

Phase One Environmental Site Assessment

1495 Heron Road, Ottawa, ON

Canada Lands Company CLC Limited
Final Report
Reference no. 02111459.000

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eNGLOBE

Canada Lands Company CLC Limited

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Prepared by:



Andrew Couturier, B.Sc., C.E.T., EP
Project Manager
Englobe Ottawa

Approved by:



Andrew Naoum, P.Eng, QP_{ESA}
Director of Operations - Engineering
Englobe Ottawa

By signing the above, the Qualified Person (QP) confirms that they have conducted and/or supervised the Phase One ESA and that all findings and conclusions of the Phase One ESA are included in this report.

Executive Summary

Englobe Corporation (Englobe) was retained by Canada Lands Company CLC Limited (herein referred to as the “Client”) to complete a Phase One Environmental Site Assessment (ESA) for the property located at 1495 Heron Road in Ottawa, Ontario (herein referred to as the “Site” or the “Phase One Property”).

The purpose of a Phase One ESA is to evaluate actual and potential environmental concerns on the Site and to assess the potential for the Site to be impacted by the current and/or historical uses of the Site and the surrounding properties. Englobe has completed this Phase One ESA in accordance with *Ontario Regulation 153/04 Records of Site Condition - Part XV.1 of the Act* under the *Ontario Environmental Protection Act*, R.S.O. 1990, chapter E.19 (O. Reg. 153/04), as amended. Englobe understands that this Phase One ESA report will be used as supporting documentation for the filing of a Record of Site Condition (RSC) for the Site, in accordance with Ontario Regulation (O. Reg.) 153/04 (as amended).

Information regarding the Phase One Study Area (the Site and the area within 250 m of the Site boundaries) was compiled through a records review, Site reconnaissance and interview(s) with persons knowledgeable about the Site. Federal, provincial, municipal, and private agencies and databases were searched during the records review for indicators of potential environmental concerns with regards to the Site and Phase One Study Area. It should be noted that responses from the Ontario Ministry of the Environment, Conservation and Parks (MECP) and the City of Ottawa, were not received as of the issuance date of this report. If relevant information which changes the conclusions of the report is received following the issuance of this report, an addendum to this report will be issued by Englobe.

The Site is irregular in shape and has a total property area of approximately 72,970 m² (7.30 ha). The Site is developed with 13 buildings (Buildings A through F and H through N), including offices, residences, classrooms, a gymnasium, a theatre, a cafeteria, and storage spaces. The buildings are primarily brick and range from one to six storeys high. Buildings A through C, K and L were constructed in 1963; Buildings D through F and I through J were constructed in 1965; Building M was constructed in 1975; and Building N was constructed between 1976 and 1999. The buildings are connected by walkways and tunnels. A large paved outdoor parking is located in the eastern portion of the property.

The total footprint area of the Site buildings at 1495 Heron Road is approximately 9,070 m² (97,630 ft²). The Site buildings are currently unoccupied, but have been historically used for institutional purposes.

The Site reconnaissance was conducted on November 4 and November 5th, 2021, and included observations of interior and exterior areas of the Phase One Property and observations of adjoining properties from publicly accessible vantage points.

An evaluation of actual and potential contamination was completed on the Site and properties within 250 m of its boundaries during this Phase One ESA. The information evaluated to identify PCAs and to determine APECs on the Site included record searches, a Site reconnaissance, and interviews with people knowledgeable about the property. Based on the above information, six (6) potentially contaminating activities (PCAs) were identified within the Study Area.

In March of 2015, DST Consulting Engineers Inc. completed a Phase Two ESA at the Phase One property in order to address the above area of potential environmental concern (APEC), associated with the former fuel oil UST and Building A hydraulic elevator leakage. Analytical results of the laboratory-submitted soil and groundwater samples were in compliance with the applicable Ontario Regulation 153/04 Table 3 standards. No impacts to the soil or groundwater quality were identified in the area of the former UST or

hydraulic oil leak. Based on the above information gleaned from review of the DST Phase Two ESA report (summarized in Section 3.1.5), adequate environmental investigation has been historically performed to address PCAs 1 - 5.

Based on the findings of this Phase One ESA, there was one areas of potential environmental concern (APECs) on the Phase One property:

APEC	Location of APEC	Potentially Contaminating Activity	Potential Contaminants of Concern (PCOCs)	Media Potentially Impacted
APEC 1 Former USTs were identified at 1495 Heron Road, 1480 Heron Road, 1440 Heron Road, and 2810 Baycrest Drive	Southwest perimeter of the Site.	28 – Gasoline and Associated Products Stored in Fixed Tanks	PHCs BTEX VOCs	Soil & Groundwater

Based on the information obtained as part of this Phase One ESA, one (1) APEC was identified at the Site resulting from historical PCAs identified on the Phase One Property and surrounding properties within the Phase One Study Area. Therefore, a Phase Two ESA will be required and is recommended to be conducted in order to assess the environmental quality of the soil and groundwater on the southwestern section of the Phase One Property.

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Subcontractors of Englobe who may have performed laboratory work are duly evaluated according to the purchasing procedure of our quality system. For further information or details, please contact your project manager.”

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1 Introduction

Englobe Corporation (Englobe) was retained by Canada Lands Company CLC Limited (herein referred to as the “Client”) to complete a Phase One Environmental Site Assessment (ESA) for the property located at 1495 Heron Road in Ottawa, Ontario (herein referred to as the “Site” or the “Phase One Property”). Figure 1, in Appendix A, shows the Site location.

The purpose of a Phase One ESA is to evaluate actual and potential environmental concerns on the Site and to assess the potential for the Site to be impacted by the current and/or historical uses of the Site and the surrounding properties. Englobe has completed this Phase One ESA in accordance with Ontario Regulation 153/04 Records of Site Condition - Part XV.1 of the Act under the Ontario Environmental Protection Act, R.S.O. 1990, chapter E.19 (O. Reg. 153/04), as amended. Englobe understands that this Phase One ESA report will be used as supporting documentation for the filing of a Record of Site Condition (RSC) for the Site, in accordance with Ontario Regulation (O. Reg.) 153/04 (as amended).

The scope of a Phase One ESA does not include sampling and analysis of potentially contaminated media. Information regarding the Phase One Study Area (the Site and an area within 250 m of the Site boundaries) was compiled through a records review, Site reconnaissance and interviews with individuals knowledgeable about the Site. The gathered information was evaluated and compiled in this Phase One ESA report.

This report was prepared for the exclusive use of Canada Lands Company CLC Limited. Any use of this report by any third party, or any reliance on or decisions to be made based on it, are the responsibility of such parties. Englobe accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report. Full Report Limitations are provided in Section 11 of this report.

1.1 Phase One Property Description

The Site is located at the municipal addresses of 1495 Heron Road, in a residential area of Ottawa, Ontario, in the community of Heron Gate - zoned as I1A - Minor Institutional Zone (Zoning By-law 2008-250 Consolidation, Part 7 - Institutional Zones, Sections 169 and 172, Current to May 22, 2019). The legal description of the Site is:

“PCL 6967, SEC CARL ; PT LT 20, CON JG , PT 8, 4R699 ; S/T LT969947 OTTAWA/GLOUCESTER; TOGETHER WITH AN EASEMENT OVER PART 2, 4R28609 AS IN OC1788113; TOGETHER WITH AN EASEMENT OVER PART 3, 4R28609 AS IN OC1788113; SUBJECT TO AN EASEMENT OVER PARTS 4, 5 AND 6, 4R28609 IN FAVOUR OF PART 4, 4R699 AS IN OC1788114; SUBJECT TO AN EASEMENT OVER PARTS 4, 5 AND 6, 4R28609 IN FAVOUR OF PART 7, 4R699 SAVE & EXCEPT PTS 1 TO 7, 4R1729 AS IN OC1788114”

The Site is irregular in shape with a total property area of approximately 72,969 m² (7.30 ha).

The Site is developed with 13 buildings (Buildings A through F, and H through N), including offices, residences, classrooms, a gymnasium, a theatre, a cafeteria, and storage spaces. The buildings are primarily brick-clad and range from one to six storeys high. Buildings A through C, K, and L were

constructed in 1963; Buildings D through F and I through J were constructed in 1965; Building M was constructed in 1975; and Building N was constructed between 1976 and 1999. The buildings are connected by walkways and tunnels. A large paved outdoor parking area is located in the eastern portion of the property.

Photographs of the Phase One property are included in Appendix B.

The Site is surrounded by the following properties:

Direction	Surrounding Property Activities
North	Vacant land, followed by residential properties.
East	Residential properties
South	St. Patrick’s Intermediate School, followed by Hilda Jayewardenaramaya Buddhist Monastery, Heron Road, and a mixed community & residential development
West	Conseil scolaire catholique d’Ottawa Carleton, followed by residential properties.

1.2 Contact Information

The Site is owned by Canada Lands Company CLC Limited (the Client). The contact information for the property owner’s/Client’s representative is as follows:

- Ms. Sharon Lithwick, Development Manager of CLC
 - Telephone: 343-573-8821
 - Email: slithwick@clc.ca
 - Business Address: 100 Queen Street, Suite 1050, Ottawa, Ontario, K1P 1A5

2 Scope of Work

The scope of work for the Phase One ESA is summarized in the following subsections. Englobe has performed this Phase One ESA in accordance with O. Reg. 153/04, as amended, and it is understood that this Phase One ESA report will be used as supporting documentation for the filing of a Record of Site Condition (RSC) for the Site.

2.1 Records Review

A records review was completed that involved collecting data from federal, provincial, and municipal databases, aerial photographs, geological maps, etc., in order to determine the presence or absence of actual and/or potential contaminants at the Site and surrounding areas.

2.2 Site Visit

A Site visit was conducted to inspect the Site and surrounding properties. The Client arranged for access to the Site, as required. Surrounding properties were assessed from publicly accessible locations.

2.3 Interviews

Englobe personnel conducted an interview with a person who is knowledgeable of the Site. The interview was designed to confirm, or augment information gathered during the records review and/or Site visit regarding past or present land uses or events that may affect the environmental condition of the Site. The Site interview was completed with the Client contact, Ms. Sharon Lithwick on December 9, 2021 via email.

2.4 Data Evaluation and Reporting

The data collected during the records review, the Site visit and interview was compiled and collated by Englobe. The information has been presented in a logical manner that clearly defines actual and potential environmental issues that may affect the environmental condition at the Site

3 Records Review

3.1 General

Information related to the Site were received and/or requested from numerous sources as detailed in this section. The agencies contacted, information requested, and responses received are summarized in the following sub-sections.

3.1.1 Phase One Study Area Determination

The Phase One Study Area encompasses the Site, as well as properties wholly and partly located within 250 m of the established boundaries as shown on Figure 2 in Appendix A. There are no nearby land uses that would require the extension of the Phase One Study Area beyond a 250 m radius.

3.1.2 First Developed Use Determination

Based on the available city directories, aerial photographs and interview information, the first developed use of the Site for institutional purposes was in/around 1963. The Site appeared to be completely developed with the Site buildings in their present configuration in the 1976 aerial photograph. Prior to 1963, the Site appeared to be undeveloped, based upon review of the 1946 and 1956 aerial photographs.

3.1.3 Fire Insurance Plans

Englobe requested a search of Fire Insurance Plans (FIPs), Inspection Reports and Insurance Documents through Opta Information Intelligence (Opta). Opta maintains records, including plans and maps for Canadian cities which indicate past and existing structures on properties, including but not limited to above-ground storage tanks (ASTs), underground storage tanks (USTs), and other building structure information.

No records were found for the Site. A copy of the Opta search results is provided in Appendix D.

3.1.4 Chain of Title

Englobe retained the services of Environmental Risk Information Service (ERIS) to conduct a title search for 1495 Heron Road., Ottawa, Ontario. The table below provides the Chain of Title for the Phase One property:

Summary of Chain of Title Results for the Phase One Property

Property Pin	Date Acquired	Registered Owners
04189-0241(LT)	January 30, 1911	Greater Ottawa Development Company Limited
	March 31, 1938	John James Heron
	January 13, 1959	The Board of Trustees of the Roman Catholic Separate School Board
	February 20, 1969	Notre Dame Convent Ottawa
	August 24, 1973	Her Majesty The Queen in Right of Canada

Property Pin	Date Acquired	Registered Owners
	July 28, 2020	Canada Lands Company CLC Limited

On January 30, 1911, the patent for the Site was created from Crown to Sarah McKenzie, and transferred on the same day as a deed to the Greater Ottawa Development Company Limited. It is believed that this is an administrative transfer and thus Sarah McKenzie has been excluded from the Chain of Title above.

It was noted that a portion of the Site was transferred from Her Majesty The Queen in Right of Canada to The Regional Municipal of Ottawa-Carleton on March 25, 1996. This is believed to be the removal of the property currently housing the St. Patrick's Intermediate School. Another portion of the Site was transferred from Her Majesty The Queen in Right of Canada to The Ottawa Catholic District School Board on May 18, 2016. This is believed to be the removal of the property currently housing the St. Patrick's Intermediate Catholic School (formerly "Building G").

A copy of the Chain of Title report is included in Appendix D.

3.1.5 Environmental Reports

The following environmental reports were made available for Englobe's review:

- Terra Solutions Inc. March 1996. "Phase One Environmental Site Assessment of Federal Study Centre". Reference No. 96-505.2.
- INTERA Engineering Ltd. March 2002. "CCME Phase II/III Environmental Site Assessment and Associated Activities - Federal Study Centre, Ottawa, Ontario DFRP # 30919". Reference No. 01-244-1.
- AMEC Earth & Environmental. April 2009. "Groundwater Monitoring Program - Federal Study Centre, DFRP #30919 - 1495 Heron Road, Ottawa, Ontario". Reference No. TZ91006.7.
- AMEC Earth & Environmental. July 28, 2009. "Groundwater Monitoring Well Decommissioning - Federal Study Centre, DFRP #30919 - 1495 Heron Road, Ottawa, Ontario". Reference No. TZ91006.7.
- DST Consulting Engineers Inc. December 2014. "Phase One Environmental Site Assessment, 1495 Heron Road, Ottawa, Ontario". Reference No. OE-OT-019917.
- DST Consulting Engineers Inc. March 2015. "Phase Two Environmental Site Assessment, 1495 Heron Road, Ottawa, Ontario". Reference No. OE-OT-019917.

A summary of the findings of the above-noted reports is provided in the subsections below:

3.1.5.1 Terra Solutions Inc., March 1996

Terra Solutions Inc. conducted a Phase One ESA at the Phase One property in 1996. The following potential environmental concerns were identified by the Phase One ESA:

- The former suspected presence of an underground storage tank (UST) for fuel oil between Buildings B and M. The tank was reportedly removed in 1989; however, no environmental assessments were conducted at the time of the removal of the tank.
- Evidence of contamination was noticed in the sump adjacent to the hydraulic elevator in Building A. Hydraulic oil was observed in the sump at the time of inspection.

Based on the results of the Phase One ESA, a Phase Two ESA was recommended in order to address the above-noted potential environmental concerns.

3.1.5.2 INTERA Engineering Ltd., March 2002

In March of 2002, INTERA Engineering Ltd. completed a Phase Two ESA at the Phase One property in order to address the area of potential environmental concern (APEC) associated with the former fuel oil UST, as identified by the Phase One ESA completed by Terra Solutions Inc. The Phase Two ESA consisted of the advancement of four boreholes in the suspected area of the former UST, and the laboratory submission of select soil samples, collected during borehole drilling, for laboratory analysis of petroleum hydrocarbon fractions F1 - F4 (PHC F1 - F4) and benzene, toluene, ethylbenzene and xylenes (BTEX). None of the boreholes were instrumented with groundwater monitoring wells and, thus, no groundwater samples were collected as part of the Phase Two ESA.

Analytical results of the laboratory-submitted soil samples were in compliance with the applicable Canadian Council of Ministers of the Environment (CCME) and Ontario Ministry of the Environment (MOE) guidelines/standards at the time. Therefore, no impacts to the soil quality were identified in the area of the former UST.

3.1.5.3 AMEC Earth and Environmental, April 2009

AMEC Earth and Environmental (AMEC) conducted a groundwater monitoring program at the Phase One property in February and March of 2009. The monitoring program consisted of collecting three groundwater samples, including a field duplicate, from a previously installed monitoring well in the suspected area of the former UST onsite (no report is available documenting the installation of the well or any previous findings). The collected samples were submitted for laboratory analysis of PHC F1 - F4 and BTEX.

The first groundwater sample and a field duplicate were collected on February 26, 2009. Visual and olfactory evidence of petroleum impact, including an iridescent sheen and a petroleum-like odour, was observed during the groundwater purging and sampling activities. On March 9, 2009, an additional groundwater sample was collected from the well using a no-purge protocol. No evidence of petroleum impact was observed during the March sampling event.

Laboratory analytical results of all three groundwater samples were in compliance with the applicable federal and provincial guidelines/standards at the time. Note, however, that the reported concentrations of PHC F3 (600 µg/L) in the February 2009 sample and its duplicate exceed the currently applicable MOE Table 3 standard for PHC F3 (500 µg/L).

3.1.5.4 AMEC Earth and Environmental, July 2009

AMEC supervised the decommissioning of the aforementioned monitoring well on July 14, 2009.

3.1.5.5 DST Consulting Engineers Inc., December 2014

DST Consulting Engineers Inc. completed a Phase One ESA at the subject property in December 2014. The following potential environmental concerns were identified by the Phase One ESA:

- The former presence of an underground storage tank (UST) for fuel oil, suspected to be between Buildings B and M. The tank was reportedly removed in 1989. It was noted that the PHC F3

results from the AMEC Groundwater Monitoring Program exceeded the currently applicable MECP Table 3 Groundwater SCS.

- Evidence of contamination was noticed in the sump adjacent to the hydraulic elevator in Building A. Hydraulic oil was observed in the sump at the time of inspection.

Based on the results of the Phase One ESA, a Phase Two ESA was recommended in order to address the above-noted potential environmental concerns.

3.1.5.6 DST Consulting Engineers Inc., March 2015

In March of 2015, DST Consulting Engineers Inc. completed a Phase Two ESA at the Phase One property in order to address the areas of potential environmental concern (APECs) associated with the former fuel oil UST and Building A hydraulic elevator leakage, as identified by the Phase One ESA completed by DST Consulting Engineers Inc. in 2014. The Phase Two ESA consisted of the advancement of three boreholes in the area of the former UST, and one borehole in the room behind the Building A hydraulic elevator. Select soil samples, collected during borehole drilling, and groundwater from installed monitoring wells, were submitted for laboratory analysis of petroleum hydrocarbon fractions F1 - F4 (PHC F1 - F4) and benzene, toluene, ethylbenzene and xylenes (BTEX).

Analytical results of the laboratory-submitted soil and groundwater samples were in compliance with the applicable Ontario Regulation 153/04 Table 3 standards. No impacts to the soil or groundwater quality were identified in the area of the former UST or hydraulic oil leak.

3.2 Environmental Source Information

Environmental information for the Site was obtained from the sources described in the sub-sections below. Distances provided relative to the Site are approximations. Locations of records with respect to surface runoff and groundwater flow direction relative to the Site are also inferred.

3.2.1 Provincial, Federal, and Private Database Search

ERIS was retained by Englobe to complete a search of federal, provincial and private databases for environmental information regarding the Site and properties within 250 m of the Site

In total, there were 17 records found for the Site and an additional 21 records found for the Phase One ESA Study Area (within 250 m of the Site). The following table is a summary of the pertinent results of the database search as they relate to potential impacts to the environmental condition of the soil and groundwater at the Site:

Database Search Summary

Name/Location	Approximate Distance from the Site	Details
Brookfield Lepage Johnson Controls 1495 Heron Road	On-Site	- Ontario Regulation 347 Waste Generators Summary (GEN) records indicates that the Site was a waste generator of alkaline wastes, other specified inorganics, aliphatic solvents, petroleum distillates, oil skimmings & sludges, waste oils & lubricants, and paint/pigment/coating residues between 1999

Name/Location	Approximate Distance from the Site	Details
Public Works & Government Services Canada 1495 Heron Road	On-Site	and 2001 under generator number ON0554836. - Three (3) records in the GEN database indicates that the Site was a waste generator of PCBs and Waste Oils & Lubricants between 1995 - 2001 under generator number ON1765016. - Ten (10) records in the GEN database indicates that the Site was a waste generator of acid wastes (heavy and other metals) alkaline wastes, other specified inorganics, inorganic sludges, slurries, or solids, aliphatic solvents, petroleum distillates, halogenated pesticides, PCBs, oil skimmings & sludges, waste oils & lubricants, paint/pigment/coating residues, organic laboratory chemicals, and waste compressed gases (including cylinders) between 2003 - 2010, and 2012 - 2021 under generator number ON0554836.
SNC-Lavalin O & M 1495 Heron Road	On-Site	- One records in the GEN database indicates that the Site was a waste generator of alkaline wastes, aliphatic solvents, paint/pigment/coating residues, and waste compressed gases in 2013 under generator number ON7817556.
Ottawa R.C. Separate School Board Ottawa-Carleton Catholic School Board 1485 Heron Road	West adjacent property	- One (1) record in the GEN database indicates that the Site was a waste generator of organic laboratory chemicals from 1986-1990 under generator number ON0426401. - Two (2) records in the GEN database indicate that the Site was a waste generator of organic and inorganic laboratory chemicals from 1992-2001 under generator number ON0426401. - One (1) record in the GEN database indicates that the Site was a waste generator of inorganic and organic laboratory chemicals, paint/pigment/coating residues, petroleum distillates, PCBs, waste oils & lubricants, and waste compressed gases from 2002-2004 under generator number ON1478397. - One (1) record in the GEN database indicates that the Site was a waste generator of inorganic and organic laboratory chemicals from 2007-2008 under generator number ON3269013. - One (1) record in the GEN database indicates that the Site was a waste generator of inorganic and organic laboratory chemicals, and paint/pigment/coating

Name/Location	Approximate Distance from the Site	Details
		residues in 2009 under generator number ON9993594.
Transglobe Property Management Ltd. 2840 Baycrest Avenue	180 m south of the Site	- One (1) Ontario Spills (SPL) record indicates that an unknown quantity of hydrocarbons was released into the sewers in March 2012.

