True
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\1508777.pdf

Additional Detail(s) (Map)

Well Completed Date: 1952/09/09
Year Completed: 1952
Depth (m): 33.528
Latitude: 45.3740354511325
Longitude: -75.7582847850084

Path: 150\1508777.pdf

Bore Hole Information

Bore Hole ID:	10030811	**Elevation:**	80.505104
DP2BR:	18.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440625.70
Code OB Desc:	Bedrock	**North83:**	5024782.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	09-Sep-1952 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931010567
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	18.0
Formation End Depth:	110.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931010566
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	18.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508777
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID: 10579381
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054256
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 110
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930054255
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: 991508777
Pump Set At:
Static Level: 25.0
Final Level After Pumping: 25.0
Recommended Pump Depth:
Pumping Rate: 3.0
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: 933463444
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 50.0
Water Found Depth UOM: ft

Water Details

Water ID: 933463445

Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933463446
Layer:	3
Kind Code:	1
Kind:	FRESH
Water Found Depth:	105.0
Water Found Depth UOM:	ft

---

55 ***1 of 1*** ***SW/230.2*** ***81.9 / 2.00*** ***ON*** ***WWIS***

Well ID:	1508857	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	11/26/1952
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3725
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
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\1508857.pdf

Additional Detail(s) (Map)

Well Completed Date:	1952/08/09
Year Completed:	1952
Depth (m):	19.812
Latitude:	45.3720178909014
Longitude:	-75.763876981649
Path:	150\1508857.pdf

Bore Hole Information

Bore Hole ID:	10030891	**Elevation:**	82.684707
DP2BR:	10.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440185.70
Code OB Desc:	Bedrock	**North83:**	5024562.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	09-Aug-1952 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			

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

Overburden and Bedrock Materials Interval

Formation ID: 931010784
Layer: 2
Color: 1
General Color: WHITE
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 65.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010783
Layer: 1
Color:
General Color:
Mat1: 13
Most Common Material: BOULDERS
Mat2: 14
Mat2 Desc: HARDPAN
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508857
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579461
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054413
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

Construction Record - Casing

Casing ID:	930054414
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

Results of Well Yield Testing

Pump Test ID:	991508857
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	8.0
Recommended Pump Depth:	
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933463553
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60.0
Water Found Depth UOM:	ft

---

56 ***1 of 1*** ***E/230.7*** ***79.9 / 0.00*** ***ON*** ***WWIS***

Well ID:	1508788	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/8/1951
Sec. Water Use:	0	**Selected Flag:**	True
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3725
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
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\1508788.pdf

Additional Detail(s) (Map)

Well Completed Date:	1950/07/20
Year Completed:	1950
Depth (m):	27.432
Latitude:	45.3748459240713
Longitude:	-75.7582317598097
Path:	150\1508788.pdf

Bore Hole Information

Bore Hole ID:	10030822	**Elevation:**	78.908576
DP2BR:	6.00	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	440630.70
Code OB Desc:	Bedrock	**North83:**	5024872.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	20-Jul-1950 00:00:00	**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:	931010593
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	6.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931010594
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 6.0
Formation End Depth: 90.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508788
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579392
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054277
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 90
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930054276
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 10
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508788
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 25.0
Recommended Pump Depth:
Pumping Rate:
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:
Pumping Duration MIN:
Flowing: No

Water Details

Water ID: 933463462
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 80.0
Water Found Depth UOM: ft

---

57 ***1 of 1*** ***SE/231.8*** ***81.9 / 2.00*** ***ON*** ***WWIS***

Well ID: 1508141
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 3/3/1953
Selected Flag: True
Abandonment Rec:
Contractor: 3725
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508141.pdf

Additional Detail(s) (Map)

Well Completed Date: 1952/12/05
Year Completed: 1952
Depth (m): 15.5448
Latitude: 45.3723104893335
Longitude: -75.7604966367496
Path: 150\1508141.pdf

Bore Hole Information

Bore Hole ID: 10030176
DP2BR: 13.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 05-Dec-1952 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:

