

Phase One Environmental Site Assessment

715 Mikinak Road
Ottawa, Ontario

Prepared for:
Ottawa Community
Housing Corporation



July 15, 2020

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1. Executive Summary

Lopers & Associates (Lopers) was retained by Ottawa Community Housing Corporation (OCH) to complete a Phase One Environmental Site Assessment (Phase One ESA) of the vacant property with Civic address No. 715 Mikinak Road, Ottawa, Ontario ("Phase One Property", "Property" or "Site").

This Phase One ESA is being completed as part of due diligence requirements associated with the submission of a Development Application to the City of Ottawa Municipal Planning Department.

The Phase One Property was undeveloped prior to the 1950's when initial development was completed as part of CFB Rockcliffe. The north portion of the Phase One Property was formerly occupied by a retail fuel outlet (Canex/Shell), while the remainder of the property was occupied by residential (military) buildings and Rights-of-Way. Decommissioning/demolition of the Property's structures began in the 1990's and the Property was vacant by 2008.

The Property is currently vacant and is zoned for mixed use. The City of Ottawa purchased the Phase One Property in November of 2019, and it is understood that the intended future use is for residential purposes. The Phase One Property is immediately surrounded by municipal Right-of-Ways followed by residential properties under development or proposed parkland.

The presence of a former retail fuel outlet was identified on the north portion of the Phase One Property. This former retail fuel outlet is a significant potentially contaminating activity (PCA) which represents area of potential environmental concern #1 (APEC #1) for the Property. The contaminants of potential concern associated with retail fuelling are generally PHCs and BTEXs, with older facilities also having concerns associated with metals, as lead was historically present in gasoline.

The practice of backfilling following decommissioning, demolition and remediation activities was identified in various locations at the Phase One Property. Backfilling with fill of unknown environmental quality is a significant PCA which represents APEC #2 for the Property. The contaminants of potential concern commonly found in poor environmental quality backfill are PHCs/BTEXs, PAHs and metals.

Four potentially contaminating activities (associated with historical fuel storage tanks) were identified at neighbouring properties in the Phase One Study Area. The PCAs at neighbouring properties in the Phase One Study Area are located significant distances and at down- or cross-gradient orientations with respect to the Phase One Property and are not considered to represent APECs for the Phase One Property.

The PCAs identified at the Phase One Property and neighbouring properties in the Phase One Study Area and APECs at the Phase One Property are included in the following table.

Table 1: Potentially Contaminating Activities and Areas of Potential Environmental Concern

PCA Report Reference No.	Potentially Contaminating Activity	Location	APEC Report Reference No.
1	Former Canex/Shell retail fuel outlet (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	North portion of the Phase One Property	APEC #1
2	Fill placement following decommissioning, demolition and remediation activities (O.Reg. 153/04 PCA Item 30: Importation of Fill Material of Unknown Quality)	Former developed portions of the Phase One Property (various locations)	APEC #2
3	Historical Underground Storage Tanks, waste generator and remediation work (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	156 Via Venus Private (Building No. 80), located approximately 200 m east	Not Applicable
4	Suspected former fuel storage tank(s), waste generator and remediation work (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	164 Via Venus Private, located approximately 150 m north-northwest	Not Applicable
5	Suspected former fuel storage tank(s), waste generator and remediation work (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	Former DND Building, Codd's Road at Via Venus Private, located approximately 200 m west-southwest	Not Applicable
6	Historical Aboveground Storage Tank (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	Building No. 84, located approximately 130 m west	Not Applicable

Based on the identification of PCAs and APECs at the Phase One Property, it is recommended that a Phase Two Environmental Site Assessment be completed to assess the soil and/or groundwater quality in the vicinity of the APECs.

2. Introduction

Lopers & Associates (Lopers) was retained by Ottawa Community Housing Corporation (OCH) to complete a Phase One Environmental Site Assessment (Phase One ESA) of the vacant property with Civic address No. 715 Mikinak Road, Ottawa, Ontario ("Site" or "Phase One Property").

The Phase One Property is legally described as Part of Block 21, on Registered Plan 4M-1581, in the City of Ottawa and has a property identifier number of 04273-0612, as obtained from a Legal Survey completed by Farley, Smiths & Denis Surveying Ltd., on May 12, 2020, provided by OCH; a copy of the Legal Survey is presented in Appendix A.

Based on approximate dimensions obtained from the City of Ottawa's GIS mapping software, the Phase One Property has an approximate area of 12,260 m² (1.23 Hectares) and a zoning designation of GM31 H(30), which signifies a general mixed use zone with a height restriction of 30 m. The approximate elevation of the Phase One Property as indicated on the City of Ottawa mapping and confirmed through Google Earth is between approximately 85 and 88 m above mean sea level (m AMSL). The approximate centre of the Phase One Property has Latitude and Longitude coordinates of 45° 27' 08" N and 75° 37' 53" W and Universal Transverse Mercator (UTM) coordinates of 450622 m E and 5033392 m N.

The Phase One Property is currently owned by The Corporation of the City of Ottawa ("City"). It is Lopers' understanding that OCH has an agreement with the City and intends to redevelop the Phase One Property for residential purposes, including the current concept for construction of approximately three buildings ranging from four to nine storeys in height, with surface parking and subgrade mechanical spaces. A copy of the current Site development design concept plan, as provided by OCH, is presented in Appendix B.

This Phase One ESA was commissioned by Mr. Barron Meyerhoffer, Director of Development for OCH. Ottawa Community Housing Corporation has a business address of 39 Auriga Drive, Ottawa, Ontario, K2E 7Y8 and a business telephone number of 613-731-1182.

3. Scope of Investigation

This Phase One ESA has been completed as per the details of scope presented in Lopers' Letter entitled "Proposal for Phase One Environmental Site Assessment, Proposed Residential Development, 715 Mikinak Road, Ottawa, ON", dated May 6, 2020, reference No. LOP-001A-20-OCH.

The Phase One ESA has been prepared in accordance with the technical requirements and formatting guidance as presented by the Ministry of Environment, Conservation and Parks (MECP) in Ontario Regulation (O.Reg.)153/04, as amended July 1, 2020. This format is based on the provincial regulation for brownfields redevelopment and has been adopted as a standard for the City of Ottawa for development applications.

The scope of work for the Phase One ESA involved the following components:

- Historical Research (Review of available historical reports, public environmental databases, Fire Insurance Plans (FIPs), City Directories, Aerial Photographs, geological mapping and any other relevant environmental records which were readily accessible at the time of the Phase One ESA);
- Requests for Information from the MECP Freedom of Information (FOI), Technical Standards and Safety Authority (TSSA), and City of Ottawa Historical Land Use Inventory (HLUI);
- Subcontracted research of environmental databases through Environmental Risk Information Services (ERIS);
- Property Title Search (available in previous reports and reviewed herein)
- Physical Site inspection
- Interviews with persons knowledgeable about the Property and past uses
- Interpretation of findings
- Preparation of a Phase One ESA report

The specific objectives of the Phase One ESA are to:

- Provide an overview of the Phase One Environmental Site Assessment conducted with respect to the Phase One Property.
- Provide an environmental record of the Phase One Property, in a manner that can be assessed, tested and reconstructed, to document and demonstrate:
 - How the objectives of the Phase One ESA were achieved and how the requirements for the objectives were met;
 - Whether further investigation is required to submit a Record of Site Condition (RSC) for filing;
 - Whether there exists an adequate basis for further investigation; and,
 - The basis for required certifications.

4. Records Review

a) General

i. Phase One Study Area

The Phase One Study Area includes the Phase One Property and properties with the boundaries within 250 m of the Phase One Property limits. Based on a review of the Phase One Property and properties in the Phase One Study Area, their associated historical and/or current uses and operations and physical characteristics of the Phase One Study Area, it was determined that an assessment of properties within 250 m of the Phase One property was sufficient to meet the objectives of the scope of this investigation for a Phase One ESA.

ii. First Developed Use Determination

A land title search was used to develop a “Table of Current and Past Land Use” which was reviewed and approved by the MECP and posted as part of a previously filed RSC for the Phase One Property. The table indicates that the Phase One Property was owned by individuals since at least 1803 until 1949 when ownership transferred to “His Majesty The King”. Prior to 1949 the property use was stated to have been agricultural or other use. In 1950, ownership of the Site was transferred from His Majesty The King to His Majesty The King as represented by the Department of National Defence; in 1950 the property use was stated to be industrial.

Aerial photographs reviewed from 1945 indicate the presence of a Right-of-Way, the former Via Venus Right-of-Way (ROW) on the northern portion of the Site, however, no developed structures were observed. Aerial photographs from the 1950’s indicate the presence of the former Canadian Forces Base and associated residential structures.

Based on the information reviewed as part of this Phase One ESA, specifically the Table of Current and Past Land Use and aerial photographs, the first developed use of the Phase One Property is considered to be 1950.

iii. Fire Insurance Plans

Fire insurance plans (FIPs), were reviewed where available, for the City of Ottawa as part of this Phase One ESA.

There was no coverage in the FIPs for the Phase One Property or for properties located in the Phase One Study Area as part of available FIPs.

iv. Chain of Title

A chronological chain of title was prepared as part of historical research conducted for the previously filed record of site condition (RSC) for the Phase One Property. The table of current and past land use provides the names of historical owners and dates of ownership for the Phase One Property dating back to 1803. Based on additional historical research completed as part of this Phase One ESA and a review of the table of current and past land use, the Phase One Property was agricultural with no developed use prior to 1950. A chain of title ownership summary was prepared dating back to 1944 and is presented below. A copy of the "Table of Current and Past Uses of the Phase One Property" prepared by DST as part of the previously filed RSC for the Phase One Property is provided in Appendix C.

Table 2: Chain of Title Ownership Summary

Year(s)	Phase One Property Ownership
1944-1946	Danis Brunet
1946-1948	Frank Reil and Rachel Duncan
1948-1949	Damian Roy
1949-1950	His Majesty the King
1950-2011	His Majesty The King Canada as represented by the Department of National Defence
2011	Her Majesty The Queen in Right of Canada
2011-2020	Canada Lands Company CLC Limited
November 22, 2019-Present	The Corporation of the City of Ottawa

Based on the chain of title ownership summary there are no defined Potentially Contaminating Activities (PCAs) known to be associated with the ownership of the Phase One Property. Use of the Phase One Property by the Department of National Defence (DND) has the potential to be associated with several PCAs, however, these are not known to have specifically been present at the Phase One Property or in the Phase One Study Area based on ownership alone. Additional research in subsequent sections of this assessment further reviews the use of the Phase One Property by DND.

v. Environmental Reports

OCH provided the following report for review as part of this Phase One ESA:

"Limited Environmental Due Diligence and Groundwater Quality Assessment, October 2019 Sampling Event, 715 Mikinak Road, Ottawa, Ontario", dated November 8, 2019, completed by GHD Limited (Author: Luke Lopers) for Ottawa Community Housing Corporation.

The Limited Environmental Due Diligence and Groundwater Quality Assessment (LEDDGQA) report was completed as preliminary environmental due diligence of the Phase One Property prior purchase by the City of Ottawa. As part of the due diligence, GHD reviewed four environmental reports for the Phase One Property, including:

1. "2010 Phase III Environmental Site Assessment (ESA), Former CANEX/Shell Site, CFB Rockcliffe, Ottawa, Ontario", prepared for Public Works and Government Services Canada (PWGSC), prepared by DST Consulting Engineers (DST), dated September, 2010.
2. "Phase One Environmental Site Assessment, Former CFB Rockcliffe, Ottawa, Ontario", prepared for Canada Lands Company (CLC) Limited, prepared by DST Consulting Engineers (DST), dated March, 2015.
3. "Phase Two Environmental Site Assessment Update, Volume 5, Former CFB Rockcliffe, Ottawa, Ontario", prepared for Canada Lands Company (CLC) Limited, prepared by DST Consulting Engineers (DST), dated May, 2015.
4. "Additional Groundwater Sampling in Support of RSC Submission – RSC 7, Wateridge Development, Former CFB Rockcliffe, Ottawa, Ontario", prepared for Canada Lands Company (CLC) Limited, prepared by DST Consulting Engineers (DST), dated March 13, 2019.

The aforementioned reports summarized by GHD were not provided by OCH as part of this Phase One ESA, and GHD was not able to locate the reference files, so a summary of these reports is based on information provided in the GHD LEDDGQA; it should be noted that the author of the LEDDGQA is the same as the author of this Phase One ESA. The 2015 Phase One ESA by DST was posted on the City of Ottawa Development Applications website, and was reviewed as part of this Phase One ESA.

2010 Phase III Environmental Site Assessment by DST (2010 DST Phase III ESA)

This Phase III ESA was completed after remediation work had been conducted in the vicinity of the former Canex/Shell retail fuel outlet (formerly present on the northern portion of the Phase One Property). A groundwater treatment collection trench, associated with previous remediation works, was removed along with approximately 23 tonnes of contaminated soil at this time. The 2010 DST Phase III ESA consisted of additional delineation test pits which were dug at the Phase One Property, which confirmed the presence of additional Petroleum Hydrocarbons (PHCs) and Benzene, Toluene, Ethylbenzene and Xylenes (BTEXs) soil contamination at the Phase One Property; it was estimated that approximately 1,420 m³ of impacted soil remained. PHC contaminated groundwater was identified based on the presence of visual sheen and free product.

The presence of a former Canex/Shell retail fuel outlet (formerly present on the north portion of the Phase One Property) is a Potentially Contaminating Activity (PCA) associated with Gasoline and Associated Products Storage in Fixed Tanks. This PCA represents Area of Potential Environmental Concern #1 (APEC #1) on the northern portion of the Phase One Property.

2015 Phase One Environmental Site Assessment by DST (2015 DST Phase One ESA)

The 2015 DST Phase One ESA was completed for the entire former CFB Rockcliffe property, which encompasses the Phase One Property and the majority of the Phase One Study Area. The Phase One Property was vacant at the time of this Phase One ESA. It was identified that recycled crushed concrete had been used as backfill for some of the former residential (military) building footprints to the west of the Phase One Property. An Area of Environmental Concern (AEC) was identified with respect to the former Canex/Shell retail fuel outlet at the Phase One Property and a Phase Two ESA was subsequently recommended.

Several additional AECs were noted by DST in the Phase One Study Area, including:

1. Building No. 80, located approximately 230 m east-northeast of the Phase One Property, with associated soil and groundwater concerns with respect to PHCs, polycyclic aromatic hydrocarbons (PAHs), and metals. Two USTs were historically associated with this building.
2. Building No. 84, located approximately 130 m east of the Phase One Property, with associated soil and groundwater concerns with respect to PHCs. An AST was historically associated with this building.
3. Building No. 126, located approximately 200 m northwest of the Phase One Property, with associated soil and groundwater concerns with respect to PHCs and PAHs.
4. A test pit, located approximately 200 m northeast of the Phase One Property, with associated soil concerns with respect to metals.
5. Former residential buildings, depicted to be located west of the northern portion of Phase One Property, with associated soil concerns with respect to PAHs and metals.
6. Building No. 79, located approximately 140 m west of the Phase One Property, with associated soil concerns with respect to PHCs, BTEXs, PAHs and metals.

AEC #1 and #2 (Building 80 and Building 84) are associated with the PCA of storage of gasoline and associated products in fixed tanks. AEC #2 is retained as PCA #6. The locations of PCAs are depicted on Figure 3: Surrounding Land Use and are summarized in Table 4 in Section 7. (b).

AECs #3 and #4 identified above were based on soil and/or groundwater sampling associated with historical investigations and do not necessarily reflect defined PCAs. Based on the locations and orientations of these AECs, they are not considered to represent APECs for the Phase One Property.

AEC #5, associated with the former residential buildings is associated with the PCA of Importation of Fill Material of Unknown Quality; given that there were former residential buildings at the Phase One Property, and fill material has been deposited at the Phase One Property, this PCA is considered to represent APEC #2 for the Phase One Property.

2015 Phase Two Environmental Site Assessment by DST (2015 DST Phase Two ESA)

The 2015 DST Phase Two ESA was completed to assess the AECs identified in the 2015 DST Phase One ESA. As part of this Phase Two ESA, six boreholes were drilled at the former Canex/Shell facility at the Phase One Property. All of the soil and groundwater sample results from the former Canex/Shell facility were in compliance with the applicable Ministry of Environment, Conservation and Parks (MECP) site condition standards. No additional remediation requirements were identified for the Phase One Property.

2019 Groundwater Sampling by DST (2019 GW Sampling)

Groundwater sampling was completed as a response to an MECP request for vertical delineation as part of an RSC application for the Phase One Property. Additional monitoring wells were drilled at the Phase One Property to depths ranging from 8.2 to 9.9 m below ground surface (m BGS). The groundwater sample results were in compliance with the MECP site condition standards.

2019 GHD Groundwater Sampling Program

GHD completed groundwater sampling of four accessible groundwater monitoring wells in the vicinity of the former Canex/Shell facility as well as a monitoring well further to the southwest. The samples were analyzed for PHCs/volatile organic compounds (VOCs)/PAHs/metals and inorganics. All of the groundwater analytical results were in compliance with the MECP site condition standards.

It was noted that no reports documenting the remediation work at the Phase One Property were provided for review for GHD in 2019 or as part of this Phase One ESA.

b) Environmental Source Information

A review of the readily available environmental source information records was completed as part of this Phase One ESA.

As part of environmental source information review, Environmental Risk Information Systems (ERIS) was also contracted to complete a search of their records of environmental data bases within 250 m of the Site. The pertinent search results to this Phase One ESA are presented in the following subsections. A copy of the ERIS database search is included as Appendix D.

National Pollutant Release Inventory

The National Pollutant Release Inventory (NPRI) is a database maintained by Environment and Climate Change Canada (ECCC). Reporting of releases of pollutants into the natural environment are reported annually by corporations and/or their representatives and posted for public record by ECCC. Presently, data is available and posted for the years 1994 through 2017. No records were identified within 250 m of the Phase One Property during a review of the

posted NPRI data on the ECCC electronic website on June 8, 2020 and the results were confirmed through the subcontracted ERIS search, dated May 29, 2020.

Polychlorinated Biphenyl (PCB) Inventories

The MECP, formerly known as the Ministry of Environment and Energy, published the "Ontario Inventory of PCB Storage Sites". The inventory documented the company information, physical address, number of tonnes of liquid PCBs by region. No records were identified within 250 m of the Phase One Property during a review this document and the results were confirmed through the subcontracted ERIS search, dated May 29, 2020.

The ERIS search also reviewed the National PCB Inventory, which details in use PCB containing equipment in federal, provincial and private facilities; this database was last updated in 2008. No records were identified within 250 m of the Phase One Property during a review this database.

Environmental Instruments

Environmental Instruments, such as Environmental Compliance Approvals (ECAs), Permits to Take Water (PTTWs), Risk Management Plans (RMPs), and Certificates of Property Use (CPUs) are maintained by the MECP on a property specific basis and can generally be obtained by submitting a Freedom of Information (FOI) request. If records exist, they can generally be obtained through the MECP through additional communications. The subcontracted ERIS search also confirms the filing of such records associated with properties.

An FOI request was submitted to the MECP as part of this Phase One ESA; however, a response was not received in the timeframe permitted as part of this mandate; a copy of the FOI request is included as Appendix E. The ERIS search did not identify any records of environmental instruments at the Phase One Property, however, one record of an ECA was identified within 250 m of the Phase One Property. An ECA was issued to Mattamy (Rockliffe) Inc. at 775 Mikinak Road, located approximately 110 m east of the Phase One Property, in April of 2019 for municipal and private sewage works. The activity associated with this ECA is not a PCA and does not represent an APEC for the Phase One Property.

Inventory of Coal Gasification Plants

The document "Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, Volume II", produced by Intera Technologies Ltd. for the Ontario Ministry of the Environment, dated July 1988 was reviewed as part of this Phase One ESA. No records were identified within 250 m of the Phase One Property during a review of this document and the results were confirmed through the subcontracted ERIS search, dated May 29, 2020.

Environmental Records of Incidents, Orders, Offences, Spills, Discharges of Contaminants or Inspections maintained by the Ministry

Environmental records of incidents, orders, offences, spills, discharges of contaminants or inspections are maintained by the MECP on a property specific basis and can generally be

obtained by submitting a Freedom of Information (FOI) request. If records exist, they can generally be obtained through the MECP through additional communications. The subcontracted ERIS search also confirms the filing of such records associated with properties.

An FOI request was submitted to the MECP as part of this Phase One ESA; however, a response was not received in the timeframe permitted as part of this mandate; a copy of the FOI request is included as Appendix E. The ERIS search did not identify any records of environmental records at the Phase One Property; however, one record of a spill was identified within 250 m of the Phase One Property. A spill of unchlorinated sewage was recorded at 75 Bishop Private, approximately 150 m north-northwest of the Phase One Property, in April of 2007; this spill is down-gradient with respect to the Phase One Property, and not a PCA and therefore does not represent an APEC for the Phase One Property.

Waste Management Records

Waste management records, including current and historical waste storage locations and waste generator and waste receiver information maintained pursuant to Regulation 347 of the Revised Regulations of Ontario, 1990 (General — Waste Management) made under the Act, or its predecessors are maintained by the MECP on a property specific basis and can generally be obtained by submitting a Freedom of Information (FOI) request. If records exist, they can generally be obtained through the MECP through additional communications. The subcontracted ERIS search also confirms the filing of such records associated with properties.

An FOI request was submitted to the MECP as part of this Phase One ESA, however, a response was not received in the timeframe permitted as part of this mandate; a copy of the FOI request is included as Appendix E. The ERIS search did not identify any records of environmental waste generators at the Phase One Property; however, three properties with records of waste generators were identified within 250 m of the Phase One Property.

Canada Lands Company (CLC) with a property at 156 Via Venus Private, shown to be located approximately 200 m east-northeast of the Phase One Property was listed as a generator of Oil Skimmings and Sludges related to remediation services in 2015. CLC was also registered at the same property in 2011, with no registration details provided. It is suspected that the waste generated is related to the PCA of "Gasoline and Associated Products Storage in Fixed Tanks". Given the separation distance of this property with respect to the Phase One Property and the inferred cross-gradient orientation, this PCA #3 is not considered to represent an APEC for the Phase One Property.

Department of National Defence (DND) and Public Works and Government Services Canada (PWGSC) with a property at 164 Via Venus Private, located approximately 150 m north-northwest of the Phase One Property, was listed as a generator of 24 waste classes from 2001 through 2006 and 2010. Among these waste classes were light fuels, petroleum distillates, waste oils & lubricants, etc., which are suspected to be related to the PCA of "Gasoline and Associated Products Storage in Fixed Tanks". Given the separation distance of this property with respect to

the Phase One Property and the inferred down-gradient orientation, this PCA #4 is not considered to represent an APEC for the Phase One Property.

Department of National Defence (DND) with a property at Codd's Road and Via Venus Private, located approximately 190 m west-southwest of the Phase One Property, was listed as a generator of 24 waste classes from 1998 through 2000. Among these waste classes were light fuels, petroleum distillates, waste oils & lubricants, etc., which are suspected to be related to the PCA of "Gasoline and Associated Products Storage in Fixed Tanks". Given the separation distance of this property with respect to the Phase One Property and the inferred cross-gradient orientation, PCA #5 is not considered to represent an APEC for the Phase One Property.

The locations of these PCAs are depicted on Figure 3: Surrounding Land Use and are summarized in Table 4 in Section 7. (b).

MECP Property Specific Reports

Reports submitted to the Ministry related to environmental conditions are maintained by the MECP on a property specific basis and can generally be obtained by submitting a Freedom of Information (FOI) request. If records exist, they can generally be obtained through the MECP through additional communications. The subcontracted ERIS search also confirms the filing of such records associated with properties.

An FOI request was submitted to the MECP as part of this Phase One ESA; however, a response was not received in the timeframe permitted as part of this mandate; a copy of the FOI request is included as Appendix E. The ERIS search did not identify any records of environmental reports at the Phase One Property, or properties within 250 m of the Phase One Property.

Technical Standards and Safety Authority

Records of retail fuel storage tanks, retail fuel outlets, spills, releases, and other associated information is maintained by the Technical Standards and Safety Authority (TSSA). These records can be obtained through electronic communications with the TSSA. The subcontracted ERIS search also confirms the filing of such records associated with properties.

The TSSA was contacted by email to complete a search of available records associated with the current property address, the known former property address of the former retail fuel outlet and addresses of surrounding properties with historical environmental listings (based on other historical research). The TSSA response, received on June 12, 2020, identified the presence of an expired (decommissioned) gasoline service station and five expired underground fuel storage tanks at 77 Via Venus Private (a former address associated with the north portion of the Site). A copy of the TSSA response is included as Appendix F.

The subcontracted ERIS search identified records of an expired private and retail fuel outlet, underground fuel storage tanks and fuel distribution piping at 77 Via Venus Private. The ERIS search results indicate that the fuel dispensing facility and associated features expired in 1992.

As previously noted, the presence of a retail fuel outlet at the Phase One Property is a PCA and represents APEC #1 for the north portion of the Phase One Property.

Registry Filings

Records of notices and instruments, including records of site condition (RSC), which have been posted in the environmental registry, are maintained by the MECP. These records can be reviewed electronically on the MECP Environmental Site Registry (ESR) website. The website was reviewed for RSCs filed at the Phase One Property; an RSC was filed for the Phase One Property in January of 2020. The supporting documents (Phase One ESA and Phase Two ESA) were not provided for review as part of this Phase One ESA, however, the supporting documents, including the Phase Two Conceptual Site Model, for the RSC filing were reviewed.