Additional records within the Site study area are available within the ERIS report but have not been summarized herein due to their distance from, or insignificance to, the Site. The full ERIS report as well as full descriptions of each database searched is provided in Appendix D.

Based on a review of the information gathered in the above tables, the following PCAs have been identified:

- 2840 Baycrest Ave - Spill of unknown quantity of hydrocarbons to sewer in March 2012.

3.2.2 Environment and Climate Change Canada (ECCC)

On December 17, 2021, Englobe submitted a request to Environment and Climate Change Canada (ECCC) under the *Access to Information Act*, to provide available information related to environmental concerns (general correspondence, occurrence reports, abatement), orders, tanks (ASTs/USTs), spills, investigations/prosecutions (with owner/tenant information), and waste generator number/classes. This includes certificates of approval such as: air emissions, water, sewage, waste water, industrial discharge, waste systems, and pesticide licenses, and any other environmental concerns related to the Site. A response was received on January 12, 2022, indicating that no records were found regarding the above items.

3.2.3 Ministry of the Environment, Conservation, and Parks (MECP)

The Ministry of the Environment, Conservation and Parks (MECP) Freedom of Information (FOI) office was contacted for information on the Site, such as past or existing environmental permits, existing environmental orders, fuel storage tanks, or any other environmentally related information. A request was sent to the MECP on December 15, 2021. A response was not received as of the issuance date of this report. If the search results do affect the conclusions of this report, an addendum to the report will be issued.

3.2.4 City of Ottawa

On December 16, 2021, Englobe submitted a request to the City of Ottawa for Historical Land Use Inventory information for the Site. A response was received, indicating the presence of five (5) USTs within the Phase One Study Area, including a UST with a capacity of 45,400 (no unit given) at the Notre Dame Junior High School, located at 1495 Heron Road. It is indicated that the UST was installed in 1965. It was noted that TSSA and ERIS records searches did not return any records for these USTs. These USTs pose a potential environmental concern to the Site.

3.2.5 Technical Safety and Standards Association (TSSA)

TSSA Fuel Handling Division is responsible for records regarding licensing of fuel handling facilities in Ontario. The TSSA was contacted on October 27th, 2021 for any information with respect to environmental concerns, which could include past or existing environmental spills, information on fuel tanks, or any other related environmental information at the Site and adjacent properties located at 1495, 1481, 1461, 1480, 1490 & 1440 Heron Road, as well as 1678 and 1682 Amberdale Crescent. A response was received from the TSSA on October 27th, 2021, indicating that no records were found for the Site and surrounding properties. A copy of TSSA's response is provided in Appendix D.

3.2.6 MECP Inventory of Coal Gasification Waste Plants in Ontario

A review of the MECP's Inventory of Coal Gasification Plant Waste Sites in Ontario (April 1987) revealed that the Site has not been used for the gasification of coal. No coal gasification plants were identified within 1 km of the Site.

3.2.7 MECP Inventory of Industrial Sites Producing Coal Tars and Related Tars in Ontario

A review of the MECP's Inventory of Industrial Sites Producing Coal Tars and Related Tars in Ontario (November 1988) revealed that the production and use of coal or other tars has not taken place at the Site or on the surrounding properties within 1 km of the Site.

3.2.8 MECP Inventory of PCB Sites in Ontario

The 1991 and 1995 Inventories of polychlorinated biphenyl (PCB) Storage Sites in Ontario indicate that no PCB storage sites were identified at the Site or on the surrounding properties (within 250 m radius).

3.2.9 National Pollutant Release Inventory (NPRI)

The National Pollutant Release Inventory includes information regarding releases to air, water or land and waste transfers for recycling. The database spans the years of 1993 to 2017. No records were found for the Phase One property or on the surrounding properties (within 250 m radius).

3.2.10 Pesticide Register (PES)

A search through the Ontario Ministry of Environment database of all manufactures and vendors of registered pesticides did not reveal any records within the Phase One study area.

3.2.11 Permit to Take Water (PTTW)

The Ontario's Environmental Registry Database included all permits since 1994 - 2020. There were no permits to take water for the Phase One property. Two (2) records were identified within the Phase One study area:

- One record was found for Doulos Construction Ltd., approximately 250m north-west of the subject property. The permit was issued for construction dewatering in 2017 and is listed as expired.
- One record was found for Timbercreek Developments Inc., approximately 250m south-east of the subject property. The permit was issued for construction dewatering in 2017 as is listed as expired.

The above records do not represent a potential environmental concern to the Phase One property.

3.2.12 Environmental Compliance Approvals (ECAs)

The Certificates of Approval (CA) database contains information on provincial approvals including air and noise, industrial sewage, municipal and private sewage, waste management systems and renewable energy resources. One (1) record was found in the Phase One study area:

- One ECA record for Storm Sewer construction was registered to 2334984 Ontario Inc. While the ECA was registered within the Phase One study area, the associated activities did not occur within the Phase One study area.

The above ECA record does not indicate an environmental concern to the Phase One property.

3.2.13 City Directory

The city directory search provides the names of businesses that were operating at certain municipal addresses at a point in time. They do not provide details as to the activities at the properties.

Englobe retained ERIS for a city directory search for the Site. City directory results for the was provided by ERIS from the years 1964 until 2011. The results are summarized in the table below. The ERIS response is included in Appendix D.

City Directory Search Summary

Address	Year Listed	Listing
1495 Heron Road	2011	SNC-Lavalin O & M Inc.
	2005 - 2006	Address not listed
	2000 - 2001	Ontario Government
	1995 - 1996	Centre Jules Leger Bureau
	1990	Federal Study Centre Public Works Canada
	1984	
	1979	Department of Transportation
	1974	Ministry of Transportation
	1969	Notre Dame High School
	1964	Address not listed

None of the above-mentioned records indicate a potential environmental concern to the Site based on the nature of the activities.

3.2.14 Intera Report

Englobe reviewed *Mapping and Assessment of Former Industrial Sites, City of Ottawa* document (Intera Technologies Ltd., 1988). This document describes historical waste disposal sites, and

historical industrial sites throughout the City of Ottawa. There are no historical waste disposal sites identified within 500 m of the Site.

3.2.15 Golder Report - Old Landfill Management Strategy

In 2004, Golder Associates Ltd. completed a study for the City of Ottawa that identified old landfill sites for potential environmental considerations within the boundary of the amalgamated City of Ottawa. This report represents the Phase One of the Old Landfill Site Management Strategy implemented by the City of Ottawa, as a proactive initiative to protect human health and the environment, minimize possible liability of the municipality and individuals, and to provide information to various stakeholders associated with old landfill sites.

Englobe reviewed the *Old Landfill Management Strategy, Phase I - Identification of Sites, City of Ottawa, Ontario* (Golder Associates Ltd, 2004). There were no landfills identified within the Phase One Study Area.

3.3 Physical Setting Source

Aerial photographs as well as soil, bedrock geology, and topography maps were reviewed for information pertaining to the physical setting of the Site. A description of the results for each record reviewed is provided below.

3.3.1 Aerial Photographs

Aerial photographs can provide an indication of historical land uses with respect to the Site and surrounding properties. Fifteen (15) aerial photographs were obtained and reviewed for the years 1946, 1956, 1965, 1976, 1999, 2002, 2005, 2007, 2008, 2009, 2011, 2014, 2015, 2017 and 2019. Aerial photographs showing the approximate Site location are located in Appendix C.

The following table highlights the observed features of the Site and surrounding properties within 250 m for each aerial photograph.

Aerial Photographs Observations

Aerial Photograph Year	Site Observations	Surrounding Properties Observations
1946	<ul style="list-style-type: none"> The Site appears to be undeveloped. 	<ul style="list-style-type: none"> North of the Site: Primarily undeveloped with the exception of what appears to be rural residential dwellings. East of the Site: Primarily undeveloped with the exception of what appears to be rural residential dwellings along Heron. South of the Site: Primarily undeveloped with the exception of what appears to be rural residential dwellings along Walkley Road. West of the Site: Primarily undeveloped with the exception of what appears to be rural residential dwellings along Heron Road.
1956	<ul style="list-style-type: none"> Similar to the 1946 aerial photograph 	<ul style="list-style-type: none"> North of the Site: A residential neighbourhood has been developed to the North-West of the Site.

Aerial Photograph Year	Site Observations	Surrounding Properties Observations
		<ul style="list-style-type: none"> • East of the Site: Similar to the 1946 aerial photograph. • South of the Site: Similar to the 1946 aerial photograph. • West of the Site: A residential neighbourhood has been developed to the west and south-west of the Site.
1965	<ul style="list-style-type: none"> • The Site has been developed with multiple structures. 	<ul style="list-style-type: none"> • North of the Site: Similar to the 1956 aerial photograph, except the residential neighbourhood to the north-west has been expanded. • East of the Site: A residential neighbourhood has been developed. • South of the Site: Multiple structures have been developed to the South and south-west of the Site, along Heron Road. • West of the Site: Similar to the 1956 aerial photograph, except the residential neighbourhood to the west has been expanded.
1976	<ul style="list-style-type: none"> • The Site appears to be developed in approximately the same configuration as present. 	<ul style="list-style-type: none"> • North of the Site: Significant residential development has occurred to the north-east of the Site, including residential properties which now border the Site boundary. • East of the Site: Significant residential development has occurred to the north-east of the Site, including residential properties which now border the Site boundary. • South of the Site: A large residential neighbourhood has been developed to the south. • West of the Site: Developed with buildings similar to the current configuration.
1999	<ul style="list-style-type: none"> • The Site appears to be developed in approximately the same configuration as present. 	<ul style="list-style-type: none"> • North of the Site: Developed with buildings in approximately the same configuration as present. • East of the Site: Developed with buildings in approximately the same configuration as present. • South of the Site: Additional structures have been added to the residential development. • West of the Site: Developed with buildings in approximately the same configuration as present.
2002	<ul style="list-style-type: none"> • Similar to the 1999 aerial photograph. 	<ul style="list-style-type: none"> • North of the Site: Similar to the 1999 aerial photograph • East of the Site: Similar to the 1999 aerial photograph. • South of the Site: Similar to the 1999 aerial photograph. • West of the Site: Similar to the 1999 aerial photograph.
2005	<ul style="list-style-type: none"> • Similar to the 2002 aerial photograph 	<ul style="list-style-type: none"> • North of the Site: Similar to the 2002 aerial photograph • East of the Site: Similar to the 2002 aerial photograph.

Aerial Photograph Year	Site Observations	Surrounding Properties Observations
		<ul style="list-style-type: none"> • South of the Site: A new residential neighbourhood is being developed to the south-west of the Site. Additional structures have been added to the existing residential neighbourhoods to the South. • West of the Site: Similar to the 2002 aerial photograph.
2007, 2008, 2009, and 2011, 2014, and 2015	<ul style="list-style-type: none"> • Similar to 2005 aerial photograph. 	<ul style="list-style-type: none"> • North of the Site: Similar to the 2005 aerial photograph. • East of the Site: Similar to the 2005 aerial photograph. • South of the Site: Similar to the 2005 aerial photograph. • West of the Site: Similar to the 2005 aerial photograph.
2017	<ul style="list-style-type: none"> • Similar to 2015 aerial photograph 	<ul style="list-style-type: none"> • North of the Site: Similar to the 2015 aerial photograph. • East of the Site: A residential neighbourhood to the east south-east of the Site has been deconstructed. • South of the Site: Similar to the 2015 aerial photograph. • West of the Site: Similar to the 2015 aerial photograph.
2019	<ul style="list-style-type: none"> • Similar to 2017 aerial photograph 	<ul style="list-style-type: none"> • North of the Site: Similar to the 2017 aerial photograph. • East of the Site: A new residential complex has been developed where the previous one was deconstructed. • South of the Site: The residential neighbourhood to the south-east has been deconstructed. • West of the Site: Similar to the 2017 aerial photograph.

Based on a review of the aerial photographs, there are no apparent properties which pose a potential environmental concern to the Site. However, the details of PCAs cannot be identified based solely on the review of the aerial photographs.

3.3.2 Topography, Hydrology, and Geology

Englobe reviewed available maps to determine Site and surrounding features such as local geology, topography, hydrogeology and locations of nearby watercourses. The maps reviewed and a description of the noted Site and surrounding property features is described in the table below.

Summary of Maps Reviewed

Map Title	Source	Site and Surrounding Property Features
Ontario Base Mapping	geoOttawa (City of Ottawa GIS), 2021	<ul style="list-style-type: none"> • The Site and surrounding properties are situated at an elevation between 92 and 98 metres above sea level (masl). • The nearest surface water feature is Sawmill Creek, which is approximately 1.8 km north-west of the Site.

Map Title	Source	Site and Surrounding Property Features
Natural Heritage Information Centre	Ministry of Natural Resources, 2021	<ul style="list-style-type: none"> There are no wetlands within the Phase One Study Area. There are no Areas of Natural and Scientific Interest (ANSIs) within the Phase One Study Area.
Ontario Geological Survey Bedrock Geology of Ontario	Ministry of Northern Development and Mines, 2011	<ul style="list-style-type: none"> The bedrock geology in the area of the Site consists of shale, limestone, dolostone, and siltstone of the Georgian Bay formation, Blue Mountain formation, and Billings formation.
OGS Earth Surficial Geology of Southern Ontario	Ministry of Northern Development and Mines, 2010	<ul style="list-style-type: none"> The Site consists of fine-textured glaciomarine deposits of well-laminated silt and clay from the Pleistocene era.

The following information was gleaned from review of the DST Phase Two ESA report, which is summarized in Section 3.1.5:

- Soil at the Site consisted of sandy silt till overlain by 1.8m to 2.4m of sand & silt fill;
- Bedrock was encountered at a depth of 4.2m to 5.4m, and
- Ground water was measured at depths ranging from 0.45m to 3.82m.

3.3.3 Fill Materials

No evidence of imported fill materials was reported in the environmental records.

3.3.4 Water Bodies and Areas of Natural Significance

There are no water bodies within the Phase One Study Area. The closest waterbody to the Site is Sawmill Creek, approximately 1.8 km north-west of the Site. There are no areas of natural significance (ANSI) or wellhead protection areas in the Phase One Study Area.

3.3.5 Well Records

An online search of MECP well records was completed by Englobe, as well as the database search completed by ERIS for Water Well Information System (WWIS). One (1) water well record was identified on the Site, and seven (7) well records were identified within the Phase One Study Area.

The well record on the Site was listed as monitoring well decommissioning. The well record on the Site is in a historically identified APEC area (Terra, 1996), and assumed to be used for monitoring and testing. The well was decommissioned in July 2009.

Well records located at properties to the south, west, and north list several domestic use water wells, drilled between 1952 and 1954. One (1) of the records indicate that no water was found at depths of up to 52 mbgs (north of the Site). There are no records of decommissioning for any of the domestic use water wells.

A Phase Two ESA, prepared by DST Consulting Engineers Inc. in 2015, resulted in four (4) monitoring wells being installed on the Site for environmental sampling purposes. There are no records of decommissioning for these monitoring wells listed.

3.4 Site Operating Records

No Site Operating Records were provided to Englobe for review.

4 Interviews

Interviews of public and government agencies regarding specific details of properties are handled through FOI requests due to privacy legislation. The details of these information requests are provided above in Sections 3.2.2 through 3.2.6.

Englobe conducted an interview via email on December 9, 2021, with Sharon Lithwick, the Client representative for the Site. The information provided to Englobe during the interview is incorporated into the appropriate Site reconnaissance sections of the report.

A copy of the interview response is included in Appendix D.

5 Site Reconnaissance

5.1 General Requirements

The findings documented in this section are based on observations made by Englobe, at the time of the Site reconnaissance. The exterior Site reconnaissance was performed by Mr. Andrew Couturier in the early afternoon of November 4th, 2021 over a period of four hours, during which the conditions were cloudy with a temperature of approximately 5°C. The interior Site reconnaissance was performed by Mr. Andrew Couturier during the day of November 5th, 2021 over a period of three hours, during which the conditions were cloudy with a temperature of approximately 9 °C. The facility was not operating at the time of the Site visit.

The findings documented in this section are based on observations made by Englobe at the time of the Site reconnaissance. Select photographs taken during the Site reconnaissance are included in Appendix B. The Qualifications of the Assessor are included in Section 9.0.

5.2 Specific Observations at the Phase One Property

5.2.1 Description of Structures and other Improvements

The Site is located at the municipal address of 1495 Heron Road, and is developed with twelve (12) buildings, ranging in size from one (1) to six (6) storeys high. Based on the Records Review (see Section 3 of this report), the Site buildings were constructed in the mid to late 1960s (the 1965 aerial photograph shows the Site in development, and the 1976 aerial photograph shows the Site developed

with the Site buildings in their present configuration). The buildings are generally brick and concrete block construction, with the exception of Building M, which is a concrete and sheet metal construction.

Building	Approximate Footprint (m ²)
Building A	1,050
Building B	750
Building C	475
Building D	800
Building E	550
Building F	575
Building H	150
Building I	300
Building J	900
Building K	350
Building L	550
Building M	2,300
Building N	750

Besides the Site buildings, most of the Site includes asphalt paved parking and driving areas with vegetated areas at the north, south and west sides of the Site. The Site is accessed via Heron Road.

Englobe was unable to access the interior of Building N during the survey, as it is currently under separate ownership and operation. As such, interior descriptions below are not applicable to Building N.

5.2.2 Description of Below-Ground Structures

All site buildings except Building M are developed with basements. Below-ground utility tunnels were observed connecting several buildings on Site. Further, a below-ground tunnel connects Buildings A, E, and J for underground travel and utility servicing.

5.2.3 Details of Tanks

According to Englobe's records review, there were records of an underground storage tanks (UST) in the northern portion of the Site. The tank was confirmed removed, and the Phase Two ESA completed by DST Consulting Engineers Inc. in 2015 did not identify any UST-related impacts to the soil or groundwater quality in excess of the applicable MECP site condition standards.

Englobe observed one (1) hydraulic oil AST within the elevator room of Building A. The storage tank was confirmed to have been drained, with no bulk storage of hydraulic oil remaining. Englobe did not observe any other storage tanks on the Phase One Subject Property.

5.2.4 Potable and Non-Potable Water Sources

The Site is serviced by municipal water supplied by the City of Ottawa.

5.2.5 Underground Utilities and Service Corridors

The Site is serviced by underground utilities including municipal sewer, water, and natural gas. Other underground services include electricity, telephone, and hot water conduits from the main mechanical room in Building A.

5.2.6 Features of Structures and Buildings

Entry and Exit Points

There is one entrance (driveway) to the Site from Heron Road, from the south. Each Site structure appears to have multiple entry and exit points. Some of the structures are linked via below-ground and above-ground walkways.

Heating and Cooling Systems

The Site buildings at 1495 Heron Road are heated by boilers and cooled by heating, ventilation and air conditioning (HVAC) units, as well as portable window air conditioners in select locations. Rooftop and ground-level HVAC units were observed.

Drains, Pits and Sumps

Sumps were observed within Buildings A, H, I, L, and J during the Site reconnaissance. Elevator pits were observed within Buildings C, I, K, and L.

Chemical Storage

Minor quantities of chemicals were observed on Site during the Site reconnaissance, including commercial cleaning and maintenance chemicals. No evidence of spills or stains were observed in the vicinity of any chemical storage areas.

Waste Removal

There is no current waste generation or removal from the Site. An enclosure, assumed at one time to contain a dumpster, was observed between Buildings M and B.

Stains or Corrosion

There was minor staining observed in the exterior areas of the Site, in the asphalt paved parking areas, likely due to fluids from parked vehicles. However, this is not anticipated to be an environmental concern.

5.2.7 Wells

There were three (3) monitoring wells observed on the Site exterior and one (1) monitoring well observed within Building A during the Site reconnaissance. These monitoring wells were installed during the DST Phase Two ESA in 2015 (see Section 3.1.5).

5.2.8 Ground Surface

The floor surfaces within the Site buildings were furnished with a mixture of terrazzo, vinyl flooring, linoleum and carpet. Most of the eastern exterior portion of the Site was an asphalt-paved parking and driving area. Additional driveways and walkways were observed throughout the Site. The northern section, and spaces between the structures, are generally vegetated with some concrete walkways.

5.2.9 Railway Lines or Spurs

No railway spurs or lines were observed on-Site or within the Phase One Study Area.

5.2.10 Stained Soil and Stressed Vegetation

There was no obvious visual evidence of stained soil or stressed vegetation at the time of the Site reconnaissance.

5.2.11 Fill and Debris

There was no evidence of imported fill or major debris observed during the Site reconnaissance.

5.2.12 Hazardous Materials

Eleven designated substances are regulated by the Ministry of Labour (MOL) under the Occupational Health and Safety Act (OHSA) through the development of designated substance regulations that control worker exposure to designated substances. The designated substances identified in OHSA include *asbestos, vinyl chloride, arsenic, benzene, lead, coke oven emissions, ethylene oxide, acrylonitrile, mercury, isocyanates, and silica*. Guidelines have been developed for building projects such as renovations, construction, and demolition where designated substances may be disturbed. The following sections address Special Attention Items such as lead and/or lead based paints, mercury, asbestos containing materials (ACMs), and silica, and their potential presence within the Site building.

Lead and/or Lead-Containing Paint

Lead may be present in a variety of building materials and is commonly associated with paints, solder material, pipe plumbing, ceramic tile glazing and mechanical equipment due to its ability to resist corrosion. Exposure to lead may cause lead poisoning and is considered to be a human health risk. The historic use of lead-containing paints (LCPs) is a source of exposure through ingesting peeling or flaking paints, and/or routine contact with painted surfaces containing lead. Regulations have been established that limit worker exposure to lead, and guidelines have been published with work procedures to be followed when performing work that generates airborne lead containing dust.

Due to the inferred construction date of the Site buildings (late 1960s to 1975), lead-based paint and other lead-based materials may have been utilized in the Site buildings. This Phase One ESA was completed concurrently with a designated substances & hazardous materials survey (DSHMS). As part of the DSHMS, Lead containing materials were confirmed within the property buildings.