Elevation: 81.688247
Elevrc:
Zone: 18
East83: 440450.70
North83: 5024592.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931008908
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 13.0
Formation End Depth: 51.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931008907
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 13.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508141
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10578746
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053013
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:	930053012
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508141
Pump Set At:	
Static Level:	9.0
Final Level After Pumping:	9.0
Recommended Pump Depth:	
Pumping Rate:	122.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933462533
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	33.0
Water Found Depth UOM:	ft

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58 ***1 of 1*** ***SW/232.8*** ***80.9 / 1.00*** ***ON*** ***WWIS***

Well ID:	1508231	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/25/1950
Sec. Water Use:	0	***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
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:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1950/06/14
Year Completed: 1950
Depth (m): 18.288
Latitude: 45.3723727854538
Longitude: -75.7646480132798
Path:

Bore Hole Information

Bore Hole ID: 10030266
DP2BR: 13.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 14-Jun-1950 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 82.012008
Elevrc:
Zone: 18
East83: 440125.70
North83: 5024602.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931009126
Layer: 3
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 13.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009124
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:

Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931009125
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 13.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508231
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10578836
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053187
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 14
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053188
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 60
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991508231
Pump Set At:	
Static Level:	13.0
Final Level After Pumping:	35.0
Recommended Pump Depth:	
Pumping Rate:	30.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933462650
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50.0
Water Found Depth UOM:	ft

59 ***1 of 1*** ***E/233.6*** ***80.6 / 0.69*** ***ON*** ***WWIS***

Well ID:	1508792	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/15/1951
Sec. Water Use:	0	***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	5448
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
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\1508792.pdf

Additional Detail(s) (Map)

Well Completed Date:	1951/07/19
Year Completed:	1951
Depth (m):	27.7368
Latitude:	45.3740358750267
Longitude:	-75.7582209343168
Path:	150\1508792.pdf

Bore Hole Information

Bore Hole ID:	10030826	***Elevation:***	80.542724
DP2BR:	8.00	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	440630.70
Code OB Desc:	Bedrock	***North83:***	5024782.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	19-Jul-1951 00:00:00	***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:	931010604
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931010605
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8.0
Formation End Depth:	91.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508792
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID: 10579396
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054285
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 91
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930054284
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 12
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508792
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 15.0
Recommended Pump Depth:
Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933463466
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 91.0
Water Found Depth UOM: ft

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60 | ***1 of 1*** | ***SW/237.7*** | ***80.9 / 1.00*** | ***ON*** | ***BORE***

Borehole ID: 612749 **Inclin FLG:** No

OGF ID:	215514055	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:		***Municipality:***	
Static Water Level:	6.1	***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.372195
Total Depth m:	-999	***Longitude DD:***	-75.764454
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	440141
Drill Method:		***Northing:***	5024582
Orig Ground Elev m:	79.2	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	82.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218392342	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	.3	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Sand	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	SAND.		

Geology Stratum ID:	218392343	***Mat Consistency:***	
Top Depth:	.3	***Material Moisture:***	
Bottom Depth:	6.1	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAY.		

Geology Stratum ID:	218392344	***Mat Consistency:***	
Top Depth:	6.1	***Material Moisture:***	
Bottom Depth:		***Material Texture:***	
Material Color:	White	***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. WHITE, WATER STABLE AT 240.0 FEET.00013 008 00025 010 00013009000250930000 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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:	H	***Horizontal:***	NAD27
Observatio:		***Verticalda:***	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		

Source Details: File: OTTAWA2.txt RecordID: 052570 NTS_Sheet: 31G05C
Confiden 1: Logged by professional. Exact and complete description of material and properties.

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

---

61 **1 of 1** **ESE/242.1** **80.9 / 1.00** **ON** **WWIS**

Well ID: 1508384
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Data Entry Status:
Data Src: 1
Date Received: 7/28/1952
Selected Flag: True
Abandonment Rec:
Contractor: 3725
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508384.pdf

Additional Detail(s) (Map)

Well Completed Date: 1952/06/14
Year Completed: 1952
Depth (m): 27.432
Latitude: 45.3733137115581
Longitude: -75.7585305614361
Path: 150\1508384.pdf