Based on the supporting RSC documents, the Phase One Property was used for agricultural or other use until 1950, when the Phase One Property was first developed for industrial use associated with a Canadian Forces Base (CFB). Use for CFB purposes continued until at least 1991; in 2005 the Phase One Property was observed to be vacant.

APECs identified for the Phase One Property included a former Canex/Shell facility on the northern portion of the Phase One Property, with the associated PCA of Gasoline and Associated Products Storage in Fixed Tanks. Additionally, the northern portion of the Phase One Property was also reported to have the associated PCA of Importation of Fill Material of Unknown Quality.

The Phase Two Conceptual Site Model supporting the RSC discussed historical investigations and remediation at the Phase One Property. The RSC was approved by the MECP for the proposed residential land use of the Phase One Property under the Site Condition Standards of Full Depth Generic Site Conditions Standard, with Non-potable Ground Water, Coarse Textured Soil, for Residential property use.

Areas of Natural and Scientific Interest

Records of areas of natural and scientific interest (ANSIs) formerly referred to as areas of natural significance, are maintained by the Ministry of Natural Resources and Forestry (MNRF), and are available for review on the Ontario GeoHub website. The website was reviewed on July 2, 2020 for records of ANSIs in the Phase One Study Area. There were no ANSIs identified within 250 m of the Phase One Property.

Current and Historical Landfills

Records of historical and operating landfills is maintained by the MECP. The document "Waste Disposal Site Inventory", produced by the Ontario Ministry of the Environment, dated June 1991 was reviewed as part of this Phase One ESA. No records were identified within 250 m of the Phase One Property during a review of this document.

The City of Ottawa contracted Golder Associates Ltd. to conduct an inventory and assessment of former waste disposal sites in within the City of Ottawa. The document "Old Landfill

Management Strategy, Phase 1 – Identification of Sites, City of Ottawa, Ontario”, produced by Golder Associates Ltd., finalized October 2004, was reviewed as part of this Phase One ESA. No records were identified within 250 m of the Phase One Property during a review of this document.

City of Ottawa Historical Land Use Inventory

The City of Ottawa’s Planning, Infrastructure and Economic Development department was contacted to complete a search of the Historical Land Use Inventory (HLUI) maintained by the City. The response, received on June 26, 2020, indicated that the HLUI search identified five activities (of environmental significance) associated with the Phase One Property; the same activities were also identified to be associated with two properties in the Phase One Study Area. The listed activities included: Canadian Forces Base, Department of National Defence, Cyrville Gravel Pit, National Capital Commission and National Research Council. It is expected that these listing pertain to historical occupants of CFB Rockcliffe, and may not necessarily have been present at the Phase One Property. None of the identified listed ‘activities’ are PCAs and no APECs were identified for the Phase One Property as part of a review of the HLUI. A copy of the HLUI response letter is included in Appendix G.

c) Physical Setting Sources

i. Aerial Photographs

Aerial Photographs were reviewed for the Phase One Property and Phase One Study Area from available sources as part of the historical review. Aerial photographs were reviewed from historical research previously completed in the Phase One Study Area, Google Earth Aerial Imagery and from the City of Ottawa website. Aerial Photographs were reviewed over the period of 1945 through 2017, which depict development and decommissioning of the Phase One Property. A summary of the information gleaned from the aerial photographs is provided below. Copies of the aerial photographs reviewed are provided in Appendix H.

1945 Aerial Photograph

The Phase One Property appears to be undeveloped or used for agricultural purposes in the 1945 Aerial Photograph. The former Via Venus Private Right-of-Way has been constructed on the northern portion of the Phase One Property. What appears to be an industrial or warehouse building has been constructed to the northwest of the Phase One Property. What appear to be residential (military) buildings are present further east of the Phase One Property, while an airport runway is present further northwest, and a vegetated/treed escarpment is present further to the south.

1965 Aerial Photograph

The Phase One Property has been developed for commercial purposes (suspected retail fuel outlet) to the north of Via Venus Private and by what appear to be eight residential (military)

dwelling to the south of Via Venus Private in the 1965 Aerial Photograph. The former Bishops Private Right-of-Way is present on west and south-central portions of the Phase One Property. Residential (military) dwellings have been constructed immediately east, south and west of the Phase One Property, while further industrial (military) development is present to the north and further to the east and west.

1976 Aerial Photograph

No significant changes appear to have been made to the Phase One Property. The former industrial or warehouse building to the northwest of the Phase One Property appears to have been demolished and an associated reduction in parking to the north of this building was also observed. No other significant changes appear to have occurred in the Phase One Study Area.

1984 Aerial Photograph

No significant changes appear to have been made to the Phase One Property or neighbouring properties in the Phase One Study Area.

1991 Aerial Photograph

No significant changes appear to have been made to the Phase One Property or neighbouring properties in the Phase One Study Area.

1999 Aerial Photograph

The former retail fuel outlet on the northern portion of the Phase One Property appears to have been decommissioned. Some industrial (military) buildings further to the east and west of the Phase One Property appear to have been demolished. No other significant changes appear to have been made to the neighbouring properties in the Phase One Study Area.

2008 Aerial Photograph

The former kiosk building on the northern portion of the Phase One Property appears to have been decommissioned/demolished, while the former residential buildings on the southern portion of the Phase One Property have also been demolished. Additional decommissioning/demolition of additional industrial (military) buildings further to the north and residential buildings to the east, south and west of the Phase One Property appear to have been demolished. No other significant changes appear to have been made to the neighbouring properties in the Phase One Study Area.

2017 Aerial Photograph

All surficial parking areas and former Rights-of-Way at the Phase One Property have been removed and significant soil disturbance is apparent on the northern portion of the Phase One Property. All industrial (military) buildings in the Phase One Study Area appear to have been demolished, while significant earthworks and grading are apparent.

As previously noted, the presence of a retail fuel outlet at the Phase One Property is a PCA and represents APEC #1 for the north portion of the Phase One Property. The placement of fill material of unknown quality at the Phase One Property also represents a PCA and APEC #2 for the formerly developed portions of the Phase One Property.

ii. Topography, Hydrology, Geology

The Ontario Ministry of Natural Resources and Forestry (MNRF) Make a Topographic Map GIS website was used to produce a topographic map showing the location of the Phase One Property, nearby water bodies and the regional topography of the Phase One Study Area. A copy of the Topographic Map is provided in Appendix I. The regional topography in the Phase One Study Area slopes downward to the north, toward the Ottawa River. The Ottawa River is located approximately 1.2 km north of the Phase One Property.

Information on the regional surficial soil was obtained from the Geological Survey of Canada map 1425A titled Surficial Materials and Terrain features Ottawa Hull. Based on a review of the map, the natural soil conditions in the Phase One Study Area consist of "Limestone, dolomite, locally shale, shanstone (Paleozoic); mainly bare, tabular outcrops; includes areas thinly veneered by unconsolidated sediments up to 2 m thick".

Information on the regional bedrock was obtained from the Ontario Geological Survey Map P2716 titled 'Paleozoic Geology Ottawa Area'. Based on a review of the map, the Phase One Study Area is underlain by the Gull River Formation, described as "interbedded silty limestone, lithographic to fine crystalline limestone, oolitic limestone, shale, and fine grained calcareous quartz sandstones".

Well records and borehole logs, obtained from the MECP Water Well Records database, the subcontracted ERIS search and from historical investigations at the Phase One Property were reviewed. Based on these records, the general stratigraphy of the Phase One Property and Phase One Study Area consists of sand and gravel fill, underlain by Silty Clay, occasionally underlain by silty sand.

iii. Fill Materials

The Phase One Property was historically developed with commercial and residential buildings and had associated Right-of-Ways traversing the Property. Granular base fill material is expected to have been used as part of construction of the aforementioned features; this fill type is not considered to represent a PCA, as gravel does not meet the definition of soil. Various remediation work has been completed for the former retail fuel outlet and automotive service garage, which included excavation and off-site disposal of soil, which were subsequently backfilled; the backfilling of these areas is considered to represent a PCA associated with Importation of Fill Material of Unknown Quality. The importation of fill to the Phase One Property represents an APEC on the northern portion of the Phase One Property and the formerly developed portions of the Property where fill material was used.

iv. Water Bodies and Areas of Natural Significance & Ground Water Information

The closest significant water body to the Phase One Property is the Ottawa River, located approximately 1.2 km to the north. There were no areas of natural and scientific interest (ANSIs or areas of natural significance) identified in the Phase One Study Area.

The Phase One Property and Study Area are not located in the vicinity of any well-head protection areas or other designation identified by the City of Ottawa in its official plan for the protection of ground water. The Phase One Study Area is serviced by municipally treated drinking water. No private or agricultural water supply wells are located within the Phase One Study Area.

v. Well Records

Well records and borehole logs, obtained from the MECP Water Well Records database, the subcontracted ERIS search and from historical investigations at the Phase One Property were reviewed. Monitoring well clusters (a total of 10 groundwater monitoring wells) are located on the northern portion of the Phase One Property, in the vicinity of the former retail fuel outlet. Based on these records, the general stratigraphy of the Phase One Property and Phase One Study Area consists of sand and gravel fill, underlain by Silty Clay, occasionally underlain by silty sand. The approximate depth to bedrock is expected to range from 4 to 6 m in the area of the existing monitoring wells at the Phase One Property, with a groundwater table at approximately 2 m below ground surface (m BGS).

d) Site Operating Records

The Phase One Property has not been operated for commercial purposes since circa early 1990's and has undergone at least two ownership changes since that time. Additionally, operating records would have been maintained by the Canadian Forces and are expected to be restricted. As such site operating records were not available for review as part of this Phase One ESA. Since it is known that the Phase One Property did operate as a retail fuel outlet, which is a PCA and considered to represent an APEC for the northern portion of the Phase One Property, the absence of these records is not expected to change the findings or the conclusions of this assessment.

5. Interviews

As discussed above, the Phase One Property has not been operated for commercial purposes since circa early 1990's and has undergone at least two ownership changes since that time. Additionally, personnel familiar with historical operations at the Phase One Property are not expected to be available. As such interviews with personnel familiar with the Phase One Property's operations while it was active were not completed as part of this Phase One ESA.

An interview was conducted as part of a previous Phase One ESA, which was completed by DST for a larger portion of the Rockcliffe CFB, which included the Phase One Property. The interview was conducted in 2014 with Ms. Krista Durie, Project Coordinator with Canada Lands Company CLC Limited (the Phase One Property owner at the time). Ms. Durie had been familiar with the Phase One Property for 11 years at the time of the interview and reportedly had good knowledge of active activities at the Phase One Property and in the Phase One Study Area as well as some knowledge of historical activities. The pertinent findings of the interview as they relate to the Phase One Property subject of this Phase One ESA are provided as follows:

- *"The former CFB Rockcliffe historically covered approximately 323 hectares and extended from the Ottawa River (including the Rockcliffe airport and Aviation and Space Museum lands) going south to the current southern boundary, and east to Blair Road (encompassing the adjacent National Research Council Lands). The western boundary remains similar to the original boundary. Currently, the phase one property [subject of the interview] encompasses approximately 125 hectares;*
- *The Department of National Defence first started occupying the phase one property in approximately the 1890s. Development of the property spanned many years;*
- *The primary purposes of the CFB Rockcliffe were:*
 - *Aerial photography surveying;*
 - *Flight training;*
 - *Air transportation of military personnel and dignitaries;*
 - *Testing and experimentation of aviation equipment; and,*
 - *Military mixed use residential use.*
- *In 1984, CFB Rockcliffe was declared surplus and the process of relocating personnel, equipment and services commenced. The last service/resident departed the phase one property in approximately 2012;*
- *To Ms. Durie's knowledge, the Former CFB Rockcliffe was equipped with only one (1) commercial fuelling outlet, the former Canex (shell) location near Via Venus and Bishop Private. The Canex fuelling outlet was equipped with a dry cleaning depot drop off, no active dry cleaning facilities were located on the base;*
- *No automotive repair/maintenance facilities, manufacturing, waste disposal facilities were present on the base."*

The findings of the interview completed by DST in 2014 are consistent with information gleaned through other historical sources as part of this Phase One ESA.

One PCA, Gasoline and Associated Products Storage in Fixed Tanks, associated with the former Canex/Shell commercial fueling outlet was identified for the Phase One Property as part of the interview. This PCA is considered to represent APEC for the northern portion of the Phase One Property.

6. Site Reconnaissance

a) General Requirements

The Phase One Site Investigation was completed on June 9, 2020 between the hours of 4:00 and 6:00 PM. Weather conditions were sunny with clouds with an ambient air temperature of approximately 24 degrees Celsius. The Phase One Property was vacant at the time of the Site Investigation. The Site Investigation was completed by Mr. Luke Lopers, who is a registered Professional Engineer (Environmental) in the province of Ontario and a Qualified Person (QP) for Environmental Site Assessments, and has been conducting Phase 1 Environmental Site Assessments and environmental reconnaissance since 2006.

Photographs were taken of the exterior of the Phase One Property, documenting any areas of potential environmental concern and areas of disturbed soils, including fill areas, and existing groundwater monitoring wells. A copy of the Photographic Log and written descriptions of the photos are provided in Appendix J.

b) Specific Observations at Phase One Property

The Phase One Property was vacant at the time of the Site Investigation; there were no structures or buildings present. There were no improved (paved) surfaces at the Phase One Property; former Right-of-Ways were apparent; however, the asphalt had been stripped and the ground surface was covered with granular fill material.

Two manholes, which are inactive sewer access manholes, were observed at the Phase One Property; the manholes were approximately 1.2 m in diameter and extended to depths ranging from approximately 2 to 3 m BGS.

No aboveground storage tanks (ASTs) or visual indications of the presence of underground storage tanks (USTs), such as vent and fill pipes or access hatches, were observed as part of the Site Investigation.

No potable water wells were observed at the Phase One Property during the Site Investigation. Ten groundwater monitoring wells, associated with previous investigations by others at the Property were present on the north portion of the Phase One Property, in the vicinity of the

former retail fuel outlet. The Phase One Property is presently vacant and has not been connected to active services, as such, no non-potable water connections were observed. Former underground utility corridors associated with the observed manholes and former sewers at the Phase One Property are expected to be present; one fire hydrant (tagged inactive by the City of Ottawa) was also observed. Only the manholes and fire hydrant were visible at the time of the Site Investigation; it is suspected that these services were present within the former Right-of-Ways at the Phase One Property.

There were no details regarding former heating and cooling systems, including historical fuel sources, for former buildings at the Phase One Property. No drains, pits or sumps were observed as part of the Site Investigation.

Several 205 L steel and plastic drums were observed in the vicinity of the monitoring wells located on the northern portion of the Phase One Property. It is suspected that the drums contain purge water from historical sampling events by others, completed at the Phase One Property. Lopers and OCH have made inquiries to the former consultants as to the environmental quality of the water contained within the drums so that it can be properly disposed of.

There were no septic tanks or leaching beds observed at the Phase One Property as part of the Site Investigation. Given the approximate years (circa 1950) of original development at the Phase One Property, it is expected that former sewage services would have been connected to the municipal sewage treatment system.

Approximately 75% of the Phase One Property was landscaped and covered with grass or low-lying vegetation. The remaining portions of the Phase One Property, including former Right-of-Ways and areas of historic commercial use and environmental remediation were surfaced with granular fill materials (gravel); which generally appeared to have been graded consistent to existing ground surfaces. A depression in the ground surface of approximately 1.5 to 2 m was observed on the northern portion of the Phase One Property; this depression is suspected to be associated with supplemental remediation work, which had removed soil from the Phase One Property.

There were no current or former railway lines, tracks or spurs identified at the Phase One Property or in the Phase One Study Area as part of the Site Investigation.

No surficial staining was observed on the landscaped or gravel covered surfaces of the Phase One Property during the Site Investigation. No stressed vegetation was observed.

The deposition of fill material or unknown quality on the Phase One Property is a PCA and is considered to represent APEC #2.

i. Enhanced Investigation Property

The Phase One Property is not currently operating for any industrial use or any of the following commercial uses: as a garage, as a bulk liquid dispensing facility, including a gasoline outlet, or for the operation of dry cleaning equipment. A record of Site Condition was previously filed for the Phase One Property. The Phase One Property is hence not an enhanced investigation property.

c) Land Use Observations of the Phase One Study Area

Properties in the Phase One Study Area were reviewed from publicly accessible Rights-of-Way as part of the Site Investigation on June 9, 2020. Uses of these lands were noted and any potential presence of PCAs was also assessed. Neighbouring land uses were recorded as follows:

North: Hemlock Road followed by vacant land, being developed for residential purposes.

East: Michael Stoqua Street, followed by residential condominiums (under construction) followed by Moses Tennisco Street, followed by residential condominiums.

South: Mikinak Road, followed by vacant land (proposes Site of future parkland), followed by residential dwellings.

West: Barielle-Snow Street, followed by a property which had been excavated and was being infilled for future development, followed by Codd's Road, followed by Parkland.

Neighbouring land uses are shown on Figure 3: Surrounding Land Use. No indications of PCAs were observed during the review of land use in the Phase One Study Area. The current uses of the neighbouring properties are not considered to represent any APECs for the Phase One Property.

7. Review and Evaluation of Information

a) Current and Past Land Use

The current and past land use of the Phase One Property, dating back to the first developed use, is provided in Table 2 below.

Table 3: Current and Past Land Use

Year	Name of Owner	Description of Property Use	Property Use	Other observations from historical sources
1944-1946	Danis Brunet	Unknown	Agricultural or other use	Property owned by individuals. 1945 aerial photograph shows Property to be undeveloped.
1946-1948	Frank Reil and Rachel Duncan			
1948-1949	Damian Roy			
1949-1950	His Majesty the King			
1950-1992	His Majesty The King Canada as represented by the Department of National Defence	Portion of CFB Rockcliffe Military Base Property Use included retail fuel outlet and residential buildings	Commercial Use and Residential Use	Property occupied by DND. Aerial photographs from 1965 to 1991 show presence of retail fuel outlet and residential buildings at the Property.
1992-2008		Portion of CFB Rockcliffe Military Base Property used for residential purposes	Commercial Use (vacant) and Residential Use	TSSA records indicate retail fuel outlet decommissioned in 1992. Residential buildings visible in aerial photographs until 2002, commercial building visible until 2005.
2008-2011		Vacant	Commercial Use (vacant) and Residential Use (vacant)	Aerial photographs from 2008 through 2017 show Property as vacant. 2020 Site inspection confirms Property is vacant.
2011	Her Majesty The Queen in Right of Canada			
2011-2020	Canada Lands Company CLC Limited			
November 2019-Present	The Corporation of the City of Ottawa			

b) Potentially Contaminating Activity

Two Potentially Contaminating Activities were identified at the Phase One Property and are summarized in Table 3 below.

Table 4: Potentially Contaminating Activities at the Phase One Property

PCA Report Reference No.	Potentially Contaminating Activity	Location
1	Former Canex/Shell retail fuel outlet (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	North portion of the Phase One Property
2	Fill placement following decommissioning, demolition and remediation activities (O.Reg. 153/04 PCA Item 30: Importation of Fill Material of Unknown Quality)	Former developed portions of the Phase One Property (various locations)

Additionally, four PCAs were identified at neighbouring properties in the Phase One Study Area and are summarized in Table 4 below.

Table 5: Potentially Contaminating Activities in the Phase One Study Area

PCA Report Reference No.	Potentially Contaminating Activity	Location
3	Historical Underground Storage Tanks, waste generator and remediation work (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	156 Via Venus Private (Building No. 80), located approximately 200 m east
4	Suspected former fuel storage tank(s), waste generator and remediation work (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	164 Via Venus Private, located approximately 150 m north-northwest
5	Suspected former fuel storage tank(s), waste generator and remediation work (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	Former DND Building, Codd's Road at Via Venus Private, located approximately 200 m west-southwest
6	Historical Aboveground Storage Tank (O.Reg. 153/04 PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks)	Building No. 84, located approximately 130 m west

The PCAs at neighbouring properties in the Phase One Study Area are located significant distances and at down- or cross-gradient orientations with respect to the Phase One Property and are not considered to represent APECs for the Phase One Property.

c) Areas of Potential Environmental Concern

Two PCAs identified are considered to represent APECs for the Phase One Property and are summarized in Table 5 below.

Table 6: Areas of Potential Environmental Concern

APEC Report Reference No.	Location of APEC on Phase One Property	PCA	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, soil and/or Sediment)
1	North portion of the Phase One Property	PCA Item 28: Gasoline and Associated Products Storage in Fixed Tanks	On-site: associated with former retail fuel outlet	PHCs/VOCs Metals	Soil Groundwater
2	Former developed portions of the Phase One Property (various locations)	PCA Item 30: Importation of Fill Material of Unknown Quality	On-site: associated with fill placement following decommissioning, demolition and remediation activities	PHCs/BTEXs PAHs Metals	Soil

The presence of a former retail fuel outlet at the Phase One Property is a significant PCA which represents an APEC for the Property. Given that no reports were provided with logs, plans and analytical data to support and document the completion a remediation program, further investigation is warranted. The contaminants of potential concern associated with retail fuelling are generally PHCs and BTEXs, with older facilities also having concerns associated with metals, as lead was historically present in gasoline.

The practice of backfilling following decommissioning, demolition and remediation activities at the Phase One Property is a significant PCA which represents an APEC for the Property. Given that no reports were provided with analytical data to support the environmental quality of the backfill and that excavated soil with varying degrees of contamination may have been stockpiled on site, it is possible that soil that just passed the then-applicable guidelines was reused as backfill, which warrants further investigation. The contaminants of potential concern commonly found in poor environmental quality backfill are PHCs/BTEXs, PAHs and metals.

d) Phase One Conceptual Site Model

Three Figures are provided to visually depict the Conceptual Site Model. Figure 1: Key Plan shows the location of the Phase One Property within the City of Ottawa. Figure 2: Site Plan depicts the former structures and environmentally significant features at the Phase One Property; this figure is provided with an overlay of the 2017 aerial imagery, which depicts the current general conditions of the Phase One Property. Figure 3: Surrounding Land Use shows the current uses of properties in the Phase One Study Area, location of PCAs and the location of APECs at the Site; this figure is provided with an overlay of the 1991 aerial imagery, which depicts the former developed features at the Phase One Property and in the Phase One Study Area which were generally associated with CFB Rockcliffe.

The Phase One Property is located at Civic No. 715 Mikinak Road, Ottawa, Ontario and has an approximate area of 1.23 Hectares.

The Phase One Property was undeveloped prior to the 1950's when initial development was completed as part of CFB Rockcliffe. The north portion of the Phase One Property was formerly occupied by a retail fuel outlet (Canex/Shell), while the remainder of the property was occupied by residential (military) buildings and Rights-of-Way. Decommissioning/demolition of the Property's structures began in the 1990's and the Property was vacant by 2008.

The Property is currently vacant, is zoned for mixed use. The City of Ottawa purchased the Phase One Property in November of 2019, and it is understood that the intended future use is for residential purposes. The Phase One Property is immediately surrounded by municipal Right-of-Ways followed by residential properties under development or proposed parkland.

The Phase One Study Area includes the Phase One Property and properties with the boundaries within 250 m of the Phase One Property limits. Based on a review of the Phase One Property and properties in the Phase One Study Area, their associated historical and/or current uses and operations and physical characteristics of the Phase One Study Area, it was determined that an assessment of properties within 250 m of the Phase One property was sufficient to meet the objectives of the scope of this investigation for a Phase One ESA.

No water bodies or areas of natural significance are located at the Phase One Property or in the Phase One Study Area. No drinking water wells are located at the Phase One Property and the Phase One Study Area is serviced by municipally treated non-potable water. Ten existing groundwater monitoring wells were present at the Phase One Property; the locations of these wells are presented on Figure 2.

The regional topography in the Phase One Study Area slopes downward to the north, toward the Ottawa River. The Ottawa River is located approximately 1.2 km north of the Phase One Property.

Based on the historical research, the general stratigraphy of the Phase One Property and Phase One Study Area consists of sand and gravel fill, underlain by Silty Clay, occasionally underlain by silty sand. Overburden soils are expected to be up to 2 m thick and underlain by Limestone bedrock. Groundwater is expected at a depth of approximately 2 m BGS and flow in a predominantly northern direction.

The presence of a former retail fuel outlet was identified on the north portion of the Phase One Property. This former retail fuel outlet is a significant PCA which represents APEC #1 for the Property. The contaminants of potential concern associated with retail fuelling are generally PHCs and BTEXs, with older facilities also having concerns associated with metals, as lead was historically present in gasoline.

The practice of backfilling following decommissioning, demolition and remediation activities was identified in various locations at the Phase One Property. Backfilling with fill of unknown environmental quality is a significant PCA which represents APEC #2 for the Property. The contaminants of potential concern commonly found in poor environmental quality backfill are PHCs/BTEXs, PAHs and metals.

Four historical aboveground and underground fuel storage tank locations at neighbouring properties in the Phase One Study Area constitute PCAs. The PCAs at neighbouring properties in the Phase One Study Area are located significant distances and at down- or cross-gradient orientations with respect to the Phase One Property and are not considered to represent APECs for the Phase One Property.

Historically, underground utility service trenches would have been present at the Phase One Property. It is unknown if the former underground utilities were removed, however, if present the former underground utility corridors do have the potential to affect contaminant distribution and transport, as they would create preferential pathways for lateral migration.

Given that APECs have been identified at the Phase One Property, any uncertainty or absence of information obtained in the components of this Phase One ESA are not expected to affect the validity of the conceptual site model.