Mercury

Liquid mercury is commonly associated with mechanical equipment such as thermostats, thermometers, barometers, pressure gauges, and electrical switches. A small amount of mercury is present in fluorescent light tubes and compact fluorescent light bulbs. Removal of materials suspected to contain mercury should be conducted in accordance with “The Safe Handling of Mercury: A Guide for the Construction Industry”.

Fluorescent light tubes suspected of containing mercury were observed within the Site buildings during the Site reconnaissance.

Asbestos Containing Materials

Asbestos is a naturally occurring fibrous mineral which has been widely used historically due to physical properties that, amongst other things, allow asbestos to withstand high temperatures. Asbestos has been used in a number of building products including, but not limited to: thermal and electrical insulation, floor and ceiling tiles, plaster and drywall joint compound.

At the time of the Site reconnaissance, additional suspect friable and non-friable ACMs were observed at the Site. This Phase One ESA was completed concurrently with a DSHMS. As part of the DSHMS, asbestos-containing materials were confirmed within the property buildings.

Urea Formaldehyde Foam Insulation

Based on the inferred date of construction of the Site buildings (late 1960s to 1975), urea formaldehyde foam insulation (UFFI) may have been used. UFFI was banned in Canada in 1980. There was no apparent visual evidence of such use within the Site building.

Silica

Silica is a naturally occurring mineral found in a variety of construction materials and is commonly associated with manufactured concrete products, ceramic tiles, mortar, and products in the electronics industry.

Many building materials within the Site buildings are expected to contain silica, such as, but not limited to, concrete foundations, block walls and tiled floors.

Polychlorinated Biphenyls

In 1977, the Canadian government enacted a set of chlorobiphenyls regulations which limited the use of polychlorinated biphenyls (PCBs). As such, the only allowable use of PCBs in Canada is in electrical transformers and capacitors existing in Canada before July 1, 1980, and certain other “closed use” equipment (specifically heat transfer equipment, hydraulic equipment and vapour diffusion pumps) that were in Canada before September 1, 1977 (Hilborn and Buccini, 1998).

PCBs are also commonly found within electrical ballasts manufactured prior to 1981, within fluorescent light fixtures and high intensity discharge (HID) lamps. Light fixtures with T12 lamps are more likely to contain ballasts that were manufactured prior to 1981. T8 lamps are associated with light fixtures that were manufactured after the phase-out of PCB-containing ballasts. The letter “T” denotes the shape of the light fixture (e.g. tubular) and the number which follows indicates the diameter in eighths of an inch.

T12 fluorescent light tubes were observed at the Site at the time of the Site reconnaissance.

Ozone Depleting Substances

Canada signed the Montreal Protocol on September 16, 1987 which controlled the use of Ozone Depleting Substances (ODSs) and banned over 100 ODSs grouped into the following categories: chlorofluorocarbons (CFCs); halons; carbon tetrachloride (CTC); hydrochlorofluorocarbons (HCFC); methyl chloroform; and methyl bromide. ODSs can be found in older refrigerating and air conditioning equipment.

During the Site reconnaissance, equipment suspected of containing ODSs (including air conditioners and fridges) were observed.

Mould

Visual evidence of minor mould accumulation was observed within select areas of the Site buildings.

5.2.13 Potentially Contaminating Activities

In accordance with the definitions within O. Reg. 153/04 (as amended) Schedule D (Table 2, Phase One ESAs), there were no potentially contaminating activities (PCAs) observed during the Site reconnaissance.

5.2.14 Unidentified Substances

No unidentified substances were observed at the Site at the time of the Site reconnaissance.

6 Review and Evaluation

6.1 Current and Past Uses

Based on a review of the aerial photographs, city directories, and previous reports, the Site was first developed in/around 1963. The 1965 aerial photograph shows the Site in development, and the 1976 aerial photograph shows the Site developed with the Site buildings in their present configuration. According to the available city directories, and observations at the time of the Site reconnaissance, the Site has been used for various institutional uses from the time of its first development to the present, including educational and office facilities.

Table 6.1 Table of current and past uses.

Year	Name of Owner	Description of Property Use	Property Use ¹	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
1495 Heron Road, Ottawa, ON				
1911	Crown / Sarah McKenzie	Undeveloped Vacant Land	Agricultural or Other Use	The Chain of Title indicates that the Site was patented (Crown to Sarah McKenzie) and the deed transferred (from Sarah McKenzie) to Greater Ottawa Development Company Limited on the same day (30/01/1911). As such, it is believed that Sarah McKenzie was administrative and did not own the property.
1911	Greater Ottawa Development Company Limited	Undeveloped Vacant Land	Agricultural or Other Use	No records are available to indicate property use.
1938	John James Heron	Undeveloped Vacant Land	Agricultural or Other Use	No records are available to indicate property use.
1959	The Board of Trustees of the Roman Catholic Separate School Board	Undeveloped Vacant Land	Agricultural or Other Use	The 1945 and 1956 Aerial Photographs indicate the Site was not developed and may have been used for agricultural purposes.
1969	Notre Dame Convent Ottawa	Development of buildings for religious use	Institutional Use	The 1965 aerial photograph shows the Site in development, with several buildings present.
1973	Her Majesty the Queen in Right of Canada	Government Offices	Commercial Use	The 1976 aerial photograph shows the Site in its current configuration (excluding Building M). Starting in 1974, City Directory records indicate the facility housed government facilities, including the Ministry of Transportation (Commercial Use). Based on the

Year	Name of Owner	Description of Property Use	Property Use ¹	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
				City Directory from 1984, the Site was used for the Federal Study Centre.
2003	Her Majesty the Queen in Right of Canada	Government-operated Education Institute	Institutional Use	Government archives indicate that in 2003, the Site was used as the Canadian Emergency Preparedness College (Renamed to the Canadian Emergency Management College in 2006) until it's closure in 2012.
2020	Canada Lands Company CLC Limited	Institutional (not in use)	Institutional Use	CLC Limited confirmed the Site was unoccupied at the time of transfer.

Note: The separation of portions of the Site in 1996 and 2016 have not been included in this table as they do not reflect the current Phase One Property.

6.2 Potentially Contaminating Activities

6.2.1 Potentially Contaminating Activities at the Phase One Property

The following table summarizes the potentially contaminating activities (PCAs) identified within the Phase One study area during the records review.

Potentially Contaminating Activities

PCA No.	Potentially Contaminating Activity	Approximate Distance from Site	Contaminants of Potential Concern (COPCs)
PCA 1	28 - Gasoline and Associated products Storage in Fixed Tanks. One (1) UST was historically identified on the Phase One subject property.	On-Site	PHCs BTEX
PCA 2	Former leakage of the Hydraulic Elevator in Building A.	On-Site	PHCs BTEX
PCA 3	8 - Chemical Manufacturing, Processing and Bulk Storage Three (3) waste generators. The wastes included: -Paints/Pigments/Coating Residues - Alkaline Waste - Reactive Anion Wastes; - Inorganic Laboratory Chemicals; - Organic Laboratory Chemicals - PCBs - Aromatic Solvents;	On-Site	PHCs, BTEX PAHs, VOCs, PCBs ABNs, CPs, PCDDs/PCDFs and OCs

PCA No.	Potentially Contaminating Activity	Approximate Distance from Site	Contaminants of Potential Concern (COPCs)
	<ul style="list-style-type: none"> - Aliphatic Solvents; - Petroleum Distillates; - Halogenated Pesticides, - Oil Skimming & Sludges; - Waste Oils & Lubricants; - Waste Compressed Gases 		
PCA 4	<p>8 - Chemical Manufacturing, Processing and Bulk Storage One (1) waste generator. The wastes included:</p> <ul style="list-style-type: none"> -Paints/Pigments/Coating Residues - Inorganic Laboratory Chemicals; - Organic Laboratory Chemicals - PCBs - Petroleum Distillates; - Waste Oils & Lubricants; - Waste Compressed Gases 	West Adjacent Property	PHCs, BTEX PAHs, VOCs, PCBs ABNs, and CPs
PCA 5	One (1) Ontario Spills (SPL) record indicates that an unknown quantity of hydrocarbons was released into the sewers in March 2012	180m south of the Site	PHCs BTEX
PCA 6	Five (5) records from the City of Ottawa HLUI identify the historical presence of USTs within the Phase One Study Area.	Various to the South and Southwest.	PHCs BTEX VOCs

Notes:

BTEX- Benzene, Toluene, Ethylbenzene, Xylenes
 PHCs- Petroleum Hydrocarbons (F1-F4)
 PAHs- Polycyclic Aromatic Hydrocarbons
 VOCs- Volatile Organic Compounds
 PCBs- Polychlorinated Biphenyls
 ABNs- Acid Base Neutral Compounds
 CPs- Chlorophenols
 PCDDs/PCDFs- Dibenzo-p-Dioxins/Dibenzofurans
 OCs- Organochlorine Pesticides

PCA 1:

As noted in section 3.1.5, DST conducted a soil and groundwater monitoring program in the reported area of the former fuel oil UST in 2015. The results of the groundwater samples collected by DST meet the currently applicable MECP Table 3 standards for the Site. Therefore, further investigation in the former UST area is not warranted.

PCA 2

As noted in section 3.1.5, DST conducted a soil and groundwater monitoring program in the reported area of the reported sump pit contamination in 2015. The results of the groundwater samples collected by DST meet the currently applicable MECP Table 3 standards for the Site. Therefore, further investigation in the sump pit area is not warranted.

PCA 3

Based on the records review, there are no records to indicate spills or environmental releases. As such, there is nothing to indicate an anticipated environmental impact from the wastes generated.

PCA 4

Based on the records review, there are no records to indicate spills or environmental releases. As such, there is no anticipated environmental impact from the wastes generated.

PCA 5

As noted in section 3.1.5, DST conducted a soil and groundwater monitoring program within the Site boundary in 2015. The results of the groundwater samples collected by DST met the applicable MOE Table 3 standards for the Site. As such, there is no anticipated environmental impact to the Site from this event.

PCA 6

As the presence of former USTs within the Phase One Study Area, including a former UST On-Site, have not been previously identified or investigated, this poses a potential environmental concern to the Site.

6.3 Areas of Potential Environmental Concern (APECs)

Based on the findings of this Phase One ESA, there was one areas of potential environmental concern (APECs) on the Phase One property:

APEC	Location of APEC	Potentially Contaminating Activity	Contaminants of Potential Concern (COPCs)	Media Potentially Impacted
APEC 1 Former USTs were identified at 1495 Heron Road, 1480 Heron Road, 1440 Heron Road, and 2810 Baycrest Drive	Southwest perimeter of the Site.	28 – Gasoline and Associated Products Stored in Fixed Tanks	PHCs BTEX VOCs	Soil & Groundwater

Based on information gleaned from review of the DST Phase II ESA report (summarized in Section 3.1.5), adequate environmental investigation has been historically performed to address PCAs 1 - 5 discussed in Section 6.2.1.

6.4 Phase One Conceptual Site Model

The illustrative requirements, according to O. Reg. 153/04, of the Phase One Conceptual Site Model (CSM) are shown on Figures 2 and 3 provided in Appendix A. These figures include: the location of the existing buildings at the Site and in the Phase One Study Area; the roads, including names, within the Phase One Study Area; and uses of properties adjacent to the Site.

The topography of the Site was analyzed using maps and information provided by Ontario Base Maps ordered through ERIS and geoOttawa. The ground surface elevation for the Site is between 92 and 98 metres above mean sea level (m.a.s.l.), and the regional topography appears to slope in a southern direction. Based on visual observations during the Site visit, the Site and surrounding areas are generally flat with a gentle slope downwards towards the south.

There are no surface water bodies in the Phase One Study Area. The closest major surface water body to the Site is Sawmill Creek, located approximately 1.8 km north-west of the Site. Based on the regional topography and location of the nearest surface water body, the inferred direction of the regional shallow horizontal groundwater flow is to the north-west. Depending on climate conditions and the amount of surface water available, ditching, underground services, and ground surface may affect the shallow groundwater flow on a local level.

Underground utilities at the Site generally consist of storm and sanitary sewers with catch basins and manholes within the paved parking and driving areas of the Site. It is not anticipated that underground utilities are present near the groundwater table, and therefore it is unlikely that underground utilities will affect contaminant distribution and transport.

The geological maps reviewed indicate that the Phase One Study Area is underlain by shale, limestone, dolostone, and siltstone of the Georgian Bay, Blue Mountain, and Billings Formations (OGS, 2011). The surficial geology mapped according to the Ontario Geological Survey (OGS) Earth Surficial Geology of Southern Ontario (OGS, 2010) indicates that Site consists of fine-textured glaciomarine deposits from the Pleistocene era. Additionally, borehole data obtained from a well record for one monitoring well on-Site indicated the following stratigraphy:

- Topsoil from ground surface to approximately 0.05 m below ground surface (bgs);
- Brown silty sand from approximately 0.05 m bgs to 1.81 m bgs;
- Silty till with trace sand from approximately 1.81 m bgs to 4.25 m bgs; and
- Shale bedrock from approximately 4.25 m bgs to the end of the borehole at 4.6m bgs;

No shallow aquifer groundwater level details were specified within the well records reviewed.

Issues relating to uncertainty of absence of information were not significantly encountered during the completion of the Phase One ESA, and therefore it is not anticipated that uncertainty or absence of information will affect the validity of this Phase One CSM.

7 Conclusion and Recommendations

An evaluation of actual and potential contamination was completed on the Site and properties within 250 m of its boundaries during this Phase One ESA. The information evaluated to identify PCAs and to determine APECs on the Site included record searches, a Site reconnaissance, and interviews with people knowledgeable about the property.

In March of 2015, DST Consulting Engineers Inc. completed a Phase Two ESA at the Phase One property in order to address the area of potential environmental concern (APEC), associated with the former fuel oil UST and Building A hydraulic elevator leakage, as identified by the Phase One ESA completed by DST Consulting Engineers Inc. The Phase Two ESA consisted of the advancement of three boreholes in the area of the former UST, and one borehole in the room behind the Building A hydraulic elevator. Select soil samples, collected during borehole drilling, and groundwater from installed monitoring wells, were submitted for laboratory analysis of petroleum hydrocarbon fractions F1 - F4 (PHC F1 - F4) and benzene, toluene, ethylbenzene and xylenes (BTEX).

Analytical results of the laboratory-submitted soil and groundwater samples were in compliance with the applicable Ontario Regulation 153/04 Table 3 standards. No impacts to the soil or groundwater quality were identified in the area of the former UST or hydraulic oil leak.

Records obtained from the City of Ottawa HLUI indicated the historical presence of five (5) USTs within the Phase One Study Area, including a UST with a capacity of 45,400 (no unit given) at the Notre Dame Junior High School, located at 1495 Heron Road. It is indicated that the UST was installed in 1965. It was noted that TSSA and ERIS records searches did not return any records for these USTs.

7.1 Requirement for Further Investigation

Based on the information obtained as part of this Phase One ESA, one (1) APEC was identified at the Site resulting from historical PCAs identified on the Phase One Property and surrounding properties within the Phase One Study Area. Therefore, a Phase Two ESA will be required in order to assess the environmental quality of the soil and groundwater on the southwestern section of the Phase One Property.

7.2 Record of Site Condition based on Phase One Alone

Since APECs were identified at the Phase One Property, a Phase Two ESA will be required and is recommended to be conducted in order to assess the environmental quality of the soil and groundwater on the Phase One Property. Therefore, an RSC cannot be filed based on the Phase One ESA alone.

8 Closure

This report was prepared for the exclusive use of Canada Lands Company CLC Limited. Any use of this report by any third party, or any reliance on or decisions to be made based on it, are the responsibility of such parties. Englobe accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report. Full Report Limitations are included in Section 10 of this report.

We trust the information herein meets your present requirements. Should you have any questions, please do not hesitate to contact us.

9 Qualifications of Assessors

Andrew Couturier, B.Sc., C.E.T., EP is a Project Manager with Englobe. Andrew Couturier has over 5 years of experience in the environmental industry. He has a Bachelor of Science in Environmental Practice from Royal Roads University and an Environmental Technician with Distinction diploma from St. Lawrence College. He is an Environmental Professional (EP) specializing in Site Assessment & Reclamation and is a Certified Engineering Technologist (C.E.T). He has a wide range of professional experience in environmental, hazardous materials, and building demolition engineering. He has been involved in several types of environmental projects, including Phase One and Phase Two environmental site assessments under Ontario Provincial Standards in accordance with both CSA Standards and Ontario Regulations, conducting soil, groundwater, and surface water sampling, overseeing building demolition operations, conducting storage tank compliance audits, and evaluating structures for designated substances and hazardous materials, including PCBs, mould, and radioactivity.

Andrew Naoum, P. Eng., QP_{ESA} (Ont) is a Senior Director with Englobe with 14 years of experience in environmental field studies including all Phases for ESAs, risk assessment field work, site remediation, specifications and tender documents, site supervision, audit management/remediation environmental compliance audits. He has managed teams of engineers and professionals in environmental, geotechnical, civil and structural engineering. In addition, Mr. Naoum has been involved in providing independent peer review services to major site remediation projects, expert witness on numerous litigation cases related to environmental forensic investigations and building construction. He is a designated “Qualified Person” as defined under O.Reg. 153/04.

10 References

- AMEC Earth & Environmental. April 2009. "Groundwater Monitoring Program - Federal Study Centre, DFRP #30919 - 1495 Heron Road, Ottawa, Ontario". Reference No. TZ91006.7.
- AMEC Earth & Environmental. July 28, 2009. "Groundwater Monitoring Well Decommissioning - Federal Study Centre, DFRP #30919 - 1495 Heron Road, Ottawa, Ontario". Reference No. TZ91006.7.
- Canadian Standards Association, 2001. Phase One Environmental Site Assessment, Z768-01 (reaffirmed 2016).
- City of Ottawa, 2008. Zoning By-law 2008-250 Consolidation, Part 7, Sections 169 and 170. Available from: <https://ottawa.ca/en/living-ottawa/laws-licences-and-permits/laws/law-z/planning-development-and-construction/maps-and-zoning/zoning-law-no-2008-250/zoning-law-2008-250-consolidation/part-7-institutional-zones-sections-169-172#i1-minor-institutional-zone-sections-169-and-170>
- DST Consulting Engineers Inc. December 2014. "Phase One Environmental Site Assessment, 1495 Heron Road, Ottawa, Ontario". Reference No. OE-OT-019917.
- DST Consulting Engineers Inc. March 2015. "Phase Two Environmental Site Assessment, 1495 Heron Road, Ottawa, Ontario". Reference No. OE-OT-019917.
- Environmental Risk Information Services, October 27, 2021. Heron Road Demo, 1495 Heron Road, Ottawa, ON, K1B 9V1. Report Type: Historical Aerials. Order Number: 21102600510.
- Environmental Risk Information Services, October 29, 2021. Heron Road Demo, 1495 Heron Road, Ottawa, ON, K1B 9V1. Report Type: Standard Report. Order Number: 21102600510.
- Environmental Risk Information Services, November 3, 2021. 1495 Heron Road, Ottawa, ON,. Report Type: City Directory. Order Number: 21102600510
- geoOttawa, City of Ottawa, © Teranet Enterprises Inc., 2021. Available from: <http://maps.ottawa.ca/geoOttawa> [Accessed November 2021]
- Golder Associates, October 2004. "Old Landfill Management Strategy, Phase 1 - Identification of Sites, City of Ottawa, Ontario". Reference No. 021-2785
- Greenough Environmental Consulting Inc. October 2007. "Asbestos Assessment to meet Ontario Regulation 278/05, Federal Study Centre, 1495 Heron Road, Ottawa, Ontario". Project No. 23740.
- INTERA Engineering Ltd. March 2002. "CCME Phase II/III Environmental Site Assessment and Associated Activities - Federal Study Centre, Ottawa, Ontario DFRP # 30919". Reference No. 01-244-1.
- Intera Technologies Ltd. 1987. Inventory of Coal Gasification Plant Waste Sites in Ontario - Volume II
- Intera Technologies Ltd. 1988. Mapping and Assessment of Former Industrial Sites, City of Ottawa.
- Ministry of Natural Resources, 2019. *Natural Heritage Information Centre*. Available from: http://www.gisapplication.lrc.gov.on.ca/mamnh/Index.html?site=MNR_NHLUPS_NaturalHeritage&viewer=NaturalHeritage&locale=en-US [Accessed November 2021].

- Ontario Land Registry Access, Ontario. © Teranet Enterprises Inc., 2022. Available from: <https://www.onland.ca/ui/> [Accessed December 2021]
- Ontario Ministry of Environment and Energy, 1992. Ontario Inventory of PCB Storage Sites, October 1991.
- Ontario Ministry of Environment and Energy, 1995. Ontario Inventory of PCB Storage Sites, April 1995.
- Ontario Ministry of Northern Development and Mines, 2014a. OGS Earth Bedrock Geology. Available from :<http://www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth>.
- Ontario Ministry of Northern Development and Mines, 2014b. OGS Earth Quaternary Geology. Available from :<http://www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth>.
- Ontario Ministry of Northern Development and Mines, 2011. Ontario Geological Survey (OGS) Bedrock Geology of Ontario. Google Earth files available for download from: <https://www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth> [Accessed November 2021].
- Ontario Ministry of Northern Development and Mines, 2010. OGS Surficial Geology of Southern Ontario. Google Earth files available for download from: <https://www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth> [Accessed November 2021].
- Opta Information Intelligence, an SCM Company. Enviroscan for 1495 Heron Road, Ottawa, Ontario. Opta Order ID: 99137. November 2, 2021.
- Public Safety Canada, 2015. ARCHIVE - Canadian Emergency Management College History. Retrieved from <https://www.publicsafety.gc.ca/cnt/mrgnc-mngmnt/mrgnc-prprdncs/archive-cndn-mrgnc-mngmnt-cllg-hstry-en.aspx>
- Public Safety Canada, 2015. Emergency Management Training. Retrieved from <https://www.publicsafety.gc.ca/cnt/mrgnc-mngmnt/mrgnc-prprdncs/mrgnc-mngmnt-trrng-en.aspx>
- Terra Solutions Inc. March 1996. "Phase One Environmental Site Assessment of Federal Study Centre". Reference No. 96-505.2

11 Statement of Limitations

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The conclusions presented herein are based on information gathered from a limited historical review of readily available geological, historical, and regulatory information and a field inspection program. Sampling and analysis of soil, ground water, or any other material was not carried out as part of this assessment. Consequently, the presence and/or extent of any adverse environmental impact cannot be verified. The potential for environmental liability and/or environmental impact is an opinion that has been arrived at within the scope of this assessment.