Bore Hole Information

Bore Hole ID: 10030418
DP2BR: 12.00
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 14-Jun-1952 00:00:00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Elevation: 80.946617
Elevrc:
Zone: 18
East83: 440605.70
North83: 5024702.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931009545
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	90.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931009544
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508384
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10578988
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053483
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	21
Casing Diameter:	4
Casing Diameter UOM:	inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053484
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 90
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508384
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 16.0
Recommended Pump Depth:
Pumping Rate: 1.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933462866
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 47.0
Water Found Depth UOM: ft

---

62 | ***1 of 1*** | ***ESE/249.5*** | ***80.9 / 1.00*** | ***PETRO-CANADA***
861 KILEEN AVENUE TANK TRUCK (CARGO)
OTTAWA CITY ON | ***SPL***

Ref No: 81587
Site No:
Incident Dt: 2/6/1993
Year:
Incident Cause: PIPE/HOSE LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact: Soil contamination
Receiving Medium: LAND
Receiving Env:
MOE Response:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting:

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

Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2/6/1993	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	ICE/FROST DAMAGE	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	PETRO-CANADA - 20L FURNACE OIL TO LAND DURING DELIVERY.		
Contaminant Qty:			

---

63 **1 of 1** **E/249.6** **80.9 / 1.00** **850 RIDDELL AVENUE NORTH OTTAWA ON K2A 2V9** **HINC**

External File Num:	FS INC 0807-03292
Fuel Occurrence Type:	Pipeline Strike
Date of Occurrence:	6/24/2008
Fuel Type Involved:	Natural Gas
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	Yes
Property Damage:	Yes
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No 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:	

---

64 **1 of 1** **NNW/249.6** **77.1 / -2.80** **PIPELINE HIT 1/2" 658 SHERBOURNE RD,,OTTAWA,ON,K2A 3H3, CA ON** **PINC**

Incident ID:		**Fuel Category:**	
Incident No:	1403100	**Health Impact:**	
Incident Reported Dt:	5/27/2014	**Environment Impact:**	
Type:	FS-Pipeline Incident	**Property Damage:**	
Status Code:		**Service Interupt:**	
Customer Acct Name:	PIPELINE HIT 1/2"	**Enforce Policy:**	
Incident Address:	658 SHERBOURNE RD,,OTTAWA,ON,K2A 3H3,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:			

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

Occurrence Desc:
Damage Reason:
Notes:

---

65 | ***1 of 1*** | ***NW/249.9*** | ***76.1 / -3.75*** | ***PRIVATE RESIDENCE***
731 COURTNEY AVENUE FURNACE OIL TANK
OTTAWA CITY ON | ***SPL***

Ref No:	196191	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	3/8/2001	***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:	Not Anticipated	***Site Municipality:***	20107
Nature of Impact:	Soil contamination	***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:	3/9/2001	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	EQUIPMENT FAILURE	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	PRIVATE RESIDENCE- 250 MLFURNACE OIL TO ASPHALT, CLEANED,FILL PIPE LEAK.		
Contaminant Qty:			

Unplottable Summary

Total: 13 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	L.SIPOLINS	SOUTH OF CARLING AVE.	OTTAWA CITY ON	
CA	City of Ottawa	Carling Avenue (Road allownce)	Ottawa ON	
CA	City of Ottawa	Killeen Ave	Ottawa ON	
CA	City of Ottawa	Carling Ave	Ottawa ON	
CA	OTTAWA CITY	KILLEEN AVE.	OTTAWA CITY ON	
CA	City of Ottawa	Riddell Avenue Riddell Avenue from Carling Avenue to Garfield Avenue	Ottawa ON	
CONV	ONTARIO HYDRO		TORONTO ON	
ECA	City of Ottawa	Carling Ave	Ottawa ON	K2G 6J8
ECA	City of Ottawa	Carling Ave	Ottawa ON	K2G 6J8
PINC	PIPELINE HIT 2"	LIFT LN LOT 28,,OTTAWA,ON,K1A,CA	ON	
SPL	HOTEL/MOTEL	CARLING AVENUE (N.O.S.)	OTTAWA CITY ON	
SPL	OTTAWA TRANSIT	CARLING AVENUE BUS	OTTAWA ON	
WWIS		lot 27	ON	

Unplottable Report

Site: ***L.SIPOLINS***
SOUTH OF CARLING AVE. OTTAWA CITY ON

Database: ***CA***

Certificate #: 7-1008-85-006
Application Year: 85
Issue Date: 11/15/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa***
Carling Avenue (Road allownce) Ottawa ON