8. Conclusions

i. Whether Phase Two Environmental Site Assessment Required Before Record of Site Condition Submitted

The presence of a former retail fuel outlet at the Phase One Property was identified during historical research (previous report review, TSSA correspondence, RSC filings, aerial photograph review, interviews). This former retail fuel outlet is a significant potentially contaminating activity which represents an APEC for the Property. Given that no reports were provided with logs, plans and analytical data to support the completion a remediation program, further investigation is warranted. The contaminants of potential concern associated with retail fuelling are generally PHCs and BTEXs, with older facilities also having concerns associated with metals, as lead was historically present in gasoline.

The practice of backfilling following decommissioning, demolition and remediation activities at the Phase One Property was identified during historical research (previous report review, aerial photograph review, Site Inspection). This is a significant potentially contaminating activity which also represents an APEC for the Property. Given that no reports were provided with analytical data to support the environmental quality of the backfill, further investigation is warranted. The contaminants of potential concern commonly found in poor environmental quality backfill are PHCs/BTEXs, PAHs and metals.

Based on the identification of APECs at the Phase One Property, it is recommended that a Phase Two Environmental Site Assessment be completed to assess the soil and/or groundwater quality in the vicinity of the APECs.

ii. Record of Site Condition Based on Phase One Environmental Site Assessment Alone

Given that there were APECs identified at the Phase One Property, a Phase Two Environmental Site Assessment is required before a record of site condition (RSC) may be submitted with respect to all or part of the Phase One Property.

iii. Signatures

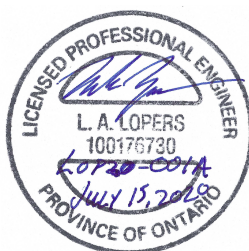
The Qualified Person for this study is Mr. Luke Lopers, P. Eng. Mr. Lopers is a Professional Engineer registered in Ontario since 2012 and has been working on environmental site assessments since 2006. Mr. Lopers has been an author, project manager and/or peer reviewer for hundreds of Phase One ESAs and Phase Two ESAs as well as previously filed RSCs

The reviewer for this study is Mr. Don Plenderleith, P.Eng. Mr. Plenderleith is a Professional Engineer registered in Ontario since 1994 and has authored and/or reviewed hundreds of Phase One and Two ESAs in Ontario and the rest of Canada. The qualifications of the assessor/Qualified Person and reviewer are included in Appendix K.

Sincerely,



Luke Lopers, P.Eng., QP_{ESA}




Don Plenderleith, P.Eng., QP_{ESA}

iv. Limitations

The findings and conclusions of this Phase One ESA are based on the information provided and/or reviewed as part of this study.

This Phase One ESA has been completed with the standard of care generally expected in the industry for a study of this nature.

This Phase One ESA has been prepared for the sole use of Ottawa Community Housing Corporation for the purposes of a due diligence assessment of the potential liabilities which may exist at the Phase One Property. No other party is permitted to rely on the conclusions or findings of this report without the written consent of Lopers & Associates and Ottawa Community Housing Corporation.

There were no portions of the Phase One Property which were inaccessible, or components of this ESA where insufficient information was available to complete the interpretation.

Changes to the physical setting of the Phase One Property, Phase One Study Area and applicable regulations governing Phase One Environmental Site Assessments have the potential to influence the validity of the conclusions and opinions presented in this Phase One ESA.

9. References

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10. Appendices

Appendix A – Legal Survey Plan

Appendix B – Current Proposed Design Concept Plan

Appendix C - Table of Current and Past Uses of the Phase One Property” prepared by DST

Appendix D – Environmental Risk Information Systems (ERIS) database Search

Appendix E – Ministry of Environment, Conservation and Parks Freedom of Information (FOI) Request

Appendix F – Technical Standards and Safety Association Correspondence

Appendix G – City of Ottawa Historic Land Use Inventory (HLUI)

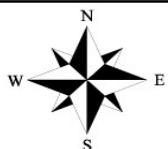
Appendix H – Aerial Photographs

Appendix I – Topographic Map

Appendix J – Photographic Log

Appendix K – Qualifications of Assessors

Figures



LOPERS & ASSOCIATES

Figure 1: Key Plan
 Phase One Environmental Site Assessment
 715 Mikinak Road, Ottawa, Ontario
 Ottawa Community Housing Corporation

Project Reference No: LOP20-001A
 Drawing No.: LOP20-001A-1
 Date: July 2, 2020
 Author: L. Lopers
 Source: geoOttawa, Base Mapping

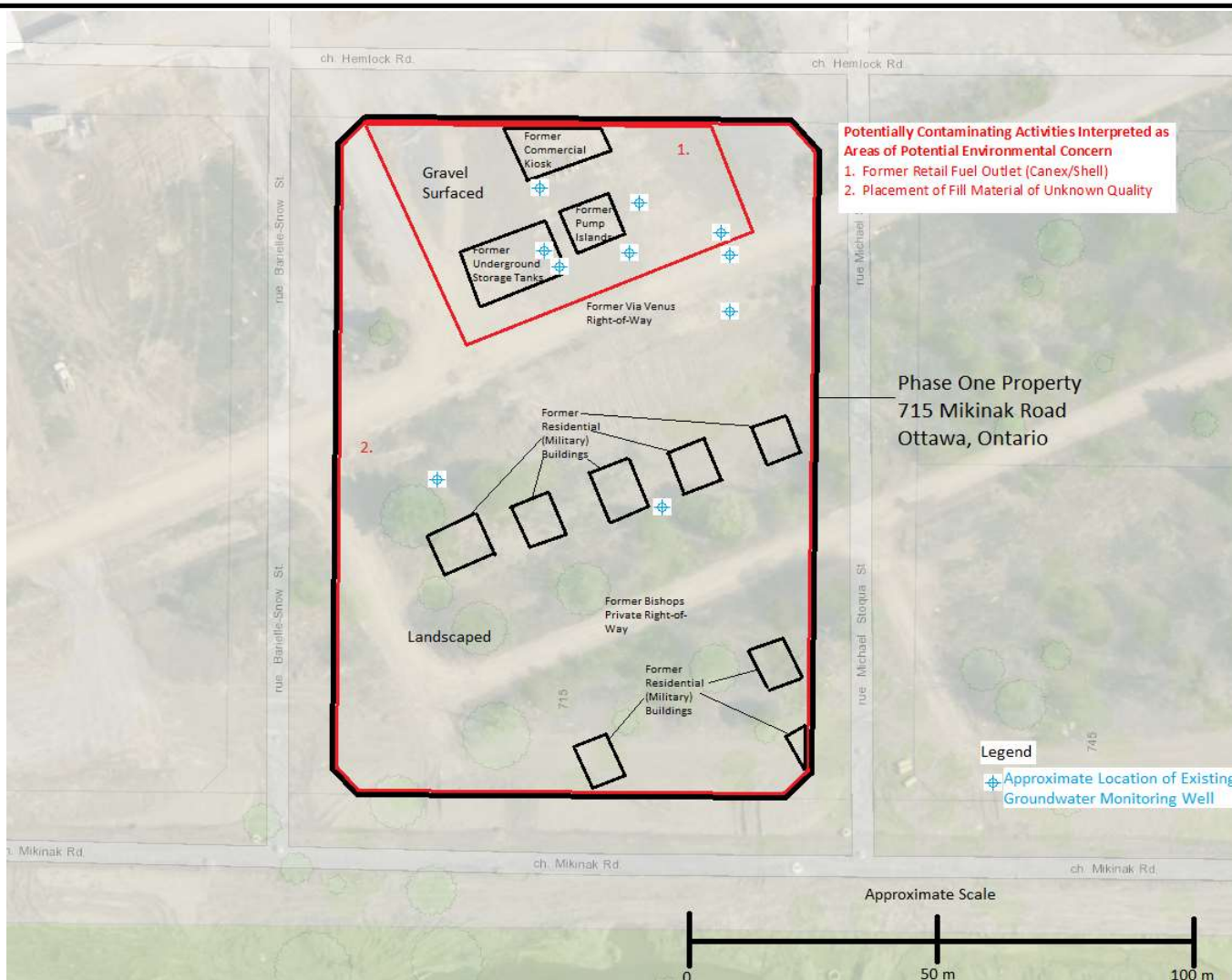


Figure 2: Site Plan
Phase One Environmental Site Assessment
715 Mikinak Road, Ottawa, Ontario
Ottawa Community Housing Corporation

Project Reference No: LOP20-001A
Drawing No.: LOP20-001A-2
Date: July 2, 2020
Author: L. Lopers
Source: geoOttawa, 2017 Aerial Imagery

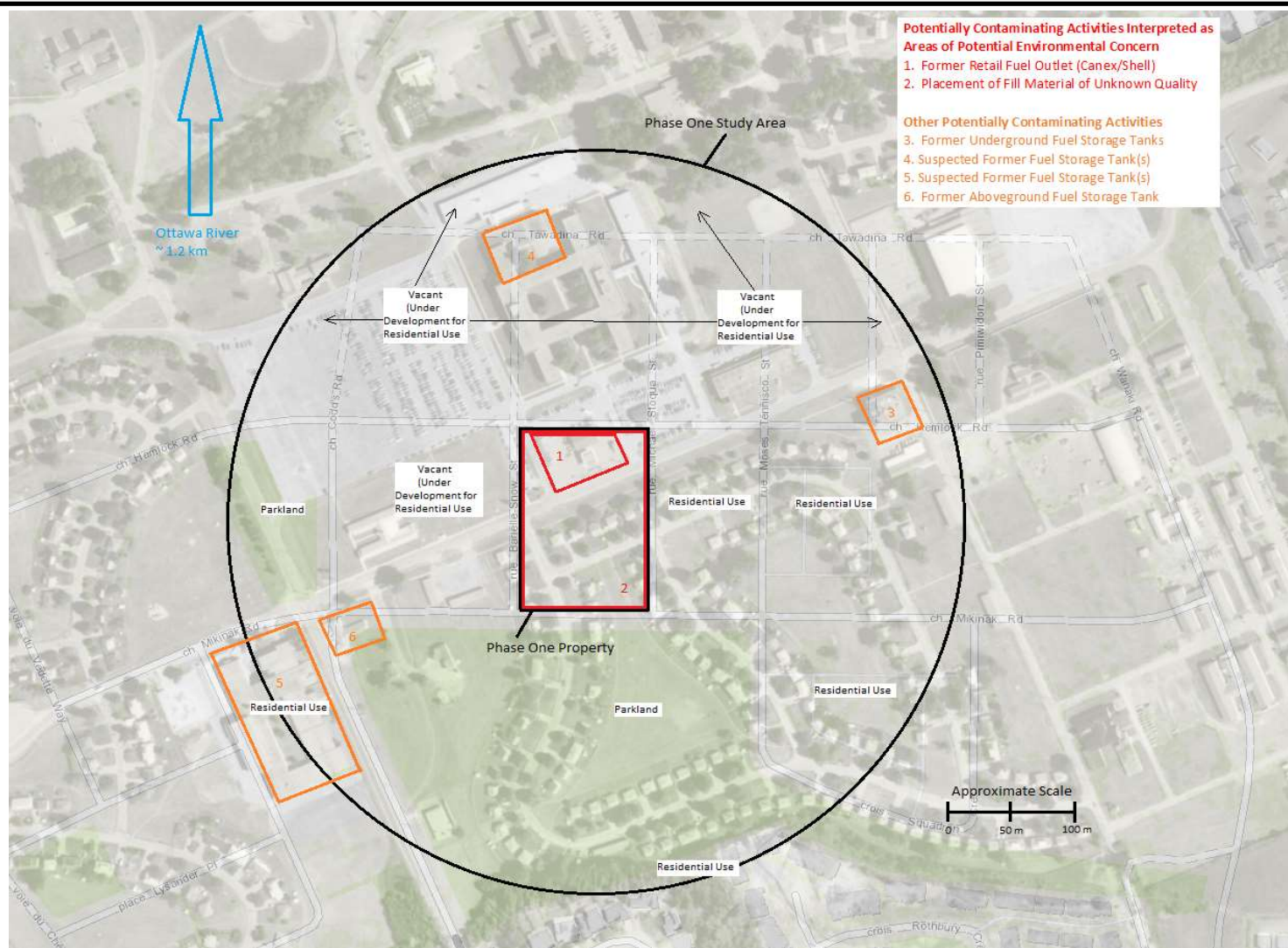


Figure 3: Surrounding Land Use
 Phase One Environmental Site Assessment
 715 Mikinak Road, Ottawa, Ontario
 Ottawa Community Housing Corporation

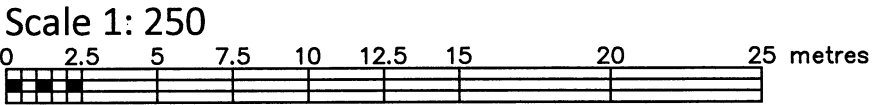
Project Reference No: LOP20-001A
 Drawing No.: LOP20-001A-3
 Date: July 2, 2020
 Author: L. Lopers
 Source: geoOttawa, 1991 Aerial Imagery

Appendix A

Legal Survey Plan

SKETCH SHOWING TOPOGRAPHIC INFORMATION OF
715 MIKINAK ROAD
CITY OF OTTAWA

FARLEY, SMITH & DENIS SURVEYING LTD. 2020



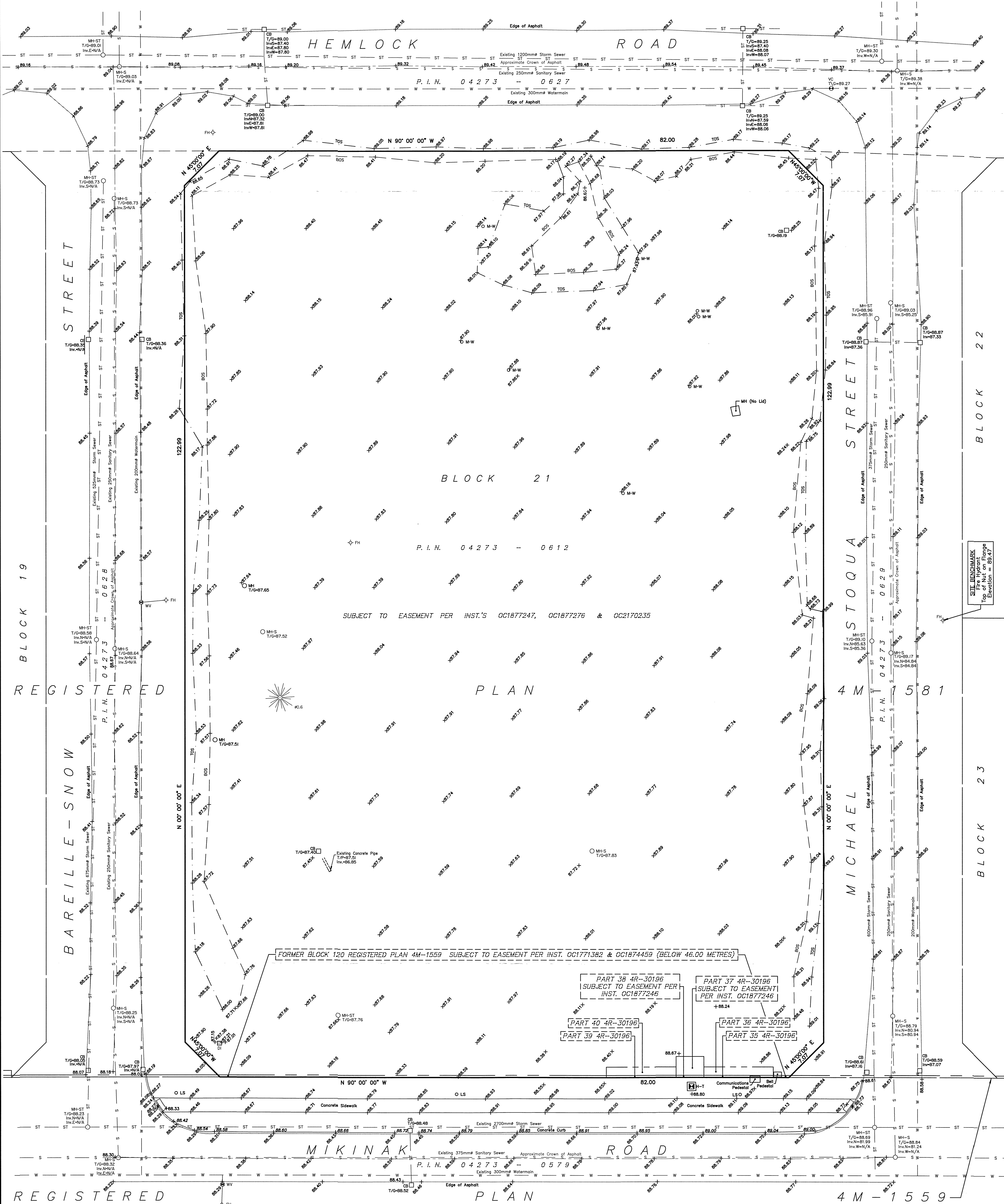
Caution:
a) This is NOT a plan of survey and shall not be used except for the purpose indicated in the title block.
b) This Sketch is protected by Copyright ©

LEGAL DESCRIPTION OF PROPERTY:
BLOCK 21
REGISTERED PLAN 4M-1581
CITY OF OTTAWA

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

Boundary Note
Boundary information compiled from Registered Plan 4M-1581, Plan 4R-30196 and field measurement.

- Elevation Notes
1. Elevations shown are geodetic and are referred to Geodetic Datum CGVD-1928 :1978.
 2. Elevations derived from a benchmark provided by (AOG) at the intersection of Codd's road and Montreal Road having a published elevation of 102.96 metres.
 3. It is the responsibility of the user of this information to verify that the job benchmark has not been altered or disturbed and that its relative elevation and description agrees with the information shown on this drawing.
- Utility Notes
1. This drawing cannot be accepted as acknowledging all of the utilities and it will be the responsibility of the user to contact the respective utility authorities for confirmation.
 2. Only visible surface utilities were located.
 3. Underground utility data derived from City of Ottawa Utility Sheet Reference: Project No. 38298, Drawing No.'s 107, 130, 132 and 133.
 4. Sanitary and storm sewer grades and inverts were derived from Field measurement.
 5. A field location of underground plant by the pertinent utility authority is mandatory before any work involving breaking ground, probing, excavating etc.



Notes & Legend

○ MH-ST	Denotes	Maintenance Hole (Storm)	○ LS	"	Light Standard
○ MH-S	"	Maintenance Hole (Sanitary)	□ H-T	"	Hydro Transformer on Concrete Pad
○ MH-H	"	Maintenance Hole (Hydro)	○ M-W	"	Monitoring Well
○ MH-U	"	Maintenance Hole (Unidentified)	★	"	Coniferous Tree
— ST	"	Underground Storm Sewer	—	"	Property Line
— S	"	Underground Sanitary Sewer			
— W	"	Underground Water			
○ FH	"	Fire Hydrant			
□ CB	"	Catch Basin			
□ DI	"	Ditch Inlet			
□ WV	"	Water Valve			
□ VC	"	Valve Chamber			
T/G	"	Top of Grate			
T/P	"	Top of Pipe			
Inv	"	Invert			
#	"	Diameter			
BOS	"	Bottom of Slope			
TOS	"	Top of Slope			
+65.00	"	Location of Elevations			
+65.00	"	Top of Concrete Curb Elevation			

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Field work was completed on the 12th day of May, 2020.

June 8/20
Date

Daniel Robinson
Ontario Land Surveyor

FARLEY, SMITH & DENIS SURVEYING LTD.

ONTARIO LAND SURVEYORS
CANADA LAND SURVEYORS

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

FILE No.: 118-20

Appendix B

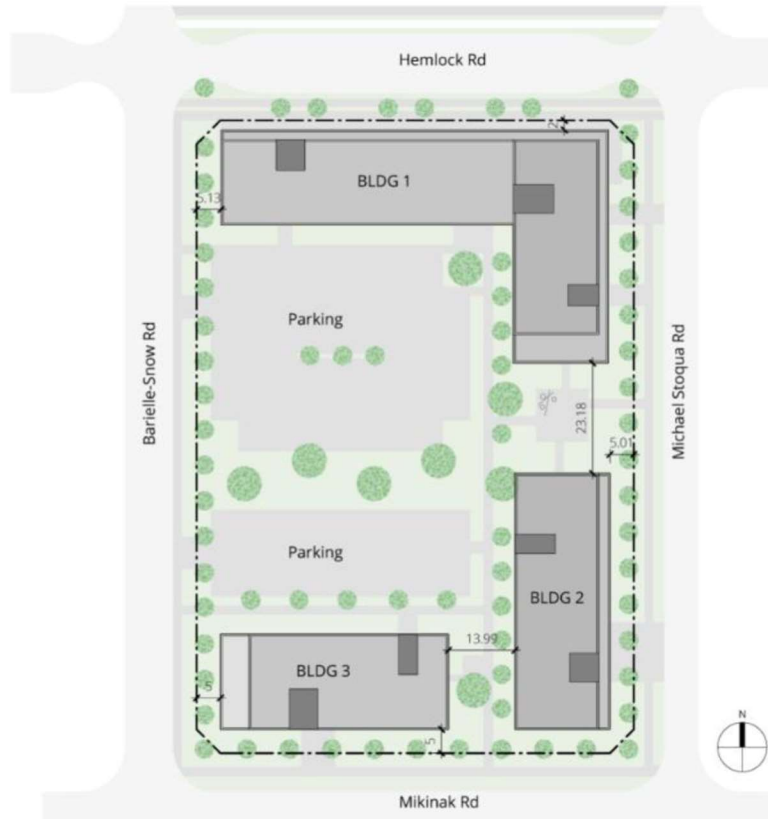
Current Proposed Design Concept Plan

715 MIKINAK ROAD
 SITE DEVELOPMENT CONCEPT
 MAY 2019

VIEW FROM SOUTH WEST



KWC Architects | 302 Patricia Avenue, Suite 201, Ottawa Ontario Canada K1V 9M4 | Phone: (613) 238-2117 | Fax: (613) 238-0305 | E-mail: info@kwc-architects.com



Appendix C

Table of Current and Past Uses of the Phase One Property” prepared by DST

"Table of current and past uses of the phase one property"
(Refer to clause 16(2)(b), Schedule D, O. Reg. 153/04)

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire
May 23, 1803	Hon. W.D. Powell	Unknown	Agricultural or other use	No information available to review
May 9, 1804	John Richardson and John Forsyth	Unknown	Agricultural or other use	No information available to review
October 28, 1829	John Richardson	Unknown	Agricultural or other use	No information available to review
January 14, 1837	John Cameron	Unknown	Agricultural or other use	No information available to review
October 19, 1843	Baptiste Cote	Unknown	Agricultural or other use	No information available to review
September 18, 1849	Antoine Robillard	Unknown	Agricultural or other use	No information available to review
August 21, 1858	Henry Robillard	Unknown	Agricultural or other use	No information available to review

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire
March 17, 1863	James Clarke	Unknown	Agricultural or other use	No information available to review
July 06, 1865	Alexander Robillard	Unknown	Agricultural or other use	No information available to review
November 25, 1871	James Kelly	Unknown	Agricultural or other use	No information available to review
November 14, 1883	Thomas Lusk	Unknown	Agricultural or other use	No information available to review
September 18, 1899	Her Majesty The Queen	Unknown	Agricultural or other use	No information available to review
June 09, 1902	Luciens Alberty	Unknown	Agricultural or other use	No information available to review
January 09, 1904	Henry J. Atwell	Unknown	Agricultural or other use	No information available to review
May 30, 1910	Ubald Gosselin	Unknown	Agricultural or other use	No information available to review

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire
August 23, 1910	Roderick Gosselin	Unknown	Agricultural or other use	No information available to review
November 30, 1912	Robert Laughton	Unknown	Agricultural or other use	No information available to review
December 14, 1915	Hector Vanzieleghe	Unknown	Agricultural or other use	No information available to review
March 02, 1922	Mary E. Moore	Unknown	Agricultural or other use	No information available to review
March 30, 1925	Charles Gosselin	Unknown	Agricultural or other use	No information available to review
February 20, 1926	Edmund Clark	Unknown	Agricultural or other use	No information available to review
September 18, 1928	John Atwell	Unknown	Agricultural or other use	No information available to review
June 24, 1932	Edmund Clark	Unknown	Agricultural or other use	No information available to review

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire
November 23, 1944	Danis Brunet	Unknown	Agricultural or other use	No information available to review
December 10, 1946	Frank Reil and Rachel Duncan	Unknown	Agricultural or other use	No information available to review
January 19, 1948	Damien Roy	Unknown	Agricultural or other use	No information available to review
February 07, 1949	His Majesty The King	Unknown	Agricultural or other use	No information available to review
April 26, 1950	His Majesty The King	Unknown	Agricultural or other use	No information available to review
August 04, 1950	His Majesty The King Canada as represented by the Department of National Defence	CFB Rockcliffe military base	Industrial	No information available to review
August 01, 1952	His Majesty The King	CFB Rockcliffe military base	Industrial	No information available to review
1965	His Majesty The King	CFB Rockcliffe military base	Industrial	Based on Aerial Photographs from 1965 – 1976, Site was developed with a building (Canex Gas Store) and parking lot areas.
1976	His Majesty The King	CFB Rockcliffe military base	Industrial	

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire
1991	His Majesty The King	CFB Rockcliffe military base	Industrial	Based on Aerial Photographs from 1991, Site was developed with a building (Canex Gas Store) and parking lot areas. Based on an Aerial photograph from 2005, Canex Gas Store was demolished. No other buildings remained on-Site.
2005	His Majesty The King	CFB Rockcliffe military base	Industrial	
2007	His Majesty The King	CFB Rockcliffe military base	Industrial	
March 16, 2011	Her Majesty The Queen in Right of Canada	CFB Rockcliffe military base	Industrial	
March 28, 2011	Canada Lands Company CLC Limited	CFB Rockcliffe military base	Industrial	
2013	Canada Lands Company CLC Limited	CFB Rockcliffe military base	Industrial	
2019	Canada Lands Company CLC Limited	CFB Rockcliffe military base	Industrial	