Any results from laboratory or other subcontractors reported herein have been carried out by others, and the Company cannot warrant their accuracy

This Statement of Limitations forms an integral part of the Report

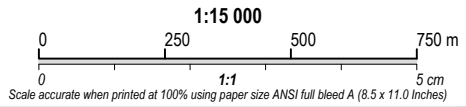
Appendix A

Figures





Source:
Bing Maps 2022



Note

1. This drawing shall be read in conjunction with the associated technical report.

A	2022/04/25	Final	AC
Revision	Date	Issue	Approval

Client Canada Lands Company CLC Limited		Site 1495 Heron Road, Ottawa, ON	
	Report Title Phase One Environmental Site Assessment 1495 Heron Road, Ottawa, ON	Designed By AC	Date November 2022
	Drawing Title Site Location Map	Drawn By JM	Project No. 02111459.000
		Approved By AC	Figure No. 1
		Scale As shown	

Drawing: 1 Site Location.dwg Folder: D:\Joven OneDrive\OneDrive - Englobe Corp\Work\0211459 Heron Rd\2021 Phase I ESAD\DWG Monday, April 25, 2022 @ 14:04 by Joven Merdoza

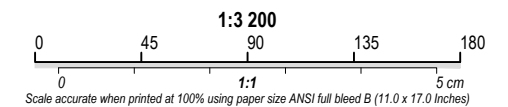


PCA #	Description
1	Gasoline and Associated Products in Fixed Tanks
2	Hydraulic Oil Leak
3	Waste Generator
4	Waste Generator
5	Hydrocarbon Spill
6	USTs Historical



Note
 1. This drawing shall be read in conjunction with the associated technical report.

Legend
 — Approximate property limits
 - - - Phase one study area - 250 m buffer
 PCA Potentially Contaminating Activity



Revision	Date	Issue	Approval
A	2022/04/25	Final	AC

Client
Canada Lands Company CLC Limited

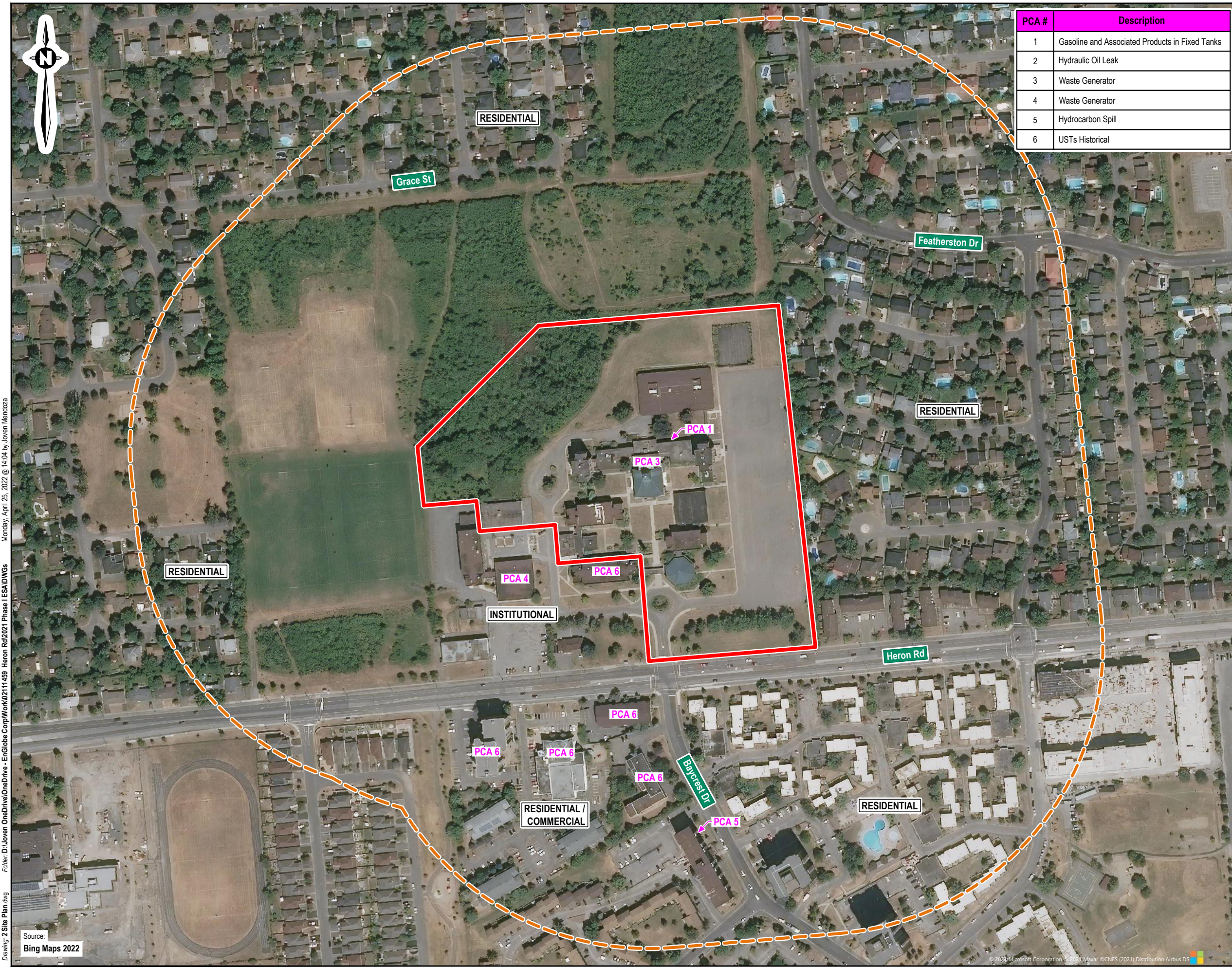
Site
1495 Heron Road, Ottawa, ON

Report Title
**Phase One Environmental Site Assessment
 1495 Heron Road, Ottawa, ON**

Drawing Title
Study Area and Potentially Contaminating Activities (PCAs)

Designed By	AC	Scale	As shown
Drawn By	JM	Date	November 2022
Approved By	AC	Project No.	02111459.000

Figure No. **2**



Drawing: 2 Site Plan.dwg Folder: D:\Joven OneDrive\OneDrive - Englobe Corp\Work\02111459 Heron Rd\02021 Phase I ESA\DWGs Monday, April 25, 2022 @ 14:04 by Joven Mendoza

Source:
 Bing Maps 2022



Note

1. This drawing shall be read in conjunction with the associated technical report.

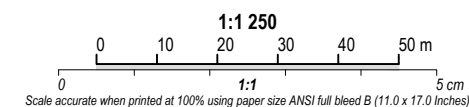
Legend

- Approximate property limits
- APEC
- Approximate location of existing monitoring well (DST, 2015)

SUSPECTED FORMER UST LOCATION

BHWW15-4
BHWW15-3
BHWW15-2
BHWW15-1

M
B
C
A
D
E
F
H
I
J
K
L



A	2022/04/25	Final	AC
Revision	Date	Issue	Approval

Client
Canada Lands Company CLC Limited

Site
1495 Heron Road, Ottawa, ON

Report Title
**Phase One Environmental Site Assessment
1495 Heron Road, Ottawa, ON**

Drawing Title
**Site Plan and Area of Potential
Environmental Concern (APEC)**

Designed By
AC Scale
As shown

Drawn By
JM Date
November 2022

Approved By
AC Project No.
02111459.000

Figure No.
3

Drawing: 3 Site Plan.dwg Folder: D:\Joven OneDrive\OneDrive - Englobe Corp\Work\02111459 Heron Rd\02021 Phase I ESA\DWG Monday, April 25, 2022 @ 14:04 by Joven Mendoza

Source:
Bing Maps 2022

**TOPOGRAPHIC PLAN OF
PART OF LOT 20
JUNCTION GORE**
(GEOGRAPHIC TOWNSHIP OF GLOUCESTER)
CITY OF OTTAWA

Scale 1:400
Stantec Geomatics Ltd.
ONTARIO LAND SURVEYORS

BOUNDARY NOTE
BOUNDARY NETWORK AND INFORMATION IS COMPILED FROM PLANS 48-68 AND 48-127 AND IS NOT BASED ON ACTUAL SURVEY.

ELEVATION NOTE
ELEVATIONS SHOWN HEREON ARE GEODETIC (CGVD 1928-1978) AND ARE DERIVED FROM THE CANADIAN NETWORK ADJUSTMENT: OTTAWA ELEVATION 220.

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

BEARING NOTE
BEARINGS ARE GEODETIC AND ARE DERIVED FROM I.S.C.M. MONUMENT NO. 13-3846 IN 502555 OF E. 371002 (20) AND 30315 IN 502555 (21). E. 071268 (4) AND ARE REFERRED TO THE CENTRAL MERIDIAN OF ZONE 9 OF THE ONTARIO COORDINATE SYSTEM, LONGITUDE 78°30'W.

LEGEND

SYMBOL	DENOTES	FOUND MONUMENTS
■	SET	FOUND MONUMENTS
□	IRON BAR	IRON BAR
○	ROUND IRON BAR	ROUND IRON BAR
⊕	STANDARD IRON BAR	STANDARD IRON BAR
⊗	SHORT STANDARD IRON BAR	SHORT STANDARD IRON BAR
⊙	CONCRETE PIN	CONCRETE PIN
⊚	WITNESS	WITNESS
⊛	PROPERTY IDENTIFICATION NUMBER	PROPERTY IDENTIFICATION NUMBER
⊜	MEASURED	MEASURED
⊝	PROPORTIONED	PROPORTIONED
⊞	ORIGIN UNKNOWN	ORIGIN UNKNOWN
⊟	STANTEC	STANTEC GEOMATICS LTD.
⊠	PLAN 48-1179	PLAN 48-1179
⊡	ARE CONFORMING UNIT	ARE CONFORMING UNIT
⊢	ANCHOR	ANCHOR
⊣	ARE TAMP	ARE TAMP
⊤	ANTENNA	ANTENNA
⊥	HOE BAR	HOE BAR
⊦	BACKSIGHT	BACKSIGHT
⊧	BENCH	BENCH
⊨	BENCH	BENCH
⊩	BOULDER	BOULDER
⊪	CATCH BASIN	CATCH BASIN
⊫	DOUBLE CE	DOUBLE CE
⊬	CE MANHOLE	CE MANHOLE
⊭	CE MANHOLE	CE MANHOLE
⊮	DOUBLE CE MANHOLE	DOUBLE CE MANHOLE
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Appendix B

Site Photographs





Photograph 1: View of the east facing Site buildings, including Buildings E, D, and C (left to right, facing southwest)



Photograph 2: View of the south facing Site buildings, including Buildings E, and F (left to right, facing north east).



Photograph 3: View of the western portion of the Site, including Buildings K, J, and I (left to right, facing south).



Photograph 4: View of the rear of Building A of the Site, facing south. Rooftop mechanical equipment is present on top of the building.



Photograph 5: View of a northern side of Building B. Three (3) monitoring wells, installed by DST in 2015, can be seen (facing south).



Photograph 6: View of Building M, at the north end of the complex (facing north-west).



Photograph 7: Natural gas enclosure, observed between Buildings B and M. Site utilities are present underground, throughout the complex.



Photograph 8: View of the mechanical room within Building A.



Photograph 9: View of miscellaneous stored chemicals, observed within the basement of Building A.



Photograph 10: View of a utility tunnel between two buildings within the complex (July 2019).



Photograph 11: View of the east adjacent residential properties, facing east.



Photograph 12: View of the undeveloped lands to the north.



Photograph 13: View of the western edge of the complex, facing north.



Photograph 14: View from the southern end of the Site, facing south. Heron Road is visible in the background.

Appendix C

Aerial Photographs



eNGLOBE



Aerial Photograph 1 - 1946 (ERIS, 2021)



Aerial Photograph 2 - 1956 (ERIS, 2021)



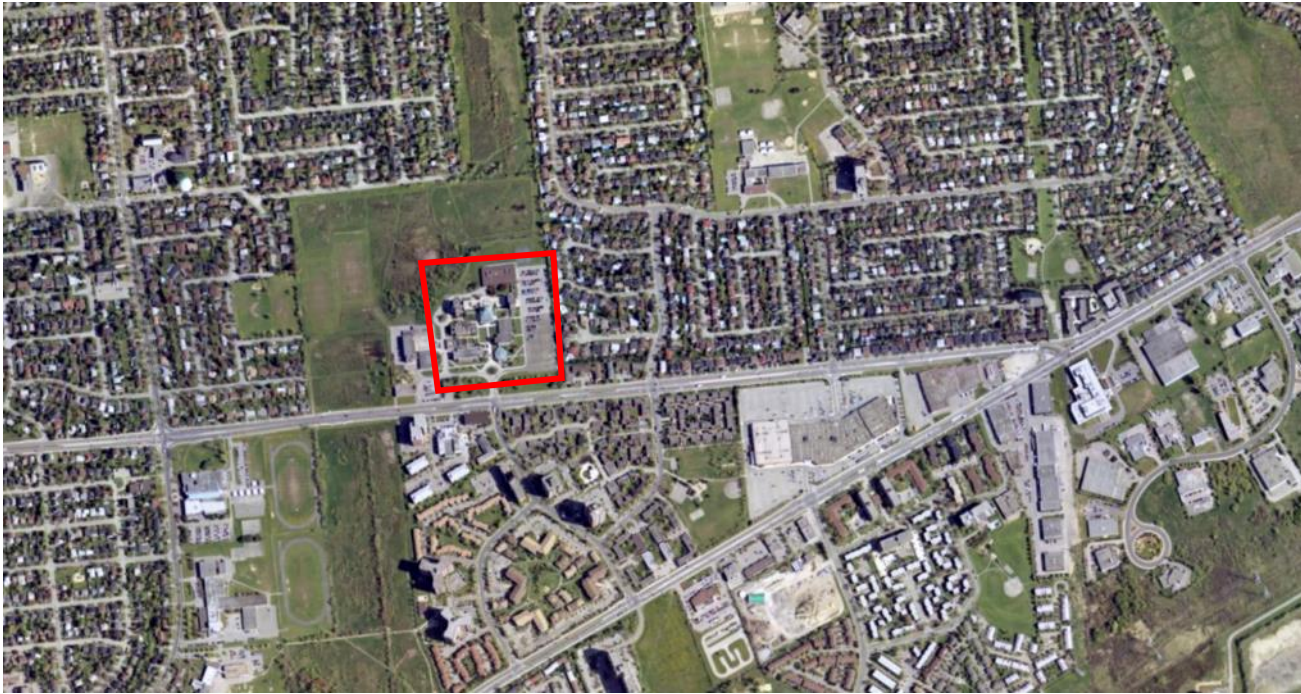
Aerial Photograph 3 - 1965 (ERIS, 2021)



Aerial Photograph 4 - 1976 (GeoOttawa, 2021)



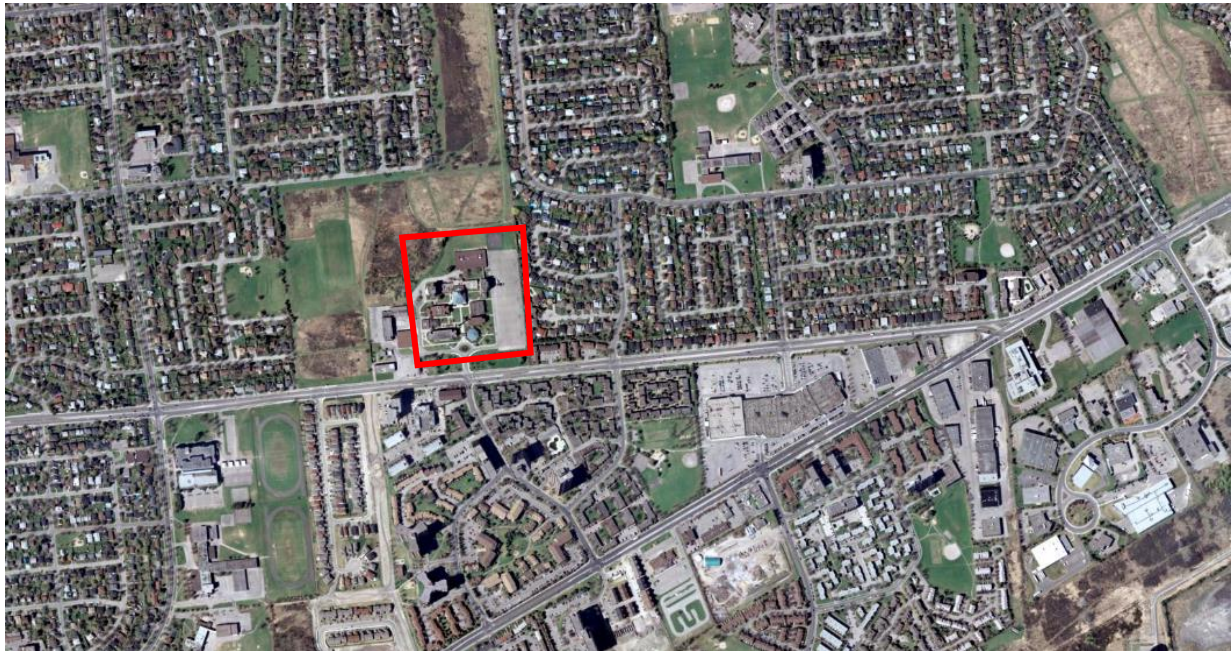
Aerial Photograph 5 - 1999 (GeoOttawa, 2021)



Aerial Photograph 6 - 2002 (GeoOttawa, 2021)



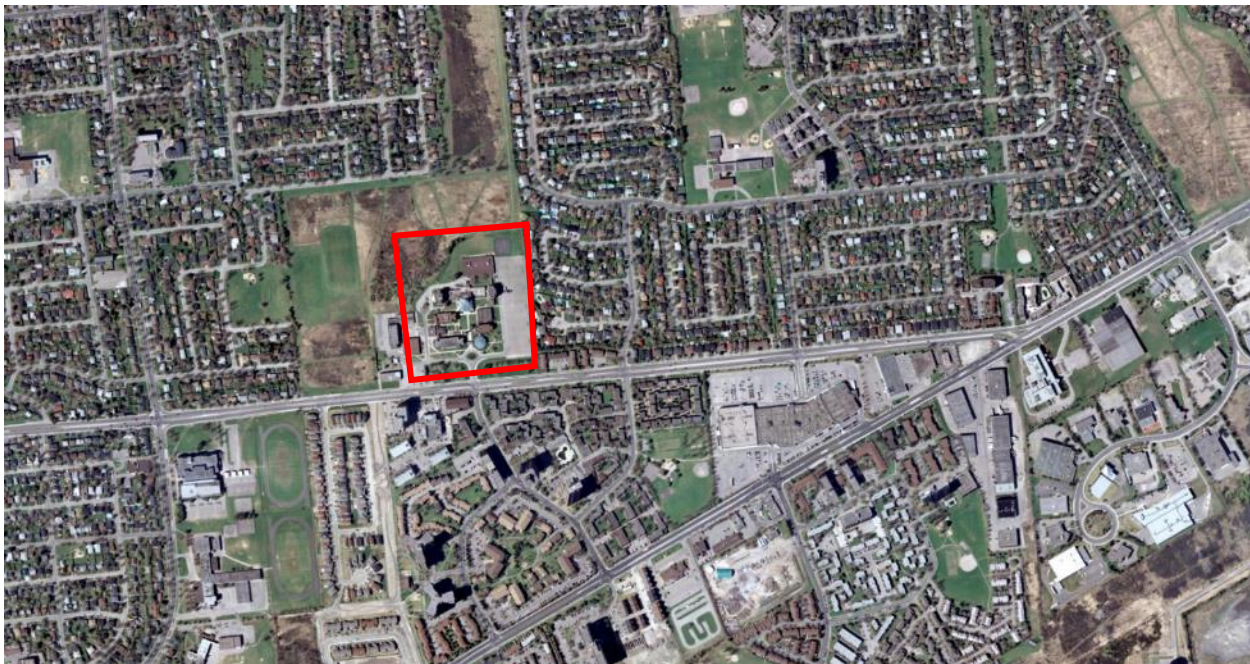
Aerial Photograph 7 - 2005 (GeoOttawa, 2021)