Database: ***CA***

Certificate #: 3615-6QHRAR
Application Year: 2006
Issue Date: 6/13/2006
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***
Killeen Ave Ottawa ON

Database: ***CA***

Certificate #: 4171-7F4KG2
Application Year: 2008
Issue Date: 6/2/2008
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***
Carling Ave Ottawa ON

Database: ***CA***

Certificate #: 2472-8GRQTN

Application Year: 2011
Issue Date: 5/20/2011
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: ***OTTAWA CITY***
KILLEEN AVE. OTTAWA CITY ON

Database: ***CA***

Certificate #: 3-1184-86-
Application Year: 86
Issue Date: 8/22/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa***
Riddell Avenue Riddell Avenue from Carling Avenue to Garfield Avenue Ottawa ON

Database: ***CA***

Certificate #: 4531-73UHP5
Application Year: 2007
Issue Date: 6/17/2007
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: ***ONTARIO HYDRO***
TORONTO ON

Database: ***CONV***

File No:
Crown Brief No:
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: DISCHARGING MATERIAL LIKELY TO IMPAIR WATER QUALITY
Background:

Location:
Region: SOUTH EAST REGION
Ministry District:

URL:

Additional Details

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 16(1)
Act/Regulation/Section: OWRA- -16(1)
Date of Offence:
Date of Conviction:
Date Charged: 92/01/07
Charge Disposition:
Fine: 20000
Synopsis:

Site: ***City of Ottawa***
Carling Ave Ottawa ON K2G 6J8

Database: ***ECA***

Approval No: 3723-9ATJC6
Approval Date: 2013-08-30
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: City of Ottawa
Address: Carling Ave
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9325-9AMR2C-14.pdf

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***City of Ottawa***
Carling Ave Ottawa ON K2G 6J8

Database: ***ECA***

Approval No: 2472-8GRQTN
Approval Date: 2011-05-20
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: City of Ottawa
Address: Carling Ave
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5823-8GCKK6-14.pdf

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***PIPELINE HIT 2"***
LIFT LN LOT 28,,OTTAWA,ON,K1A,CA ON

Database: ***PINC***

Incident ID:
Incident No: 2407046
Incident Reported Dt: 9/26/2018
Type: FS-Pipeline Incident
Status Code:
Customer Acct Name: PIPELINE HIT 2"
Incident Address: LIFT LN LOT 28,,OTTAWA,ON,K1A,CA
Tank Status: Pipeline Damage Reason Est
Task No:
Spills Action Centre:
Fuel Type:
Fuel Occurrence Tp:

Fuel Category:
Health Impact:
Environment Impact:
Property Damage:
Service Interupt:
Enforce Policy:
Public Relation:
Pipeline System:
Depth:
Pipe Material:
PSIG:
Attribute Category:

Date of Occurrence:
Occurrence Start Dt:
Operation Type:
Pipeline Type:
Regulator Type:
Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:
Regulator Location:
Method Details:

Site: ***HOTEL/MOTEL***
CARLING AVENUE (N.O.S.) OTTAWA CITY ON

Database: ***SPL***

Ref No:	84065	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	4/14/1993	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	UNDERGROUND TANK LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	CONFIRMED	***Site Municipality:***	20101
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	MCCR
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	4/14/1993	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	CORROSION	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	EMBASSY WEST HOTEL: FUEL-CONTAMINATED SOIL FOUND BY UNDERGROUND TANK		
Contaminant Qty:			

Site: ***OTTAWA TRANSIT***
CARLING AVENUE BUS OTTAWA ON

Database: ***SPL***

Ref No:	187680	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	9/29/2000	***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:***	20107
Nature of Impact:	Water course or lake	***Site Lot:***	
Receiving Medium:	WATER	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	PUBLIC WORKS, FIRE DEPARTMENT
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	9/29/2000	***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: OC TRANSPO:DIESEL FUEL LEAK FROM FUEL PUMP/LINE INTO SEWER-WORKS NOTIFIED
Contaminant Qty:

Site:
lot 27 ON

Database:
WWIS

Well ID:	1518033	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Cooling And A/C	***Date Received:***	12/13/1982
Sec. Water Use:		***Selected Flag:***	True
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
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:***	027
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:	10039904	***Elevation:***	
DP2BR:	15.00	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	29-Jan-1982 00:00:00	***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:	931037131
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	27.0
Formation End Depth:	100.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 931037128
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931037130
Layer: 3
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 15.0
Formation End Depth: 27.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931037129
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

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

Construction Record - Casing

Casing ID: 930069712
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 23
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930069713
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: 991518033
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 50.0
Recommended Pump Depth: 60.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
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: 934103360
Test Type: Draw Down
Test Duration: 15
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934377689
Test Type: Draw Down
Test Duration: 30
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934647523
Test Type: Draw Down
Test Duration: 45
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934896797
Test Type:	Draw Down
Test Duration:	60
Test Level:	50.0
Test Level UOM:	ft

Water Details

Water ID:	933474659
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	97.0
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 -Apr 2021

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-May 31, 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-May 31, 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-May 31, 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- May 31, 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-Apr 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-Apr 30, 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 2019

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, 2019

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-Mar 31, 2021

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-Apr 30, 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-May 31, 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-May 31, 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: 1986-1990, 1992-2018

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-May 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-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, 2018

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-May 31, 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, 2021

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 Results

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

Requester Data			**For Ministry Use Only**	
Name, Title, Company Name and Mailing Address of Requester Julie Crooks Pinchin Ltd. 1 Hines Road, Suite 200 Kanata, Ontario K2K 3C7 For questions or concerns please contact **Julie Crooks** at: jcrooks@pinchin.com			FOI Request No.	FOI Co-ordinator Review date
			Date Request Received Response Due Date	Fee Paid ~ ACCT ~ CHQ ☑ VISA ~ CASH
Telephone/Fax Nos. Tel: (613) 592-3387 ext 1833 Fax (613) 592-5897	Your Project/Reference No. 295895	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**)

1951, 1967 and 1983 Carling Ave Ottawa
(one Site)

Present Property Owner(s) and Date(s) of Ownership

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*			

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

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

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

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

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

Ontario

May 30, 2018

Julie Roy
Pinchin Ltd.
1 Hines Road, Suite 200
Kanata, ON K2K 3C7

Dear Julie Roy:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2018-03539, Your Reference 223931

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 1951, 1967, 1983 Carling Avenue, Ottawa.

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

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

If you have any questions regarding this matter, please contact Andrea LiCalzi at Andrea.LiCalzi@ontario.ca.

Yours truly,

for Janet Dadufalza
FOI Manager

APPENDIX G

TSSA Search Results

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

Tel: (416) 734-3383
Fax: (416) 231-6183
Email: publicinformationservices@tssa.org

24 August 2018

Julie Roy
Pinchin Ltd.
200 – 1 Hines Road
Kanata, ON K2K 2X3

Subject: **1951 Carling Avenue, Ottawa, Ontario**
Your File No.: **223931**
Our File No.: **FS 00261**
SR No.: **2319954**

Dear Sir/Madam:

We are in receipt of your correspondence wherein you requested information regarding the above noted subject.

A search of our database and archives **did not** produce any **Fuel Safety** records.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

Trusting the attached satisfies your request; however, should you have any questions, please contact Public Information at publicinformationservices@tssa.org.

Yours truly,

CPH

Connie Hill
Public Information Agent

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

Tel: (416) 734-3383
Fax: (416) 231-6183
Email: publicinformationservices@tssa.org

24 August 2018

Julie Roy
Pinchin Ltd.
200 – 1 Hines Road
Kanata, ON K2K 2X3

Subject: **1967 Carling Avenue, Ottawa, Ontario**
Your File No.: **223931**
Our File No.: **FS 00262**
SR No.: **2319970**

Dear Sir/Madam:

We are in receipt of your correspondence wherein you requested information regarding the above noted subject.

A search of our database and archives **did not** produce any **Fuel Safety** records.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

Trusting the attached satisfies your request; however, should you have any questions, please contact Public Information at publicinformationservices@tssa.org.

Yours truly,

CPH

Connie Hill
Public Information Agent

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

24 August 2018

Julie Roy
Pinchin Ltd.
1 Hines Road, Suite 200
Kanata, ON K2K 2X3

Subject: 1983 Carling Avenue, Ottawa
Your File No. 223931
00263 FS
SR 2319978

Dear Madam,

We are in receipt of your correspondence wherein you requested information regarding the above noted subject.