Notes:

1 - For each owner, specify one of the following types of property use (as defined in O. Reg. 153/04) that

applies: Agriculture or other use
Commercial use
Community use
Industrial use
Institutional use
Parkland use
Residential use

2 - When submitting a record of site condition for filing, a copy of this table must be attached

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Appendix D

Environmental Risk Information Systems (ERIS) database Search



DATABASE REPORT

Project Property:	<i>Phase One Environmental Site Assessment 715 Mikinak Road Ottawa ON K1K 2G8</i>
Project No:	<i>LOP20-001</i>
Report Type:	<i>Standard Report</i>
Order No:	<i>20200526045</i>
Requested by:	<i>Lopers & Associates</i>
Date Completed:	<i>June 16, 2020</i>

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Executive Summary

Property Information:

Project Property: *Phase One Environmental Site Assessment
715 Mikinak Road Ottawa ON K1K 2G8*

Project No: *LOP20-001*

Coordinates:

Latitude: *45.4524193*
Longitude: *-75.6315269*
UTM Northing: *5,033,404.40*
UTM Easting: *450,619.30*
UTM Zone: *18T*

Elevation: *288 FT
87.88 M*

Order Information:

Order No: *20200526045*
Date Requested: *May 26, 2020*
Requested by: *Lopers & Associates*
Report Type: *Standard Report*

Historical/Products:

City Directory Search *CD - Subject Site plus 250m Radius*

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	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	1	1
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	4	4
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	16	0	16
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	2	2
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	6	6
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	1	1
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	1	0	1
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	1	1	2
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	3	1	4
		Total:	21	17	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	PRT	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-/0.0	-1.11	19
1	EXP	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-/0.0	-1.11	19
1	EXP	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-/0.0	-1.11	19
1	EXP	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-/0.0	-1.11	19
1	EXP	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON	-/0.0	-1.11	20
1	EXP	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-/0.0	-1.11	20
1	EXP	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-/0.0	-1.11	20
1	EXP	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON	-/0.0	-1.11	20
1	EXP	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON	-/0.0	-1.11	21

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EXP	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON	-/0.0	-1.11	21
1	EXP	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON	-/0.0	-1.11	21
1	EXP	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON	-/0.0	-1.11	21
1	EXP	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-/0.0	-1.11	22
1	EXP	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-/0.0	-1.11	22
1	EXP	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-/0.0	-1.11	22
1	EXP	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-/0.0	-1.11	22
1	EXP	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-/0.0	-1.11	23
1	RSC	CANADA LANDS COMPANY CLC LIMITED	715 MIKINAK ROAD, OTTAWA, ON K1K 3X7 Ottawa ON	-/0.0	-1.11	23

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>2</u>	WWIS		ROCKCLIFFE ON <i>Well ID:</i> 7292671	NE/24.1	-0.54	<u>24</u>
<u>3</u>	WWIS		Ottawa ON <i>Well ID:</i> 7174554	WNW/40.2	-1.31	<u>26</u>
<u>4</u>	WWIS		Ottawa ON <i>Well ID:</i> 7169959	NNW/48.2	-0.31	<u>29</u>

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>5</u>	EHS		Codd's Road Ottawa ON	W/145.2	-3.06	<u>32</u>
<u>5</u>	EHS		355 St Laurent Blvd Ottawa ON K1K2Z7	W/145.2	-3.06	<u>32</u>
<u>5</u>	EHS		355 St Laurent Blvd Ottawa ON K1K 2Z7	W/145.2	-3.06	<u>32</u>
<u>6</u>	GEN	Canada Lands Company	156 Via Venus Ottawa ON	ENE/146.6	2.15	<u>32</u>
<u>6</u>	GEN	Canada Lands Company	156 Via Venus Ottawa ON K1B 4T7	ENE/146.6	2.15	<u>33</u>
<u>7</u>	WWIS		lot 4 con 1 OTTAWA ON Well ID: 1535672	ENE/148.4	1.99	<u>33</u>
<u>8</u>	EHS		RSC 7 - Former CFB Rockcliffe Ottawa ON K1K	NE/149.2	2.00	<u>36</u>
<u>9</u>	GEN	DEPT. OF NATIONAL DEFENCE	CFSU OTTAWA NORTH - ROCKCLIFFE SITE 164 VIA VENUS OTTAWA ON K1A 0K4	NNW/170.4	0.31	<u>36</u>
<u>9</u>	GEN	Department Of National Defence	CFSU OTTAWA NORTH - ROCKCLIFFE SITE 164 VIA VENUS OTTAWA ON K1A 0K4	NNW/170.4	0.31	<u>37</u>
<u>9</u>	SPL	City of Ottawa	75 Bishop Private Ottawa ON K1K 0P4	NNW/170.4	0.31	<u>39</u>
<u>9</u>	HINC		3 CASTOR PVT OTTAWA ON	NNW/170.4	0.31	<u>39</u>
<u>9</u>	GEN	PWGSC	164 Via Venus Ottawa ON	NNW/170.4	0.31	<u>40</u>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<u>10</u>	RSC	CANADA LANDS COMPANY CLC LIMITED	1076-1335 HEMLOCK ROAD, OTTAWA, ON K1K 4Z3 Ottawa ON	WNW/190.3	-1.73	<u>40</u>
<u>11</u>	ECA	Mattamy (Rockcliffe) Inc.	775 Mikinak Rd Ottawa ON K2K 2M5	ESE/216.7	2.97	<u>41</u>
<u>12</u>	GEN	DEPT. OF NATIONAL DEFENCE	CFSU OTTAWA NORTH - ROCKCLIFFE SITE BUILDING 164 - CODDS ROAD & VIA VENUS OTTAWA ON K1A 0K8	WSW/243.2	-6.00	<u>42</u>
<u>13</u>	FCS	Central Heating Plant in Rockcliffe - Disposed to NCC	Ottawa ON	W/248.8	-4.00	<u>43</u>
<u>13</u>	FCS	CFSU(O) Rockcliffe PMQ Trailer Storage Compound	Ottawa ON	W/248.8	-4.00	<u>50</u>

Executive Summary: Summary By Data Source

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-May 31, 2020 has found that there are 1 ECA 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>
Mattamy (Rockcliffe) Inc.	775 Mikinak Rd Ottawa ON K2K 2M5	ESE	216.73	<u>11</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2020 has found that there are 4 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>
	RSC 7 - Former CFB Rockcliffe Ottawa ON K1K	NE	149.25	<u>8</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Codd's Road Ottawa ON	W	145.15	<u>5</u>
	355 St Laurent Blvd Ottawa ON K1K2Z7	W	145.15	<u>5</u>
	355 St Laurent Blvd Ottawa ON K1K 2Z7	W	145.15	<u>5</u>

EXP - List of Expired Fuels Safety Facilities

A search of the EXP database, dated Feb 28, 2017 has found that there are 16 EXP site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON	-	0.00	<u>1</u>

CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-	0.00	<u>1</u>
CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-	0.00	<u>1</u>
CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-	0.00	<u>1</u>
CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-	0.00	<u>1</u>
CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-	0.00	<u>1</u>
CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON	-	0.00	<u>1</u>
CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON	-	0.00	<u>1</u>
CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON	-	0.00	<u>1</u>
CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-	0.00	<u>1</u>
CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-	0.00	<u>1</u>
CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON	-	0.00	<u>1</u>
CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON	-	0.00	<u>1</u>

CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-	0.00	<u>1</u>
CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-	0.00	<u>1</u>
CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-	0.00	<u>1</u>

FCS - Contaminated Sites on Federal Land

A search of the FCS database, dated Jun 2000-Apr 2020 has found that there are 2 FCS site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CFSU(O) Rockcliffe PMQ Trailer Storage Compound	Ottawa ON	W	248.81	<u>13</u>
Central Heating Plant in Rockcliffe - Disposed to NCC	Ottawa ON	W	248.81	<u>13</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jan 31, 2020 has found that there are 6 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>
Canada Lands Company	156 Via Venus Ottawa ON K1B 4T7	ENE	146.62	<u>6</u>
Canada Lands Company	156 Via Venus Ottawa ON	ENE	146.62	<u>6</u>
PWGSC	164 Via Venus Ottawa ON	NNW	170.39	<u>9</u>
DEPT. OF NATIONAL DEFENCE	CFSU OTTAWA NORTH - ROCKCLIFFE SITE 164 VIA VENUS OTTAWA ON K1A 0K4	NNW	170.39	<u>9</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Department Of National Defence	CFSU OTTAWA NORTH - ROCKCLIFFE SITE 164 VIA VENUS OTTAWA ON K1A 0K4	NNW	170.39	<u>9</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
DEPT. OF NATIONAL DEFENCE	CFSU OTTAWA NORTH - ROCKCLIFFE SITE BUILDING 164 - CODDS ROAD & VIA VENUS OTTAWA ON K1A 0K8	WSW	243.15	<u>12</u>

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	3 CASTOR PVT OTTAWA ON	NNW	170.39	<u>9</u>

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 1 PRT site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH	77 VIA VENUS ST OTTAWA ON K1K 0N2	-	0.00	<u>1</u>

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Mar 2020 has found that there are 2 RSC site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CANADA LANDS COMPANY CLC LIMITED	715 MIKINAK ROAD, OTTAWA, ON K1K 3X7 Ottawa ON	-	0.00	<u>1</u>
CANADA LANDS COMPANY CLC LIMITED	1076-1335 HEMLOCK ROAD, OTTAWA, ON K1K 4Z3 Ottawa ON	WNW	190.31	<u>10</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Nov 2019 has found that there are 1 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>
City of Ottawa	75 Bishop Private Ottawa ON K1K 0P4	NNW	170.39	<u>9</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 4 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>
	lot 4 con 1 OTTAWA ON <i>Well ID: 1535672</i>	ENE	148.44	<u>7</u>

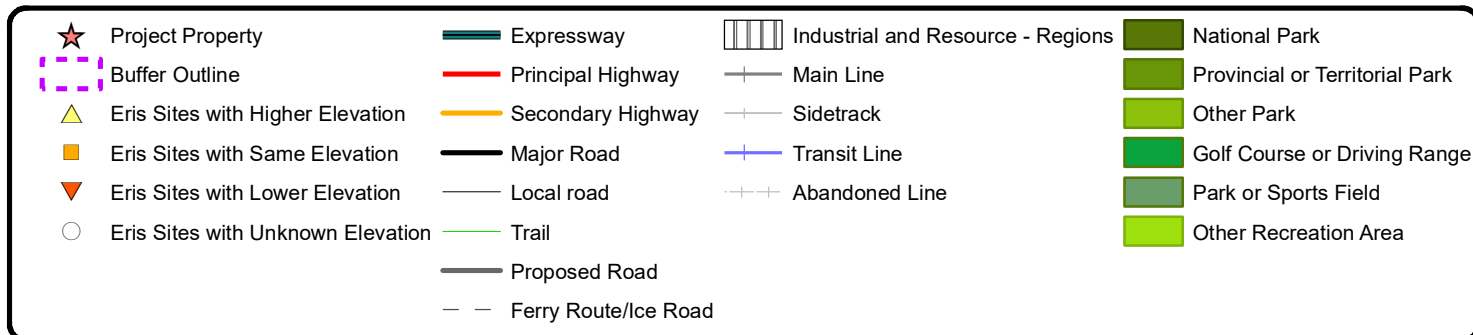
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ROCKCLIFFE ON <i>Well ID: 7292671</i>	NE	24.11	<u>2</u>
	Ottawa ON <i>Well ID: 7174554</i>	WNW	40.24	<u>3</u>
	Ottawa ON <i>Well ID: 7169959</i>	NNW	48.16	<u>4</u>



Map : 0.25 Kilometer Radius

Order Number: 20200526045

Address: 715 Mikinak Road, Ottawa, ON



75°37'30"W

45°27'N

45°27'N



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

Aerial Year: 2019

Address: 715 Mikinak Road, Ottawa, ON

Source: ESRI World Imagery

Order Number: 20200526045



© ERIS Information Limited Partnership

75°39'W

75°37'30"W

45°28'30"N

45°28'30"N

45°27'N

45°27'N



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

Address: 715 Mikinak Road, ON

Source: ESRI World Topographic Map

Order Number: 20200526045



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 18	-/0.0	86.8 / -1.11	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH 77 VIA VENUS ST OTTAWA ON K1K 0N2	PRT
Location ID: Type: Expiry Date: Capacity (L): Licence #:		11131 retail 1992-10-31 0 0012161001			
1	2 of 18	-/0.0	86.8 / -1.11	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH 77 VIA VENUS ST OTTAWA ON K1K 0N2	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		9466243 FS Facility EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: 9/16/1992			
1	3 of 18	-/0.0	86.8 / -1.11	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH 77 VIA VENUS ST OTTAWA ON K1K 0N2	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		10907753 FS Liquid Fuel Tank EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: 9/16/1992			
1	4 of 18	-/0.0	86.8 / -1.11	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH 77 VIA VENUS ST OTTAWA ON K1K 0N2	EXP
Instance No: Instance ID: Instance Type: Description:		10907738 FS Liquid Fuel Tank			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		EXPIRED			
1	5 of 18	-/0.0	86.8 / -1.11	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH 77 VIA VENUS ST OTTAWA ON	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		10907690 51475 FS Liquid Fuel Tank FS Liquid Fuel Tank EXPIRED			
1	6 of 18	-/0.0	86.8 / -1.11	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH 77 VIA VENUS ST OTTAWA ON K1K 0N2	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		10907705 FS Liquid Fuel Tank EXPIRED			
1	7 of 18	-/0.0	86.8 / -1.11	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH 77 VIA VENUS ST OTTAWA ON K1K 0N2	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		10907720 FS Liquid Fuel Tank EXPIRED			
1	8 of 18	-/0.0	86.8 / -1.11	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH 77 VIA VENUS ST OTTAWA ON	EXP
Instance No: Instance ID:		10907762 51028			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		FS Piping FS Piping EXPIRED			
1	9 of 18	-/0.0	86.8 / -1.11	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH 77 VIA VENUS ST OTTAWA ON	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		10907699 51563 FS Piping FS Piping EXPIRED			
1	10 of 18	-/0.0	86.8 / -1.11	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH 77 VIA VENUS ST OTTAWA ON	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		10907729 51629 FS Piping FS Piping EXPIRED			
1	11 of 18	-/0.0	86.8 / -1.11	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH 77 VIA VENUS ST OTTAWA ON	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		10907714 51902 FS Piping FS Piping EXPIRED			
1	12 of 18	-/0.0	86.8 / -1.11	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH 77 VIA VENUS ST OTTAWA ON	EXP

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Instance No: 10907744 Instance ID: 52799 Instance Type: FS Piping Description: FS Piping Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:					
1	13 of 18	-/0.0	86.8 / -1.11	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH 77 VIA VENUS ST OTTAWA ON K1K 0N2	EXP
Instance No: 10907753 Instance ID: Instance Type: FS Liquid Fuel Tank Description: FS Gasoline Station - Self Serve Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: FS Liquid Fuel Tank Expired Date: 9/16/1992					
1	14 of 18	-/0.0	86.8 / -1.11	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH 77 VIA VENUS ST OTTAWA ON K1K 0N2	EXP
Instance No: 10907738 Instance ID: Instance Type: FS Liquid Fuel Tank Description: FS Gasoline Station - Self Serve Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: FS Liquid Fuel Tank Expired Date: 9/16/1992					
1	15 of 18	-/0.0	86.8 / -1.11	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH 77 VIA VENUS ST OTTAWA ON K1K 0N2	EXP
Instance No: 10907690 Instance ID: Instance Type: FS Liquid Fuel Tank Description: FS Gasoline Station - Self Serve Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: FS Liquid Fuel Tank Expired Date: 9/16/1992					
1	16 of 18	-/0.0	86.8 / -1.11	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH 77 VIA VENUS ST	EXP

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
OTTAWA ON K1K 0N2					
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		10907705 FS Liquid Fuel Tank FS Gasoline Station - Self Serve EXPIRED			
<u>1</u>	17 of 18	-0.0	86.8 / -1.11	CANADIAN FORCES EXCHANGE C F B OTTAWA NORTH 77 VIA VENUS ST OTTAWA ON K1K 0N2	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		10907720 FS Liquid Fuel Tank FS Gasoline Station - Self Serve EXPIRED			
<u>1</u>	18 of 18	-0.0	86.8 / -1.11	CANADA LANDS COMPANY CLC LIMITED 715 MIKINAK ROAD, OTTAWA, ON K1K 3X7 Ottawa ON	RSC
RSC ID: RA No: RSC Type: Curr Property Use: Ministry District: Filing Date: Date Ack: Date Returned: Restoration Type: Soil Type: Criteria: CPU Issued Sect 1686: Asmt Roll No: Prop ID No (PIN): Property Municipal Address: Mailing Address: Latitude & Latitude: UTM Coordinates: Consultant: Legal Desc: Measurement Method: Applicable Standards: RSC PDF:	226318 Phase 1 and 2 RSC Industrial Ottawa District Office 2020/01/07 04273-0612 (LT) 715 MIKINAK ROAD, OTTAWA, ON K1K 3X7	Cert Date: Cert Prop Use No: Intended Prop Use: Qual Person Name: Stratified (Y/N): Audit (Y/N): Entire Leg Prop. (Y/N): Accuracy Estimate: Telephone: Fax: Email:	Residential GEORGE THOMAS		
Document(s) Detail					
Document Heading: Document Name:	Supporting Documents 1 - Certificate of Status.pdf				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Document Type: Document Link:		Certificate of Status https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=121131&fileName=1++Certificate+of+Status.pdf			
Document Heading: Document Name: Document Type: Document Link:		Supporting Documents PhaseTwo.pdf Phase 2 Conceptual Site Model https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=122941&fileName=PhaseTwo.pdf			
Document Heading: Document Name: Document Type: Document Link:		Supporting Documents 2 - Lawyers Letter.PDF Lawyer's letter consisting of a legal description of the property https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=121132&fileName=2++Lawyers+Letter.PDF			
Document Heading: Document Name: Document Type: Document Link:		Supporting Documents 3 - Instrument of Grant.PDF Copy of any deed(s), transfer(s) or other document(s) https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=121126&fileName=3++Instrument+of+Grant.PDF			
Document Heading: Document Name: Document Type: Document Link:		Supporting Documents APECTable.pdf Area(s) of Potential Environmental Concern https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=122942&fileName=APECTable.pdf			
Document Heading: Document Name: Document Type: Document Link:		Supporting Documents 4 - Survey.pdf A Current plan of Survey https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=121123&fileName=4++Survey.pdf			
Document Heading: Document Name: Document Type: Document Link:		Supporting Documents 7 - Current and Past Use Table.pdf Table of Current and Past Property Use https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=121127&fileName=7++Current+and+Past+Use+Table.pdf			

2	1 of 1	NE/24.1	87.3 / -0.54	ROCKCLIFFE ON	WWIS
Well ID:	7292671			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring			Date Received:	8/17/2017
Sec. Water Use:	Public			Selected Flag:	Yes
Final Well Status:	Replacement Well			Abandonment Rec:	
Water Type:				Contractor:	7543
Casing Material:				Form Version:	7
Audit No:	Z217815			Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Bore Hole Information</u>					
Bore Hole ID:	1006711537			Elevation:	88.503273
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	450630
Code OB Desc:				North83:	5033426
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	6
Date Completed:	6/30/2017			UTMRC Desc:	margin of error : 300 m - 1 km
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006832379				
Layer:	1				
Color:					
General Color:					
Mat1:	05				
Most Common Material:	CLAY				
Mat2:					
Other Materials:					
Mat3:	73				
Other Materials:	HARD				
Formation Top Depth:	0				
Formation End Depth:	3				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006832380				
Layer:	2				
Color:					
General Color:					
Mat1:	11				
Most Common Material:	GRAVEL				
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:	3				
Formation End Depth:	16.3				
Formation End Depth UOM:	ft				
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:	1006832388				
Layer:	1				
Plug From:	0				
Plug To:	5				
Plug Depth UOM:	ft				
<u>Method of Construction & Well</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:		AUGER			
<u>Pipe Information</u>					
Pipe ID:		1006832378			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006832383			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		-3			
Depth To:		6.3			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1006832384			
Layer:		1			
Slot:		10			
Screen Top Depth:		6.3			
Screen End Depth:		16.3			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.5			
<u>Hole Diameter</u>					
Hole ID:		1006832381			
Diameter:		10			
Depth From:		0			
Depth To:		16.3			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

<u>3</u>	1 of 1	WNW/40.2	86.6 / -1.31	Ottawa ON	WWIS
Well ID:		7174554		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Test Hole		Date Received:	
Sec. Water Use:				Selected Flag:	
Final Well Status:		Abandoned Monitoring and Test Hole		Abandonment Rec:	
Water Type:				Contractor:	
Casing Material:				Form Version:	
Audit No:		Z134641		Owner:	
Tag:				Street Name:	
Construction Method:				County:	
				BISHOP AVE. AT VIAVENUS AVE. AREA NOW DEMOLISHED OTTAWA-CARLETON	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	OTTAWA CITY
<u>Bore Hole Information</u>					
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:	1003629406			Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	88.27774 18 450586 5033427 UTM83 3 margin of error : 10 - 30 m wwr
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	1004043068				
	4				
	6				
	BROWN				
	28				
	SAND				
	4.11				
	4.57				
	m				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	1004043066				
	2				
	6				
	BROWN				
	01				
	FILL				
	05				
	CLAY				
	84				
	SILTY				
	0.02				
	0.76				
	m				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004043065			
Layer:		1			
Color:		8			
General Color:		BLACK			
Mat1:					
Most Common Material:					
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		0.02			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004043067			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		84			
Other Materials:		SILTY			
Mat3:					
Other Materials:					
Formation Top Depth:		0.76			
Formation End Depth:		4.11			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004043076			
Layer:		2			
Plug From:		0.3			
Plug To:		4.57			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004043075			
Layer:		1			
Plug From:		0			
Plug To:		0.3			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:		HS AUGER			
<u>Pipe Information</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Pipe ID:		1004043064			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1004043071			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		1.6			
Casing Diameter:		5.2			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
 <u>Construction Record - Screen</u>					
Screen ID:		1004043072			
Layer:		1			
Slot:		10			
Screen Top Depth:		1.6			
Screen End Depth:		4.57			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6			
 <u>Water Details</u>					
Water ID:		1004043070			
Layer:		1			
Kind Code:					
Kind:					
Water Found Depth:		1.57			
Water Found Depth UOM:		m			
 <u>Hole Diameter</u>					
Hole ID:		1004043069			
Diameter:		22			
Depth From:		0			
Depth To:		4.57			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<hr/>					
4	1 of 1	NNW/48.2	87.6 / -0.31	Ottawa ON	WWIS
Well ID:	7169959			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	10/12/2011
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z134403			Owner:	
Tag:	A106720			Street Name:	197 VIA VENUS PVT
Construction				County:	OTTAWA-CARLETON