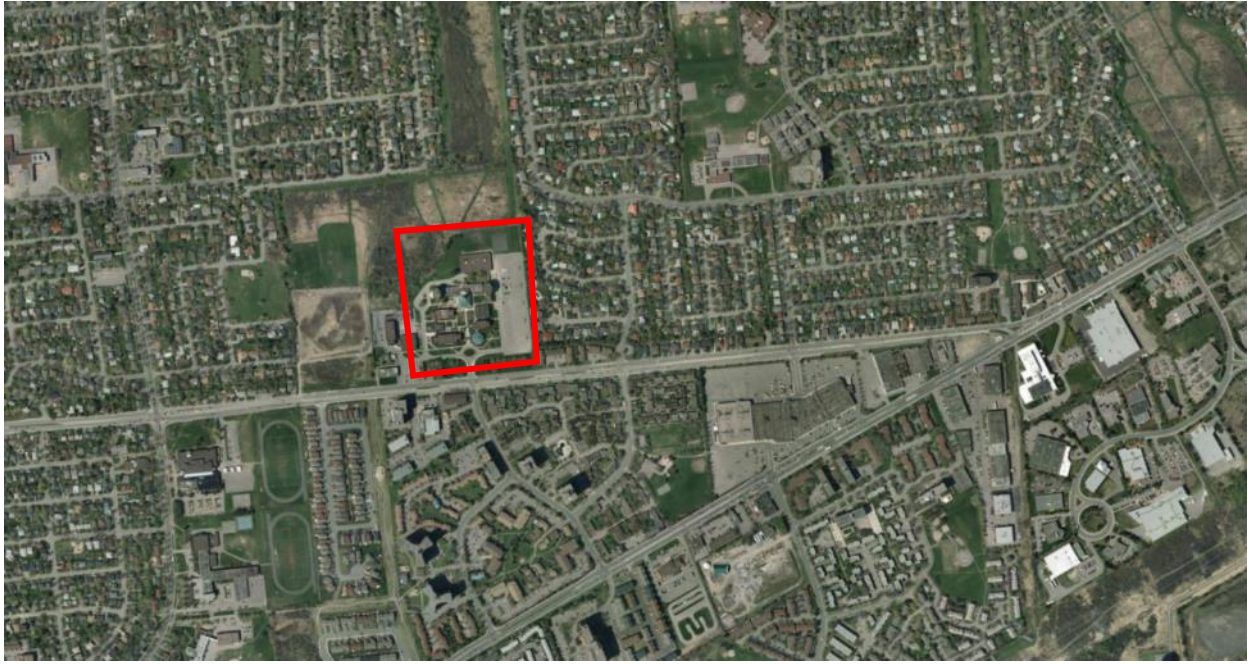
Aerial Photograph 8 - 2007 (GeoOttawa, 2021)



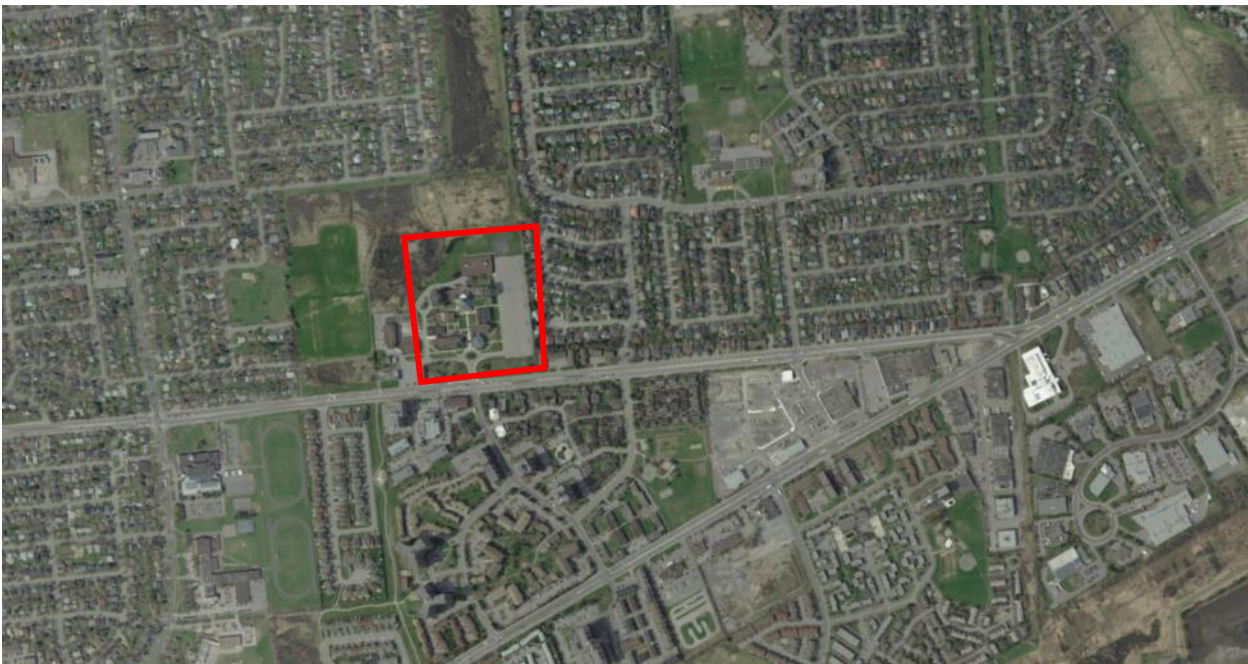
Aerial Photograph 9 - 2008 (GeoOttawa, 2021)



Aerial Photograph 10 - 2009 (GeoOttawa, 2021)



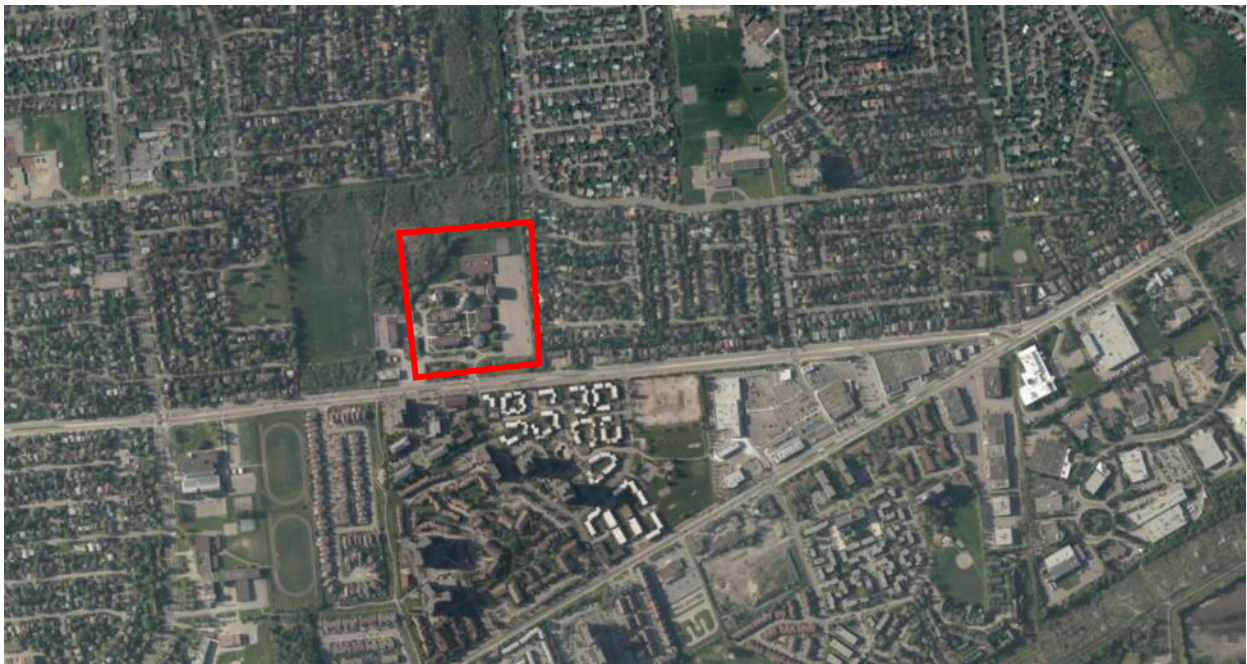
Aerial Photograph 11 - 2011 (GeoOttawa, 2021)



Aerial Photograph 12 - 2014 (GeoOttawa, 2021)



Aerial Photograph 13 - 2015 (GeoOttawa, 2021)



Aerial Photograph 14 - 2017 (GeoOttawa, 2021)



Aerial Photograph 15 - 2019 (GeoOttawa, 2021)

Appendix D

Database Searches and Information Requests



eNGLOBE



DATABASE REPORT

Project Property: *Heron Road Demo
1495 Heron Road
Ottawa ON K1V 9V1*

Project No: *2105063.000*

Report Type: *Standard Report*

Order No: *21102600510*

Requested by: *DST Consulting Engineers Inc.*

Date Completed: *October 29, 2021*

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Executive Summary

Property Information:

Project Property: *Heron Road Demo
1495 Heron Road Ottawa ON K1V 9V1*

Project No: *2105063.000*

Coordinates:

Latitude: *45.3799147*
Longitude: *-75.6526399*
UTM Northing: *5,025,362.66*
UTM Easting: *448,903.07*
UTM Zone: *18T*

Elevation: *300 FT
91.54 M*

Order Information:

Order No: *21102600510*
Date Requested: *October 26, 2021*
Requested by: *DST Consulting Engineers Inc.*
Report Type: *Standard Report*

Historical/Products:

Aerial Photographs *Aerials - National Collection*
City Directory Search *CD - Subject Site*
Insurance Products *Fire Insurance Maps/Inspection Reports/Site Plans*

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	3	3
CA	<i>Certificates of Approval</i>	Y	1	0	1
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	0	0
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	5	5
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	16	8	24
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	3	3
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	2	2
Total:			17	21	38

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
1	CA	PUBLIC WORKS & GOVT. SERVICES CANADA	1495 HERON ROAD OTTAWA CITY ON K1V 6A6	-/0.0	0.03	18
1	GEN	BROOKFIELD LEPAGE JOHNSON CONTROLS	FEDERAL STUDY CENTRE 1495 HERON ROAD OTTAWA ON K1V 6A6	-/0.0	0.03	18
1	GEN	PUBLIC WORKS & GOVERNMENT SERVICES CANADA	1495 HERON ROAD FEDERAL STUDY CENTRE OTTAWA ON K1V 6A6	-/0.0	0.03	19
1	GEN	PUBLIC WORKS AND GOV'T SERVICES CANADA	FEDERAL STUDY CENTER 1495 HERON ROAD OTTAWA ON K1V 6A6	-/0.0	0.03	19
1	GEN	PUBLIC WORKS AND GOV'T SERVICES CANADA	FEDERAL STUDY CENTER 1495 HERON ROAD OTTAWA ON K1V 6A6	-/0.0	0.03	19
1	GEN	Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	-/0.0	0.03	20
1	GEN	Five Star Enterprises	1495 Heron Road Ottawa ON K1V 6A6	-/0.0	0.03	20
1	GEN	Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	-/0.0	0.03	21
1	GEN	Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	-/0.0	0.03	21

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
1	GEN	SNC LAVALIN O & M	1495 HERON ROAD OTTAWA ON	-/0.0	0.03	22
1	GEN	Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	-/0.0	0.03	22
1	GEN	Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON	-/0.0	0.03	23
1	GEN	Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	-/0.0	0.03	24
1	GEN	Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	-/0.0	0.03	25
1	GEN	Public Services & Procurement Canada RPB	1495 HERON ROAD OTTAWA ON K1V 6A6	-/0.0	0.03	26
1	GEN	Public Services & Procurement Canada RPB	1495 HERON ROAD OTTAWA ON K1V 6A6	-/0.0	0.03	26
1	GEN	Public Services & Procurement Canada RPB	1495 HERON ROAD OTTAWA ON K1V 6A6	-/0.0	0.03	27

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	SPL	PRIVATE OWNER	FEDERAL STUDIES CENTRE, 1491 HERON ROAD. AIR CONDITIONING UNIT OTTAWA CITY ON K1V 6A6	SSE/14.9	0.03	28
3	GEN	OTTAWA R.C. SEPARATE SCHOOL BOARD	ST. PATRICK'S HIGH SCHOOL 1485 HERON RD. OTTAWA ON K1V 6A6	W/83.7	0.38	28
3	GEN	OTTAWA R.C. SEPARATE SCHOOL BOARD 29-314	ST. PATRICK'S INTERMEDIATE 1485 HERON RD. OTTAWA ON K1V 6A6	W/83.7	0.38	28
3	GEN	OTTAWA-CARLETON CATHOLIC SCHOOL BOARD	ST. PATRICK'S INTERMEDIATE SCHOOL 1485 HERON ROAD OTTAWA ON K1V 6A6	W/83.7	0.38	29
3	GEN	Ottawa-Carleton Catholic School Board	St. Patrick Intermediate School 1485 Heron Road Ottawa ON K1V 6A6	W/83.7	0.38	29
3	GEN	Ottawa Catholic District School Board	1485 Heron Road Ottawa ON K1V 6A6	W/83.7	0.38	30
3	GEN	Ottawa Catholic District School Board	1485 Heron Road Ottawa ON K1V 6A6	W/83.7	0.38	30
4	EHS		2810 Baycrest Drive Ottawa ON K1V 7P7	SSW/120.0	-1.73	30
5	BORE		ON	W/122.8	1.20	31
6	BORE		ON	ESE/141.2	-0.67	33
7	WWIS		ON Well ID: 1508275	ESE/141.3	-0.67	34
8	EHS		Various Residential Addresses (Baycrest Dr., Cedarwood Cr., Sandalwood Dr.,	E/141.4	0.26	36

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Walkley Rd.) Ottawa ON			
9	EHS		1495 Heron Rd Ottawa ON K1V6A6	NNW/154.1	1.30	36
10	SPL	PRIVATE RESIDENCE	1440 HERON ROAD FURNACE OIL TANK OTTAWA CITY ON K1V 0X2	WSW/178.3	1.33	37
11	WWIS		1495 HERON ROAD Ottawa ON <i>Well ID: 7130931</i>	NNW/178.4	2.03	37
12	SPL	Transglobe Property Management Ltd.	2840 Baycrest Avenue Ottawa ON	S/180.0	-1.67	39
13	EHS		1565 Heron Rd Ottawa ON K1V9V1	E/196.7	0.33	40
14	EHS		1450 Heron Rd Ottawa ON K1V6A5	SW/209.5	-0.70	40
15	BORE		ON	WNW/221.4	3.42	40
16	GEN	OTNIM Properties Ltd.	2861 Baycrest Cres. Ottawa ON K1V 8X8	SSE/225.8	-1.64	42
16	GEN	Minto Management Limited	2861 BAYCREST DR Ottawa ON K1V 8X8	SSE/225.8	-1.64	42

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 3 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	W	122.76	<u>5</u>
	ON	WNW	221.38	<u>15</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	ESE	141.19	<u>6</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PUBLIC WORKS & GOVT. SERVICES CANADA	1495 HERON ROAD OTTAWA CITY ON K1V 6A6	-	0.00	<u>1</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jun 30, 2021 has found that there are 5 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Various Residential Addresses (Baycrest Dr., Cedarwood Cr., Sandalwood Dr., Walkley Rd.) Ottawa ON	E	141.45	<u>8</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1495 Heron Rd Ottawa ON K1V6A6	NNW	154.09	9
	1565 Heron Rd Ottawa ON K1V9V1	E	196.73	13
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2810 Baycrest Drive Ottawa ON K1V 7P7	SSW	120.04	4
	1450 Heron Rd Ottawa ON K1V6A5	SW	209.50	14

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2021 has found that there are 24 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	-	0.00	1
Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON	-	0.00	1
Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	-	0.00	1
Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	-	0.00	1
Public Services & Procurement Canada RPB	1495 HERON ROAD OTTAWA ON K1V 6A6	-	0.00	1
Public Services & Procurement Canada RPB	1495 HERON ROAD OTTAWA ON K1V 6A6	-	0.00	1

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Public Services & Procurement Canada RPB	1495 HERON ROAD OTTAWA ON K1V 6A6	-	0.00	1
SNC LAVALIN O & M	1495 HERON ROAD OTTAWA ON	-	0.00	1
Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	-	0.00	1
Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	-	0.00	1
Five Star Enterprises	1495 Heron Road Ottawa ON K1V 6A6	-	0.00	1
Public Works and Government Services Canada	1495 HERON ROAD OTTAWA ON K1V 6A6	-	0.00	1
PUBLIC WORKS AND GOV'T SERVICES CANADA	FEDERAL STUDY CENTER 1495 HERON ROAD OTTAWA ON K1V 6A6	-	0.00	1
PUBLIC WORKS AND GOV'T SERVICES CANADA	FEDERAL STUDY CENTER 1495 HERON ROAD OTTAWA ON K1V 6A6	-	0.00	1
PUBLIC WORKS &GOVERNMENT SERVICES CANADA	1495 HERON ROAD FEDERAL STUDY CENTRE OTTAWA ON K1V 6A6	-	0.00	1
BROOKFIELD LEPAGE JOHNSON CONTROLS	FEDERAL STUDY CENTRE 1495 HERON ROAD OTTAWA ON K1V 6A6	-	0.00	1
OTTAWA R.C. SEPARATE SCHOOL BOARD	ST. PATRICK'S HIGH SCHOOL 1485 HERON RD. OTTAWA ON K1V 6A6	W	83.66	3

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
OTTAWA R.C. SEPARATE SCHOOL BOARD 29-314	ST. PATRICK'S INTERMEDIATE 1485 HERON RD. OTTAWA ON K1V 6A6	W	83.66	<u>3</u>
OTTAWA-CARLETON CATHOLIC SCHOOL BOARD	ST. PATRICK'S INTERMEDIATE SCHOOL 1485 HERON ROAD OTTAWA ON K1V 6A6	W	83.66	<u>3</u>
Ottawa-Carleton Catholic School Board	St. Patrick Intermediate School 1485 Heron Road Ottawa ON K1V 6A6	W	83.66	<u>3</u>
Ottawa Catholic District School Board	1485 Heron Road Ottawa ON K1V 6A6	W	83.66	<u>3</u>
Ottawa Catholic District School Board	1485 Heron Road Ottawa ON K1V 6A6	W	83.66	<u>3</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Minto Management Limited	2861 BAYCREST DR OTTAWA ON K1V 8X8	SSE	225.81	<u>16</u>
OTNIM Properties Ltd.	2861 Baycrest Cres. OTTAWA ON K1V 8X8	SSE	225.81	<u>16</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Aug 2020 has found that there are 3 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PRIVATE OWNER	FEDERAL STUDIES CENTRE, 1491 HERON ROAD. AIR CONDITIONING UNIT OTTAWA CITY ON K1V 6A6	SSE	14.91	<u>2</u>
PRIVATE RESIDENCE	1440 HERON ROAD FURNACE OIL TANK OTTAWA CITY ON K1V 0X2	WSW	178.31	<u>10</u>

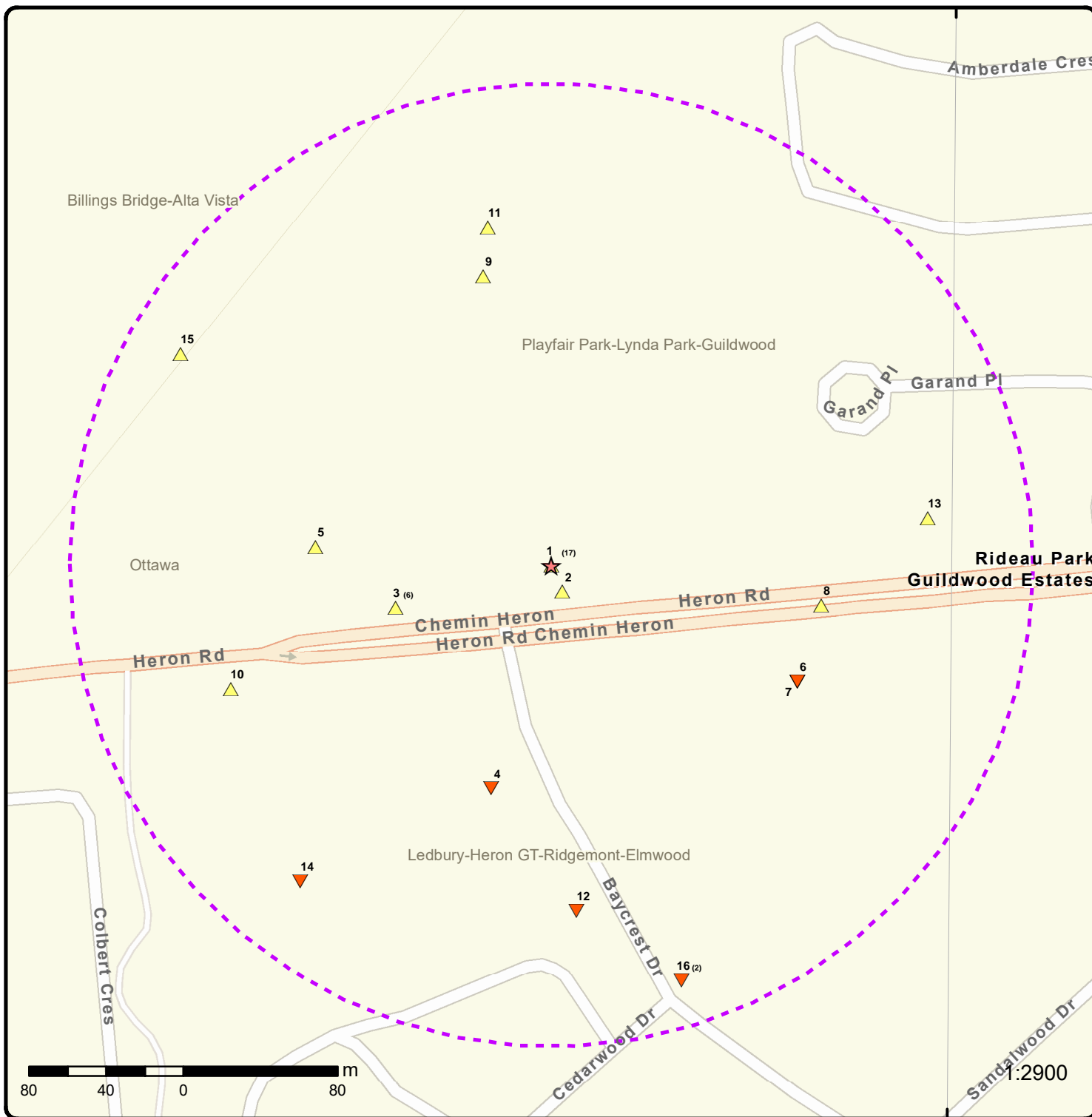
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Transglobe Property Management Ltd.	2840 Baycrest Avenue Ottawa ON	S	179.96	12

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2021 has found that there are 2 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1495 HERON ROAD Ottawa ON <i>Well ID:</i> 7130931	NNW	178.43	11

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON <i>Well ID:</i> 1508275	ESE	141.31	7