A search of our database and archives did not produce the requested fuel safety records.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

Should you have any questions, please contact Public Information at publicinformationservices@tssa.org.

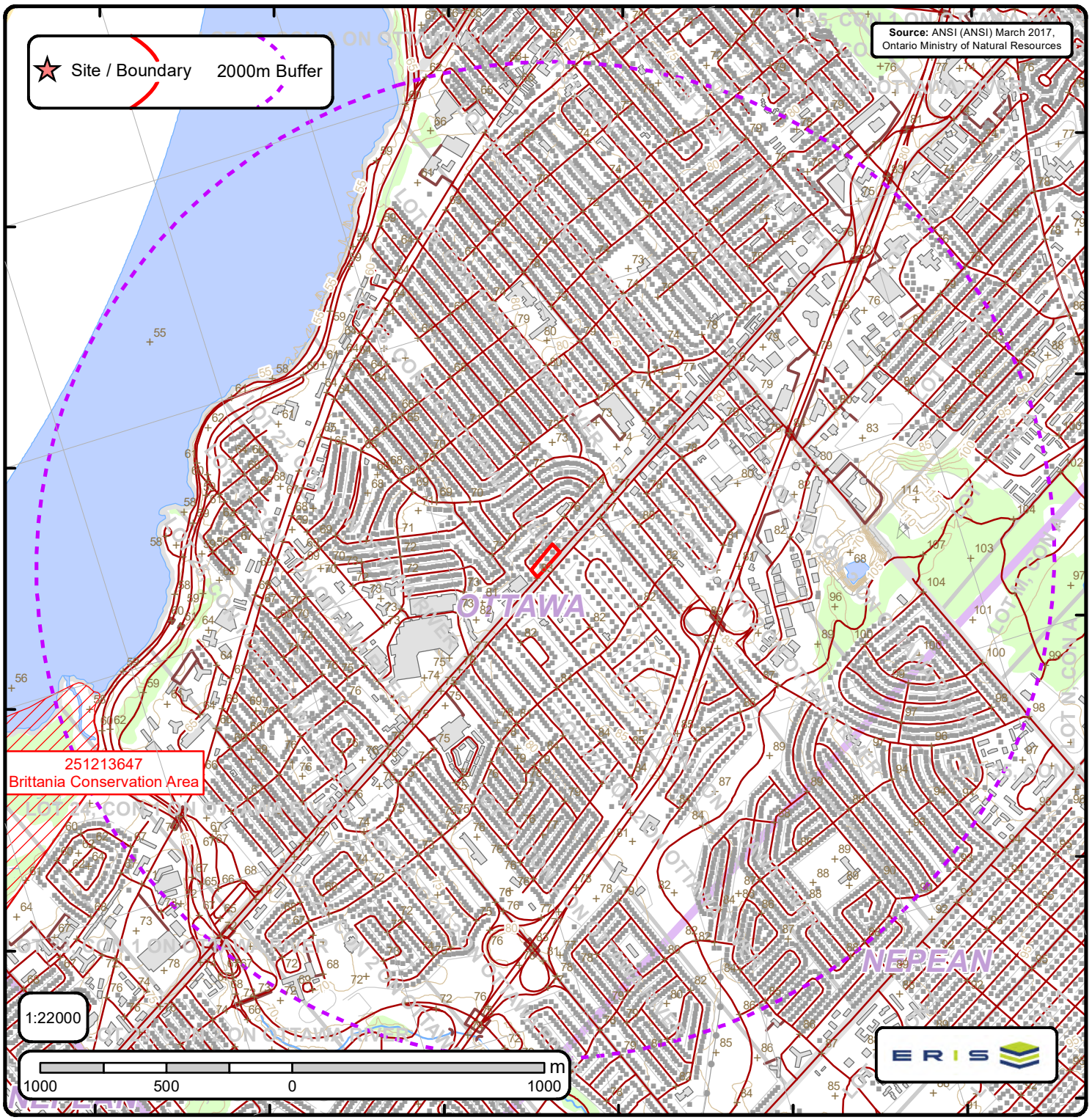
Yours truly,

Gaya Nair

Gaya Nair