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Method:				Municipality:	OTTAWA CITY
Elevation (m):				Site Info:	
Elevation Reliability:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Flowing (Y/N):				UTM Reliability:	
Flow Rate:					
Clear/Cloudy:					
 <u>Bore Hole Information</u>					
Bore Hole ID:	1003579056			Elevation:	88.506744
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	450612
Code OB Desc:				North83:	5033452
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	3
Date Completed:	9/22/2011			UTMRC Desc:	margin of error : 10 - 30 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1004001822				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:	01				
Most Common Material:	FILL				
Mat2:	13				
Other Materials:	BOULDERS				
Mat3:	28				
Other Materials:	SAND				
Formation Top Depth:	0				
Formation End Depth:	4.57				
Formation End Depth UOM:	m				
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1004001823				
Layer:	2				
Color:	2				
General Color:	GREY				
Mat1:	15				
Most Common Material:	LIMESTONE				
Mat2:					
Other Materials:					
Mat3:	73				
Other Materials:	HARD				
Formation Top Depth:	4.57				
Formation End Depth:	9.14				
Formation End Depth UOM:	m				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004001831			
Layer:		1			
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004001833			
Layer:		3			
Plug From:		7.32			
Plug To:		9.14			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004001832			
Layer:		2			
Plug From:		0.31			
Plug To:		7.32			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004001821			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004001826			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		-2			
Depth To:		7.62			
Casing Diameter:		5.2			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004001827			
Layer:		1			
Slot:		10			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Top Depth: 7.62 Screen End Depth: 9.14 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 6.03					
Hole Diameter					
Hole ID: 1004001824 Diameter: 11.43 Depth From: 0 Depth To: 9.14 Hole Depth UOM: m Hole Diameter UOM: cm					
<u>5</u>	1 of 3	W/145.2	84.8 / -3.06	Codd's Road Ottawa ON	EHS
Order No: 20131223029 Status: C Report Type: RSC Report (Urban) Report Date: 07-JAN-14 Date Received: 23-DEC-13 Previous Site Name: Lot/Building Size: 1,450,000 square meters Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory					
Nearest Intersection: Municipality: Ottawa Client Prov/State: ON Search Radius (km): .3 X: -75.633319 Y: 45.45276					
<u>5</u>	2 of 3	W/145.2	84.8 / -3.06	355 St Laurent Blvd Ottawa ON K1K2Z7	EHS
Order No: 20160920022 Status: C Report Type: RSC Report - Quote Report Date: 26-SEP-16 Date Received: 20-SEP-16 Previous Site Name: Lot/Building Size: Additional Info Ordered: Title Searches					
Nearest Intersection: Municipality: ON Client Prov/State: ON Search Radius (km): .25 X: -75.633319 Y: 45.45276					
<u>5</u>	3 of 3	W/145.2	84.8 / -3.06	355 St Laurent Blvd Ottawa ON K1K 2Z7	EHS
Order No: 20180501091 Status: C Report Type: RSC Report - Quote Report Date: 08-MAY-18 Date Received: 01-MAY-18 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: ON Client Prov/State: ON Search Radius (km): .3 X: -75.633319 Y: 45.45276					
<u>6</u>	1 of 2	ENE/146.6	90.0 / 2.15	Canada Lands Company 156 Via Venus Ottawa ON	GEN
Generator No: ON4427283 Status: Approval Years: 2011					
PO Box No: Country: Choice of Contact:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam. Facility: MHSW Facility: SIC Code: 562910 SIC Description:				Co Admin: Phone No Admin:	
<u>6</u>	2 of 2	ENE/146.6	90.0 / 2.15	Canada Lands Company 156 Via Venus Ottawa ON K1B 4T7	GEN
Generator No: ON4427283 Status: Approval Years: 2015 Contam. Facility: No MHSW Facility: No SIC Code: 562910 SIC Description: REMEDIATION SERVICES				PO Box No: Country: Canada Choice of Contact: CO_ADMIN Co Admin: William wel lenselink Phone No Admin: 613-7206341 Ext.224	
<u>Detail(s)</u>					
Waste Class: 251 Waste Class Desc: OIL SKIMMINGS & SLUDGES					
<u>7</u>	1 of 1	ENE/148.4	89.9 / 1.99	lot 4 con 1 OTTAWA ON	WWIS
Well ID: 1535672 Construction Date: Primary Water Use: Not Used Sec. Water Use: Final Well Status: Test Hole Water Type: Casing Material: Audit No: Z19290 Tag: A019088 Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Data Entry Status: Data Src: Date Received: 7/25/2005 Selected Flag: Yes Abandonment Rec: Contractor: 6894 Form Version: 3 Owner: Street Name: CFB ROCKCLIFFE County: OTTAWA-CARLETON Municipality: OTTAWA CITY Site Info: Lot: 004 Concession: 01 Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID: 11316211 DP2BR: Spatial Status: Code OB: o Code OB Desc: Overburden Open Hole: Cluster Kind: Date Completed: 11/11/2004 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:				Elevation: 89.96643 Elevrc: Zone: 18 East83: 450732 North83: 5033501 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932996921			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		06			
Other Materials:		SILT			
Mat3:		05			
Other Materials:		CLAY			
Formation Top Depth:		2.5			
Formation End Depth:		3.7			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932996920			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Other Materials:		SILT			
Mat3:		28			
Other Materials:		SAND			
Formation Top Depth:		1.1			
Formation End Depth:		2.5			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932996919			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		01			
Most Common Material:		FILL			
Mat2:		28			
Other Materials:		SAND			
Mat3:		11			
Other Materials:		GRAVEL			
Formation Top Depth:		0			
Formation End Depth:		1.1			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933273461			
Layer:		1			
Plug From:		0.8			
Plug To:		1.1			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Use</u>					
Method Construction ID:					
Method Construction Code:	2				
Method Construction:	Rotary (Convent.)				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	11331066				
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930855583				
Layer:	1				
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:	0				
Depth To:	1.1				
Casing Diameter:	4.7				
Casing Diameter UOM:	cm				
Casing Depth UOM:	m				
<u>Construction Record - Screen</u>					
Screen ID:	933413756				
Layer:	1				
Slot:	10				
Screen Top Depth:	1.1				
Screen End Depth:	3.7				
Screen Material:	5				
Screen Depth UOM:	m				
Screen Diameter UOM:	cm				
Screen Diameter:	5				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	991535672				
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	3				
Water State After Test:	OTHER				
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:	N				
<u>Water Details</u>					
Water ID:	934062626				
Layer:	1				
Kind Code:	1				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind: FRESH Water Found Depth: 3.2 Water Found Depth UOM: m					
Hole Diameter					
Hole ID: 11533754 Diameter: 20 Depth From: 0 Depth To: 3.7 Hole Depth UOM: m Hole Diameter UOM: cm					
8	1 of 1	NE/149.2	89.9 / 2.00	RSC 7 - Former CFB Rockcliffe Ottawa ON K1K	EHS
Order No: 20191016103 Status: C Report Type: RSC Report - Quote Report Date: 21-OCT-19 Date Received: 16-OCT-19 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .3 X: -75.630352 Y: 45.453478					
9	1 of 5	NNW/170.4	88.2 / 0.31	DEPT. OF NATIONAL DEFENCE CFSU OTTAWA NORTH - ROCKCLIFFE SITE 164 VIA VENUS OTTAWA ON K1A 0K4	GEN
Generator No: ON0046539 Status: Approval Years: 01 Contam. Facility: MHSW Facility: SIC Code: 8111 SIC Description: DEFENCE SERVICES					
PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
Detail(s)					
Waste Class: 112 Waste Class Desc: ACID WASTE - HEAVY METALS					
Waste Class: 114 Waste Class Desc: OTHER INORGANIC ACID WASTES					
Waste Class: 121 Waste Class Desc: ALKALINE WASTES - HEAVY METALS					
Waste Class: 122 Waste Class Desc: ALKALINE WASTES - OTHER METALS					
Waste Class: 135 Waste Class Desc: REACTIVE ANION WASTES					
Waste Class: 145 Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES					
Waste Class: 146 Waste Class Desc: OTHER SPECIFIED INORGANICS					
Waste Class: 147					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		CHEMICAL FERTILIZER WASTES			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		211			
Waste Class Desc:		AROMATIC SOLVENTS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
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:		262			
Waste Class Desc:		DETERGENTS/SOAPS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		265			
Waste Class Desc:		GRAPHIC ART WASTES			
Waste Class:		269			
Waste Class Desc:		NON-HALOGENATED PESTICIDES			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			

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2 of 5

NNW/170.4

88.2 / 0.31

Department Of National Defence
CFSU OTTAWA NORTH - ROCKCLIFFE SITE 164
VIA VENUS
OTTAWA ON K1A 0K4

GEN

Generator No: ON0046539
Status:
Approval Years: 02,03,04,05,06
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		114			
Waste Class Desc:		OTHER INORGANIC ACID WASTES			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		135			
Waste Class Desc:		REACTIVE ANION WASTES			
Waste Class:		147			
Waste Class Desc:		CHEMICAL FERTILIZER WASTES			
Waste Class:		211			
Waste Class Desc:		AROMATIC SOLVENTS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		265			
Waste Class Desc:		GRAPHIC ART WASTES			
Waste Class:		269			
Waste Class Desc:		NON-HALOGENATED PESTICIDES			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		241			
Waste Class Desc:		HALOGENATED SOLVENTS			
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			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		262			
Waste Class Desc:		DETERGENTS/SOAPS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
9	3 of 5	NNW/170.4	88.2 / 0.31	City of Ottawa 75 Bishop Private Ottawa ON K1K 0P4	SPL
Ref No:	7137-725QL4			Discharger Report:	
Site No:				Material Group:	Waste
Incident Dt:				Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Process Upset			Sector Type:	Sewage Municipal
Incident Event:				Agency Involved:	
Contaminant Code:	44			Nearest Watercourse:	
Contaminant Name:	SEWAGE,RAW UNCHLORINATED			Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	Not Anticipated			Site Municipality:	Ottawa
Nature of Impact:	Other Impact(s); Soil Contamination			Site Lot:	
Receiving Medium:	Land			Site Conc:	
Receiving Env:				Northing:	
MOE Response:	Planned Field Response			Easting:	
Dt MOE Arvl on Scn:	4/11/2007			Site Geo Ref Accu:	
MOE Reported Dt:	4/10/2007			Site Map Datum:	
Dt Document Closed:	4/18/2007			SAC Action Class:	
Incident Reason:	Overstress/Pressure - Any form of overloading wherein the design strength of the container was exceeded			Source Type:	
Site Name:	CFB Ottawa (North) Old Rockliffe Air Force Base<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	City of Ottawa: sewage manhole back up				
Contaminant Qty:	0 other - see incident description				
9	4 of 5	NNW/170.4	88.2 / 0.31	3 CASTOR PVT OTTAWA ON	HINC
External File Num:	FS INC 0705-02358				
Fuel Occurrence Type:	Pipeline Strike				
Date of Occurrence:	5/9/2007				
Fuel Type Involved:	Natural Gas				
Status Desc:	Completed - Causal Analysis(End)				
Job Type Desc:	Incident/Near-Miss Occurrence (FS)				
Oper. Type Involved:	Construction Site (pipeline strike)				
Service Interruptions:	Yes				
Property Damage:	Yes				
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation				
Root Cause:	Root Cause: Equipment/Material/Component:No Management:Yes Human Factors:Yes			Procedures:Yes Maintenance:No Design:No Training:No	
Reported Details:					
Fuel Category:	Gaseous Fuel				
Occurrence Type:	Incident				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Affiliation: County Name: Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:		Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) Ottawa			
9	5 of 5	NNW/170.4	88.2 / 0.31	PWGSC 164 Via Venus Ottawa ON	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON7733675 2010 911110 Defence Services		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
Detail(s)					
Waste Class: Waste Class Desc:		211 AROMATIC SOLVENTS			
Waste Class: Waste Class Desc:		251 OIL SKIMMINGS & SLUDGES			
10	1 of 1	WNW/190.3	86.2 / -1.73	CANADA LANDS COMPANY CLC LIMITED 1076-1335 HEMLOCK ROAD, OTTAWA, ON K1K 4Z3 Ottawa ON	RSC
RSC ID: RA No: RSC Type: Curr Property Use: Ministry District: Filing Date: Date Ack: Date Returned: Restoration Type: Soil Type: Criteria: CPU Issued Sect 1686: Asmt Roll No: Prop ID No (PIN):		226470 Phase 1 and 2 RSC Industrial Ottawa District Office 2020/01/30 04273-0619 (LT), 04273-0590 (LT), 04273-0611 (LT), 04273-0618 (LT)		Cert Date: Cert Prop Use No: Intended Prop Use: Qual Person Name: Stratified (Y/N): Audit (Y/N): Entire Leg Prop. (Y/N): Accuracy Estimate: Telephone: Fax: Email:	
Property Municipal Address: Mailing Address: Latitude & Longitude: UTM Coordinates: Consultant: Legal Desc: Measurement Method: Applicable Standards: RSC PDF:		1076-1335 HEMLOCK ROAD, OTTAWA, ON K1K 4Z3 			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Document(s) Detail</u>					
Document Heading:		Supporting Documents			
Document Name:		6 - APEC Table.pdf			
Document Type:		Area(s) of Potential Environmental Concern			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=123467&fileName=6++APEC+Table.pdf			
Document Heading:		Supporting Documents			
Document Name:		1 - Certificate of Status.PDF			
Document Type:		Certificate of Status			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=123464&fileName=1++Certificate+of+Status.PDF			
Document Heading:		Supporting Documents			
Document Name:		4- Survey.pdf			
Document Type:		A Current plan of Survey			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=123460&fileName=4++Survey.pdf			
Document Heading:		Supporting Documents			
Document Name:		3 - Instrument of Grant.PDF			
Document Type:		Copy of any deed(s), transfer(s) or other document(s)			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=123465&fileName=3++Instrument+of+Grant.PDF			
Document Heading:		Supporting Documents			
Document Name:		2 - Lawyers Letter.PDF			
Document Type:		Lawyer's letter consisting of a legal description of the property			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=123458&fileName=2++Lawyers+Letter.PDF			
Document Heading:		Supporting Documents			
Document Name:		5 - No Objection Statement.pdf			
Document Type:		A copy of No Objection Statement from municipality			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=123462&fileName=5++No+Objection+Statement.pdf			
Document Heading:		Supporting Documents			
Document Name:		7 - Current and Past Use Table.pdf			
Document Type:		Table of Current and Past Property Use			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=123466&fileName=7++Current+and+Past+Use+Table.pdf			
Document Heading:		Supporting Documents			
Document Name:		PhaseTwo.pdf			
Document Type:		Phase 2 Conceptual Site Model			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=123874&fileName=PhaseTwo.pdf			
11	1 of 1	ESE/216.7	90.8 / 2.97	Mattamy (Rockcliffe) Inc. 775 Mikinak Rd Ottawa ON K2K 2M5	ECA
Approval No:	2876-B9XV29	MOE District:			
Approval Date:	2019-04-15	City:			
Status:	Approved	Longitude:			
Record Type:	ECA	Latitude:			
Link Source:	IDS	Geometry X:			
SWP Area Name:		Geometry Y:			
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Address:	775 Mikinak Rd				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4701-B4BPH2-14.pdf				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	1 of 1	WSW/243.2	81.9 / -6.00	DEPT. OF NATIONAL DEFENCE CFSU OTTAWA NORTH - ROCKCLIFFE SITE BUILDING 164 - CODDS ROAD & VIA VENUS OTTAWA ON K1A 0K8	GEN
Generator No:		ON0046539		PO Box No:	
Status:				Country:	
Approval Years:		98,99,00		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:		8111			
SIC Description:		DEFENCE SERVICES			
<u>Detail(s)</u>					
Waste Class:		265			
Waste Class Desc:		GRAPHIC ART WASTES			
Waste Class:		269			
Waste Class Desc:		NON-HALOGENATED PESTICIDES			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		114			
Waste Class Desc:		OTHER INORGANIC ACID WASTES			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		135			
Waste Class Desc:		REACTIVE ANION WASTES			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		147			
Waste Class Desc:		CHEMICAL FERTILIZER WASTES			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		211			
Waste Class Desc:		AROMATIC SOLVENTS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:		262			
Waste Class Desc:		DETERGENTS/SOAPS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
13	1 of 2	W/248.8	83.9 / -4.00	Central Heating Plant in Rockcliffe - Disposed to NCC Ottawa ON	FCS
SGC:		3506008			
Site ID:		08636001			
Departmental ID:		0358-C001			
Depart Code:		DND			
Class Type:		3			
Class:		Low Priority for Action			
Site Name:		Central Heating Plant in Rockcliffe - Disposed to NCC			
Site Name (FR):		Installation de chauffage central Rockcliffe, Transfert CCN			
Site Status:		Closed			
Site Status Desc:		Confirmatory sampling completed. No further action required.			
Site Status (FR):		Fermé			
Description (FR):		Échantillonnage de confirmation terminé. Aucune autre mesure nécessaire.			
Involv Code:					
Census Division:		Ottawa			
Municipality:		Ottawa			
Census Sub Class:		1			
Latitude:		45.453000			
Longitude:		-75.634600			
Location:					
Protected Data:		0			
FED:		078			
Fed Electoral District:		Ottawa--Vanier			
Fed Electoral District (FR):		Ottawa--Vanier			
Metro:					
Nearest Pop. Area:					
Highest Step Cmpltd:		9			
Site Deleted Flag:					
Created:		2005-07-28T11:34:00			
Modified:		2017-05-09T09:28:00			
Property No.:					
Est m³ Contmnted:		270.0000			
Est Ha Contmnted:		0.0000			
Est Tons Contamin:		0.0000			
Est Population at 1 Km:		2,473			
Est Population at 5 Km:		139,535			
Est Population at 10 Km:		499,097			
Est Population at 25 Km:		1,129,055			
Est Population at 50 Km:		1,416,069			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Reporting Org:					
Reporting Org (FR):					
Reason for Involv:					
Reason for Involv (FR):					
Liabile Third Party:					
Class (FR):					
Action Plan:					
Action Plan (FR):					
Site Mgmt Strategy:					
Minimap URL:					
Additional Info:					
Additional Info (FR):					
Management					
Management Code:					
Management Type (EN):					
Management Type (FR):					
Contamination					
Contaminant:					
Contamination (FR):					
Medium Code:					
Medium:					
Medium (FR):					
Contaminant:					
Contamination (FR):					
Medium Code:					
Medium:					
Medium (FR):					
Contaminant:					
Contamination (FR):					
Medium Code:					
Medium:					
Medium (FR):					
Contaminant:					
Contamination (FR):					
Medium Code:					
Medium:					
Medium (FR):					
Annual Data					
Fiscal Year:					
Reporting Organization:					
Reporting Organization (EN):					
Reporting Organization (FR):					
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					
Step Name (EN):					
Step Name (FR):					
Highest Step Completed:					
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:					
Actual Cubic Metres Rem:					
Actual Hectares Rem:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Actual Tons Remediated:		0.0000			
Total Asmt Expenditure:		0.00			
Total Remediation Expenditure:		0.00			
Total Care/Maint Expenditur:		0.00			
Total Mntring Expenditure:		0.00			
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:		0.00			
FCSAP Remed Expenditure:		0.00			
FCSAP Care/Maint Expenditur:		0.00			
FCSAP Mntring Expenditure:		0.00			

Annual Data

Fiscal Year: 2012-2013
Reporting Organization: DND
Reporting Organization (EN): National Defence
Reporting Organization (FR): Défence nationale
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 09
Highest Step Completed Desc:
Planned Compl Date Step7:
Planned Compl Date Step8:
Planned Compl Date Step9:
Created:
Modified:
NCSCS Year:
Closed: No
Actual Cubic Metres Rem: 0.0000
Actual Hectares Rem: 0.0000
Actual Tons Remediated: 0.0000
Total Asmt Expenditure: 0.00
Total Remediation Expenditure: 0.00
Total Care/Maint Expenditur: 0.00
Total Mntring Expenditure: 0.00
Ttl Expenditure Reduc Liabil:
FCSAP Asmt Expenditure: 0.00
FCSAP Remed Expenditure: 0.00
FCSAP Care/Maint Expenditur: 0.00
FCSAP Mntring Expenditure: 0.00

Annual Data

Fiscal Year: 2009-2010
Reporting Organization: DND
Reporting Organization (EN): National Defence
Reporting Organization (FR): Défence nationale
Class Type:
Class (EN):
Class (FR):
CCME Flag:
CCME NCS Year:
Step Name (EN):
Step Name (FR):
Highest Step Completed: 08
Highest Step Completed Desc:
Planned Compl Date Step7:
Planned Compl Date Step8:
Planned Compl Date Step9:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Created:					
Modified:					
NCSCS Year:					
Closed:					
Actual Cubic Metres Rem:					
Actual Hectares Rem:					
Actual Tons Remediated:					
Total Asmt Expenditure:					
Total Remediation Expenditure:					
Total Care/Maint Expenditur:					
Total Mntring Expenditure:					
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:					
FCSAP Remed Expenditure:					
FCSAP Care/Maint Expenditur:					
FCSAP Mntring Expenditure:					
Annual Data					
Fiscal Year:					
Reporting Organization:					
Reporting Organization (EN):					
Reporting Organization (FR):					
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					
Step Name (EN):					
Step Name (FR):					
Highest Step Completed:					
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:					
Actual Cubic Metres Rem:					
Actual Hectares Rem:					
Actual Tons Remediated:					
Total Asmt Expenditure:					
Total Remediation Expenditure:					
Total Care/Maint Expenditur:					
Total Mntring Expenditure:					
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:					
FCSAP Remed Expenditure:					
FCSAP Care/Maint Expenditur:					
FCSAP Mntring Expenditure:					
Annual Data					
Fiscal Year:					
Reporting Organization:					
Reporting Organization (EN):					
Reporting Organization (FR):					
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					
Step Name (EN):					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Step Name (FR):					
Highest Step Completed:		08			
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:		No			
Actual Cubic Metres Rem:		0.0000			
Actual Hectares Rem:		0.0000			
Actual Tons Remediated:		0.0000			
Total Asmt Expenditure:		0.00			
Total Remediation Expenditure:		35000.00			
Total Care/Maint Expenditur:		0.00			
Total Mntring Expenditure:		0.00			
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:		0.00			
FCSAP Remed Expenditure:		0.00			
FCSAP Care/Maint Expenditur:		0.00			
FCSAP Mntring Expenditure:		0.00			
<u>Annual Data</u>					
Fiscal Year:		2005-2006			
Reporting Organization:		DND			
Reporting Organization (EN):		National Defence			
Reporting Organization (FR):		Défence nationale			
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					
Step Name (EN):					
Step Name (FR):					
Highest Step Completed:		09			
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:		No			
Actual Cubic Metres Rem:		0.0000			
Actual Hectares Rem:		0.0000			
Actual Tons Remediated:		0.0000			
Total Asmt Expenditure:		0.00			
Total Remediation Expenditure:		0.00			
Total Care/Maint Expenditur:		0.00			
Total Mntring Expenditure:		0.00			
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:		0.00			
FCSAP Remed Expenditure:		0.00			
FCSAP Care/Maint Expenditur:		0.00			
FCSAP Mntring Expenditure:		0.00			
<u>Annual Data</u>					
Fiscal Year:		2011-2012			
Reporting Organization:		DND			
Reporting Organization (EN):		National Defence			
Reporting Organization (FR):		Défence nationale			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					
Step Name (EN):					
Step Name (FR):					
Highest Step Completed:	09				
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:	No				
Actual Cubic Metres Rem:	615.3500				
Actual Hectares Rem:	0.0000				
Actual Tons Remediated:	0.0000				
Total Asmt Expenditure:	0.00				
Total Remediation Expenditure:	0.00				
Total Care/Maint Expenditur:	0.00				
Total Mntring Expenditure:	0.00				
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:	0.00				
FCSAP Remed Expenditure:	0.00				
FCSAP Care/Maint Expenditur:	0.00				
FCSAP Mntring Expenditure:	0.00				
 <u>Annual Data</u>					
Fiscal Year:	2010-2011				
Reporting Organization:	DND				
Reporting Organization (EN):	National Defence				
Reporting Organization (FR):	Défence nationale				
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					
Step Name (EN):					
Step Name (FR):					
Highest Step Completed:	08				
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:	No				
Actual Cubic Metres Rem:	0.0000				
Actual Hectares Rem:	0.0000				
Actual Tons Remediated:	0.0000				
Total Asmt Expenditure:	0.00				
Total Remediation Expenditure:	0.00				
Total Care/Maint Expenditur:	0.00				
Total Mntring Expenditure:	0.00				
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:	0.00				
FCSAP Remed Expenditure:	0.00				
FCSAP Care/Maint Expenditur:	0.00				
FCSAP Mntring Expenditure:	0.00				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Annual Data</u>					
Fiscal Year:		2014-2015			
Reporting Organization:		DND			
Reporting Organization (EN):		National Defence			
Reporting Organization (FR):		Défence nationale			
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					
Step Name (EN):					
Step Name (FR):					
Highest Step Completed:		09			
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:		Yes			
Actual Cubic Metres Rem:		0.0000			
Actual Hectares Rem:		0.0000			
Actual Tons Remediated:		0.0000			
Total Asmt Expenditure:		0.00			
Total Remediation Expenditure:		0.00			
Total Care/Maint Expenditur:		0.00			
Total Mntring Expenditure:		0.00			
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:		0.00			
FCSAP Remed Expenditure:		0.00			
FCSAP Care/Maint Expenditur:		0.00			
FCSAP Mntring Expenditure:		0.00			
<u>Annual Data</u>					
Fiscal Year:		2013-2014			
Reporting Organization:		DND			
Reporting Organization (EN):		National Defence			
Reporting Organization (FR):		Défence nationale			
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					
Step Name (EN):					
Step Name (FR):					
Highest Step Completed:		09			
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:		No			
Actual Cubic Metres Rem:		0.0000			
Actual Hectares Rem:		0.0000			
Actual Tons Remediated:		0.0000			
Total Asmt Expenditure:		0.00			
Total Remediation Expenditure:		0.00			
Total Care/Maint Expenditur:		0.00			
Total Mntring Expenditure:		0.00			
Ttl Expenditure Reduc Liabil:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
FCSAP Asmt Expenditure:		0.00			
FCSAP Remed Expenditure:		0.00			
FCSAP Care/Maint Expenditure:		0.00			
FCSAP Mntring Expenditure:		0.00			
13	2 of 2	W/248.8	83.9 / -4.00	CFSU(O) Rockcliffe PMQ Trailer Storage Compound Ottawa ON	FCS
SGC:		3506008			
Site ID:		08636002			
Departmental ID:		0358-C002			
Depart Code:		DND			
Class Type:		N			
Class:		Not a Priority for Action			
Site Name:		CFSU(O) Rockcliffe PMQ Trailer Storage Compound			
Site Name (FR):		USFC(O) Rockcliffe LF Installation entrepos véhic. récréatif			
Site Status:		Closed			
Site Status Desc:		Detailed testing completed. No further action required.			
Site Status (FR):		Fermé			
Description (FR):		Analyse détaillée terminée. Aucune autre mesure nécessaire.			
Involv Code:					
Census Division:		Ottawa			
Municipality:		Ottawa			
Census Sub Class:		1			
Latitude:		45.453000			
Longitude:		-75.634600			
Location:					
Protected Data:		0			
FED:		078			
Fed Electoral District:		Ottawa--Vanier			
Fed Electoral District (FR):		Ottawa--Vanier			
Metro:					
Nearest Pop. Area:					
Highest Step Cmpltd:		9			
Site Deleted Flag:					
Created:		2005-07-28T11:34:00			
Modified:		2017-05-09T09:28:00			
Property No.:					
Est m³ Contmnted:		1360.0000			
Est Ha Contmnted:		0.0000			
Est Tons Contamin:		0.0000			
Est Population at 1 Km:		2,473			
Est Population at 5 Km:		139,535			
Est Population at 10 Km:		499,097			
Est Population at 25 Km:		1,129,055			
Est Population at 50 Km:		1,416,069			
Reporting Org:					
Reporting Org (FR):					
Reason for Involv:		Federal activities			
Reason for Involv (FR):		Activités fédérales			
Liable Third Party:					
Class (FR):		Priorité d'intervention nulle			
Action Plan:					
Action Plan (FR):					
Site Mgmt Strategy:		Care and Maintenance			
Minimap URL:		http://www.tbs-sct.gc.ca/fcsi-rscf/minimap.aspx?fsi=08636002			
Additional Info:					
Additional Info (FR):					