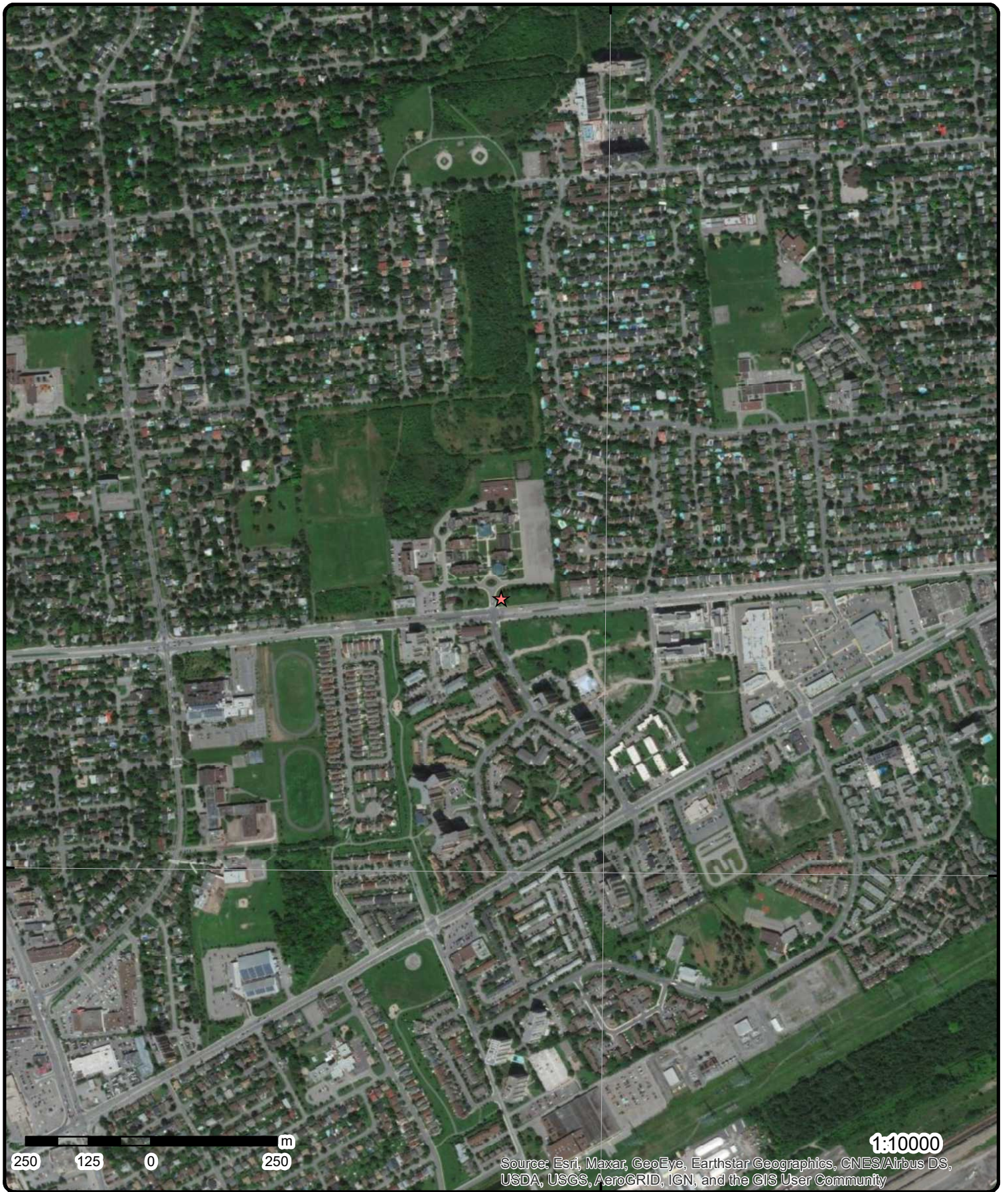
Map: 0.25 Kilometer Radius

Order Number: 21102600510

Address: 1495 Heron Road, Ottawa, ON



Project Property	Freeways; Highways	Beach	Shopping & Sports Area
Buffer Outline	Traffic Circle; Ramp	Airport	University/College
Eris Sites with Higher Elevation	Major Arterial; Minor Arterial	Industrial Area	Cemetery; Golf Course
Eris Sites with Same Elevation	Local Road	Military Base	Parkt (National)
Eris Sites with Lower Elevation	Service Road; Traffic Circle; Ramp	Aircraft Roads	Park (City/County)
Eris Sites with Unknown Elevation	Rail	Native Reservation	Hospital



250 125 0 250 m

1:10000
 Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Aerial Year: 2020

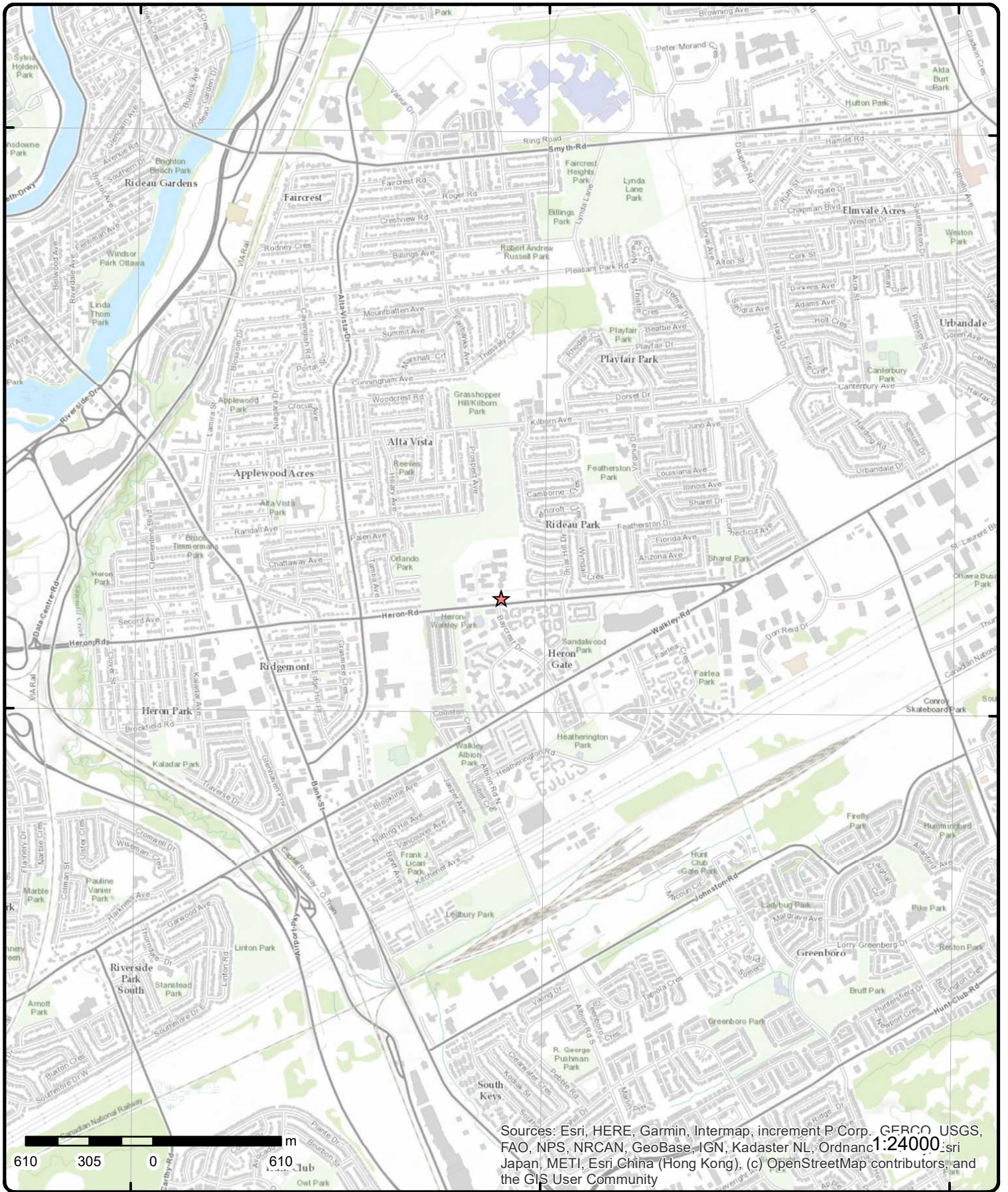
Order Number: 21102600510

Address: 1495 Heron Road, Ottawa, ON



Source: ESRI World Imagery

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

Topographic Map

Order Number: 21102600510

Address: 1495 Heron Road, ON



Source: ESRI World Topographic Map

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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 17	-/0.0	91.6 / 0.03	PUBLIC WORKS & GOVT. SERVICES CANADA 1495 HERON ROAD OTTAWA CITY ON K1V 6A6	CA
Certificate #: 8-4236-99- Application Year: 99 Issue Date: 12/2/1999 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: INSTALL (2) 300KW STANDBY GENERATORS-Y2K Contaminants: Emission Control:					

<u>1</u>	2 of 17	-/0.0	91.6 / 0.03	BROOKFIELD LEPAGE JOHNSON CONTROLS FEDERAL STUDY CENTRE 1495 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No: ON0554836 Status: Approval Years: 99,00,01 Contam. Facility: MHSW Facility: SIC Code: 7512 SIC Description: NON-RES. BLDG. OPER.		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:			
<u>Detail(s)</u>					
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	3 of 17	-/0.0	91.6 / 0.03	PUBLIC WORKS & GOVERNMENT SERVICES CANADA 1495 HERON ROAD FEDERAL STUDY CENTRE OTTAWA ON K1V 6A6	GEN
Generator No:	ON1765016			PO Box No:	
Status:				Country:	
Approval Years:	95,96,97,98			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	8159				
SIC Description:	OTHER GEN. ADMIN.				
<u>Detail(s)</u>					
Waste Class:	243				
Waste Class Desc:	PCB'S				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
1	4 of 17	-/0.0	91.6 / 0.03	PUBLIC WORKS AND GOV'T SERVICES CANADA FEDERAL STUDY CENTER 1495 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No:	ON1765016			PO Box No:	
Status:				Country:	
Approval Years:	99			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	8159				
SIC Description:	OTHER GEN. ADMIN.				
<u>Detail(s)</u>					
Waste Class:	243				
Waste Class Desc:	PCB'S				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
1	5 of 17	-/0.0	91.6 / 0.03	PUBLIC WORKS AND GOV'T SERVICES CANADA FEDERAL STUDY CENTER 1495 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No:	ON1765016			PO Box No:	
Status:				Country:	
Approval Years:	00,01			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	8159				
SIC Description:	OTHER GEN. ADMIN.				
<u>Detail(s)</u>					
Waste Class:	243				
Waste Class Desc:	PCB'S				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
<u>1</u>	6 of 17	-/0.0	91.6 / 0.03	Public Works and Government Services Canada 1495 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No:	ON0554836			PO Box No:	
Status:				Country:	
Approval Years:	03,04,06,07,08			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	911910				
SIC Description:	Other Fed. Government Public Administration				
<u>Detail(s)</u>					
Waste Class:	113				
Waste Class Desc:	ACID WASTE - OTHER METALS				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	146				
Waste Class Desc:	OTHER SPECIFIED INORGANICS				
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	213				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	242				
Waste Class Desc:	HALOGENATED PESTICIDES				
Waste Class:	243				
Waste Class Desc:	PCB'S				
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
Waste Class:	331				
Waste Class Desc:	WASTE COMPRESSED GASES				

<u>1</u>	7 of 17	-/0.0	91.6 / 0.03	Five Star Enterprises 1495 Heron Road Ottawa ON K1V 6A6	GEN
Generator No:	ON2687105			PO Box No:	
Status:				Country:	
Approval Years:	03,04			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>SIC Code:</i>					
<i>SIC Description:</i>					

<u>1</u>	8 of 17	-/0.0	91.6 / 0.03	Public Works and Government Services Canada 1495 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No:	ON0554836			PO Box No:	
Status:				Country:	
Approval Years:	2009			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	911910				
SIC Description:	Other Federal Government Public Administration				

Detail(s)

Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	113
Waste Class Desc:	ACID WASTE - OTHER METALS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	242
Waste Class Desc:	HALOGENATED PESTICIDES
Waste Class:	243
Waste Class Desc:	PCBS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS

<u>1</u>	9 of 17	-/0.0	91.6 / 0.03	Public Works and Government Services Canada 1495 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No:	ON0554836			PO Box No:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	911910				
SIC Description:	Other Federal Government Public Administration				

Detail(s)

Waste Class:	112
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		113			
Waste Class Desc:		ACID WASTE - OTHER METALS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		243			
Waste Class Desc:		PCBS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		242			
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
<hr/>					
<u>1</u>	10 of 17	-/0.0	91.6 / 0.03	SNC LAVALIN O & M 1495 HERON ROAD OTTAWA ON	GEN
Generator No:	ON7817556			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	531310				
SIC Description:	REAL ESTATE PROPERTY MANAGERS				
<u>Detail(s)</u>					
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
<hr/>					
<u>1</u>	11 of 17	-/0.0	91.6 / 0.03	Public Works and Government Services Canada 1495 HERON ROAD	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
OTTAWA ON K1V 6A6					
Generator No:	ON0554836			PO Box No:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	911910				
SIC Description:	Other Federal Government Public Administration				
<u>Detail(s)</u>					
Waste Class:	112				
Waste Class Desc:	ACID WASTE - HEAVY METALS				
Waste Class:	146				
Waste Class Desc:	OTHER SPECIFIED INORGANICS				
Waste Class:	113				
Waste Class Desc:	ACID WASTE - OTHER METALS				
Waste Class:	242				
Waste Class Desc:	HALOGENATED PESTICIDES				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	243				
Waste Class Desc:	PCBS				
Waste Class:	331				
Waste Class Desc:	WASTE COMPRESSED GASES				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				

<u>1</u>	12 of 17	-0.0	91.6 / 0.03	Public Works and Government Services Canada 1495 HERON ROAD OTTAWA ON	GEN
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Generator No:	ON0554836	PO Box No:	
Status:		Country:	
Approval Years:	2013	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No Admin:	
SIC Code:	911910		
SIC Description:			

Detail(s)

Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	212

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		242			
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		243			
Waste Class Desc:		PCBS			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		113			
Waste Class Desc:		ACID WASTE - OTHER METALS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			

1 13 of 17 -/0.0 91.6 / 0.03 **Public Works and Government Services Canada**
1495 HERON ROAD
OTTAWA ON K1V 6A6 **GEN**

Generator No:	ON0554836	PO Box No:	
Status:		Country:	Canada
Approval Years:	2015	Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No	Co Admin:	
MHSW Facility:	No	Phone No Admin:	
SIC Code:	911910		
SIC Description:	911910		

Detail(s)

Waste Class:	242
Waste Class Desc:	HALOGENATED PESTICIDES
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		113			
Waste Class Desc:		ACID WASTE - OTHER METALS			
Waste Class:		243			
Waste Class Desc:		PCBS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			

<u>1</u>	14 of 17	-0.0	91.6 / 0.03	Public Works and Government Services Canada 1495 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No:	ON0554836			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	luc s Boisvert
MHSW Facility:	No			Phone No Admin:	742-7662 Ext.244
SIC Code:	911910				
SIC Description:	911910				

Detail(s)

Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS
Waste Class:	242
Waste Class Desc:	HALOGENATED PESTICIDES
Waste Class:	113
Waste Class Desc:	ACID WASTE - OTHER METALS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		243			
Waste Class Desc:		PCBS			

1	15 of 17	-/0.0	91.6 / 0.03	Public Services & Procurement Canada RPB 1495 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No:		ON0554836	PO Box No:		
Status:		Registered	Country: Canada		
Approval Years:		As of Dec 2018	Choice of Contact:		
Contam. Facility:			Co Admin:		
MHSW Facility:			Phone No Admin:		
SIC Code:					
SIC Description:					

Detail(s)

Waste Class:	112 C
Waste Class Desc:	Acid solutions - containing heavy metals
Waste Class:	121 C
Waste Class Desc:	Alkaline slutions - containing heavy metals
Waste Class:	122 C
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)
Waste Class:	146 R
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	146 T
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	243 D
Waste Class Desc:	PCB
Waste Class:	251 L
Waste Class Desc:	Waste oils/sludges (petroleum based)
Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants
Waste Class:	263 I
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	331 I
Waste Class Desc:	Waste compressed gases including cylinders

1	16 of 17	-/0.0	91.6 / 0.03	Public Services & Procurement Canada RPB 1495 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No:		ON0554836	PO Box No:		
Status:		Registered	Country: Canada		
Approval Years:		As of Jul 2020	Choice of Contact:		
Contam. Facility:			Co Admin:		
MHSW Facility:			Phone No Admin:		
SIC Code:					
SIC Description:					

Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class: Waste Class Desc:		331 I Waste compressed gases including cylinders			
Waste Class: Waste Class Desc:		252 L Waste crankcase oils and lubricants			
Waste Class: Waste Class Desc:		243 D PCB			
Waste Class: Waste Class Desc:		146 T Other specified inorganic sludges, slurries or solids			
Waste Class: Waste Class Desc:		122 C Alkaline slutions - containing other metals and non-metals (not cyanide)			
Waste Class: Waste Class Desc:		112 C Acid solutions - containing heavy metals			
Waste Class: Waste Class Desc:		251 L Waste oils/sludges (petroleum based)			
Waste Class: Waste Class Desc:		146 R Other specified inorganic sludges, slurries or solids			
Waste Class: Waste Class Desc:		263 I Misc. waste organic chemicals			
Waste Class: Waste Class Desc:		121 C Alkaline slutions - containing heavy metals			

1

17 of 17

-/0.0

91.6 / 0.03

Public Services & Procurement Canada RPB
1495 HERON ROAD
OTTAWA ON K1V 6A6

GEN

Generator No:	ON0554836	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: Waste Class Desc:	146 T Other specified inorganic sludges, slurries or solids
Waste Class: Waste Class Desc:	122 C Alkaline slutions - containing other metals and non-metals (not cyanide)
Waste Class: Waste Class Desc:	251 L Waste oils/sludges (petroleum based)
Waste Class: Waste Class Desc:	112 C Acid solutions - containing heavy metals
Waste Class: Waste Class Desc:	121 C Alkaline slutions - containing heavy metals
Waste Class: Waste Class Desc:	243 D PCB
Waste Class: Waste Class Desc:	331 I Waste compressed gases including cylinders

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		263 I			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		146 R			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
<u>2</u>	1 of 1	SSE/14.9	91.6 / 0.03	PRIVATE OWNER FEDERAL STUDIES CENTRE, 1491 HERON ROAD. AIR CONDITIONING UNIT OTTAWA CITY ON K1V 6A6	SPL
Ref No:	211723			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	7/6/2001			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	COOLING SYSTEM LEAK			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	Not Anticipated			Site Municipality:	20107
Nature of Impact:				Site Lot:	
Receiving Medium:	Air			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	9/18/2001			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	MATERIAL FAILURE			Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	BROOKVILLE LEPASSE: LEAK OF HALOCARBONS FROM OLD A/C UNIT, APP. 50 LBS				
Contaminant Qty:					
<u>3</u>	1 of 6	W/83.7	91.9 / 0.38	OTTAWA R.C. SEPARATE SCHOOL BOARD ST. PATRICK'S HIGH SCHOOL 1485 HERON RD. OTTAWA ON K1V 6A6	GEN
Generator No:	ON0426401			PO Box No:	
Status:				Country:	
Approval Years:	86,87,88,89,90			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	0000				
SIC Description:	*** NOT DEFINED ***				
Detail(s)					
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
<u>3</u>	2 of 6	W/83.7	91.9 / 0.38	OTTAWA R.C. SEPARATE SCHOOL BOARD 29- 314 ST. PATRICK'S INTERMEDIATE 1485 HERON	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				RD. OTTAWA ON K1V 6A6	
Generator No:	ON0426401			PO Box No:	
Status:				Country:	
Approval Years:	92,93,94,95,96			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	8511				
SIC Description:	ELEMT./SECON. EDUC.				
<u>Detail(s)</u>					
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
<u>3</u>	3 of 6	W/83.7	91.9 / 0.38	OTTAWA-CARLETON CATHOLIC SCHOOL BOARD ST. PATRICK'S INTERMEDIATE SCHOOL 1485 HERON ROAD OTTAWA ON K1V 6A6	GEN
Generator No:	ON0426401			PO Box No:	
Status:				Country:	
Approval Years:	97,98,99,00,01			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	8511				
SIC Description:	ELEMT./SECON. EDUC.				
<u>Detail(s)</u>					
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
<u>3</u>	4 of 6	W/83.7	91.9 / 0.38	Ottawa-Carleton Catholic School Board St. Patrick Intermediate School 1485 Heron Road Ottawa ON K1V 6A6	GEN
Generator No:	ON1478397			PO Box No:	
Status:				Country:	
Approval Years:	02,03,04			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	213				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		243			
Waste Class Desc:		PCB'S			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
<u>3</u>	5 of 6	W/83.7	91.9 / 0.38	Ottawa Catholic District School Board 1485 Heron Road Ottawa ON K1V 6A6	GEN
Generator No:		ON3269013		PO Box No:	
Status:				Country:	
Approval Years:		07,08		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:		611110			
SIC Description:		Elementary and Secondary Schools			
Detail(s)					
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
<u>3</u>	6 of 6	W/83.7	91.9 / 0.38	Ottawa Catholic District School Board 1485 Heron Road Ottawa ON K1V 6A6	GEN
Generator No:		ON9993594		PO Box No:	
Status:				Country:	
Approval Years:		2009		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:		611110			
SIC Description:		Elementary and Secondary Schools			
Detail(s)					
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
<u>4</u>	1 of 1	SSW/120.0	89.8 / -1.73	2810 Baycrest Drive Ottawa ON K1V 7P7	EHS
Order No:		20090727019		Nearest Intersection: Baycrest Drive and Heron Road	
Status:		C		Municipality:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	8/5/2009			Search Radius (km):	0.25
Date Received:	7/27/2009			X:	-75.653026
Previous Site Name:				Y:	45.378869
Lot/Building Size:	lot: 1.12 acres				
Additional Info Ordered:	Fire Insur. Maps and/or Sire Plans; City Directory				

5 1 of 1 **W/122.8** **92.7 / 1.20** **ON** **BORE**

Borehole ID:	612850	Inclin FLG:	No
OGF ID:	215514156	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:		Municipality:	
Static Water Level:		Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	45.379992
Total Depth m:	4.1	Longitude DD:	-75.654204
Depth Ref:	Ground Surface	UTM Zone:	18
Depth Elev:		Easting:	448781
Drill Method:		Northing:	5025372
Orig Ground Elev m:	96	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Not Applicable
DEM Ground Elev m:	96.5		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218392708	Mat Consistency:	Dense
Top Depth:	.5	Material Moisture:	
Bottom Depth:	.9	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:	Unknown	Geologic Formation:	
Material 2:	Till	Geologic Group:	
Material 3:	Sand	Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	UNSPECIFIED. DENSE.		