Public Information Services

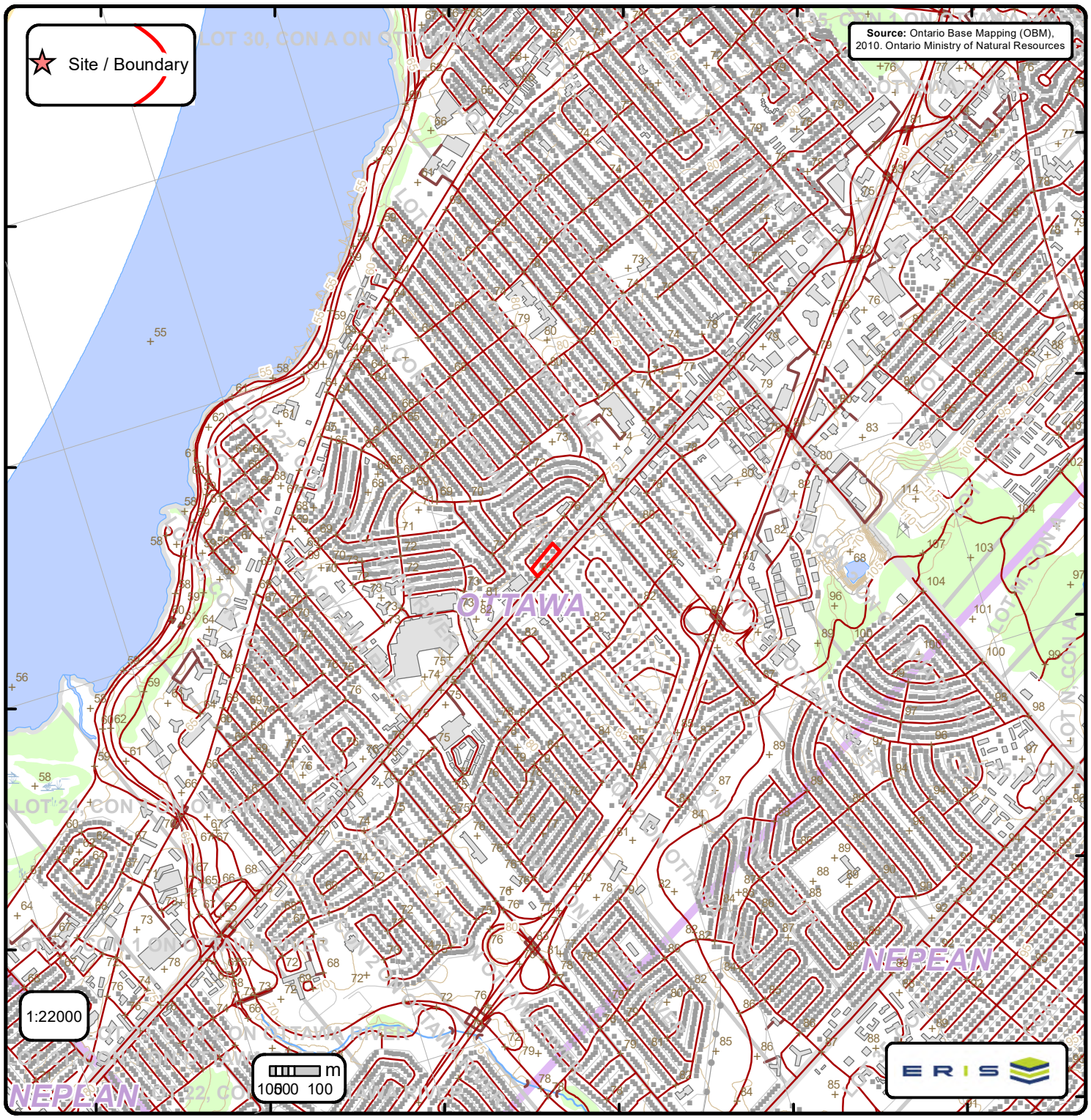
APPENDIX H

Maps



Area of Natural & Scientific Interest (ANSI) Order No. 21071500227

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



Ontario Base Mapping (OBM) Data

Order No. 21071500227

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	