Management

Management Code: 6

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Management Type (EN):		Care and Maintenance			
Management Type (FR):		Soin et entretien			
<u>Contamination</u>					
Contaminant:		Metal, metalloid, and organometallic			
Contamination (FR):		Métaux, métalloïdes, et organométalliques			
Medium Code:		5			
Medium:		Soil			
Medium (FR):		Sol			
<u>Annual Data</u>					
Fiscal Year:		2007-2008			
Reporting Organization:		DND			
Reporting Organization (EN):		National Defence			
Reporting Organization (FR):		Défence nationale			
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					
Step Name (EN):					
Step Name (FR):					
Highest Step Completed:		07			
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:		Yes			
Actual Cubic Metres Rem:		0.0000			
Actual Hectares Rem:		0.0000			
Actual Tons Remediated:		0.0000			
Total Asmt Expenditure:		0.00			
Total Remediation Expenditure:		0.00			
Total Care/Maint Expenditur:		0.00			
Total Mntring Expenditure:		0.00			
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:		0.00			
FCSAP Remed Expenditure:		0.00			
FCSAP Care/Maint Expenditur:		0.00			
FCSAP Mntring Expenditure:		0.00			
<u>Annual Data</u>					
Fiscal Year:		2005-2006			
Reporting Organization:		DND			
Reporting Organization (EN):		National Defence			
Reporting Organization (FR):		Défence nationale			
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					
Step Name (EN):					
Step Name (FR):					
Highest Step Completed:		09			
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:					
Actual Cubic Metres Rem:					
Actual Hectares Rem:					
Actual Tons Remediated:					
Total Asmt Expenditure:					
Total Remediation Expenditure:					
Total Care/Maint Expenditur:					
Total Mntring Expenditure:					
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:					
FCSAP Remed Expenditure:					
FCSAP Care/Maint Expenditur:					
FCSAP Mntring Expenditure:					
<u>Annual Data</u>					
Fiscal Year:					
Reporting Organization:					
Reporting Organization (EN):					
Reporting Organization (FR):					
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					
Step Name (EN):					
Step Name (FR):					
Highest Step Completed:					
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:					
Actual Cubic Metres Rem:					
Actual Hectares Rem:					
Actual Tons Remediated:					
Total Asmt Expenditure:					
Total Remediation Expenditure:					
Total Care/Maint Expenditur:					
Total Mntring Expenditure:					
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:					
FCSAP Remed Expenditure:					
FCSAP Care/Maint Expenditur:					
FCSAP Mntring Expenditure:					
<u>Annual Data</u>					
Fiscal Year:					
Reporting Organization:					
Reporting Organization (EN):					
Reporting Organization (FR):					
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Step Name (EN):					
Step Name (FR):					
Highest Step Completed:	07				
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:	Yes				
Actual Cubic Metres Rem:	0.0000				
Actual Hectares Rem:	0.0000				
Actual Tons Remediated:	0.0000				
Total Asmt Expenditure:	0.00				
Total Remediation Expenditure:	0.00				
Total Care/Maint Expenditur:	0.00				
Total Mntring Expenditure:	0.00				
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:	0.00				
FCSAP Remed Expenditure:	0.00				
FCSAP Care/Maint Expenditur:	0.00				
FCSAP Mntring Expenditure:	0.00				
 <u>Annual Data</u>					
Fiscal Year:	2009-2010				
Reporting Organization:	DND				
Reporting Organization (EN):	National Defence				
Reporting Organization (FR):	Défence nationale				
Class Type:					
Class (EN):					
Class (FR):					
CCME Flag:					
CCME NCS Year:					
Step Name (EN):					
Step Name (FR):					
Highest Step Completed:	07				
Highest Step Completed Desc:					
Planned Compl Date Step7:					
Planned Compl Date Step8:					
Planned Compl Date Step9:					
Created:					
Modified:					
NCSCS Year:					
Closed:	Yes				
Actual Cubic Metres Rem:	0.0000				
Actual Hectares Rem:	0.0000				
Actual Tons Remediated:	0.0000				
Total Asmt Expenditure:	0.00				
Total Remediation Expenditure:	0.00				
Total Care/Maint Expenditur:	0.00				
Total Mntring Expenditure:	0.00				
Ttl Expenditure Reduc Liabil:					
FCSAP Asmt Expenditure:	0.00				
FCSAP Remed Expenditure:	0.00				
FCSAP Care/Maint Expenditur:	0.00				
FCSAP Mntring Expenditure:	0.00				

Unplottable Summary

Total: **27** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	DEPARTMENT OF NATIONAL DEFENCE, CFB	CENTRAL HEATING PLANT	OTTAWA CITY ON	
CA	ROCKWELL INVESTMENTS LTD.	HEMLOCK RD.	OTTAWA CITY ON	
CA	Canada Lands Company CLC Limited		Ottawa ON	
ECA	Canada Lands Company CLC Limited		Ottawa ON	K1P 5L4
ECA	Canada Lands Company CLC Limited		Ottawa ON	K1P 5L4
ECA	The Eastern Canadian District of the Christian and Missionary Alliance in Canada	Codd's Rd	Ottawa ON	K1K 2G8
GEN	Library and Archives Canada	Codd's Road C.F.B. Ottawa North	Ottawa ON	
GEN	Canada Lands Company	Codd's Road	Ottawa ON	
GEN	Canada Lands Company CLC Limited	Codd's Road	Ottawa ON	K1K 2G7
GEN	Canada Lands Company CLC Limited	Codd's Road	Ottawa ON	K1K 2G7
GEN	Canada Lands Company	Codd's Road	Ottawa ON	K1K 2G7
GEN	Canada Lands Company CLC Limited	Codd's Road	Ottawa ON	K1K 2G7
GEN	Canada Lands Company CLC Limited	Codd's Road	Ottawa ON	K1K 2G7
GEN	GVT. OF CAN. - NATIONAL DEFENCE	CE PRODUCTION BUILDING 164 CODDS ROAD & VIA VENUS	OTTAWA ON	K1A 0K8
GEN	DEPT. OF NATIONAL DEFENCE (OUT OF BUS.)	BEME CFB OTTAWA BUILDING 163, NORTH ROCKCLIFFE	OTTAWA ON	K1A 0K5
GEN	NATIONAL ARCHIVES OF CANADA	BUILDING 167, CODD'S ROAD C.F.B. OTTAWA NORTH	OTTAWA ON	
GEN	NATIONAL ARCHIVES OF CANADA	CODD'S ROAD C.F.B. OTTAWA NORTH	OTTAWA ON	K1A 0N3

GEN	LIBRARY AND ARCHIVES CANADA	CODD'S ROAD C.F.B. OTTAWA NORTH	OTTAWA ON	
NPCB	DEPARTMENT OF NATIONAL DEFENCE		OTTAWA ON	K1R 3J7
NPCB	Department of National Defence		Ottawa ON	
NPCB	DEPARTMENT OF NATIONAL DEFENCE		OTTAWA ON	K1R 3J7
NPCB	DEPARTMENT OF NATIONAL DEFENCE	CFB OTTAWA NORTH; ROCKCLIFFE	OTTAWA ON	K1A 0K5
NPCB	DEPARTMENT OF NATIONAL DEFENCE		OTTAWA ON	K1R 3J7
PTTW	Canada Lands Company CLC Limited	Ottawa Front Ponds Lot: 20,22,23,24,25, Concession: 1 (Ottawa Front), Geographic Township: Gloucester, City of Ottawa, CITY OF OTTAWA Gloucester	ON	
RSC		Lots 23 & 24, Con 1,	Gloucester ON	
SPL	DEPARTMENT OF NATIONAL DEFENCE	NEAR BUILDING #305 CANADIAN FORCES BASE OTTAWA	OTTAWA CITY ON	
SPL	Public Works and Government Service Canada (PWGSC)		Ottawa ON	

Unplottable Report

Site: DEPARTMENT OF NATIONAL DEFENCE, CFB
CENTRAL HEATING PLANT OTTAWA CITY ON

Database:
CA

Certificate #: 8-4050-87-
Application Year: 87
Issue Date: 5/22/1987
Approval Type: Industrial air
Status: Preliminary approval
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: BOILER
Contaminants:
Emission Control:

Site: ROCKWELL INVESTMENTS LTD.
HEMLOCK RD. OTTAWA CITY ON

Database:
CA

Certificate #: 7-1283-86-
Application Year: 86
Issue Date: 11/4/1986
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Canada Lands Company CLC Limited
Ottawa ON

Database:
CA

Certificate #: 4783-5JNRC5
Application Year: 2003
Issue Date: 2/13/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Canada Lands Company CLC Limited
Ottawa ON K1P 5L4

Database:
ECA

Approval No: 0824-A8CR5H
Approval Date: 2016-04-12

MOE District:
City:

Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/3815-A72KG2-14.pdf>

Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Canada Lands Company CLC Limited**
Ottawa ON K1P 5L4

Database:
ECA

Approval No: 6929-A7MRBC
Approval Date: 2016-03-03
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/3139-A7HSPY-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **The Eastern Canadian District of the Christian and Missionary Alliance in Canada**
Codd's Rd Ottawa ON K1K 2G8

Database:
ECA

Approval No: 0481-98ERUM
Approval Date: 2013-06-24
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Codd's Rd
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/3933-97GQTH-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Library and Archives Canada**
Codd's Road C.F.B. Ottawa North Ottawa ON

Database:
GEN

Generator No: ON3964387
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 911311
SIC Description:

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

Site: **Canada Lands Company**
Codd's Road Ottawa ON

Database:
GEN

Generator No: ON8567328
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 911910
SIC Description:

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

Detail(s)

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 243
Waste Class Desc: PCBS

Site: **Canada Lands Company CLC Limited**
Codd's Road Ottawa ON K1K 2G7

Database:
GEN

Generator No: ON8567328
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 911910
SIC Description: 911910

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Andrew Naoum
Phone No Admin: 613-748-1415 Ext.275

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 243
Waste Class Desc: PCBS

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

Site: **Canada Lands Company CLC Limited**
Codd's Road Ottawa ON K1K 2G7

Database:
GEN

Generator No: ON8567328
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 911910
SIC Description: 911910

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Eric Sly
Phone No Admin: 613-748-1415 Ext.244

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 243
Waste Class Desc: PCBS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Site: **Canada Lands Company**
Codd's Road Ottawa ON K1K 2G7

Database:
GEN

Generator No: ON8567328
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 911910
SIC Description: 911910

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Eric Sly
Phone No Admin: 613-748-1415 Ext.244

Detail(s)

Waste Class: 243
Waste Class Desc: PCBS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Site: Canada Lands Company CLC Limited
Codd's Road Ottawa ON K1K 2G7

Database:
GEN

Generator No: ON8567328
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 221 L
Waste Class Desc: Light fuels

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

Site: Canada Lands Company CLC Limited
Codd's Road Ottawa ON K1K 2G7

Database:
GEN

Generator No: ON8567328
Status: Registered
Approval Years: As of Oct 2019
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

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

Waste Class: 221 L
Waste Class Desc: Light fuels

Site: GVT. OF CAN. - NATIONAL DEFENCE
CE PRODUCTION BUILDING 164 CODDS ROAD & VIA VENUS OTTAWA ON K1A 0K8

Database:
GEN

Generator No: ON0046539
Status:
Approval Years: 97
Contam. Facility:
MHSW Facility:
SIC Code: 8111
SIC Description: DEFENCE SERVICES

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

Detail(s)

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

Waste Class:	114
Waste Class Desc:	OTHER INORGANIC ACID WASTES
Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
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:	264
Waste Class Desc:	PHOTOPROCESSING WASTES
Waste Class:	269
Waste Class Desc:	NON-HALOGENATED PESTICIDES
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES

Site: DEPT. OF NATIONAL DEFENCE (OUT OF BUS.)
BEME CFB OTTAWA BUILDING 163, NORTH ROCKCLIFFE OTTAWA ON K1A 0K5

Database:
GEN

Generator No:	ON0046570	PO Box No:	
Status:		Country:	
Approval Years:	98	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No Admin:	
SIC Code:	8111		
SIC Description:	DEFENCE SERVICES		

Detail(s)

Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES

Site: NATIONAL ARCHIVES OF CANADA
BUILDING 167, CODD'S ROAD C.F.B. OTTAWA NORTH OTTAWA ON

Database:
GEN

Generator No:	ON0757004	PO Box No:	
Status:		Country:	
Approval Years:	99,00,01	Choice of Contact:	

Contam. Facility:
MHSW Facility:
SIC Code: 8164
SIC Description: REC./CULTURE ADMIN.

Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Site: NATIONAL ARCHIVES OF CANADA
Codd's Road C.F.B. Ottawa North Ottawa ON K1A 0N3

Database:
GEN

Generator No: ON0757004
Status:
Approval Years: 02,03,04
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Site: LIBRARY AND ARCHIVES CANADA
Codd's Road C.F.B. Ottawa North Ottawa ON

Database:
GEN

Generator No: ON0757004
Status:
Approval Years: 06
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Site: DEPARTMENT OF NATIONAL DEFENCE
Ottawa ON K1R 3J7

Database:
NPCB

Company Code: O3009
Industry: NATIONAL DEFENCE
Site Status: FEDERAL FACILITIES (IN USE)
Transaction Date: 2/11/1993
Inspection Date:

Site: Department of National Defence
Ottawa ON

Database:
NPCB

Company Code: O3014
Industry: National Defence
Site Status: Stored for Disposal
Transaction Date: 1/21/1994
Inspection Date: 1/21/1994

--Details--

Label:
Serial No.:
PCB Type/Code: Mineral Oil/Low
Location:
Item/State:
No. of Items:
Manufacturer:
Status: Stored for disposal

Contents:

Label:

Serial No.:

PCB Type/Code: Mineral Oil/Ultra Low

Location:

Item/State:

No. of Items:

Manufacturer:

Status: Stored for disposal

Contents:

Site: DEPARTMENT OF NATIONAL DEFENCE
OTTAWA ON K1R 3J7

Database:
NPCB

Company Code: O3014
Industry: NATIONAL DEFENCE
Site Status: DELETED FEDERAL SITES
Transaction Date: 12/8/1998
Inspection Date: 1/21/1994

--Details--

Label: DO02600
Serial No.: 162825
PCB Type/Code: MINERAL OIL/ULTRA LOW
Location:
Item/State: TRANSFORMER/FULL
No. of Items: 1
Manufacturer:
Status: STORED FOR DISPOSAL
Contents: 68 L

Label: DO02599
Serial No.: 851123
PCB Type/Code: MINERAL OIL/LOW
Location:
Item/State: TRANSFORMER/FULL
No. of Items: 1
Manufacturer:
Status: STORED FOR DISPOSAL
Contents: 91 L

Site: DEPARTMENT OF NATIONAL DEFENCE
CFB OTTAWA NORTH; ROCKCLIFFE OTTAWA ON K1A 0K5

Database:
NPCB

Company Code: O3010
Industry: National Defence
Site Status:
Transaction Date: 5/30/1990
Inspection Date:

Site: DEPARTMENT OF NATIONAL DEFENCE
OTTAWA ON K1R 3J7

Database:
NPCB

Company Code: O3014PH
Industry: NATIONAL DEFENCE
Site Status: DELETED FEDERAL SITES
Transaction Date: 12/6/1997
Inspection Date:

Site: Canada Lands Company CLC Limited
Ottawa Front Ponds Lot: 20,22,23,24,25, Concession: 1 (Ottawa Front), Geographic Township: Gloucester, City of

Database:
PTTW

Ottawa, CITY OF OTTAWA Gloucester ON

EBR Registry No:	012-5737	Decision Posted:	
Ministry Ref No:	4003-A47QUN	Exception Posted:	
Notice Type:	Instrument Decision	Section:	
Notice Stage:		Act 1:	
Notice Date:	April 07, 2016	Act 2:	
Proposal Date:	November 13, 2015	Site Location Map:	
Year:	2015		
Instrument Type:	(OWRA s. 34) - Permit to Take Water		
Off Instrument Name:			
Posted By:			
Company Name:	Canada Lands Company CLC Limited		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	30 Metcalfe Street, Suite 601, Ottawa Ontario, Canada K1P 5L4		
Comment Period:			
URL:			

Site Location Details:

Ottawa Front Ponds Lot: 20,22,23,24,25, Concession: 1 (Ottawa Front), Geographic Township: Gloucester, City of Ottawa, CITY OF OTTAWA Gloucester

Site: **Lots 23 & 24, Con 1, Gloucester ON**

Database:
RSC

RSC ID:		Cert Date:	
RA No:		Cert Prop Use No:	
RSC Type:		Intended Prop Use:	
Curr Property Use:		Qual Person Name:	
Ministry District:		Stratified (Y/N):	
Filing Date:	01/26/00	Audit (Y/N):	
Date Ack:		Entire Leg Prop. (Y/N):	
Date Returned:	03/10/00	Accuracy Estimate:	
Restoration Type:		Telephone:	
Soil Type:		Fax:	
Criteria:		Email:	
CPU Issued Sect			
1686:			
Asmt Roll No:			
Prop ID No (PIN):			
Property Municipal Address:			
Mailing Address:			
Latitude & Latitude:			
UTM Coordinates:			
Consultant:			
Legal Desc:			
Measurement Method:			
Applicable Standards:			
RSC PDF:			

Site: **DEPARTMENT OF NATIONAL DEFENCE
NEAR BUILDING #305 CANADIAN FORCES BASE OTTAWA OTTAWA CITY ON**

Database:
SPL

Ref No:	83744	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	//	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	UNDERGROUND TANK LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	

Environment Impact:	CONFIRMED	Site Municipality:	20101
Nature of Impact:	Soil contamination	Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	EPS
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	4/8/1993	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	CORROSION	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	CANADIAN FORCES BASE-APP.1400L AVIATION FUEL LEAK FROM UNDERGROUND TANK.		
Contaminant Qty:			

Site: Public Works and Government Service Canada (PWGSC)
Ottawa ON

Database:
SPL

Ref No:	3671-966N37	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	21-MAR-13	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	Collision/Accident	Sector Type:	Structure
Incident Event:		Agency Involved:	
Contaminant Code:	28	Nearest Watercourse:	
Contaminant Name:	MAGNESIUM CHLORIDE	Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	Not Anticipated	Site Municipality:	Ottawa
Nature of Impact:	Surface Water Pollution	Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	
MOE Response:	Referral to others	Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	26-MAR-13	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	Watercourse Spills
Incident Reason:	Road Conditions	Source Type:	
Site Name:	MacDonald Cartier Bridge<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	MacDonald Cartier Bridge:		
Contaminant Qty:	270 kg		

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 2019

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-Jan 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 2017

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: Feb 28, 2017

Chemical Register:Private [CHEM](#)

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

Government Publication Date: 1999-Jan 31, 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 - Feb 2020

Inventory of Coal Gasification Plants and Coal Tar Sites:Provincial [COAL](#)

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:Provincial [CONV](#)

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

Government Publication Date: 1989-Dec 2019

Certificates of Property Use:Provincial [CPU](#)

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

Government Publication Date: 1994-Apr 30, 2020

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 2019

Environmental Activity and Sector Registry:

Provincial

[EASR](#)

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

Government Publication Date: Oct 2011-May 31, 2020

Environmental Registry:

Provincial

[EBR](#)

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

Government Publication Date: 1994-Apr 30, 2020

Environmental Compliance Approval:

Provincial

[ECA](#)

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

Government Publication Date: Oct 2011-May 31, 2020

Environmental Effects Monitoring:

Federal

[EEM](#)

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

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private

[EHS](#)

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

Government Publication Date: 1999-Jan 31, 2020

Environmental Issues Inventory System:

Federal

[EIIS](#)

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial

[EMHE](#)

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report:

Provincial

[EPAR](#)

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

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: Feb 28, 2017

Federal Convictions:

Federal

FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

FCS

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

Government Publication Date: Jun 2000-Apr 2020

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: Feb 28, 2017

Fuel Storage Tank - Historic:

Provincial

FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

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

Government Publication Date: 1986-Jan 31, 2020

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 2017

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: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial

LIMO

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

Government Publication Date: 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-Jan 2020

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Mar 31, 2020

National Energy Board Wells:

Federal

NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

OGWE

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

Government Publication Date: 1988-Feb 29, 2020

Ontario Oil and Gas Wells:

Provincial

OOGW

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

Government Publication Date: 1800-Jun 2019

Inventory of PCB Storage Sites:

Provincial

OPCB

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

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

Orders:

Provincial

ORD

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

Government Publication Date: 1994-Apr 30, 2020

Canadian Pulp and Paper:

Private

PAP

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

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

Parks Canada Fuel Storage Tanks:

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial

PES

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

Government Publication Date: 1988 - May 2020

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 is an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial

PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial

PTTW

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

Government Publication Date: 1994-Apr 30, 2020

Ontario Regulation 347 Waste Receivers Summary:

Provincial

REC

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

Government Publication Date: 1986-2016**Record of Site Condition:**

Provincial

RSC

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

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Mar 2020**Retail Fuel Storage Tanks:**

Private

RST

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

Government Publication Date: 1999-Jan 31, 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

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-Nov 2019**Wastewater Discharger Registration Database:**

Provincial

SRDS

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

Government Publication Date: 1990-Dec 31, 2017**Anderson's Storage Tanks:**

Private

TANK

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

Government Publication Date: 1915-1953***Transport Canada Fuel Storage Tanks:**

Federal

TCFT

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

Government Publication Date: 1970-Aug 2018

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: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory:

Provincial

[WDS](#)

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

Government Publication Date: Oct 2011-May 31, 2020

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial

[WDSH](#)

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

[WWIS](#)

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

Government Publication Date: Feb 28, 2019

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Appendix E

Ministry of Environment, Conservation and Parks Freedom of Information (FOI) Request

Instructions

Use this form to request records that are in the Ministry's files on environmental concerns related to properties. Our fax number is 416 314-4285.

For Ministry Use Only

FOI Request Number	Date Request Received (yyyy/mm/dd)
Fee Paid	<input type="checkbox"/> Cheque <input type="checkbox"/> VISA/MC <input type="checkbox"/> Cash/Money Order
<input type="checkbox"/> CNR <input type="checkbox"/> ER <input type="checkbox"/> NOR <input type="checkbox"/> SWR <input type="checkbox"/> WCR <input type="checkbox"/> IEB <input type="checkbox"/> EAA <input type="checkbox"/> EMR <input type="checkbox"/> SCB <input type="checkbox"/> SDW	

1. Requester Data

Last Name Lopers	First Name Luke	Middle Initial A
Title Principal	Company Name Lopers & Associates	
Mailing Address		
Unit Number	Street Number 30	Street Name Lansfield Way
City/Town Ottawa		Province Ontario
Email Address Luke@Lopers.ca		Postal Code K2G 3V8
Telephone Number 613 327-9073		ext. Fax Number
Project/Reference Number LOP-20-001	Signature of Requester 	

2. Request Parameters

Municipal Address (Municipal address mandatory for cities, towns or regions)			
Unit Number	Street Number 715	Street Name Mikinak Road	PO Box
Lot Number Part of Lots 21, 22, 23, 24 and 25	Concession 1 (Ottawa Front)	Geographic Township Gloucester	
City/Town/Village Ottawa	Province Ontario	Postal Code K1K 3X7	

Present Property

1. Owner Ottawa Community Housing Corporation	Date of Ownership (yyyy/mm/dd) 2019/11/30
Tenant (if applicable)	

Previous Property

1. Owner Canada Lands Company CLC Limited	Date of Ownership (yyyy/mm/dd)
Tenant (if applicable)	

3. Search Parameters

Search Parameters	Specify Year(s) Requested
Environmental concerns (General correspondence, occurrence reports, abatement)	All
Orders	All
Spills	All
Investigations/prosecutions ► Owner and tenant information must be provided	All
Waste Generator number/classes	All

Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.

4. Environmental Compliance Approvals/Certificates of Approval

Environmental Compliance Approvals/Certificates of Approval	SD	Specify Year(s) Requested
air - emissions	<input type="checkbox"/>	
renewable energy	<input type="checkbox"/>	
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)	<input type="checkbox"/>	
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations	<input type="checkbox"/>	
waste water - industrial discharge	<input checked="" type="checkbox"/>	
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites	<input checked="" type="checkbox"/>	
waste systems - haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, PCB destruction	<input checked="" type="checkbox"/>	

Proponent information must be provided and Environmental Compliance Approval/Certificate of Approval number(s) (if known). 1985 and prior records are searched manually. Search fees in excess of \$300.00 may be incurred, depending on the types and years to be searched. Specify Approval number(s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, reports, etc.

Appendix F

Technical Standards and Safety Association Correspondence

Luke Lopers

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: June 12, 2020 11:36 AM
To: Luke Lopers
Subject: RE: TSSA Records Search Request - Environmental Research

Records Found

Hello,

Thank you for your request for confirmation of public information.

- We confirm the following **fuel storage tanks records** in our database at the subject address(es).