Geology Stratum ID:	218392711	Mat Consistency:	
Top Depth:	2	Material Moisture:	
Bottom Depth:	2.5	Material Texture:	
Material Color:	Red	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. WEATHERED.		

Geology Stratum ID:	218392707	Mat Consistency:	Loose
Top Depth:	.3	Material Moisture:	
Bottom Depth:	.5	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:	Unknown	Geologic Formation:	
Material 2:	Till	Geologic Group:	
Material 3:	Sand	Geologic Period:	
Material 4:		Depositional Gen:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Gsc Material Description:					
Stratum Description:		UNSPECIFIED. LOOSE.			
Geology Stratum ID:	218392709			Mat Consistency:	Dense
Top Depth:	.9			Material Moisture:	
Bottom Depth:	1.5			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Unknown			Geologic Formation:	
Material 2:	Till			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		UNSPECIFIED. DENSE.			
Geology Stratum ID:	218392710			Mat Consistency:	Dense
Top Depth:	1.5			Material Moisture:	
Bottom Depth:	2			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Unknown			Geologic Formation:	
Material 2:	Till			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		UNSPECIFIED. DENSE.			
Geology Stratum ID:	218392706			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Unknown			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		UNSPECIFIED.			
Geology Stratum ID:	218392712			Mat Consistency:	
Top Depth:	2.5			Material Moisture:	
Bottom Depth:	4.1			Material Texture:	
Material Color:				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. 00010 015 00030 010 00050 010 0005004612 00125 010 0000001300050017 **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: 053580 NTS_Sheet: 31G05G		
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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Scale or Resolution: Varies					
Source Name: Urban Geology Automated Information System (UGAIS)					
Source Originators: Geological Survey of Canada					

6 1 of 1 **ESE/141.2** **90.9 / -0.67** **ON** **BORE**

Borehole ID:	612840	Inclin FLG:	No
OGF ID:	215514146	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:	AUG-1955	Municipality:	
Static Water Level:	27.4	Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	45.37938
Total Depth m:	26.5	Longitude DD:	-75.651004
Depth Ref:	Ground Surface	UTM Zone:	18
Depth Elev:		Easting:	449031
Drill Method:		Northing:	5025302
Orig Ground Elev m:	94.5	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Not Applicable
DEM Ground Elev m:	94.9		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218392678	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	4.6	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:	218392679	Mat Consistency:	Compact
Top Depth:	4.6	Material Moisture:	
Bottom Depth:	26.5	Material Texture:	
Material Color:	Red	Non Geo Mat Type:	
Material 1:	Shale	Geologic Formation:	
Material 2:	Limestone	Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	SHALE. 00068RED. CLAY. SOFT. TILL. COMPACT. BEDROCK. ERED, WATER STABLE AT 220.0 FE **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 Ident:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:		Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 05348 NTS_Sheet:		
Confiden 1:			

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

7	1 of 1	ESE/141.3	90.9 / -0.67	ON	WWIS
Well ID:	1508275			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	10/20/1955
Sec. Water Use:	0			Selected Flag:	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\1508275.pdf

Additional Detail(s) (Map)

Well Completed Date: 1955/08/09
Year Completed: 1955
Depth (m): 26.5176
Latitude: 45.3793780091093
Longitude: -75.6510035668159
Path: 150\1508275.pdf

Bore Hole Information

Bore Hole ID:	10030310	Elevation:	94.905075
DP2BR:	15.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	449030.70
Code OB Desc:	Bedrock	North83:	5025302.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	09-Aug-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:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931009235			
Layer:		2			
Color:					
General Color:					
Mat1:		17			
Most Common Material:		SHALE			
Mat2:		15			
Mat2 Desc:		LIMESTONE			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		15.0			
Formation End Depth:		87.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931009234			
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:		15.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961508275			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10578880			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930053276			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		21			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			

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

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

Results of Well Yield Testing

Pump Test ID: 991508275
 Pump Set At:
 Static Level: 12.0
 Final Level After Pumping: 87.0
 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: 15
 Flowing: No

Water Details

Water ID: 933462705
 Layer: 1
 Kind Code: 1
 Kind: FRESH
 Water Found Depth: 68.0
 Water Found Depth UOM: ft

8	1 of 1	E/141.4	91.8 / 0.26	Various Residential Addresses (Baycrest Dr., Cedarwood Cr., Sandalwood Dr., Walkley Rd.) Ottawa ON	EHS
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Order No:	20100609014	Nearest Intersection:	
Status:	C	Municipality:	
Report Type:	Custom Report	Client Prov/State:	ON
Report Date:	6/14/2010	Search Radius (km):	0.25
Date Received:	6/9/2010	X:	-75.650851
Previous Site Name:		Y:	45.379737
Lot/Building Size:			
Additional Info Ordered:			

9	1 of 1	NNW/154.1	92.8 / 1.30	1495 Heron Rd Ottawa ON K1V6A6	EHS
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Order No:	20141106039	Nearest Intersection:	
Status:	C	Municipality:	
Report Type:	Custom Report	Client Prov/State:	ON
Report Date:	13-NOV-14	Search Radius (km):	.25
Date Received:	06-NOV-14	X:	-75.653107

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Previous Site Name:				Y:	45.381262
Lot/Building Size:					
Additional Info Ordered:		City Directory			

10	1 of 1	WSW/178.3	92.9 / 1.33	PRIVATE RESIDENCE 1440 HERON ROAD FURNACE OIL TANK OTTAWA CITY ON K1V 0X2	SPL
Ref No:	101376			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	6/17/1994			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	CONTAINER OVERFLOW			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	POSSIBLE			Site Municipality:	20101
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:	4/20/1994			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	ERROR			Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	PRIVATE RESIDENCE: 5 L FURNACE OIL TO VEGETATION DURING FILL UP				
Contaminant Qty:					

11	1 of 1	NNW/178.4	93.6 / 2.03	1495 HERON ROAD Ottawa ON	WWIS
Well ID:	7130931			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Not Used			Date Received:	10/1/2009
Sec. Water Use:				Selected Flag:	True
Final Well Status:	Abandoned-Other			Abandonment Rec:	Yes
Water Type:				Contractor:	1844
Casing Material:				Form Version:	7
Audit No:	Z81073			Owner:	
Tag:				Street Name:	1495 HERON ROAD
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/713\7130931.pdf				

Additional Detail(s) (Map)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well Completed Date:		2009/07/14			
Year Completed:		2009			
Depth (m):					
Latitude:		45.3814904670312			
Longitude:		-75.653080423158			
Path:		713\7130931.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	1002730916			Elevation:	95.772056
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	448870.00
Code OB Desc:				North83:	5025538.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	14-Jul-2009 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1003063160				
Layer:	1				
Plug From:	0				
Plug To:	0.100000001490116				
Plug Depth UOM:	m				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1003063161				
Layer:	2				
Plug From:	0.100000001490116				
Plug To:	0.899999976158142				
Plug Depth UOM:	m				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1003063162				
Layer:	3				
Plug From:	0.899999976158142				
Plug To:	4.5				
Plug Depth UOM:	m				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1003063167				
Method Construction Code:	B				
Method Construction:	Other Method				
Other Method Construction:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Pipe Information</u>					
Pipe ID:		1003063157			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003063164			
Layer:		1			
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:		51			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003063165			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1003063163			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1003063159			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		4.5			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

[12](#)

1 of 1

S/180.0

89.9 / -1.67

Transglobe Property Management Ltd.
2840 Baycrest Avenue
Ottawa ON

SPL

Ref No: 5631-8S82Y5
Site No:
Incident Dt: 08-MAR-12
Year:
Incident Cause: Unknown
Incident Event:
Contaminant Code: 13
Contaminant Name: HYDROCARBON LIGHT
Contaminant Limit 1:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Unknown
Agency Involved:
Nearest Watercourse:
Site Address: 2840 Baycrest Avenue
Site District Office:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Confirmed Nature of Impact: Other Impact(s) Receiving Medium: Sewage - Municipal/Private and Commercial Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 08-MAR-12 Dt Document Closed: Incident Reason: Unknown - Reason not determined Site Name: Underground parking of residential apartment building<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: Apartment Bldg garage, hydrocarbon discharge to sewer Contaminant Qty:				Site Postal Code: Site Region: Site Municipality: Ottawa Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Land Spills Source Type:	
13	1 of 1	E/196.7	91.9 / 0.33	1565 Heron Rd Ottawa ON K1V9V1	EHS
Order No: 20170412035 Status: C Report Type: Custom Report Report Date: 19-APR-17 Date Received: 12-APR-17 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans				Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.650149 Y: 45.380147	
14	1 of 1	SW/209.5	90.8 / -0.70	1450 Heron Rd Ottawa ON K1V6A5	EHS
Order No: 20170118018 Status: C Report Type: Standard Report Report Date: 24-JAN-17 Date Received: 18-JAN-17 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory				Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.654286 Y: 45.378428	
15	1 of 1	WNW/221.4	95.0 / 3.42	ON	BORE
Borehole ID: 612858 OGF ID: 215514164 Status: Type: Borehole Use: Completion Date: Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: 4.8 Depth Ref: Ground Surface Depth Elev: Drill Method: Orig Ground Elev m: 96.3 Elev Reliabil Note: DEM Ground Elev m: 97				Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No Primary Name: Municipality: Lot: Township: Latitude DD: 45.380887 Longitude DD: -75.655108 UTM Zone: 18 Easting: 448711 Northing: 5025472 Location Accuracy: Accuracy: Not Applicable	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Concession: Location D: Survey D: Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218392744			Mat Consistency:	
Top Depth:	2.7			Material Moisture:	
Bottom Depth:	3.8			Material Texture:	
Material Color:				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.				
Geology Stratum ID:	218392743			Mat Consistency:	
Top Depth:	2.3			Material Moisture:	
Bottom Depth:	2.7			Material Texture:	
Material Color:	Red			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Shale			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK. WEATHERED.				
Geology Stratum ID:	218392745			Mat Consistency:	
Top Depth:	3.8			Material Moisture:	
Bottom Depth:	4.8			Material Texture:	
Material Color:				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. 00010 022 00025 010 00035 009 00075 008 00010020000250270003508400075121 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218392740			Mat Consistency:	Soft
Top Depth:	.3			Material Moisture:	
Bottom Depth:	.8			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY. VERY SOFT.				
Geology Stratum ID:	218392741			Mat Consistency:	Dense
Top Depth:	.8			Material Moisture:	
Bottom Depth:	1.1			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Unknown			Geologic Formation:	
Material 2:	Till			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	UNSPECIFIED. DENSE.				
Geology Stratum ID:	218392742			Mat Consistency:	Dense
Top Depth:	1.1			Material Moisture:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Bottom Depth: 2.3
Material Color:
Material 1: Unknown
Material 2: Till
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: UNSPECIFIED. DENSE.

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

Geology Stratum ID: 218392739
Top Depth: 0
Bottom Depth: .3
Material Color:
Material 1: Unknown
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: UNSPECIFIED.

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: H
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 053660 NTS_Sheet: 31G05G
Confiden 1: Logged by professional. Exact and complete description of material and properties.

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

[16](#) 1 of 2 **SSE/225.8** **89.9 / -1.64** **OTNIM Properties Ltd.**
2861 Baycrest Cres.
Ottawa ON K1V 8X8 **GEN**

Generator No: ON1444754
Status:
Approval Years: 05
Contam. Facility:
MHSW Facility:
SIC Code: 551113
SIC Description: Holding Companies

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

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

[16](#) 2 of 2 **SSE/225.8** **89.9 / -1.64** **Minto Management Limited**
2861 BAYCREST DR
Ottawa ON K1V 8X8 **GEN**

Generator No: ON3616892 **PO Box No:**

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Status:				Country:	
Approval Years:	05			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	531310				
SIC Description:		Real Estate Property Managers			
 <u>Detail(s)</u>					
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			

Unplottable Summary

Total: **13** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	R.J. NICOL CONSTRUCTION (1975) LTD.	HERON RD. ST. PETERS SCHOOL	OTTAWA CITY ON	
CA	Regional Municipality of Ottawa-Carleton	HERON ROAD	OTTAWA CITY ON	
CA	R.J. NICOL CONSTRUCTION (1975) LTD.	HERON RD. ST. PETERS SCHOOL	OTTAWA CITY ON	
CA	TRIANGLE PROJECT INC.-PT. LOTS 37-39	HERON ROAD/STM-WATER MGT. FAC.	OTTAWA CITY ON	
CA	TRIANGLE PROJECT INC.-PT. LOTS 37-39	HERON RD./S-WATER MGT.FACILITY	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARLETON	HERON RD.	OTTAWA CITY ON	
EHS		Heron Road	Ottawa ON	
EHS		heron road	ottawa ON	
GEN	SPIC & SPAN-VALETOR-CASH CLEANERS	HERONGAVE MALL, HERON ROAD C/O 1764 WOODWARD DRIVE	OTTAWA ON	K2C 0P8
GEN	SPIC & SPAN-VALETOR-CASH CLEANERS 35-136	HERONGAVE MALL, HERON ROAD C/O 1764 WOODWARD DRIVE	OTTAWA ON	K2C 0P8
GEN	SPIC & SPAN-VALETOR (OUT OF BUSINESS)	HERONGAVE MALL, HERON ROAD C/O 1764 WOODWARD DRIVE	OTTAWA ON	K2C 0P8
SPL	TRANSPORT TRUCK	HWY 16 MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	
SPL	HEATING OIL TANK	FARM OFF HWY 16 PETROLEUM SECTOR _ONLY_	OTTAWA-CARLETON R. M. ON	

Unplottable Report

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

Database:
CA

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

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

Database:
CA

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

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

Database:
CA

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

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

Database:
CA

Certificate #: 3-0628-92-
Application Year: 92

Issue Date: 10/20/1992
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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

Database:
CA

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

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

Database:
CA

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

Site: Heron Road Ottawa ON

Database:
EHS

Order No: 20141021043
Status: C
Report Type: Standard Report
Report Date: 27-OCT-14
Date Received: 21-OCT-14
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality: City of Ottawa
Client Prov/State: ON
Search Radius (km): .25
X: -75.684489
Y: 45.375447

Site: heron road ottawa ON

Database:
EHS

Order No: 20021218002
Status: C

Nearest Intersection:
Municipality:

Report Type: Complete Report
Report Date: 12/19/02
Date Received: 12/18/02
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Client Prov/State: ON
Search Radius (km): 0.50
X: -75.64485
Y: 45.37902

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

Database:
GEN

Generator No: ON0573416
Status:
Approval Years: 86,87,88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 9721
SIC Description: POWER LAUND./CLEANERS

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

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

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

Database:
GEN

Generator No: ON0573416
Status:
Approval Years: 94,95
Contam. Facility:
MHSW Facility:
SIC Code: 9721
SIC Description: POWER LAUND./CLEANER

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

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

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

Database:
GEN

Generator No: ON0573416
Status:
Approval Years: 92,93,96,97,98
Contam. Facility:
MHSW Facility:
SIC Code: 9721
SIC Description: POWER LAUND./CLEANER

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

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

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

Database:
SPL

Ref No: 76308
Site No:
Incident Dt: 9/15/1992
Year:
Incident Cause: OTHER CONTAINER LEAK
Incident Event:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:

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

Site:	HEATING OIL TANK	Database:	SPL
	FARM OFF HWY 16 PETROLEUM SECTOR_ONLY_ OTTAWA-CARLETON R.M. ON		
Ref No:	30436	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	1/31/1990	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	ABOVE-GROUND TANK LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:		Site Municipality:	20000
Nature of Impact:		Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	1/31/1990	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	CORROSION	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	STOVE OIL TANK-900 L STOVE OIL TO GROUND.		
Contaminant Qty:			

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 2019

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: May 31, 2021

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 -Aug 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-Jul 2021

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- Aug 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: May 31, 2021

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- Aug 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- Aug 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- Aug 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-Jun 30, 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 / 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: May 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-Aug 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 is 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: May 31, 2021

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-Jun 30, 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-Jan 2021

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-Aug 31, 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- Aug 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: May 31, 2021

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- Aug 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-Aug 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: May 31, 2021

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- Aug 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 30th, 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.

CHAIN OF TITLE REPORT

Project #: 21112200121
 Address: 1495 Heron Rd., Ottawa
 Legal: Part lot 20, Con JG
 Description: as Pt 8, 4R-699

Searched at: Ottawa
 LRO #: 4

PIN #: 04189-0241(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent (93 acres)	30 01 1911	Crown	Sarah MCKENZIE
63	Deed	30 01 1911	Sarah McKenzie	Greater Ottawa Development Company Limited
20164	Tax Deed	31 03 1938	Treasurer County of Carleton (Greater Ottawa Dev Co. defaulted)	John James HERON
49462	Expro. Plan	13 01 1959	John James Heron	The Board of Trustees of The Roman Catholic Separate School Board
71399	Deed	20 02 1969	Board of Trustees of The Roman Catholic Separate School Board	Notre Dame Convent Ottawa
LT96033	Deed	24 08 1973	Notre Dame Convent Ottawa	Her Majesty The Queen In Right of Canada
LT969947	Easement	25 03 1996	Her Majesty The Queen In Right of Canada	The Regional Municipality of Ottawa-Carleton
OC1788114	Easement	18 05 2016	Her Majesty The Queen In Right of Canada	Ottawa Catholic District School Board
OC2239175	Deed (Present Owner)	28 07 2020	Her Majesty The Queen In Right of Canada	Canada Lands Company CLC Limited

LAND
REGISTRY
OFFICE #4

04189-0241 (LT)

PAGE 1 OF 1
PREPARED FOR bertucci
ON 2021/12/03 AT 16:14:01

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PCL 6967, SEC CARL ; PT LT 20, CON JG , PT 8, 4R699 ; S/T LT969947 OTTAWA/GLOUCESTER; TOGETHER WITH AN EASEMENT OVER PART 2, 4R28609 AS IN OC1788113; TOGETHER WITH AN EASEMENT OVER PART 3, 4R28609 AS IN OC1788113; SUBJECT TO AN EASEMENT OVER PARTS 4, 5 AND 6, 4R28609 IN FAVOUR OF PART 4, 4R699 AS IN OC1788114; SUBJECT TO AN EASEMENT OVER PARTS 4, 5 AND 6, 4R28609 IN FAVOUR OF PART 7, 4R699 SAVE & EXCEPT PTS 1 TO 7, 4R1729 AS IN OC1788114

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
ABSOLUTE

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
1996/09/23

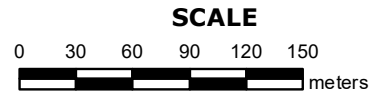
OWNERS' NAMES
CANADA LANDS COMPANY CLC LIMITED

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
<p><i>**EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1996/09/23 ON THIS PIN**</i></p> <p><i>**WAS REPLACED WITH THE "PIN CREATION DATE" OF 1996/09/23**</i></p> <p><i>** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1996/09/20 **</i></p>						
CAR129	1968/07/10	PLAN REFERENCE				C
LT96033	1973/08/24	TRANSFER		*** COMPLETELY DELETED ***	HER MAJESTY THE QUEEN IN RIGHT OF CANADA	
4R699	1973/11/23	PLAN REFERENCE				C
4R4802	1985/01/03	PLAN REFERENCE				C
4R4872	1985/03/22	PLAN REFERENCE				C
LT969947	1996/03/25	TRANSFER EASEMENT			THE REGIONAL MUNICIPALITY OF OTTAWA-CARLETON	C
4R28609	2015/03/09	PLAN REFERENCE				C
OC1788114	2016/05/18	TRANSFER EASEMENT	\$1	HER MAJESTY THE QUEEN IN RIGHT OF CANADA	OTTAWA CATHOLIC DISTRICT SCHOOL BOARD	C
OC2239175	2020/07/28	TRANSFER	\$7,570,000	HER MAJESTY THE QUEEN IN RIGHT OF CANADA	CANADA LANDS COMPANY CLC LIMITED	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

PRINTED ON 03 DEC, 2021 AT 16:14:41
FOR BERTUCCI



PROPERTY INDEX MAP
OTTAWA-CARLETON(No. 04)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