Inst Number	Context	Address	City	Province	Postal Code	St
9466243	FS GASOLINE STATION - SELF SERVE	77 VIA VENUS ST	OTTAWA	ON	K1K 0N2	EX
10907690	FS Liquid Fuel Tank	77 VIA VENUS ST	OTTAWA	ON	K1K 0N2	EX
10907705	FS Liquid Fuel Tank	77 VIA VENUS ST	OTTAWA	ON	K1K 0N2	EX
10907720	FS Liquid Fuel Tank	77 VIA VENUS ST	OTTAWA	ON	K1K 0N2	EX
10907738	FS Liquid Fuel Tank	77 VIA VENUS ST	OTTAWA	ON	K1K 0N2	EX
10907753	FS Liquid Fuel Tank	77 VIA VENUS ST	OTTAWA	ON	K1K 0N2	EX

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 or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

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,

Gaya

From: Luke Lopers <Luke@lopers.ca>
Sent: June 12, 2020 11:02 AM
To: Public Information Services <publicinformationsservices@tssa.org>
Subject: TSSA Records Search Request - Environmental Research

[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.

Good morning,

Could you please search the TSSA database for records of fuel storage tanks, spills, incidents or infractions for the following addresses located in the City of Ottawa (**formerly Gloucester or Rockcliffe**), ON:

- 715 Mikinak Road
- 77, 164 Via Venus Private
- 335 St. Laurent Boulevard

Thank you for your time,

Luke Lopers, P.Eng.

Principal

LOPERS & ASSOCIATES

Cell: 613-327-9073 Email: Luke@Lopers.ca

30 Lansfield Way, Ottawa, Ontario K2G 3V8

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.

Appendix G

City of Ottawa Historic Land Use Inventory (HLUI)



File Number: D06-03-20-0079

June 26, 2020

Luke Lopers
Lopers & Associates
30 Lansfield Way
Ottawa, ON K2G 3V8

Sent via email [luke@lopers.ca]

Dear Mr. Lopers,

**Re: Information Request
715 Mikinak Road, Ottawa, Ontario ("Subject Property")**

Internal Department Circulation

The Planning, Infrastructure and Economic Development Department has the following information in response to your request for information regarding the Subject Property:

- **Disposals and Environmental Remediation Unit:** The City's Environmental Remediation Unit has environmental records on file pertaining to the subject property noted above either directly on or adjacent to the subject property. To submit requests for information under the Municipal Freedom of Information and Protection of Privacy Act, please visit <https://ottawa.ca/en/city-hall/accountabilityand-transparency/accountability-framework/freedom-information-and-protectionprivacy/access-information>

Search of Historical Land Use Inventory

This acknowledges receipt of the signed Disclaimer regarding your request for information from the City's Historical Land Use Inventory (HLUI 2005) database for the Subject Property.

A search of the HLUI database revealed the following information:

- There are 5 activities associated with the Subject Property.

*Shaping our future together
Ensemble, formons notre avenir*

City of Ottawa
Planning, Infrastructure and Economic
Development Department

110 Laurier Avenue West, 4th Floor
Ottawa, ON K1P 1J1
Tel: (613) 580-2424 ext. 21690
Fax: (613) 560-6006
www.ottawa.ca

Ville d'Ottawa
Services de la planification, de l'infrastructure et
du développement économique

110, avenue Laurier Ouest, 4e étage
Ottawa (Ontario) K1P 1J1
Tél.: (613) 580-2424 ext. 21690
Télééc: (613) 560-6006
www.ottawa.ca

The HLUI database was also searched for activity associated with properties located within 250m of the Subject Property. The search revealed the following:

- There are 6 activities associated with 2 properties located within 250m of the Subject Property.

Please note that certain activities have been identified to have a PIN Certainty of “2”. This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the property. All database entries with a PIN Certainty of “2” require independent verification as to their precise location.

A **site map** and **table** have been included to show the location of the Subject Property as well as the location of all the activities noted above, including the HLUI database’s location of the Activity Numbers with a PIN Certainty of “2”.

Additional information may be obtained by contacting:

Ontario’s Environmental Registry

The Environmental Registry found at <http://www.ebr.gov.on.ca/ERS-WEB-External/> contains "public notices" about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed new laws, regulations, policies and programs or about proposals to change or eliminate existing ones. By using keys words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

The Ontario Land Registry Office

Registration of real property is recorded in the Ontario Land Registry Office through the Land Titles Act or the Registry Act. Documents relating to title and other agreements that may affect your property are available to the public for a fee. It is recommended that a property search at the Land Registry Office be included in any investigation as to the historic use of your property. The City of Ottawa cannot comment on any documents to which it is not a party.

Court House
161 Elgin Street 4th Floor
Ottawa ON K2P 2K1
Tel: (613) 239-1230
Fax: (613) 239-1422

Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal

addresses over time may introduce error. Accordingly, all information from the HLUI database is provided on an “as is” basis with no representation or warranty by the City with respect to the information’s accuracy or exhaustiveness in responding to the request.

Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database.

Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property. You may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.

If you have any further questions or comments, please contact Colette Gorni at 613-580-2424 ext. 21239 or HLUI@ottawa.ca

Sincerely,

A handwritten signature in dark ink, appearing to read "Colette Gorni". The signature is fluid and cursive, with the first name "Colette" written in a larger, more prominent script than the last name "Gorni".

Colette Gorni

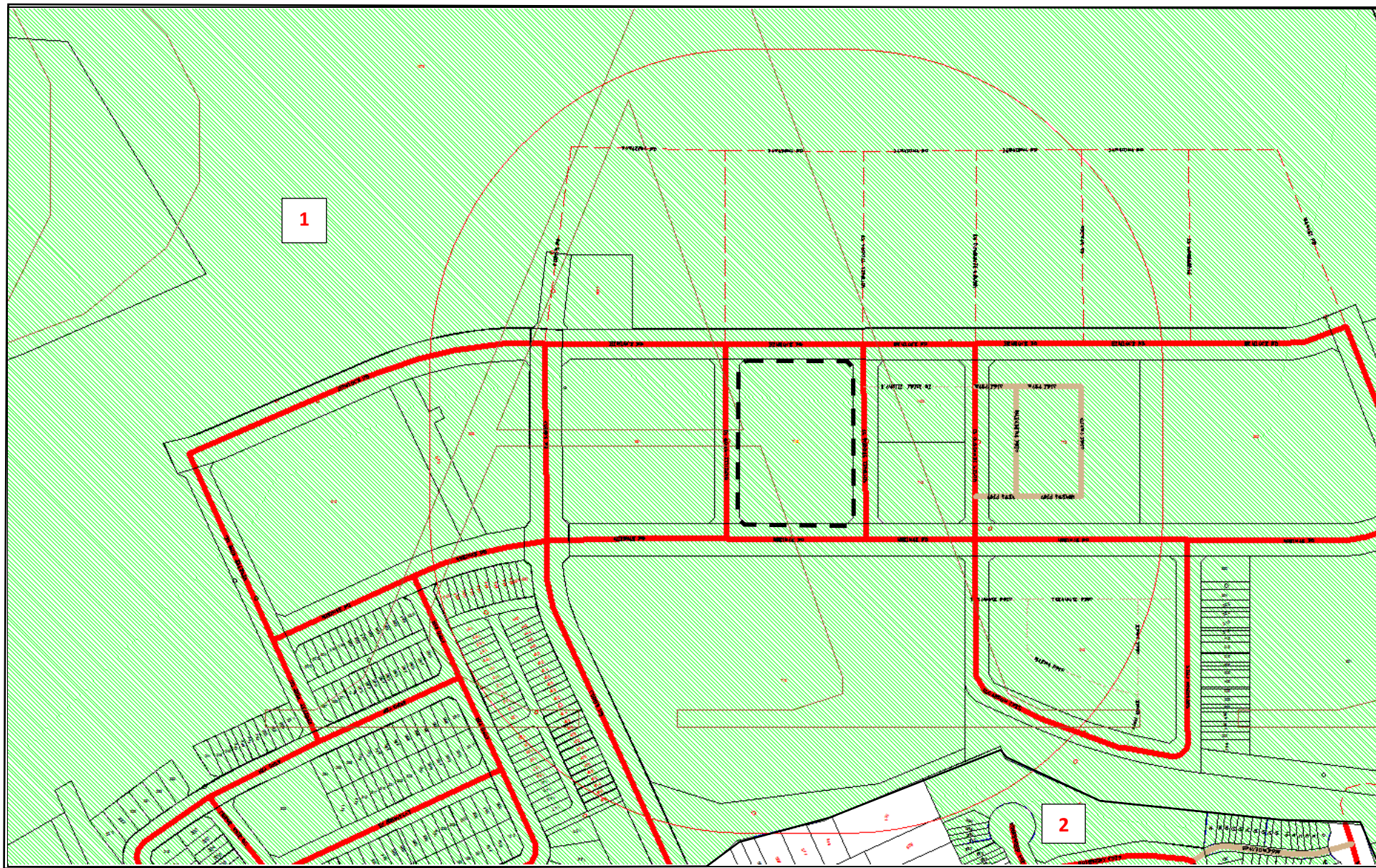
Per:

Michael Boughton, MCIP, RPP
Senior Planner
Development Review East
Planning Services
Planning, Infrastructure and Economic Development Department

MB / CG

Enclosures.

cc: File no. D06-03-20-0079



Address: 715 Mikinak Road
Ottawa, ON

File No.: D06-03-20-0079

Prepared By: Colette Gorni

Legend:

- 00 Area Number
- Subject Site
- 250 m Buffer

Scale:

1 : N/A



Area	Associated HLUI Activities	Associated HLUI Activities with a PIN Certainty of "2" *
Subject Property	2586, 3909, 4098, 9517	9569
1	2586, 3909, 4098, 9517	9569
2	2586	

*This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the property. All database entries with a PIN Certainty of "2" require independent verification as to their precise location.

Historical Land Use Inventory

Activity Numbers –

Subject Property/Properties

**CITY OF OTTAWA**

HLUI ID: __670HX9

AREA (Square Metres): 1512922.825

Report: RPTC_OT_DEV0122

Run On: 19 Jun 2020 at: 10:14:45

Study Year
1998**PIN**
042730256**Multi-NAIC**
Y**Multiple Activities**
Y

Activity ID: 2586 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :** 6116

Related PINS: 042730130

Name: CANADIAN FORCES BASE (NORTH)

Address: , OTTAWA

Facility Type: Service Industries Incidental to Air Transport

Comments 1: UTM = 450000E, 5033600N (1985) Area is 2,5 km x 2,7 km Rifle range there in 1922.

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: 1922-DMD-TM-Ottawa Sheet #14; 1948-DND-ASE-NTS-31G/5; 1967-EMR-SMB-NTS-31/5-7th ed.; 1985-EMR-SMB-NTS-31/5-11th ed.

HL References 2:

HL References 3:

NAICS	SIC
488190	452
532410	452
911110	811
488111	452
488119	452
561722	452

Company Name

Canadian Forces Base (North)

Year of Operation

c. 1948 -1985



CITY OF OTTAWA
HLUI ID: __670HX9
AREA (Square Metres): 1512922.825

Report: RPTC_OT_DEV0122

Run On: 19 Jun 2020 at: 10:14:45

Study Year
1998

PIN
042730256

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 3909 Multiple PINS: N
PIN Certainty: 1 Previous Activity ID(s) : 3468
Related PINS: 042730256
Name: DEPT. OF NATIONAL DEFENCE - CFSU (O)
Address: 164 VIA VENUS PRIVATE, OTTAWA
Facility Type: Defence Services
Comments 1: CFSU OTTAWA NORTH - ROCKCLIFFE SITE
Comments 2:
Generator Number: ON0046539
Storage Tanks:
HL References 1: M.1960, M.1970, M.1980
HL References 2:
HL References 3: 2003 PID

NAICS	SIC
911110	811
911110	0

Company Name	Year of Operation
DEPT. OF NATIONAL DEFENCE	c. 2000
DEPT. OF NATIONAL DEFENCE - CFSU (O)	c. 2003
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA	c. 2000
Royal Canadian Armed Forces Buildings	c. 1970-1980



CITY OF OTTAWA
HLUI ID: __670HX9
AREA (Square Metres): 1512922.825

Report: RPTC_OT_DEV0122

Run On: 19 Jun 2020 at: 10:14:45

Study Year
1998

PIN
042730256

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 4098 **Multiple PINS:** Y
PIN Certainty: 1 **Previous Activity ID(s) :** 6782
Related PINS: 042730254
Name: CYRVILLE GRAVEL PIT
Address: , OTTAWA
Facility Type: Sand and Gravel Pits
Comments 1: - 5.5 acres
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: City of Gloucester-1953-Assessment Role p. 212
HL References 2:
HL References 3:

NAICS **SIC**
212323 82

Company Name **Year of Operation**
Cyrville Gravel Pit c. 1953



CITY OF OTTAWA
HLUI ID: __670HX9
AREA (Square Metres): 1512922.825

Report: RPTC_OT_DEV0122

Run On: 19 Jun 2020 at: 10:14:45

Study Year
1998

PIN
042730256

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 9517 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 042730256

Name: NATIONAL CAPITAL COMMISSION

Address: 335 ST. LAURENT BOULEVARD, OTTAWA

Facility Type: Service Industries Incidental to Air Transport

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Property Assessment

NAICS	SIC
488119	0
488111	0
488190	0

Company Name

NATIONAL CAPITAL COMMISSION

Year of Operation

c. 2005



CITY OF OTTAWA
HLUI ID: __670HX9
AREA (Square Metres): 1512922.825

Report: RPTC_OT_DEV0122

Run On: 19 Jun 2020 at: 10:14:45

Study Year
1998

PIN
042730256

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 9569
PIN Certainty: 2
Related PINS: 042720001

Multiple PINS: Y
Previous Activity ID(s) : 5651

Name: NATIONAL RESEARCH COUNCIL
Address: 1500 MONTREAL ROAD, OTTAWA
Facility Type: Petroleum Products, Wholesale
Comments 1: UTM = 451650E, 5032300N (1985) Area is 7 km x 20 km
Comments 2:

Generator Number:

Storage Tanks: 3 - vertical tanks

HL References 1: M.1960, M.1970, M.1980, 1922-DMD-TM-Ottawa Sheet #14, 1948-DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31/5-7th ed., 1985-EMR-SMB-NTS-31/5-11th ed.

HL References 2:

HL References 3:

NAICS	SIC
911910	815
454310	511
419120	511
412110	511

Company Name

National Research Council

Year of Operation

c. 1948-1985

Historical Land Use Inventory

Activity Numbers –

Adjacent Properties

Historical Land Use Inventory

Area #1 Activity Numbers

**CITY OF OTTAWA**

HLUI ID: __670HX9

AREA (Square Metres): 1512922.825

Report: RPTC_OT_DEV0122

Run On: 19 Jun 2020 at: 10:14:45

Study Year
1998**PIN**
042730256**Multi-NAIC**
Y**Multiple Activities**
Y

Activity ID: 2586 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :** 6116

Related PINS: 042730130

Name: CANADIAN FORCES BASE (NORTH)

Address: , OTTAWA

Facility Type: Service Industries Incidental to Air Transport

Comments 1: UTM = 450000E, 5033600N (1985) Area is 2,5 km x 2,7 km Rifle range there in 1922.

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: 1922-DMD-TM-Ottawa Sheet #14; 1948-DND-ASE-NTS-31G/5; 1967-EMR-SMB-NTS-31/5-7th ed.; 1985-EMR-SMB-NTS-31/5-11th ed.

HL References 2:

HL References 3:

NAICS	SIC
488190	452
532410	452
911110	811
488111	452
488119	452
561722	452

Company Name

Canadian Forces Base (North)

Year of Operation

c. 1948 -1985



CITY OF OTTAWA
HLUI ID: __670HX9
AREA (Square Metres): 1512922.825

Report: RPTC_OT_DEV0122

Run On: 19 Jun 2020 at: 10:14:45

Study Year
1998

PIN
042730256

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 3909 Multiple PINS: N
PIN Certainty: 1 Previous Activity ID(s) : 3468
Related PINS: 042730256
Name: DEPT. OF NATIONAL DEFENCE - CFSU (O)
Address: 164 VIA VENUS PRIVATE, OTTAWA
Facility Type: Defence Services
Comments 1: CFSU OTTAWA NORTH - ROCKCLIFFE SITE
Comments 2:
Generator Number: ON0046539
Storage Tanks:
HL References 1: M.1960, M.1970, M.1980
HL References 2:
HL References 3: 2003 PID

NAICS	SIC
911110	811
911110	0

Company Name	Year of Operation
DEPT. OF NATIONAL DEFENCE	c. 2000
DEPT. OF NATIONAL DEFENCE - CFSU (O)	c. 2003
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA	c. 2000
Royal Canadian Armed Forces Buildings	c. 1970-1980



CITY OF OTTAWA
HLUI ID: __670HX9
AREA (Square Metres): 1512922.825

Report: RPTC_OT_DEV0122

Run On: 19 Jun 2020 at: 10:14:45

Study Year
1998

PIN
042730256

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 4098 **Multiple PINS:** Y
PIN Certainty: 1 **Previous Activity ID(s) :** 6782
Related PINS: 042730254
Name: CYRVILLE GRAVEL PIT
Address: , OTTAWA
Facility Type: Sand and Gravel Pits
Comments 1: - 5.5 acres
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: City of Gloucester-1953-Assessment Role p. 212
HL References 2:
HL References 3:

NAICS **SIC**
212323 82

Company Name

Cyrville Gravel Pit

Year of Operation

c. 1953



CITY OF OTTAWA
HLUI ID: __670HX9
AREA (Square Metres): 1512922.825

Report: RPTC_OT_DEV0122

Run On: 19 Jun 2020 at: 10:14:45

Study Year
1998

PIN
042730256

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 9517 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 042730256

Name: NATIONAL CAPITAL COMMISSION

Address: 335 ST. LAURENT BOULEVARD, OTTAWA

Facility Type: Service Industries Incidental to Air Transport

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Property Assessment

NAICS	SIC
488119	0
488111	0
488190	0

Company Name

NATIONAL CAPITAL COMMISSION

Year of Operation

c. 2005



CITY OF OTTAWA
HLUI ID: __670HX9
AREA (Square Metres): 1512922.825

Report: RPTC_OT_DEV0122

Run On: 19 Jun 2020 at: 10:14:45

Study Year
1998

PIN
042730256

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 9569
PIN Certainty: 2
Related PINS: 042720001

Multiple PINS: Y
Previous Activity ID(s) : 5651

Name: NATIONAL RESEARCH COUNCIL
Address: 1500 MONTREAL ROAD, OTTAWA
Facility Type: Petroleum Products, Wholesale
Comments 1: UTM = 451650E, 5032300N (1985) Area is 7 km x 20 km
Comments 2:

Generator Number:

Storage Tanks: 3 - vertical tanks

HL References 1: M.1960, M.1970, M.1980, 1922-DMD-TM-Ottawa Sheet #14, 1948-DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31/5-7th ed., 1985-EMR-SMB-NTS-31/5-11th ed.

HL References 2:

HL References 3:

NAICS	SIC
911910	815
454310	511
419120	511
412110	511

Company Name

National Research Council

Year of Operation

c. 1948-1985

Historical Land Use Inventory

Area #2 Activity Numbers

**CITY OF OTTAWA****HLUI ID: __679GVN****AREA (Square Metres): 9049.688**

Report: RPTC_OT_DEV0122

Run On: 19 Jun 2020 at: 10:16:27

Study Year
1998**PIN**
042740073**Multi-NAIC**
Y**Multiple Activities**
N

Activity ID: 2586 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :** 6116

Related PINS: 042730130

Name: CANADIAN FORCES BASE (NORTH)

Address: , OTTAWA

Facility Type: Service Industries Incidental to Air Transport

Comments 1: UTM = 450000E, 5033600N (1985) Area is 2,5 km x 2,7 km Rifle range there in 1922.

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: 1922-DMD-TM-Ottawa Sheet #14; 1948-DND-ASE-NTS-31G/5; 1967-EMR-SMB-NTS-31/5-7th ed.; 1985-EMR-SMB-NTS-31/5-11th ed.

HL References 2:

HL References 3:

NAICS	SIC
488190	452
532410	452
911110	811
488111	452
488119	452
561722	452

Company Name

Canadian Forces Base (North)

Year of Operation

c. 1948 -1985

Appendix H

Aerial Photographs



1945 Aerial Photograph



1965 Aerial Photograph



1976 Aerial Photograph



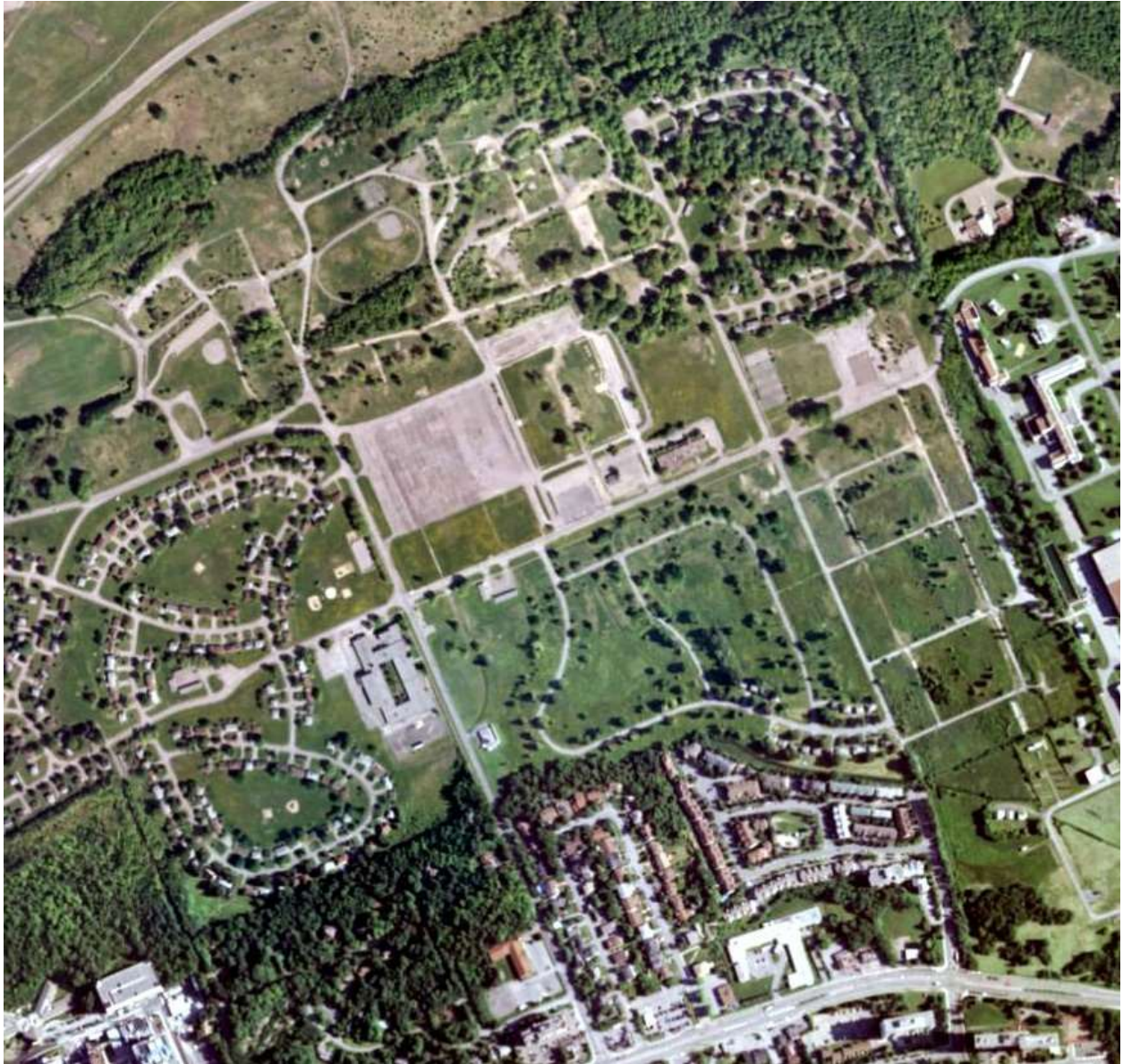
1984 Aerial Photograph



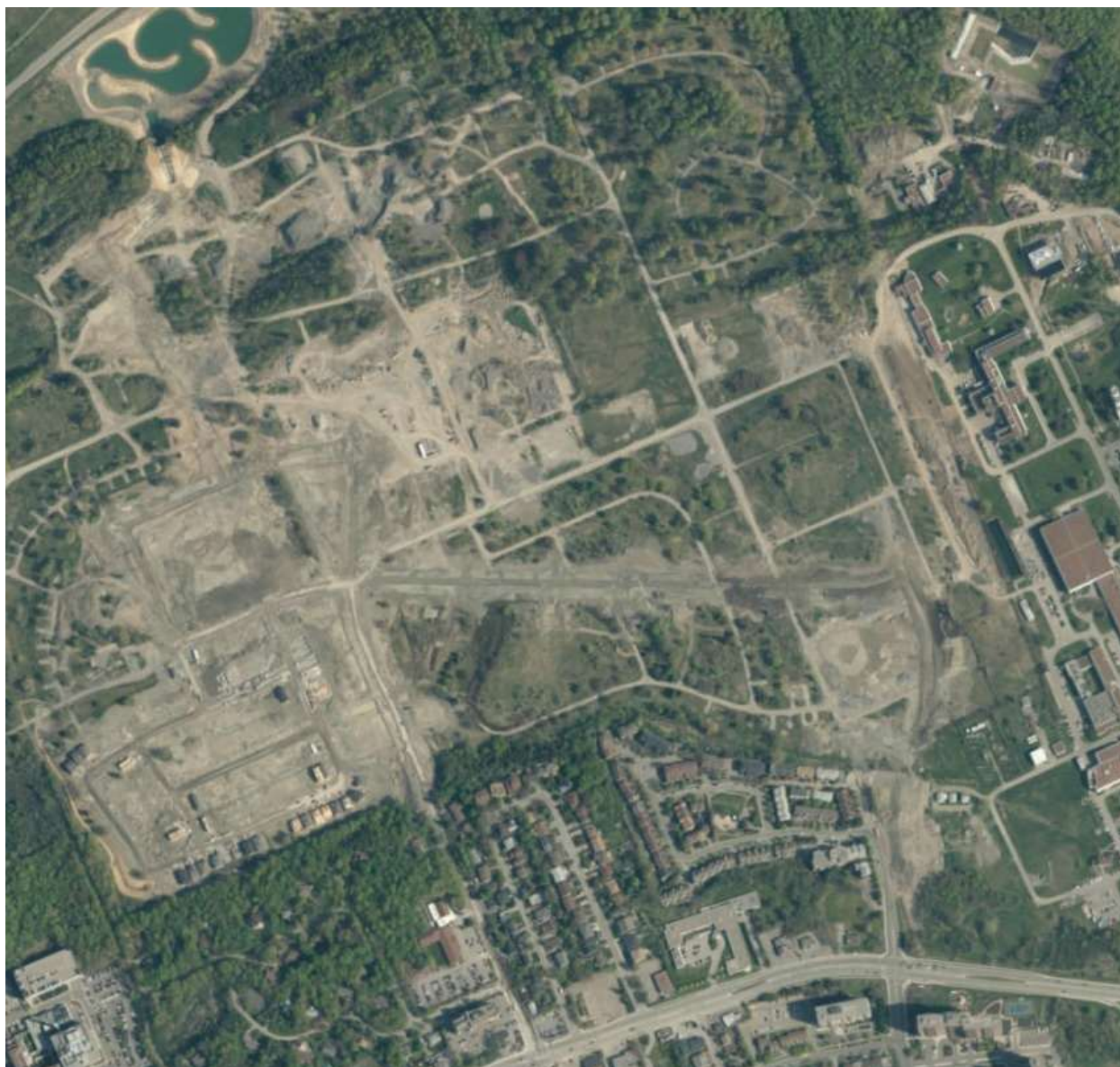
1991 Aerial Photograph



1999 Aerial Photograph



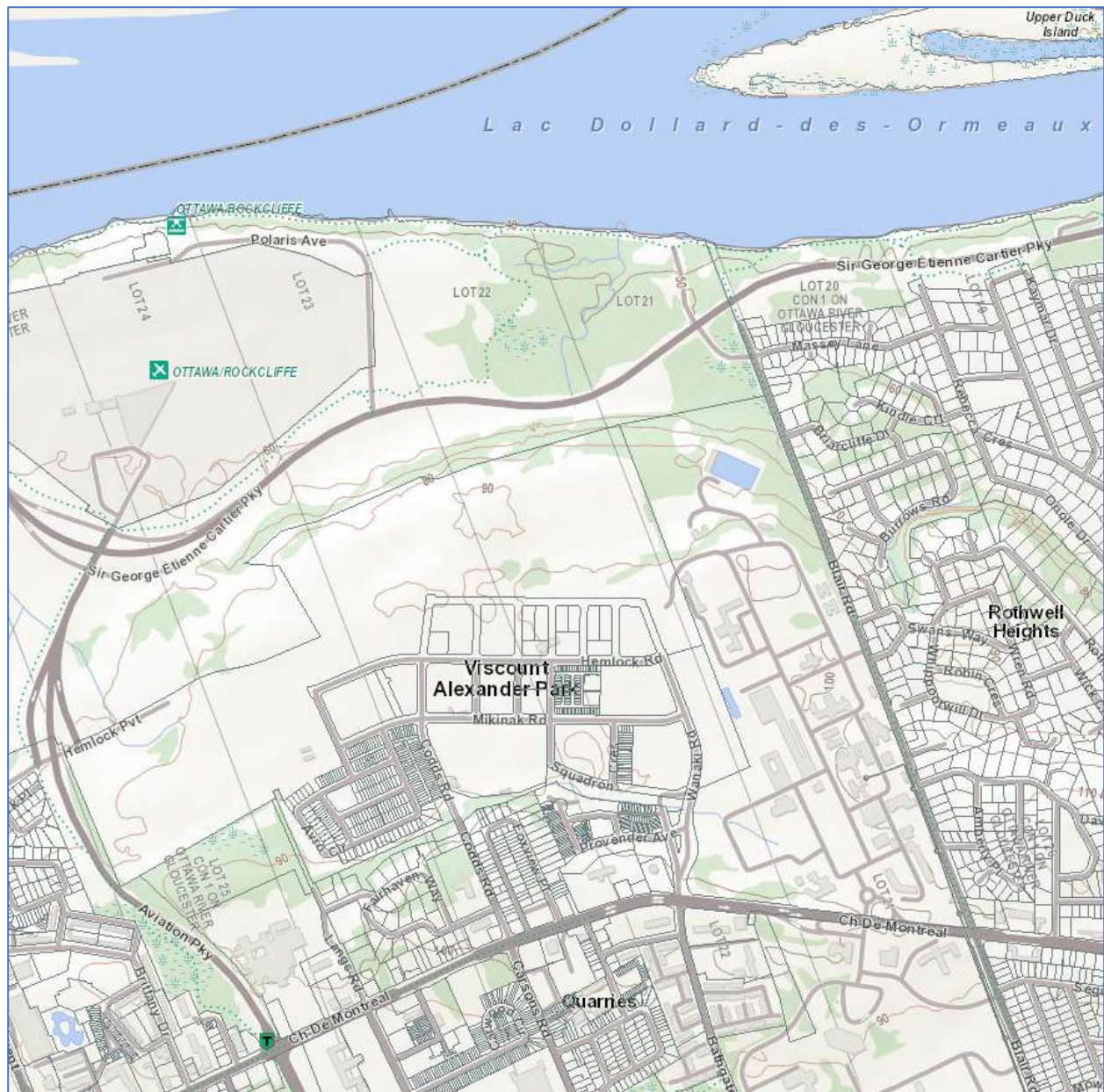
2008 Aerial Photograph



2017 Aerial Photograph

Appendix I

Topographic Map



Topographic Map

Appendix J

Photographic Log



Photograph 1: View of Phase One Property looking north from Mikinak Road.



Photograph 2: View of Phase One Property looking east from Barielle-Snow Street. View shows former Right-of-Way, granular infill, some existing monitoring wells.



Photograph 3: View of Phase One Property looking south from Hemlock Road. View shows former excavation area, granular infill and existing monitoring wells.



Photograph 4: View of Phase One Property looking southwest from Hemlock Road. View shows former excavation area, granular infill and existing monitoring wells.



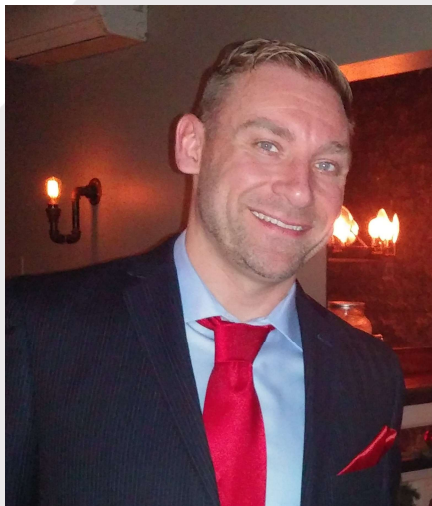
Photograph 5: View of Phase One Property looking southwest from intersection of Hemlock Road and Michael Stoqua Street. View shows granular infill and existing monitoring wells.



Photograph 6: View of Phase One Property looking west from Micheal Stoqua Street. View shows former Right-of-Way, granular infill, some existing monitoring wells.

Appendix K

Qualifications of Assessors



PROFILE

Mr. Lopers is an environmental engineer with over 12 years of experience in environmental engineering specializing in due diligence investigations. Mr. Lopers has extensive experience in Phase I and II Environmental Site Assessments; environmental remediation, and investigations; record of site condition submissions; asset inventory, designated substance surveys and abatement projects; environmental expertise on legal issues; and coordination of various monitoring programs (groundwater, surface water, air).

Mr. Lopers has participated in various Property Condition and Building Envelope mandates at various residential and commercial properties throughout Ontario.

Mr. Lopers has a strong commitment to health and safety, having experience leading a regional health and safety committee as a certified employee representative. Mr. Lopers has extensive training including OSHA 40-hour HAZWOPER, ASP Health and Safety on Construction Sites in Quebec, Ontario Working at Heights, Emergency First Aid/CPR and WHMIS.

CONTACT

EMAIL:

Luke@Lopers.ca

LUKE LOPERS

Principal

LOPERS & ASSOCIATES

EDUCATION

University of Waterloo,

B.A.Sc., Honours Environmental Engineering

Management Science Option Designation - 2002 - 2008

PROFESSIONAL EXPERIENCE

Lopers & Associates, Principal, Project Manager, Senior Environmental Engineer

Ottawa, Ontario - 2020–Present

Responsible for the management, coordination, supervision, completion and delivery of Phase I/1 and II/2 Environmental Site Assessments, Environmental Remediation Programs, Environmental litigation support, Designated Substance Surveys, scope of work development, cost estimates and proposals

GHD Limited, Project Manager, Senior Environmental Engineer

Ottawa, Ontario - 2013–2020

Responsible for the management, senior technical review, coordination, supervision, completion and delivery of Phase I/1 and II/2 Environmental Site Assessments, Environmental Remediation Programs, Environmental litigation support, Designated Substance Surveys, scope of work development, cost estimates and proposals
Office Safety Captain and Joint Health and Safety Committee team leader

Paterson Group Inc., Project Manager, Environmental Engineer

Ottawa, Ontario - 2009–2013

Responsible for supervision, completion and review for Phase I/1 and II/2 Environmental Site Assessments, Environmental Remediation Programs, Designated Substance Surveys

NEXT Environmental Inc., Site Investigation Staff

Burnaby, British Columbia - 2008–2009

Responsible for fieldwork and reporting for Stage/Phase I and II Environmental Site Assessments, Environmental Remediation Programs

PROFESSIONAL DESIGNATIONS

Licensed Professional Engineer (P.Eng.) with Professional Engineers Ontario (PEO) since 2012

Qualified Person (QP), Environmental Site Assessments with Ontario Ministry of the Environment, Conservation and Parks

PROJECT EXPERIENCE

Environmental Site Assessments

**Project Engineer/Manager
Phase 1 Environmental Site
Assessment | Various Clients |
Ontario, Quebec and British
Columbia | 2006-2020**

**Project Engineer/Manager
Phase Two Environmental Site
Assessments | Various Clients |
Various Locations | 2008-2020**

**Project Manager
Phase One, Phase Two
Environmental Site
Assessments, Environmental
Delineation Quality Assurance
Program | Costco Wholesale |
Ottawa, ON | 2014-2019**

Environmental Remediation Programs

**Project Engineer
Underground Fuel Storage
Tank Removals and
Environmental Remediation
Programs in Vicinity of Active
Underground Services |
Ottawa, ON | 2010, 2012**

Project Engineer/Manager for Phase I Environmental Site Assessments in support of acquisition/divestiture/regulatory requirements for various properties in Ontario, Quebec and British Columbia, including the following:

- Canadian Tire Retail Store and Gas Bar, CTR 417 - 2560 Princess Street, Kingston, Ontario
- Former Automotive Dealership and Service Garage, North Vancouver, British Columbia
- Former Philips Cable Plant, Brockville, Ontario
- Former Cornwall Cotton Mill, Cornwall, Ontario
- Retail Fuel Outlet and Automotive Service Garage, Ottawa, Ontario
- Jack Garland Airport Land, North Bay, Ontario
- Various Commercial/Residential Properties, Ontario and British Columbia
- Various Residential Properties, Ontario, Quebec and British Columbia
- Rochester Heights (811, 818 Gladstone Avenue), Ottawa, Ontario

Project Engineer/Manager for the following field investigation and/or regulatory reporting requirements for Phase II ESAs and other Site Investigations:

- Proposed Canadian Tire Development, CTR 693P - Terry Fox Drive at Eagleson Road, Stittsville, Ontario
- Former Retail/Private Fuel Outlets, Ottawa/North Bay/Vancouver, Canada
- Operational/Former Industrial Facilities, Ottawa/Cornwall/Sarnia/Brockville/Gananoque, Ontario
- Existing Dry Cleaning Facilities, Ottawa/Arnprior, Ontario
- Automotive Service Garages, Ottawa/Vancouver, Canada
- Various Commercial/Residential Properties, Eastern Ontario
- Tetrachloroethylene Groundwater Plume, Commercial Property, Ottawa, Ontario
- Rochester Heights (811, 818 Gladstone Avenue), Ottawa, Ontario

Project Manager for the completion of a Phase One ESA for the potential acquisition of a commercial property. Upon discovery of APECs at the Site and significant data gaps in previous investigations, completed a Phase Two ESA to evaluate soil and groundwater quality at the Site. Further oversight of original owner's environmental consultants was completed to ensure adequate delineation and characterization of a dNAPL groundwater plume at the Site, present at significant depths in shale bedrock, which originated as a result of a former on-Site dry-cleaning operation.

Project Engineer for removal of underground heating oil storage tanks adjacent to residential buildings. Completed excavation supervision of contaminated soil around and below active underground services, including hydro, water and natural gas infrastructure at residential properties. Activities included oversight of removal of petroleum, impacted soil, and field screening and collection of confirmatory soil and groundwater samples for petroleum hydrocarbon analysis. Prepared Phase I, II and III Environmental Site Assessment reports.

**Project Engineer
Retail Fuel Outlet
Decommissioning and
Remediation | Ottawa, ON |
2012**

**Project Engineer/Manager
Former Fuel Outlet
Investigation and Remediation |
Merrickville, ON | 2016-2017**

Record of Site Conditions

**Project Manager/Engineer
Residential Redevelopment |
Environmental Remediation
Program and Record of Site
Condition Submission | Ottawa
| 2015**

**Project Manager/Engineer
Industrial Development |
Environmental Assessment and
Record of Site Condition
Submission | Township of
Edwardsburgh/Cardinal | 2015**

Excess Soil Management

**Project Engineer/Manager
Management of Excess Soil |
CTREL, Brigid, Ottawa
Community Housing
Corporation | Ottawa and
Pembroke, Ontario | 2016, 2018**

Designated Substance Surveys

**Project Manager
Designated Substance Surveys
and Hazardous Building
Materials Assessment |
Ottawa, Pembroke,
Southeastern Ontario | 2010-
2020**

Environmental Litigation Support

**Project Manager, Field
Engineer, Expert Witness
Ottawa, Ontario | 2014-2020**

Project Engineer for UST removal and confirmatory soil sampling at former ESSO gas station in Ottawa, Ontario. Activities included oversight of removal of USTs and product lines, oversight of removal of petroleum-impacted soil and groundwater encountered and backfilling operations, and field screening and collection of confirmatory soil and groundwater samples for petroleum hydrocarbon analysis.

Project Engineer for confirmatory soil and groundwater sampling following UST removal at former Shell gas station. Activities included oversight of removal of petroleum-impacted soil, pumping of groundwater encountered and backfilling operations, and field screening and collection of confirmatory soil and groundwater samples for petroleum hydrocarbon analysis. Additional borehole/monitoring well drilling also completed.

Project Manager for delineation of soil contamination and groundwater sampling for a former automotive garage and gas station property in Ottawa, Ontario. Presented and implemented remedial action plan to remediate on-site contamination. Directed staff in collection of post remediation confirmatory soil and groundwater samples for contaminants of concern. Prepared remediation closure report and record of site condition supporting documentation for submission to the Ministry of the Environment and Climate Change.

Project Manager for environmental assessments for a proposed industrial business park, in an existing industrial area within the Township of Edwardsburgh/Cardinal, Ontario. Prepared environmental assessment reports and record of site condition supporting documentation for submission to the Ministry of the Environment and Climate Change.

Project Engineer/Manager for sampling, analytical testing, development of soil management plans and monitoring during removal of excess soil generated as part of construction activities, including the following properties/facilities:

- Rochester Heights (811, 818 Gladstone Avenue), Ottawa, Ontario
- Residential redevelopment, 121 Parkdale Avenue, Ottawa, Ontario
- CTR 079, 1104 Pembroke Street East, Pembroke, Ontario
- CTR 297, 2010 Ogilvie Road, Ottawa, Ontario

Project Manager for asbestos containing material (ACM) surveys, designated substance surveys (DSSs), Hazardous Building Materials Assessments (HBMA) or mould assessments at the following sites:

- DSSs at various municipal facilities for the City of Pembroke, Pembroke, Ontario. Preparation of Asbestos Management Plan.
- HBMA at various institutional buildings for the Catholic District School Board of Eastern Ontario, Southeastern Ontario.
- DSSs and ACM surveys at various residential, buildings (dwellings and apartment buildings) for private residential clients, Ottawa, Ontario.
- DSS and abatement oversight during demolition, residential buildings (townhouses) for Ottawa Community Housing Corporation, 818 Gladstone Avenue, Ottawa, Ontario.

Project Manager, Field Engineer and Expert Witness for a fuel spill, remediation program, groundwater monitoring program and litigation review for redevelopment of a residential property adjacent to a central heating plant at an institutional facility.

Education

BEng Geological Engineering, École Polytechnique de Montreal, Montreal, Quebec, 1990

MSc Geophysics, University of British Columbia, Vancouver, British Columbia, 1983

BSc Geophysics, Honours, University of British Columbia, Vancouver, British Columbia, 1980

Certifications

Registered as PMP with Project Management Institute since 2012, requalified in 2018

Qualified Person (QP) for Environmental Site Assessments with Ontario Ministry of Environment and Conservation and Parks

Professional Affiliations

Licensed as P.Eng. with the Professional Engineers of Ontario (PEO) since 1994

Licensed as Ing. with l'Ordre des ingénieurs du Québec (OIQ), 1992

Licensed as P.Eng. with NAPEG (NWT and Nunavut), since 2009.

Licensed as P.Eng with Engineers Yukon since 2018

Federal Clearance Level

Secret ID # 95251065

DON PLENDERLEITH

Senior Environmental Engineer and Project Manager

PROFESSIONAL SUMMARY

Mr. Plenderleith has been an environmental engineer for 30 years. From 1990 to 2000 he worked at specialty firms in Montreal and Ottawa where he gained field and reporting experience in site assessment and remediation of retail fuel outlets and railway yards. In 1991 and 1992 he worked on a CIDA sponsored project to assess additional water resource potential in two provinces in Indonesia. He worked for Golder for 19 years on projects in Ottawa, the North and overseas.

His expertise covers all steps in contaminated site management: Phase I, II and III environmental site assessments (ESAs), risk assessments, remedial options evaluations, remedial action plans, tender plans and specifications, remediation project oversight, long-term monitoring and project closure. He has largely concentrated on federal sites since 2002 and was Golder's initial point of contact on the Environmental Standing Offer Agreement with PSPC in the National Capital over that time.

Don led Golder's national client service team for Federal government and was responsible to Golder's management for maintaining strong relations with the federal government. Locally, he provided project management and technical direction of a variety of environmental projects from the Ottawa office. Don mentored several junior professionals. His site portfolio included: military bases, Northern sites, navigational sites, correctional facilities, research labs, commercial buildings and Canadian embassies abroad. On several multi-year projects (Kingston Penitentiary and Connaught Ranges landfill) he directed all steps of site management from initial investigations, through to site closure.

Don is equally experienced at providing strategic and portfolio-level assistance to clients as well as site-specific level work. He has written contaminated sites management plans for several federal Departments. He helped to develop components of the FCSAP project manager's tool kit and has trained federal project managers in its use. He has provided program-level assistance to the FCSAP Secretariat for funding demand forecasting and long-term strategy and risk management. For nine years he led a multi-disciplinary team that performed contaminated site liability peer reviews for the Office of the Auditor General of Canada.

Don completed his engineering degree in French and is licensed to practice in Quebec. He frequently coordinates the French language component at bilingual meetings and workshops.

PROJECT EXPERIENCE – STANDING OFFER MANAGER

**Public Services and
Procurement Canada,
National Capital Region,
Environmental
Engineering Standing
Offer (2002-2019).**

Don managed Golder's Environmental Standing Offer Agreement (SOA) with PSPC in the National Capital Region from 2002 to 2019. He was the first point of contact with PSPC for new call-ups. He formed project teams from the approved resources and reviewed the work plans under each call-up. He was responsible and accountable for Golder's overall project performance to PSPC.

PROJECT EXPERIENCE – SENIOR PROJECT MANAGER

**Phase I, II, and III and
Remediation at Pittsburgh
Institution and Kingston
Penitentiary for PSPC/CSC
near Kingston, Ontario**

Environmental Site Assessment, Remediation Planning and Implementation for the Pittsburgh Institution and Kingston Penitentiary, Kingston, Ontario from 2007 to 2015 - Don was the Senior Project Manager and project reviewer for the Phase I, II and III of contaminated sites on two similar projects at these federal penitentiaries. Don performed project management and provided technical direction during the full suite of services from site assessment through to remediation. Federal project management tools, and FCSAP technical tools (GOST) were used to assist with procedural compliance. Don assisted PSPC with the tender specification for both remediation projects and performed on-site supervision during the fast-track remediation work at Pittsburgh. Don also performed senior review of the draft and final reports.

**Peer Review and Liability
Review of US Steel Site in
Hamilton Harbour for
PSPC and Transport
Canada (July-August 2016)**

Don was the Senior Project Manager for a Peer Review of reports pertaining to the US Steel site on Hamilton Harbour that the Hamilton Port Authority (HPA) was considering purchasing. TC requested the peer review and liability review in its oversight role over the HPA. Don brought a senior expert in at steel industry at Golder onto the project team. With his input some important gaps in the previous site assessments, management plans and liability estimates were identified to TC.

**Contaminated Site
Reporting and Review for
Department of National
Defence Ottawa, Ontario,
Canada**

Don has managed several projects for DND's Director General Environment, related to the financial reporting of DND's contaminated sites. He managed the EcoNet validation project in 2006, in which the systems and procedures by which site cost and liability information are input to DND's Contaminated Site database, Econet. Several of DND's major projects being run out of headquarters were reviewed in that exercise. In 2008 he assisted DND by producing the 2008 update of their Contaminated Sites Management Plan (CSMP) for Treasury Board submission. Nine divisional CSMPs were reviewed, summarized and incorporated into the departmental CSMP.

PROGRAM LEVEL WORK – FEDERAL CONTAMINATED SITES

Project Management Tools for Contaminated Sites, Ottawa, Ontario, Canada

Mr. Plenderleith developed two of the FCSAP Project Management Tools: Status Reporting and Project Risk Management. He has provided training in the tools to federal project managers country-wide. He has delivered training sessions at RPIC National Contaminated Sites workshops on several occasions on the PM Tools, the Sustainable Development Tool (SDAT), and Guidance Tool for Selection of Technologies Tools (GOST).

Assistance to FCSAP for program-level Risk Management, PWGSC/ECCC Ottawa, Ontario

Don has led a team at Golder that provided assistance to the FCSAP Secretariat from 2013 to 2019 in the areas of cost projections for funding demand estimates. He devised a method of projecting the costs of unassessed sites based on closure costs of similar sites. This tool was used to estimate the funding demand for FCSAP Phase III and past Phase III. Don assisted the Secretariat with Long-Term Strategic planning for FSCAP post 2020 when the 15-year program is due to sunset.

Secondments to Federal Departments

Mr. Plenderleith has been seconded from Golder to the Department of Foreign Affairs and International Trade (now Global Affairs Canada “GAC”) on three occasions to develop their Contaminated Sites Management Plans and to fill in while GAC was staffing their full-time environmental engineer position. Through these secondments he has developed a greater understanding of the role of federal custodians in managing their programs.

PROJECT EXPERIENCE – NORTHERN SITES

DEW Line Site Monitoring, Baffin Region, DND (2015-19)

Mr. Plenderleith was the project director of Golder’s DEW Line Monitoring contract with DND from four years 2015 to 2019. He was responsible for overall program quality and liaison with the client and management of Inuit subcontractors. The project was multi-disciplinary, involving geotechnical and environmental components. Mr. Plenderleith has developed a very positive working relationship with the hamlet of Qikiqtarjuaq and the Inuit staff from that community, many of whom have returned to work with Golder every year. All Inuit Participation Targets were exceeded.

Tundra Mine Remediation Monitoring PSPC/INAC (2016-2018)

Don was the Senior project director for Golder’s Remediation Monitoring of Tundra Mine (NWT) for PSPC and INAC. This project is multi-disciplinary involving surface water and groundwater environmental monitoring and aquatic monitoring for the final stages of the remediation of Tundra Mine. Don has reviewed the monthly and annual monitoring reports produced for the Water Licence. His earlier experience with the RAP for Tundra has been valuable on this project.

**Remedial Options Review
and Remedial Action
Planning Former Water
Tanker Base, Inuvik
Airport, NWT 2010-12**

From 2010 to 2012, Mr. Plenderleith was the technical director for the Phase III ESA detailed site assessment and remediation planning of the former Water Tanker Base at the Inuvik Airport in NWT. The work included determining the contaminants of concern, delineation of contaminated soil and seasonal groundwater areas, and assessing remedial options. The remedial action plan reviewed chemical oxidation and removal & disposal options within the constraints of northern work season, and the distance to a disposal facility. Descriptions, costs, advantages and limitations were provided for several options. GNWT performed the remediation with own forces.