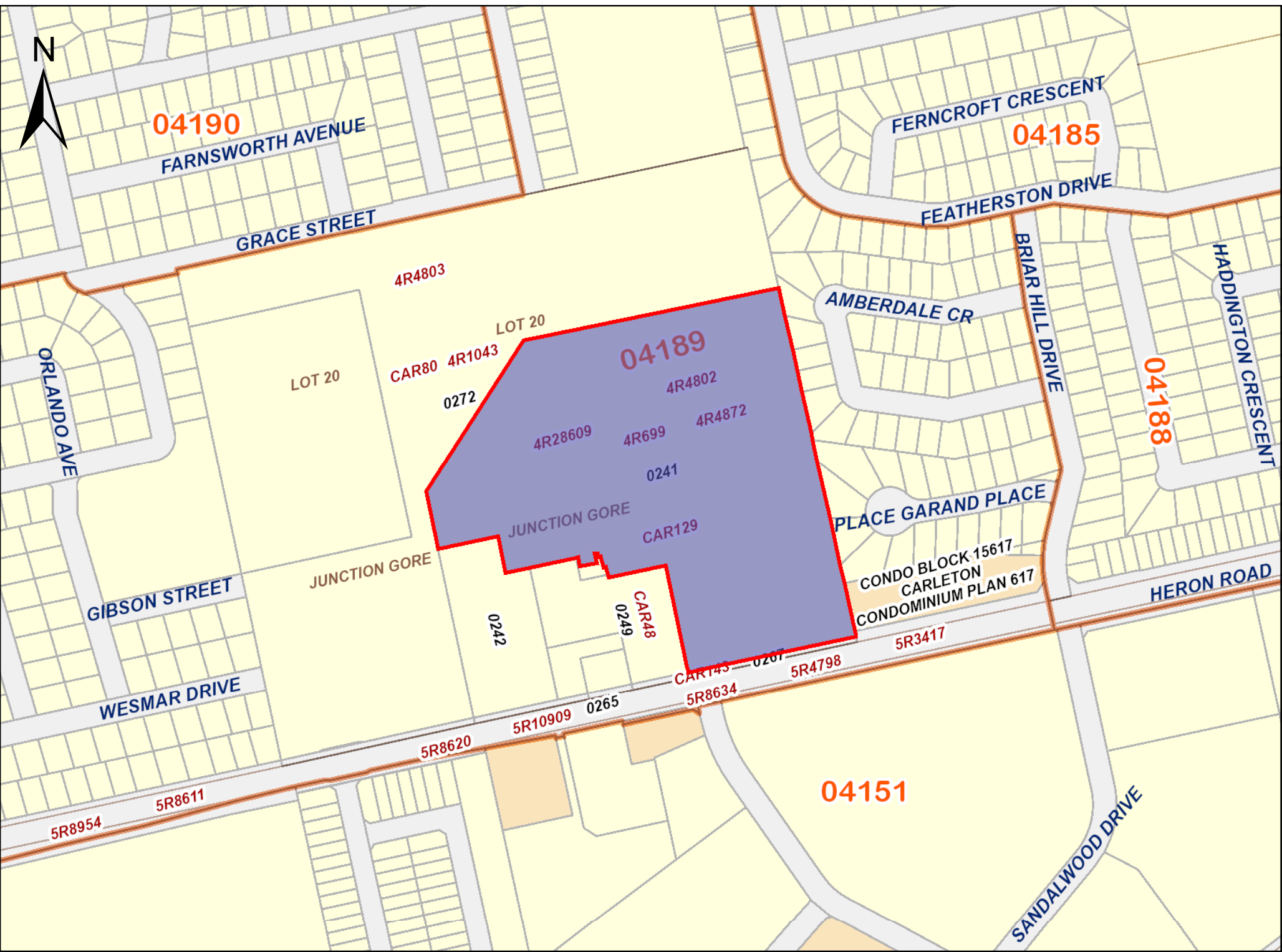
REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

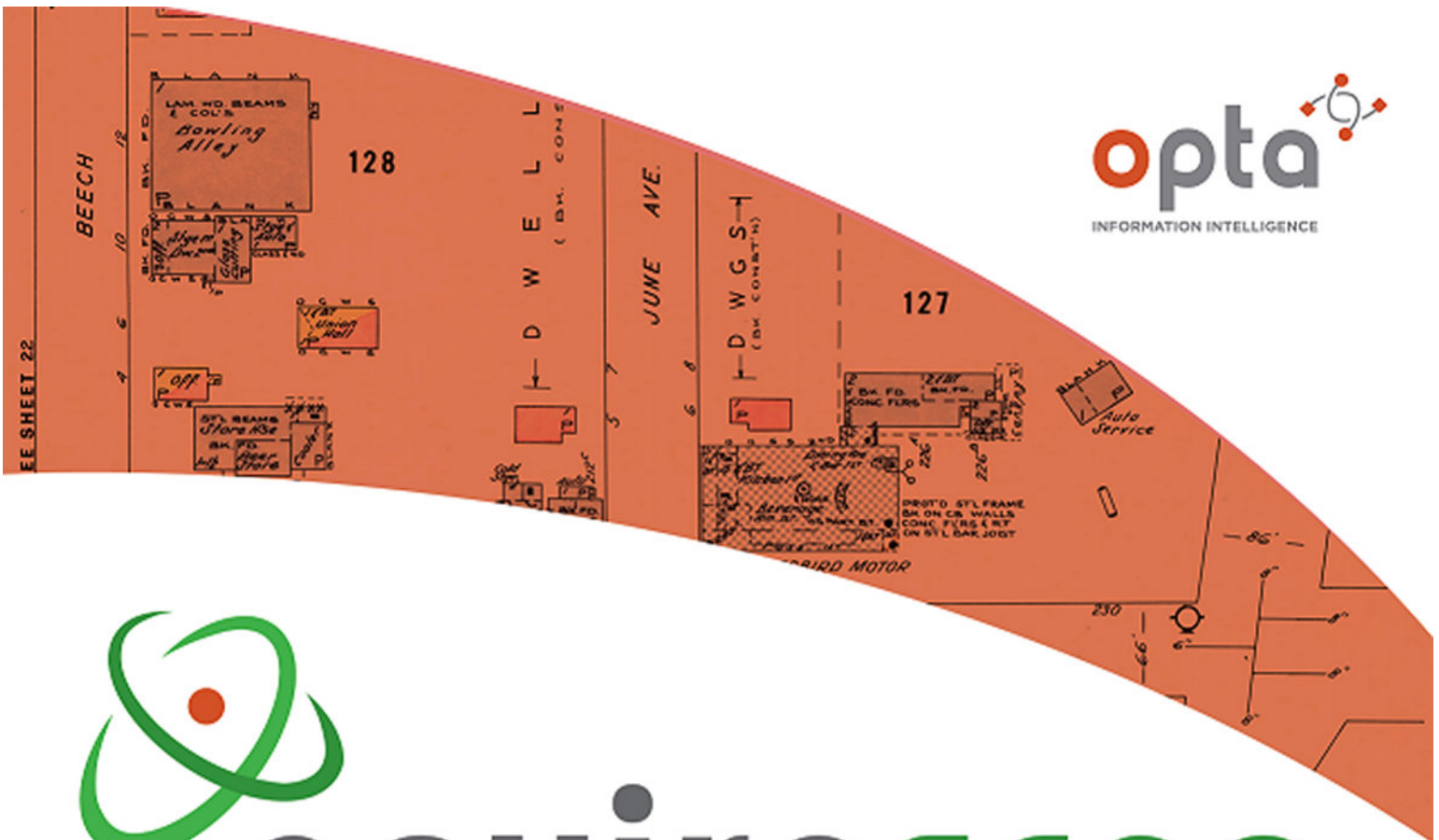
THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED





enviroscan



An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

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

Report Completed By:

Stephanie

Site Address:

1495 Heron Road Ottawa ON

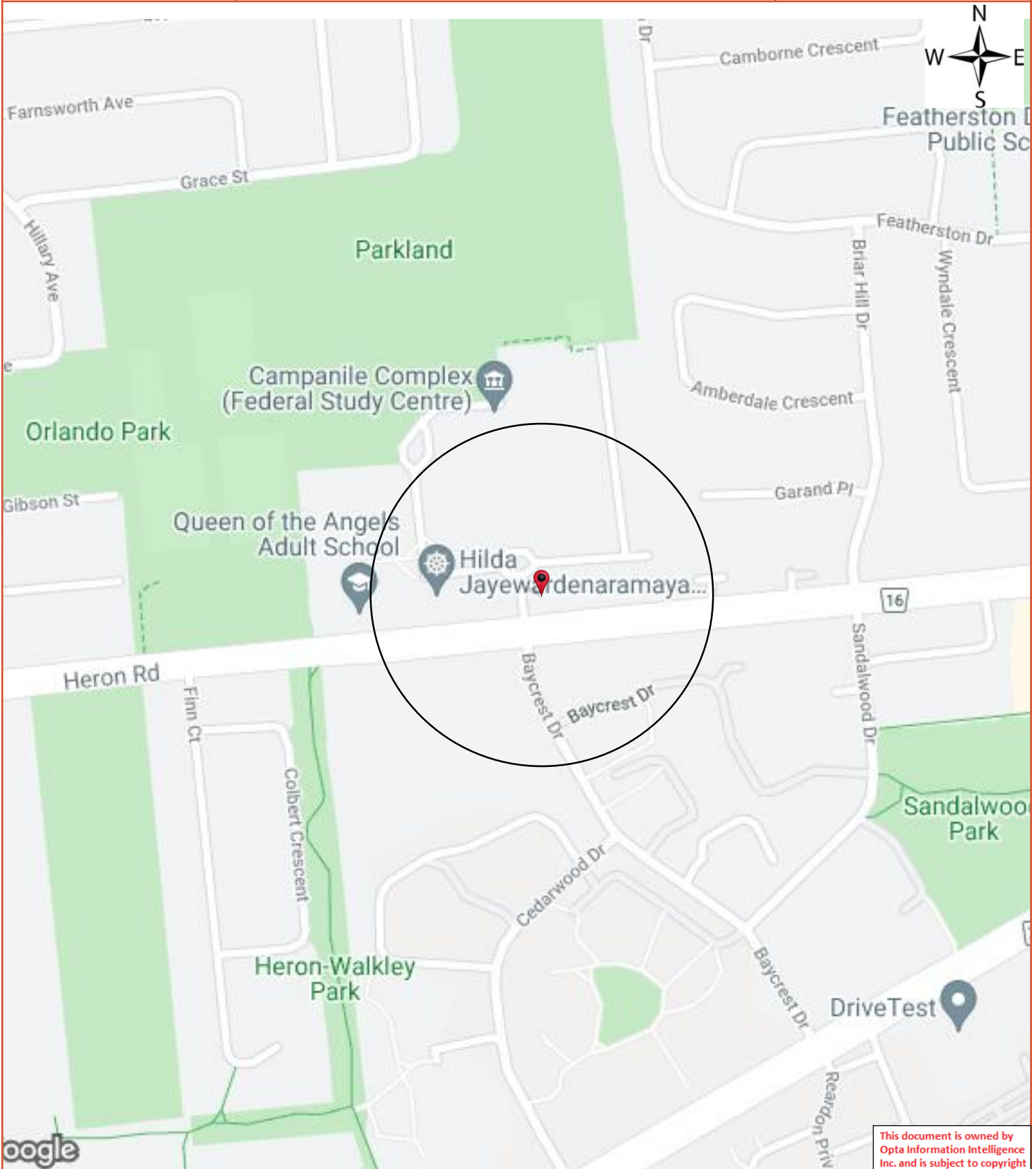
Project No:

21102600510
Opta Order ID:

99137

Requested by:
Eleanor Goolab
Ecolog Eris

Date Completed:
11/2/2021 9:49:14 AM



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Opta Historical Environmental Services EnviroscanTM 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.

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Entire Agreement

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

Governing Document

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

Law

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



175 Commerce Valley Drive W

Markham, Ontario

L3T 7Z3

T: 905.882.6300

Toll Free: 905.882.6300

F: 905.882.6300

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www.optaintel.ca

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



CITY
DIRECTORY

Project Property: *1495 Heron Road, Ottawa, Ontario*
Report Type: *City Directory*
Order No: *21102600510*
Information Source: *Vernon's Ottawa, ON City Directory*
Date Completed: *2021/11/03*

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

City Directory Information Source	
Vernon's Ottawa, ON City Directory	

PROJECT NUMBER: 21102600510	
Site Address:	1495 Heron Road, Ottawa, Ontario
Year: 2011	
Site Listing:	- Snc Lavalin O & M Inc

PROJECT NUMBER: 21102600510	
Site Address:	1495 Heron Road, Ottawa, Ontario
Year: 2005-06	
Site Listing:	- Address Not Listed

PROJECT NUMBER: 21102600510	
Site Address:	1495 Heron Road, Ottawa, Ontario
Year: 2000-01	
Site Listing:	- Ont Govt

PROJECT NUMBER: 21102600510	
Site Address:	1495 Heron Road, Ottawa, Ontario
Year: 1995-96	
Site Listing:	- Centre Jules Leger Bureau

PROJECT NUMBER: 21102600510	
Site Address:	1495 Heron Road, Ottawa, Ontario
Year: 1990	
Site Listing:	- Federal Study Centre Public Works Can

PROJECT NUMBER: 21102600510	
Site Address:	1495 Heron Road, Ottawa, Ontario
Year: 1984	
Site Listing:	- Federal Study Centre Public Works Can

PROJECT NUMBER: 21102600510	
Site Address:	1495 Heron Road, Ottawa, Ontario
Year: 1979	

Site Listing:	- Dept of Transport

PROJECT NUMBER: 21102600510	
Site Address:	1495 Heron Road, Ottawa, Ontario
Year: 1974	
Site Listing:	- Mot

PROJECT NUMBER: 21102600510	
Site Address:	1495 Heron Road, Ottawa, Ontario
Year: 1969	
Site Listing:	- Notre Dame High School

PROJECT NUMBER: 21102600510	
Site Address:	1495 Heron Road, Ottawa, Ontario
Year: 1964	
Site Listing:	- Address Not Listed

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory.



*Fontaine Building
200 Sacré Coeur Blvd. 13th Floor
Gatineau, Québec
K1A 0H3*

Your File / Votre référence
2021-024802 / 02111459.0
Our File / Notre référence
E-2021-01850

January 12, 2022

Mr. Andrew Couturier
DST, a division of Englobe
2150 Thurston Drive, Suite 203
Ottawa, Ontario
K1G 5T9

Dear Mr. Couturier,

This letter is in response to your request under the *Access to Information Act* for:

“Owner: Canada Lands Company CLC Limited

Property: 1495 Heron Road, Ottawa, ON K1H 7B3

Phase 1 ESA, information related to environmental concerns (general correspondence, occurrence reports, abatement), orders, tanks (AST/UST), investigations/prosecutions (with owner/tenant information), waste generator number/classes certificates of approval including air emissions, water, sewage, waste water - industrial discharge, waste systems, and pesticides licenses.

Authorization: {Katherine Constantine}”

After a thorough search, no records were found concerning this request.

Please be advised that you are entitled to file a complaint with the Information Commissioner of Canada concerning the processing of your request within sixty days of the receipt of this notice. In the event you decide to avail yourself of this right, your notice of complaint should be addressed to:

Information Commissioner of Canada
30 Victoria Street
Gatineau, Québec K1A 1H3

If you have any questions regarding this request, please do not hesitate to contact Laurence Gravel-Godin by email at ecatip-ecaiprp@ec.gc.ca.

Yours sincerely,

Original signed by:

Shelley Emmerson
Director, Access to Information and Privacy

Andrew Couturier

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: October 27, 2021 3:37 PM
To: Andrew Couturier
Subject: RE: TSSA Records Request

Caution Do not click on links or open attachments you do not trust.

Attention Assurez-vous que le contenu soit de confiance avant d'ouvrir une pièce jointe ou un hyperlien.

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

NO RECORD FOUND

Hello,

Thank you for your request for confirmation of public information.

- We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at <https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?mid=392> and email the completed form to publicinformationsservices@tssa.org along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

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

Kind regards,

Mariah



Public Information Agent

Facilities and Business Services

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationsservices@tssa.org

www.tssa.org



From: Andrew Couturier <acouturier@dstgroup.com>

Sent: October 27, 2021 12:30 PM

To: Public Information Services
<publicinformationsservices@tssa.org>

Subject: TSSA Records Request

[CAUTION]: This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Hello,

Can you please provide me with all available TSSA records for the following properties located in Ottawa, ON:

- 1495 Heron Rd
- 1481 Heron Rd
- 1461 Heron Rd
- 1480 Heron Rd
- 1490 Heron Rd
- 1440 Heron Rd
- 1678 Amberdale Crescent
- 1682 Amberdale Crescent

Thank you,

Andrew Couturier, B.Sc., C.E.T., EP
Environmental Technician

DST CONSULTING ENGINEERS INC.

A Division of **Englobe**

203 - 2150 Thurston Drive

Ottawa ON, K1G 5T9

Canada

T: 1.877.300.4800 ,255

M: 1.613.697.9326

F: 1.888.979.6772

E: acouturier@dstgroup.com

W: www.dstgroup.com | www.englobecorp.com





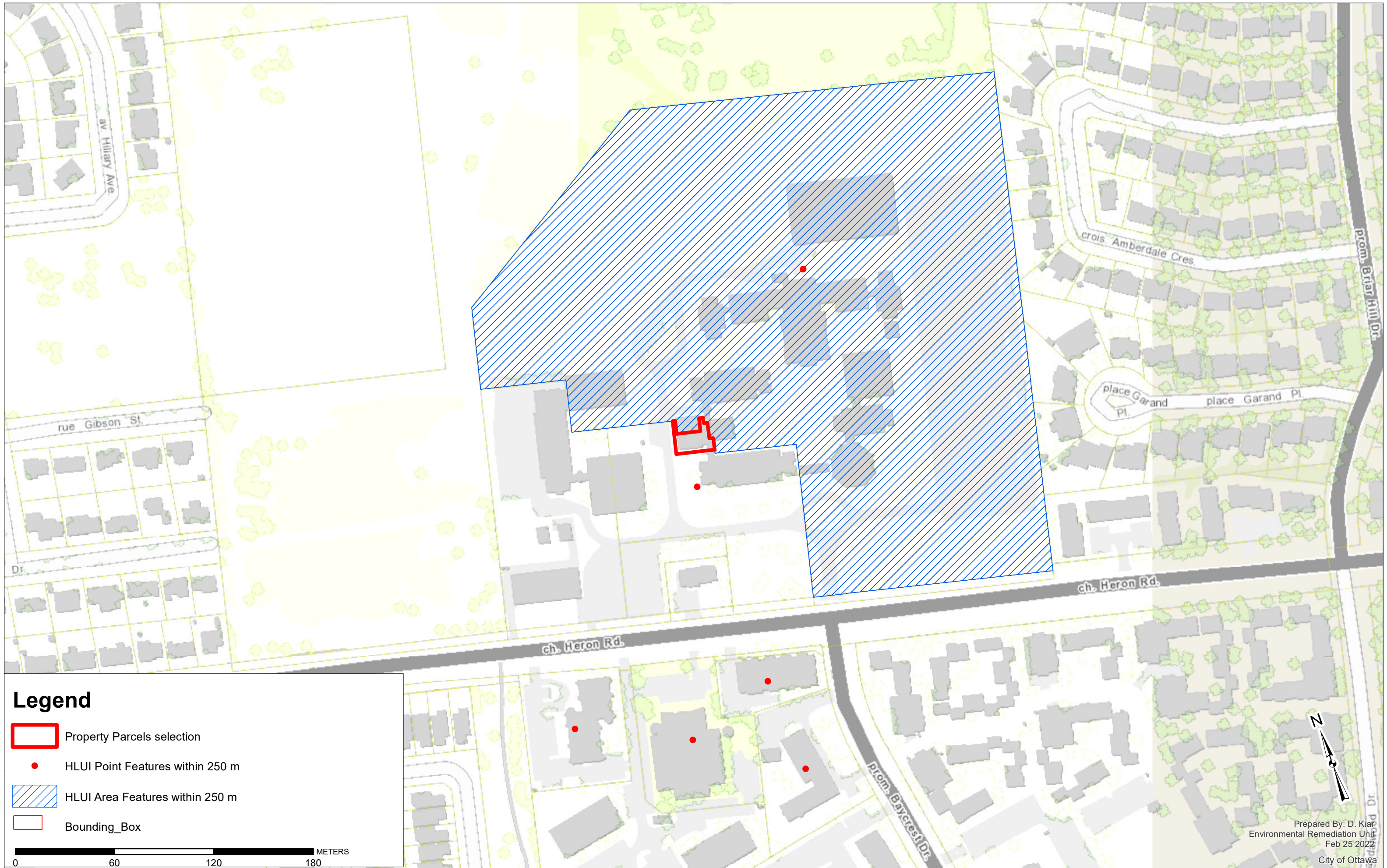
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HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP



Legend

-  Property Parcels selection
-  HLUI Point Features within 250 m
-  HLUI Area Features within 250 m
-  Bounding_Box

0 60 120 180 METERS

HLUI SUMMARY REPORT
POINT FEATURES

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	TANK_LOCATION	TANK_CONTENT	TANK_SIZE	TANK_TYPE	TANK_STATUS	SOURCE	INSTALLED_ST_NUM	INSTALLED_ST_NAME	INSTALLED_ST_ABR	INSTALLED_ST_DIR
2496	NOTRE DAME CONVENT - NEW SECONDARY S	UST		fuel oil	18160	Permit		Bylaw No. 304-60	1480	HERON	RD	
2497	CONGREGATION DE NOTRE-DAME	UST		fuel oil	4540	Permit		Bylaw No. 304-60	2810	BAYCREST	DR	
2525	RC SEPARATE SCHOOL BOARD	UST		fuel oil	9080	Permit		Bylaw No. 304-60	1440	HERON	RD	
2754	NOTRE DAME JUNIOR HIGH SCHOOL	UST		fuel oil	13620	Permit		Bylaw No. 304-60	1495	HERON	RD	
2755	NOTRE DAME JUNIOR HIGH SCHOOL	UST		fuel oil	45400	Existing	Active	Bylaw No. 304-60	1495	HERON	RD	
2924	A J THOMAS		not specified	gasoline	2270	Permit		Bylaw No. 8022	130	BESSERER	ST	

HLUI SUMMARY REPORT
POINT FEATURES

COMMENT	MTM_X	MTM_Y	IMAGE_MAP	IMAGE_CERTAIN TY	IMAGE_MAP_ 2	TANK_MATE RIAL	TANK_ID	TANK_LEAKI NG	TANK_REMO VED	REMOVED_DA TE	DATE_INSTALL ED	NATURE_OF_B USINESS	SCANNED DRAWING
address verified from dwg & geoc	371060.5583	5026905.87	FR300-VAH6100	2			ST3826				05/07/1965		Yes
	371128.7549	5026888.453	FR300-VAH6000	2			ST3827				14/04/1970		Yes
address verified from dwg & geoc	370989.3643	5026912.49	FR300-VAH6100	2			ST3970				28/08/1964		Yes
address verified from dwg & geoc	371128.3584	5027162.732	FR300-VAH6100	2			ST3852				05/04/1965		Yes
address verified from dwg & geoc	371128.3584	5027162.732	FR300-VAH6100	2			ST3851	N	N	1965-004-05	08/06/1964		Yes
	371105.9938	5026941.241					ST1639				15/06/1925		